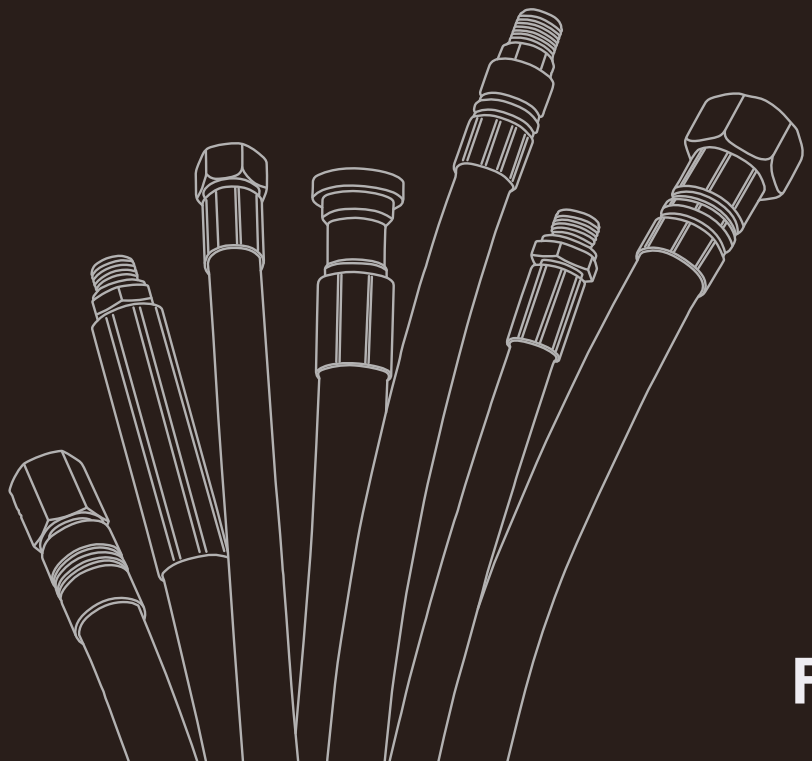
ALFAGOMMA GROUP



HYDRAULIC HOSE FITTINGS & ADAPTERS

ALFAGOMMA

ALFAGOMMA

Since 1956 ALFAGOMMA has been manufacturing and delivering top quality products all over the world.

ALFAGOMMA believe in the importance of offering
an excellent service to all its customers along with
a continuous new product research and development,
a technical innovation and customized solutions,
a constant high quality exceeding ISO 9001 quality standards
and full compliance with ISO 14001 environmental norms,
a global presence and logistic support
a strong OEM expertise and customized solutions.

ALFAGOMMA GROUP

22

MANUFACTURING PLANTS

IN 10 COUNTRIES
ITALY – FINLAND
FRANCE – GERMANY
SWEDEN – UK
USA – BRAZIL
CHINA – MALAYSIA

86

SUBSIDIARIES AND ASSEMBLY PLANTS

IN 22 COUNTRIES
AND
5 CONTINENTS

ISO

QUALITY CERTIFICATION

ISO 9001
SINCE 1993

ISO 14001
SINCE 1999

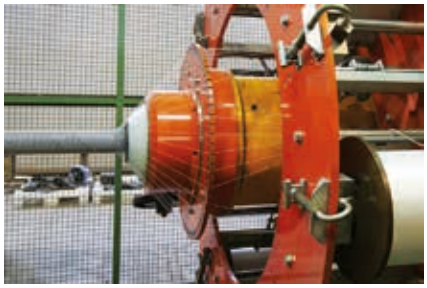
3830

EMPLOYEES

AROUND THE WORLD

ALFAGOMMA // DUNLOPHIFLEX // HIFLEX // ARGUS

// MAIN PLANTS OVERVIEW



// CORE BUSINESS

ALFAGOMMA strategy is to be a single source integrated system supplier supporting its partners with a complete product range:

HYDRAULIC DIVISION

- Hydraulic Rubber & Thermoplastic Hose
- Fittings & Adapters
- Quick Release Couplings and Multi-K
- Swivel & Plug-In Connectors
- Hydraulic Hose Assemblies
- Manipulated Tubes

INDUSTRIAL DIVISION

- Industrial Rubber, Thermoplastic & Composite Hose
- Industrial Stainless Steel Corrugated Hose
- Industrial Fittings
- Industrial Hose Assemblies

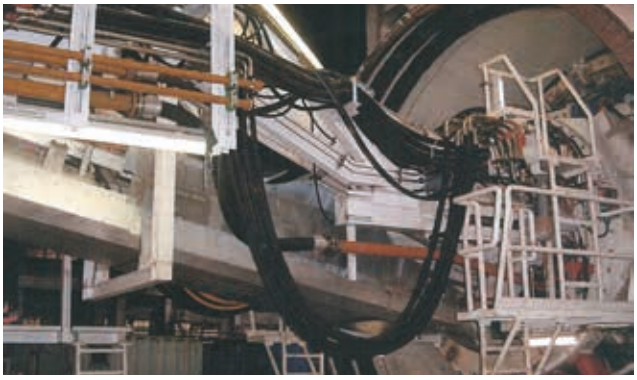
OIL & GAS

- Rotary and Vibrator
- Oil Well Cementing
- Blow Out Preventer
- Rig Supply
- Fire Water Deluge System
- Fuel Oil & Fracking
- Dock Operations
- Seismic

// GLOBAL PRESENCE AND LOGISTIC SUPPORT

The ALFAGOMMA Group currently employs over 3600 people worldwide in 22 Production Plants and 87 Regional Distribution – Assembly Centers strategically located in:

// APPLICATIONS OVERVIEW



ALFAGOMMA

COMPLETE AND INTEGRATED HYDRAULIC SYSTEM

ALFAGOMMA COMPLETE SYSTEM

- SAFE AND RELIABLE INTEGRATED SYSTEM
- FULL RANGE OF HOSES, FITTINGS, ADAPTORS AND QUICK RELEASE COUPLINGS
- CARBON STEEL AND STAINLESS STEEL RIGID PIPES
- CUSTOMISED SYSTEMS AND KITS
- WIDE RANGE OF ARTICLES IN STOCK
- TOP COAT SURFACE TREATMENT ON ALL OUR METAL PARTS
- 100% TRACEABILITY FOR EVERY SINGLE COMPONENT

ALFAGOMMA

MINETUFF HIGH ABRASION RESISTANCE

MINETUFF COVER

- EXCELLENT ABRASION RESISTANCE (10 TIMES HIGHER THAN EN-ISO 6945 REQUIREMENT)
- HIGH OZONE RESISTANCE (10 TIMES MORE THAN THE STANDARD)
- MSHA APPROVED COVER
- ALTERNATIVE TO PROTECTIVE SLEEVE IN APPLICATIONS REQUIRING ABRASION RESISTANCE

// HYDRAULIC HOSE

// HYDRAULIC HOSE 8
// FERRULE SELECTION CHART 39

// HYDRAULIC FITTING

// STANDARD 45
// MULTISPIRAL 98
// INTERLOCK 114

// ALFACRIMP

// C12A 132
// C124 159
// C126 181

// HYDRAULIC ADAPTER

// JIC 37° ADAPTERS 191
// ORFS ADAPTERS 232
// BSP ADAPTERS 260
// DIN 24° ADAPTERS 275

// SYMBOLS

INTERNAL DIAMETER

OUTSIDE DIAMETER

MAXIMUM WORKING PRESSURE

MINIMUM BURST PRESSURE

MINIMUM BEND RADIUS

WALL THICKNESS

WEIGHT

// HYDRAULIC HOSE

// THERMOPLASTIC 9
// TEXTILE BRAID 13
// WIRE BRAID 15
// WIRE SPIRAL 22
// ALFABIOTECH 25
// SUPERTUFF 28
// HIGH TEMPERATURE 30
// LOW TEMPERATURE 32
// OIL RETURN LINES 34
// PRESSURE WASH 36
// PTFE HOSE 37

Dimensions shown may be changed without prior notice

// THERMOPLASTIC

// MINIMESS

PRESSURE TEST POINT

Tube: polyester.
Reinforcement: one high tensile steel braid.
Cover: abrasion, ozone and hydrocarbon resistant polyurethane, pin-pricked.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for pressure gauges and transducers connections.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000310	01	2,0	5/64"	5,00	0,20	63,0	9100	190,0	27300	20,0	0,79	0,020	0,02

// FLEXOR 7

SAE 100 R7 - EN 855 R7

Tube: polyester.
Reinforcement: one/two high tensile textile braids.
Cover: abrasion, ozone and hydrocarbon resistant polyurethane, pin-pricked.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000290	03	5,0	3/16"	9,60	0,38	21,0	3000	84,0	12000	25,0	0,98	0,060	0,05
1000291	04	6,0	1/4"	12,20	0,48	21,0	3000	84,0	12000	35,0	1,38	0,100	0,07
1000292	05	8,0	5/16"	14,30	0,56	19,0	2750	76,0	11000	45,0	1,77	0,130	0,09
1000293	06	10,0	3/8"	16,00	0,63	16,0	2320	64,0	9280	55,0	2,17	0,145	0,10
1000294	08	13,0	1/2"	20,30	0,80	14,0	2000	56,0	8000	75,0	2,95	0,220	0,15

Dimensions shown may be changed without prior notice

// FLEXOR 7 - TWIN

SAE 100 R7 - EN 855 R7

Tube: polyester.
Reinforcement: one/two high tensile textile braids.
Cover: abrasion, ozone and hydrocarbon resistant polyurethane, pin-pricked.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000298	04	6,0	1/4"	12,20	0,48	21,0	3000	84,0	12000	35,0	1,38	0,200	0,14
1000299	05	8,0	5/16"	14,30	0,56	19,0	2750	76,0	11000	45,0	1,77	0,260	0,18
1000300	06	10,0	3/8"	16,00	0,63	16,0	2320	64,0	9280	55,0	2,17	0,290	0,20
1000301	08	13,0	1/2"	20,30	0,80	14,0	2000	56,0	8000	75,0	2,95	0,440	0,30

// FLEXOR 8

SAE 100 R8 - EN 855 R8

Tube: polyester.
Reinforcement: one/two braids of aramid fiber.
Cover: abrasion, ozone and hydrocarbon resistant polyurethane, pin-pricked.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000295	04	6,0	1/4"	11,50	0,45	35,0	5000	140,0	20000	50,0	1,97	0,085	0,06
1000483	05	8,0	5/16"	13,40	0,53	30,0	4300	120,0	17450	55,0	2,17	0,105	0,08
1000296	06	10,0	3/8"	15,50	0,61	28,0	4000	112,0	16000	60,0	2,36	0,135	0,10
1000416	08	13,0	1/2"	19,90	0,78	24,5	3500	98,0	14000	80,0	3,15	0,200	0,14

Dimensions shown may be changed without prior notice

// FLEXOR TWB1

ONE WIRE BRAID

Tube: polyester.
Reinforcement: one high tensile steel braid.
Cover: abrasion, ozone and hydrocarbon resistant polyurethane, non pin-pricked.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000283	04	6,0	1/4"	11,70	0,46	31,0	4500	124,0	18000	40,0	1,57	0,165	0,12
1000284	05	8,0	5/16"	13,20	0,52	25,0	3630	100,0	14500	55,0	2,17	0,190	0,13
1000285	06	10,0	3/8"	15,50	0,61	22,5	3250	90,0	13000	65,0	2,56	0,230	0,16
1000286	08	13,0	1/2"	18,80	0,74	19,0	2750	76,0	11000	85,0	3,35	0,300	0,21

// FLEXOR TWB1 - TWIN

ONE WIRE BRAID

Tube: polyester.
Reinforcement: one high tensile steel braid.
Cover: abrasion, ozone and hydrocarbon resistant polyurethane, non pin-pricked.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000289	04	6,0	1/4"	11,70	0,46	31,0	4500	124,0	18000	40,0	1,57	0,330	0,23
1000288	05	8,0	5/16"	13,20	0,52	25,0	3630	100,0	14500	55,0	2,17	0,380	0,26
1000287	06	10,0	3/8"	15,50	0,61	22,5	3250	90,0	13000	65,0	2,56	0,460	0,31

Dimensions shown may be changed without prior notice

// FLEXOR VHP700 RED

Tube: polyester.
Reinforcement: one/two braids of aramid fiber plus one steel wire braid.
Cover: red abrasion, ozone and hydrocarbon resistant polyurethane, non pin-pricked.
Application: high pressure systems and pumps; rescue, safety, jacking and rerailing equipments; bolt tensioning tools.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Safety factor: 4:1
Length: random

Item Code	Constr.													
		Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1003461	1TB+1WB	04	6,0	1/4"	12,70	0,50	70,0	10000	280,0	40600	35,0	1,38	0,180	0,13

Dimensions shown may be changed without prior notice

// TEXTILE BRAID

// ARGUS 1TE/R6 HF

SAE 100 R6 - EN 854 R6 (up to 3/4") - EXCEEDS EN 854 1TE

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile textile braid.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: low pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
HALOGEN-FREE COMPOUND
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001385	04	6,0	1/4"	12,70	0,50	2,8	400	11,2	1620	64,0	2,52	0,110	0,08
1001386	05	8,0	5/16"	14,30	0,56	2,8	400	11,2	1620	76,0	2,99	0,130	0,09
1001387	06	10,0	3/8"	15,90	0,63	2,8	400	11,2	1620	76,0	2,99	0,160	0,11
1001388	08	13,0	1/2"	19,80	0,78	2,8	400	11,2	1620	102,0	4,02	0,220	0,15
1001389	10	16,0	5/8"	23,00	0,91	2,4	350	9,6	1400	107,0	4,21	0,270	0,19
1001390	12	19,0	3/4"	26,90	1,06	2,1	300	8,4	1200	152,0	5,98	0,330	0,23
1001391	16	25,0	1"	33,50	1,32	1,7	250	7,0	1000	203,0	7,99	0,500	0,34

// ARGUS 2TE HF

EN 854 2TE

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile textile braid.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: medium pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
HALOGEN-FREE COMPOUND
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001398	04	6,0	1/4"	13,10	0,52	7,5	1100	30,0	4300	40,0	1,57	0,112	0,08
1001399	05	8,0	5/16"	14,90	0,59	6,8	986	27,0	3945	50,0	1,97	0,148	0,10
1001400	06	10,0	3/8"	16,50	0,65	6,3	920	25,2	3680	60,0	2,36	0,163	0,11
1001401	08	13,0	1/2"	19,70	0,78	5,8	840	23,2	3360	70,0	2,76	0,206	0,14
1001402	10	16,0	5/8"	23,90	0,94	5,0	730	20,0	2900	90,0	3,54	0,281	0,19
1001761	12	19,0	3/4"	27,00	1,06	4,5	650	18,0	2610	110,0	4,33	0,350	0,24
1001404	16	25,0	1"	34,40	1,35	4,0	600	16,0	2320	150,0	5,91	0,497	0,34

Dimensions shown may be changed without prior notice

// ARGUS 3TE/R3 HF

EN 854 3TE

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile textile braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: medium pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
HALOGEN-FREE COMPOUND
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001405	04	6,0	1/4"	14,40	0,57	14,5	2100	58,0	8400	45,0	1,77	0,174	0,12
1001406	05	8,0	5/16"	16,90	0,67	13,0	1900	52,0	7560	55,0	2,17	0,223	0,15
1001407	06	10,0	3/8"	18,50	0,73	11,0	1600	44,0	6400	70,0	2,76	0,243	0,17
1001408	08	13,0	1/2"	21,70	0,85	9,3	1350	37,2	5400	85,0	3,35	0,294	0,20
1001409	10	16,0	5/8"	25,90	1,02	8,0	1200	32,0	4640	105,0	4,13	0,399	0,27
1001410	12	19,0	3/4"	29,00	1,14	7,0	1000	28,0	4000	130,0	5,12	0,455	0,31
1001411	16	25,0	1"	35,90	1,41	5,5	800	22,0	3200	150,0	5,91	0,612	0,42
1001412	20	32,0	1 1/4"	42,30	1,67	4,5	650	18,0	2610	190,0	7,48	0,737	0,50
1001531	24	38,0	1 1/2"	49,30	1,94	4,0	600	16,0	2320	240,0	9,45	1,150	0,78
1001532	32	51,0	2"	63,00	2,48	3,3	470	13,2	1900	300,0	11,81	1,500	1,01

// 2TE RAILWAY

EN 854 2TE - EN 45545-2

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile textile braid.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: medium pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for railway applications.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1002680	04	6,0	1/4"	13,10	0,52	7,5	1100	30,0	4300	40,0	1,57	0,112	0,08
1002681	05	8,0	5/16"	14,90	0,59	6,8	986	27,0	3945	50,0	1,97	0,148	0,10
1002682	06	10,0	3/8"	16,50	0,65	6,3	920	25,2	3680	60,0	2,36	0,163	0,11
1002683	08	13,0	1/2"	19,70	0,78	5,8	840	23,2	3360	70,0	2,76	0,206	0,14
1002684	10	16,0	5/8"	23,90	0,94	5,0	730	20,0	2900	90,0	3,54	0,281	0,19
1002685	12	19,0	3/4"	27,00	1,06	4,5	650	18,0	2610	110,0	4,33	0,350	0,24
1002686	16	25,0	1"	34,40	1,35	4,0	600	16,0	2320	150,0	5,91	0,497	0,34

Dimensions shown may be changed without prior notice

// WIRE BRAID

// FLEXOPAK PLT

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile steel braid.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: medium pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for hydraulic pilot lines.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000274	03	5,0	3/16"	9,60	0,38	12,0	1750	48,0	7000	20,0	0,79	0,111	0,08
1000097	04	6,0	1/4"	11,40	0,45	12,0	1750	48,0	7000	30,0	1,18	0,150	0,11
1000475	05	8,0	5/16"	13,00	0,51	12,0	1750	48,0	7000	40,0	1,57	0,180	0,13
1000476	06	10,0	3/8"	14,70	0,58	12,0	1750	48,0	7000	60,0	2,36	0,220	0,15
1000347	08	13,0	1/2"	17,80	0,70	12,0	1750	48,0	7000	80,0	3,15	0,230	0,16

// FLEXOPAK 1SC

ISO 11237 - EN 857 1SC

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile steel braid.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000305	08	13,0	1/2"	19,50	0,77	16,0	2320	64,0	9280	90,0	3,54	0,410	0,28
1000280	10	16,0	5/8"	23,00	0,91	13,0	1900	52,0	7560	100,0	3,94	0,440	0,30
1000251	12	19,0	3/4"	26,70	1,05	10,5	1530	42,0	6000	125,0	4,92	0,570	0,39
1000252	16	25,0	1"	34,90	1,37	8,8	1280	35,2	5100	150,0	5,91	0,740	0,50

// AT3K - MINETUFF

ISO 11237 - SAE 100 R17 - EN 857 1SC

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile steel braid.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random
Notes: specification reference: SAE 100 R17 - ISO 11237 - EN 857 1SC (1/4, 5/16, 3/8)

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000167	04	6,0	1/4"	12,00	0,47	22,5	3250	90,0	13000	50,0	1,97	0,167	0,12
1000178	05	8,0	5/16"	13,30	0,52	21,5	3120	86,0	12500	55,0	2,17	0,190	0,13
1000106	06	10,0	3/8"	15,40	0,61	21,0	3000	84,0	12000	65,0	2,56	0,272	0,19
1000105	08	13,0	1/2"	19,20	0,76	21,0	3000	84,0	12000	90,0	3,54	0,360	0,25

// FLEXOR 1SN/R1AT HF

ISO 1436-1 - SAE 100 R1AT - EN 853 1SN

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile steel braid.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
HALOGEN-FREE COMPOUND
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random up to 1" - 61 m max over 1"1/4

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001331	04	6,0	1/4"	12,70	0,50	22,5	3250	90,0	13000	100,0	3,94	0,198	0,14
1001332	05	8,0	5/16"	14,20	0,56	21,5	3120	86,0	12500	115,0	4,53	0,240	0,17
1001333	06	10,0	3/8"	16,50	0,65	18,0	2610	72,0	10500	130,0	5,12	0,313	0,22
1001334	08	13,0	1/2"	19,90	0,78	16,0	2320	64,0	9280	180,0	7,09	0,372	0,26
1001335	10	16,0	5/8"	23,00	0,91	13,0	1900	52,0	7560	200,0	7,87	0,420	0,29
1001336	12	19,0	3/4"	27,00	1,06	10,5	1530	42,0	6000	240,0	9,45	0,560	0,38
1001337	16	25,0	1"	35,00	1,38	8,8	1280	35,2	5100	300,0	11,81	0,876	0,59
1001338	20	32,0	1 1/4"	42,50	1,67	6,3	920	25,2	3680	420,0	16,54	1,095	0,74
1001339	24	38,0	1 1/2"	49,70	1,96	5,0	730	20,0	2900	500,0	19,69	1,329	0,90
1001340	32	51,0	2"	62,90	2,48	4,0	600	16,0	2320	630,0	24,80	1,835	1,24

Dimensions shown may be changed without prior notice

// FLEXOR 1SN/R1AT - MINETUFF

ISO 1436-1 - SAE 100 R1AT - EN 853 1SN

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile steel braid.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random up to 1" - 61 m max over 1"1/4

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1002311	04	6,0	1/4"	12,70	0,50	22,5	3250	90,0	13000	100,0	3,94	0,192	0,13
1002312	05	8,0	5/16"	14,20	0,56	21,5	3120	86,0	12500	115,0	4,53	0,228	0,16
1002313	06	10,0	3/8"	16,50	0,65	18,0	2610	72,0	10500	130,0	5,12	0,287	0,20
1002314	08	13,0	1/2"	19,90	0,78	16,0	2320	64,0	9280	180,0	7,09	0,372	0,26
1002315	10	16,0	5/8"	23,00	0,91	13,0	1900	52,0	7560	200,0	7,87	0,420	0,29
1002316	12	19,0	3/4"	27,00	1,06	10,5	1530	42,0	6000	240,0	9,45	0,543	0,37
1002317	16	25,0	1"	35,00	1,38	8,8	1280	35,2	5100	300,0	11,81	0,864	0,59
1002497	20	32,0	1 1/4"	42,10	1,66	6,3	920	25,2	3680	420,0	16,54	1,042	0,71
1002319	24	38,0	1 1/2"	49,20	1,94	5,0	730	20,0	2900	500,0	19,69	1,330	0,90
1002321	32	51,0	2"	62,40	2,46	4,0	600	16,0	2320	630,0	24,80	1,835	1,24

// FLEXOR 5

SAE 100 R5 - J1402 DOT AII FM VSS 106

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile steel braid.
Cover: braided high tensile textile cord.
Application: medium pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000054	04	5,0	3/16"	13,20	0,52	20,7	3000	82,8	12000	76,0	2,99	0,230	0,16
1000055	05	6,3	1/4"	14,80	0,58	20,7	3000	82,8	12000	86,0	3,39	0,270	0,19
1000056	06	8,0	5/16"	17,30	0,68	15,5	2250	62,0	9000	102,0	4,02	0,350	0,24
1000049	07	10,3	13/32"	19,50	0,77	13,8	2000	55,2	8000	117,0	4,61	0,404	0,28
1000050	10	12,5	1/2"	23,40	0,92	12,1	1750	48,4	7000	140,0	5,51	0,560	0,38
1000051	12	16,0	5/8"	27,40	1,08	10,3	1500	41,4	6000	165,0	6,50	0,670	0,46
1000052	16	22,0	7/8"	31,40	1,24	5,5	800	22,0	3200	187,0	7,36	0,690	0,47
1000053	20	29,0	1 1/8"	38,10	1,50	4,3	625	17,2	2500	229,0	9,02	0,850	0,58
1000326	24	35,0	1 3/8"	44,50	1,75	3,4	525	13,8	2000	267,0	10,51	1,060	0,72
1000203	32	46,0	1 13/16"	56,40	2,22	2,4	350	9,6	1400	337,0	13,27	1,350	0,91

Dimensions shown may be changed without prior notice

// FLEXOPAK 2SC HF

ISO 11237 - EN 857 2SC

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
HALOGEN-FREE COMPOUND
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000365	04	6,0	1/4"	13,00	0,51	40,0	5850	160,0	23200	75,0	2,95	0,255	0,18
1000366	05	8,0	5/16"	14,70	0,58	35,0	5000	140,0	20000	85,0	3,35	0,300	0,21
1000367	06	10,0	3/8"	16,50	0,65	33,0	4800	132,0	19200	90,0	3,54	0,370	0,25
1000368	08	13,0	1/2"	19,90	0,78	27,5	4000	110,0	16000	130,0	5,12	0,470	0,32
1000369	10	16,0	5/8"	23,40	0,92	25,0	3630	100,0	14500	170,0	6,69	0,591	0,40
1000370	12	19,0	3/4"	27,60	1,09	21,5	3120	86,0	12500	200,0	7,87	0,789	0,54
1000371	16	25,0	1"	34,90	1,37	16,5	2400	66,0	9600	250,0	9,84	1,155	0,78

// FLEXOPAK 2 - MINETUFF

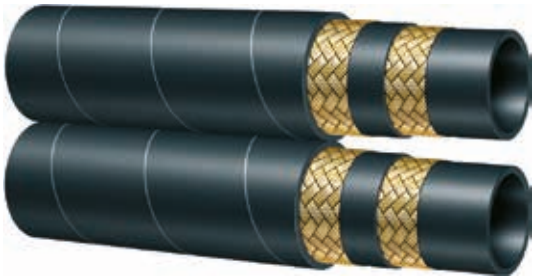
ISO 11237 - SAE 100 R16 - EN 857 2SC (up to 1")

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random up to 1" - 61 m max over 1"1/4

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000146	04	6,0	1/4"	13,00	0,51	42,0	6000	168,0	24000	51,0	2,01	0,259	0,18
1000174	05	8,0	5/16"	14,50	0,57	37,5	5500	150,0	22000	57,0	2,24	0,313	0,22
1000147	06	10,0	3/8"	16,80	0,66	35,0	5000	140,0	20000	64,0	2,52	0,373	0,26
1000171	08	13,0	1/2"	20,60	0,81	31,0	4500	124,0	18000	90,0	3,54	0,502	0,34
1000104	10	16,0	5/8"	23,20	0,91	28,0	4000	112,0	16000	101,0	3,98	0,598	0,41
1000172	12	19,0	3/4"	27,60	1,09	24,0	3500	96,0	14000	121,0	4,76	0,781	0,53
1000173	16	25,0	1"	35,50	1,40	21,0	3000	84,0	12000	152,0	5,98	1,266	0,86
1001533	20	32,0	1 1/4"	42,00	1,65	14,0	2000	58,0	8400	210,0	8,27	1,367	0,92
1001728	24	38,0	1 1/2"	49,90	1,96	12,5	1820	50,0	7280	430,0	16,93	1,970	1,33
1001729	32	51,0	2"	63,50	2,50	10,0	1500	40,0	5850	550,0	21,65	2,550	1,72
1001945	40	63,0	2 1/2"	76,40	3,01	7,5	1100	30,0	4300	720,0	28,35	3,300	2,22
1001994	48	76,0	3"	90,00	3,54	7,0	1000	28,0	4000	880,0	34,65	3,850	2,59

Dimensions shown may be changed without prior notice

// FLEXOPAK 2 TWIN - MINETUFF



ISO 11237 - SAE 100 R16 - EN 857 2SC

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Safety factor: 4:1
Length: random up to 1" - 61 m max over 1"1/4

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1003610	06	10,0	3/8"	16,80	0,66	35,0	5000	140,0	20000	64,0	2,52	0,780	0,53
1003767	08	13,0	1/2"	20,60	0,81	31,0	4500	124,0	18000	90,0	3,54	1,056	0,71

// FLEXOR 2SN/R2AT (HF)

ISO 1436-1 - SAE 100 R2AT - EN 853 2SN

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
HALOGEN-FREE COMPOUND
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random up to 1" - 61 m max over 1"1/4

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001341	03	5,0	3/16"	13,00	0,51	42,0	6000	168,0	24000	90,0	3,54	0,282	0,19
1001342	04	6,0	1/4"	14,20	0,56	40,0	5850	160,0	23200	100,0	3,94	0,330	0,23
1001343	05	8,0	5/16"	15,80	0,62	35,0	5000	140,0	20000	115,0	4,53	0,357	0,24
1001344	06	10,0	3/8"	18,20	0,72	33,0	4800	132,0	19200	125,0	4,92	0,460	0,31
1001345	08	13,0	1/2"	21,30	0,84	27,5	4000	110,0	16000	175,0	6,89	0,534	0,36
1001346	10	16,0	5/8"	24,50	0,96	25,0	3630	100,0	14500	200,0	7,87	0,670	0,46
1001347	12	19,0	3/4"	28,60	1,13	21,5	3120	86,0	12500	240,0	9,45	0,846	0,57
1001348	16	25,0	1"	36,60	1,44	16,5	2400	66,0	9600	300,0	11,81	1,250	0,85
1001349	20	32,0	1 1/4"	46,00	1,81	12,5	1820	50,0	7280	420,0	16,54	1,840	1,24
1001350	24	38,0	1 1/2"	52,80	2,08	9,0	1310	36,0	5240	500,0	19,69	2,030	1,37
1001351	32	51,0	2"	65,60	2,58	8,0	1200	32,0	4640	630,0	24,80	2,760	1,86

Dimensions shown may be changed without prior notice

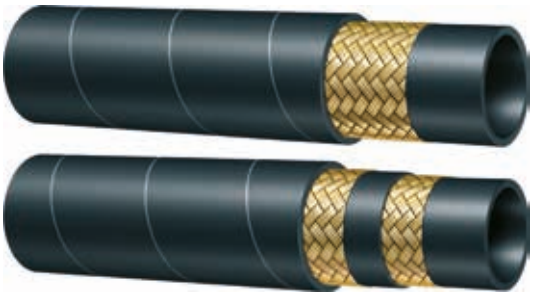
// FLEXOR 2SN/R2AT - MINETUFF

ISO 1436-1 - SAE 100 R2AT - EN 853 2SN

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random up to 1" - 61 m max over 1"1/4

Item Code	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1002467	04	6,0	1/4"	14,20	0,56	40,0	5850	160,0	23200	100,0	3,94	0,330	0,23
1002468	05	8,0	5/16"	15,80	0,62	35,0	5000	140,0	20000	115,0	4,53	0,353	0,24
1002469	06	10,0	3/8"	18,20	0,72	33,0	4800	132,0	19200	125,0	4,92	0,463	0,32
1002470	08	13,0	1/2"	21,30	0,84	27,5	4000	110,0	16000	175,0	6,89	0,530	0,36
1002471	10	16,0	5/8"	24,50	0,96	25,0	3630	100,0	14500	200,0	7,87	0,663	0,45
1002472	12	19,0	3/4"	28,60	1,13	21,5	3120	86,0	12500	240,0	9,45	0,852	0,58
1002473	16	25,0	1"	36,60	1,44	16,5	2400	66,0	9600	300,0	11,81	1,224	0,83
1002498	20	32,0	1 1/4"	46,00	1,81	12,5	1820	50,0	7280	420,0	16,54	1,769	1,19
1002474	24	38,0	1 1/2"	52,80	2,08	9,0	1310	36,0	5240	500,0	19,69	2,030	1,37
1002475	32	51,0	2"	65,60	2,58	8,0	1200	32,0	4640	630,0	24,80	2,760	1,86

// FLEXOR ELEVATOR



EN 81.2

Tube: oil resistant synthetic rubber.
Reinforcement: one/two high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: medium pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code	Constr.	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001782	1WB	12	19,0	3/4"	25,80	1,02	5,0	730	40,0	5850	240,0	9,45	0,490	0,33
1000941	1WB	16	25,0	1"	32,10	1,26	5,0	730	40,0	5850	300,0	11,81	0,650	0,44
1000943	1WB	20	32,0	1 1/4"	39,50	1,56	5,0	730	40,0	5850	420,0	16,54	1,000	0,68
1000972	2WB	24	38,0	1 1/2"	48,80	1,92	5,0	730	40,0	5850	500,0	19,69	1,530	1,03
1001781	2WB	32	51,0	2"	62,80	2,47	5,0	730	40,0	5850	630,0	24,80	2,220	1,50

Dimensions shown may be changed without prior notice

// ALFAFOREST

Tube: oil resistant synthetic rubber.
Reinforcement: three high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1003316	10	16,0	5/8"	28,30	1,11	41,4	6000	164,0	23500	210,0	8,27	1,112	0,75
1003317	12	19,0	3/4"	32,20	1,27	37,5	5500	150,0	22000	260,0	10,24	1,380	0,93
1003318	16	25,0	1"	40,40	1,59	33,0	4800	130,8	19000	310,0	12,20	1,938	1,31
1003804	20	32,0	1 1/4"	45,90	1,81	24,0	3500	96,0	14000	410,0	16,14	2,310	1,56

// 2SC RAILWAY

ISO 11237 - EN 857 2SC - EN 45545-2

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for railway applications.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1002687	04	6,0	1/4"	13,20	0,52	40,0	5850	160,0	23200	50,0	1,97	0,270	0,19
1002689	05	8,0	5/16"	14,50	0,57	35,0	5000	140,0	20000	55,0	2,17	0,310	0,21
1002690	06	10,0	3/8"	17,00	0,67	33,0	4800	132,0	19200	65,0	2,56	0,360	0,25
1002691	08	13,0	1/2"	20,30	0,80	27,5	4000	110,0	16000	90,0	3,54	0,470	0,32
1002692	10	16,0	5/8"	23,90	0,94	25,0	3630	100,0	14500	100,0	3,94	0,570	0,39
1002693	12	19,0	3/4"	27,70	1,09	21,5	3120	86,0	12500	120,0	4,72	0,760	0,52
1002694	16	25,0	1"	34,60	1,36	16,5	2400	66,0	9600	150,0	5,91	1,130	0,76

Dimensions shown may be changed without prior notice

// WIRE SPIRAL

// AT7K - MINETUFF

Tube: oil resistant synthetic rubber.
Reinforcement: four high tensile steel spirals.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +121 °C (-40 °F +250 °F)
Length: random up to 5/8" - 61 m max over 1"1/4

Item Code	Constr.													
		Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000275	4WS	10	16,0	5/8"	29,40	1,16	49,0	7000	196,0	28000	250,0	9,84	1,253	0,85
1001847	6WS	20	32,0	1 1/4"	50,40	1,98	52,5	7500	210,0	30000	420,0	16,54	4,110	2,77
1001848	6WS	24	38,0	1 1/2"	57,30	2,26	49,0	7000	196,0	28000	500,0	19,69	5,036	3,39

// AT8K - MINETUFF

Tube: oil resistant synthetic rubber.
Reinforcement: four high tensile steel spirals.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +121 °C (-40 °F +250 °F)
Length: random

Item Code														
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1003064	12	19,0	3/4"	31,80	1,25	56,0	8000	224,0	32000	270,0	10,63	1,710	1,15
1003066	16	25,0	1"	39,60	1,56	56,0	8000	224,0	32000	300,0	11,81	2,471	1,67

Dimensions shown may be changed without prior notice

// BOP - FIRESAFE 5000

API 16-D FLAME RESISTANCE

Tube: oil resistant synthetic rubber.
Reinforcement: four/six high tensile steel spirals.
Cover: oil and fire resistant red synthetic rubber.
MSHA APPROVED
LLOYD'S type approval on hose assemblies
Application: high pressure hydraulic lines in blow out preventer system, where continuous operation in case of fire is required.
Constant operation: -40 °C +121 °C (-40 °F +250 °F)
Length: random up to 1" - 61 m max over 1"1/4

Item Code	Constr.													
		Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001250	4WS	06	10,0	3/8"	28,10	1,11	35,0	5000	140,0	20000	180,0	7,09	1,134	0,77
1001244	4WS	08	13,0	1/2"	31,00	1,22	35,0	5000	140,0	20000	230,0	9,06	1,220	0,82
1001249	4WS	12	19,0	3/4"	38,80	1,53	35,0	5000	140,0	20000	300,0	11,81	1,914	1,29
1001243	4WS	16	25,0	1"	46,00	1,81	35,0	5000	140,0	20000	340,0	13,39	2,671	1,80
1001247	4WS	20	32,0	1 1/4"	53,10	2,09	35,0	5000	140,0	20000	460,0	18,11	3,340	2,25
1001246	6WS	24	38,0	1 1/2"	64,90	2,56	35,0	5000	140,0	20000	560,0	22,05	5,870	3,95
1001248	6WS	32	51,0	2"	78,70	3,10	35,0	5000	140,0	20000	700,0	27,56	7,780	5,23

ALFAGOMMA

alfabiotech

NEW EXTRA FLEXIBLE BIO OIL RESISTANT HOSE RANGE

alfabiotech

- SPECIALLY DESIGNED FOR BIO OIL FULL COMPATIBILITY
- EXTREME FLEXIBILITY: UP TO 50% BETTER BEND RADIUS COMPARED TO SAE 100R
- MINETUFF COVER FOR TOP ABRASION & OZONE RESISTANCE
- MSHA-APPROVED FIRE RESISTANT COVER

BEND RADIUS: REDUCED UP TO 50%

Dimensions shown may be changed without prior notice

// ALFABIOTECH

// ALFABIOTECH 2000 - MINETUFF

ISO 18752

Tube: oil resistant synthetic rubber and biodegradable hydraulic fluids.
Reinforcement: four high tensile steel spirals.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: developed to withstand very demanding conditions, very high performance in pressure, pulsing and flexing.
Constant operation: -40 °C +121 °C (-40 °F +250 °F)
Length: 61 m from 1 1/4" to 3"

Item Code	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1002575	40	63,0	2 1/2"	79,00	3,11	14,0	2000	56,0	8000	720,0	28,35	4,946	3,33
1002576	48	76,0	3"	92,50	3,64	14,0	2000	56,0	8000	840,0	33,07	5,558	3,74

// ALFABIOTECH 3000 - MINETUFF

ISO 18752 - EXCEEDS SAE 100 R12

Tube: oil resistant synthetic rubber and biodegradable hydraulic fluids.
Reinforcement: four/six high tensile steel spirals.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: developed to withstand very demanding conditions, very high performance in pressure, pulsing and flexing.
Constant operation: -40 °C +121 °C (-40 °F +250 °F)
Length: 61 m from 1 1/4" to 3"

Item Code	Constr.	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001690	4WS	20	32,0	1 1/4"	45,70	1,80	21,0	3000	84,0	12000	230,0	9,06	2,232	1,51
1002574	4WS	24	38,0	1 1/2"	51,80	2,04	21,0	3000	84,0	12000	420,0	16,54	2,741	1,85
1003035	4WS	32	51,0	2"	66,80	2,63	21,0	3000	84,0	12000	560,0	22,05	3,990	2,69
1003036	6WS	48	76,0	3"	95,60	3,76	21,0	3000	84,0	12000	900,0	35,43	7,950	5,35

Dimensions shown may be changed without prior notice

// ALFABIOTECH 4000 - MINETUFF

ISO 18752

Tube: oil resistant synthetic rubber and biodegradable hydraulic fluids.
Reinforcement: four high tensile steel spirals.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: developed to withstand very demanding conditions, very high performance in pressure, pulsing and flexing.
Constant operation: -40 °C +121 °C (-40 °F +250 °F)
Length: random up to 1” - 61 m max over 1"1/4

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001691	12	19,0	3/4"	29,50	1,16	28,0	4000	112,0	16000	120,0	4,72	1,019	0,69
1001692	16	25,0	1"	37,50	1,48	28,0	4000	112,0	16000	150,0	5,91	1,464	0,99
1002484	20	32,0	1 1/4"	45,70	1,80	28,0	4000	112,0	16000	260,0	10,24	2,231	1,50
1002502	24	38,0	1 1/2"	51,80	2,04	29,0	4200	116,0	16800	420,0	16,54	2,944	1,98
1002483	32	51,0	2"	66,80	2,63	28,0	4000	112,0	16000	530,0	20,87	4,454	3,00

// ALFABIOTECH 5000 - MINETUFF

ISO 18752

Tube: oil resistant synthetic rubber and biodegradable hydraulic fluids.
Reinforcement: four/six high tensile steel spirals.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: developed to withstand very demanding conditions, very high performance in pressure, pulsing and flexing.
Constant operation: -40 °C +121 °C (-40 °F +250 °F)
Length: random up to 1” - 61 m max over 1"1/4

Item Code	Constr.													
		Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001693	4WS	10	16,0	5/8"	26,30	1,04	35,0	5000	140,0	20000	140,0	5,51	0,931	0,63
1001694	4WS	12	19,0	3/4"	31,00	1,22	35,0	5000	140,0	20000	150,0	5,91	1,230	0,83
1001695	4WS	16	25,0	1"	37,60	1,48	35,0	5000	140,0	20000	180,0	7,09	1,680	1,13
1001696	4WS	20	32,0	1 1/4"	45,80	1,80	35,0	5000	140,0	20000	280,0	11,02	2,448	1,65
1001780	6WS	24	38,0	1 1/2"	54,80	2,16	35,0	5000	140,0	20000	255,0	10,04	3,759	2,53
1001779	6WS	32	51,0	2"	70,20	2,76	35,0	5000	140,0	20000	318,0	12,52	6,212	4,18
1003076	6WS	40	63,0	2 1/2"	82,80	3,26	35,0	5000	140,0	20000	820,0	32,28	7,570	5,09

Dimensions shown may be changed without prior notice

// ALFABIOTECH 5000 PLUS - MINETUFF

ISO 18752

Tube: oil resistant synthetic rubber and biodegradable hydraulic fluids.
Reinforcement: four high tensile steel spirals.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: developed to withstand very demanding conditions, very high performance in pressure, pulsing and flexing.
Constant operation: -40 °C +121 °C (-40 °F +250 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001712	12	19,0	3/4"	31,00	1,22	38,0	5500	152,0	22040	180,0	7,09	1,338	0,90
1001713	16	25,0	1"	38,30	1,51	38,0	5500	152,0	22040	210,0	8,27	1,918	1,29

// ALFABIOTECH 6000 - MINETUFF

ISO 18752 - EXCEEDS SAE 100 R15

Tube: oil resistant synthetic rubber and biodegradable hydraulic fluids.
Reinforcement: four/six high tensile steel spirals.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: developed to withstand very demanding conditions, very high performance in pressure, pulsing and flexing.
Constant operation: -40 °C +121 °C (-40 °F +250 °F)
Length: random up to 1" - 61 m max over 1"1/4

Item Code	Constr.													
		Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001697	4WS	04	6,0	1/4"	17,30	0,68	45,0	6550	180,0	26200	60,0	2,36	0,518	0,35
1001698	4WS	06	10,0	3/8"	20,10	0,79	44,5	6450	178,0	25800	75,0	2,95	0,615	0,42
1001699	4WS	08	13,0	1/2"	23,00	0,91	42,0	6000	168,0	24000	90,0	3,54	0,745	0,51
1001700	4WS	10	16,0	5/8"	28,20	1,11	42,0	6000	168,0	24000	180,0	7,09	1,198	0,81
1001701	4WS	12	19,0	3/4"	31,40	1,24	42,0	6000	168,0	24000	120,0	4,72	1,429	0,97
1001702	4WS	16	25,0	1"	38,20	1,50	42,0	6000	168,0	24000	150,0	5,91	1,991	1,34
1002487	4WS	20	32,0	1 1/4"	46,10	1,81	42,0	6000	168,0	24000	445,0	17,52	2,883	1,94
1002485	6WS	20	32,0	1 1/4"	49,30	1,94	42,0	6000	168,0	24000	445,0	17,52	3,435	2,31
1002486	6WS	24	38,0	1 1/2"	56,50	2,22	42,0	6000	168,0	24000	530,0	20,87	4,521	3,04
1003505	6WS	32	51,0	2"	71,00	2,80	42,0	6000	168,0	24000	650,0	25,59	6,438	4,33

Dimensions shown may be changed without prior notice

// SUPERTUFF

// AT3K - SUPERTUFF

ISO 11237 - SAE 100 R17 - EN 857 1SC

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile steel braid.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber. Special “supertuff” cover for excellent abrasion resistance and long service life in heavy duty applications.
MSHA APPROVED
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000195	04	6,0	1/4"	12,10	0,48	22,5	3250	90,0	13000	50,0	1,97	0,170	0,12
1000405	05	8,0	5/16"	14,00	0,55	21,5	3120	86,0	12500	55,0	2,17	0,180	0,13
1000209	06	10,0	3/8"	15,60	0,61	21,0	3000	84,0	12000	65,0	2,56	0,260	0,18
1000197	08	13,0	1/2"	19,50	0,77	21,0	3000	84,0	12000	90,0	3,54	0,410	0,28

// FLEXOPAK 2 - SUPERTUFF

ISO 11237 - SAE 100 R16 - EN 857 2SC

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber. Special “supertuff” cover for excellent abrasion resistance and long service life in heavy duty applications.
MSHA APPROVED
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000228	04	6,0	1/4"	13,00	0,51	42,0	6000	168,0	24000	51,0	2,01	0,275	0,19
1000213	05	8,0	5/16"	14,50	0,57	37,5	5500	150,0	22000	57,0	2,24	0,328	0,23
1000224	06	10,0	3/8"	16,80	0,66	35,0	5000	140,0	20000	64,0	2,52	0,393	0,27
1000225	08	13,0	1/2"	20,60	0,81	31,0	4500	124,0	18000	90,0	3,54	0,528	0,36
1000226	10	16,0	5/8"	23,20	0,91	28,0	4000	112,0	16000	101,0	3,98	0,622	0,42
1000227	12	19,0	3/4"	27,60	1,09	24,0	3500	96,0	14000	125,0	4,92	0,830	0,56
1000348	16	25,0	1"	35,50	1,40	21,0	3000	84,0	12000	150,0	5,91	1,300	0,88

Dimensions shown may be changed without prior notice

// ALFABIOTECH 5000 - SUPERTUFF

ISO 18752

Tube: oil resistant synthetic rubber and biodegradable hydraulic fluids.
Reinforcement: four/six high tensile steel spirals.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber. Special “supertuff” cover for excellent abrasion resistance and long service life in heavy duty applications.
MSHA APPROVED
Application: developed to withstand very demanding conditions, very high performance in pressure, pulsing and flexing.
Constant operation: -40 °C +121 °C (-40 °F +250 °F)
Length: random up to 1” - 61 m max over 1"1/4

Item Code	Constr.													
		Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1003045	4WS	10	16,0	5/8"	26,00	1,02	35,0	5000	140,0	20000	140,0	5,51	0,950	0,64
1003037	4WS	12	19,0	3/4"	31,60	1,24	35,0	5000	140,0	20000	150,0	5,91	1,304	0,88
1003038	4WS	16	25,0	1"	38,20	1,50	35,0	5000	140,0	20000	180,0	7,09	1,717	1,16
1003046	4WS	20	32,0	1 1/4"	44,40	1,75	35,0	5000	140,0	20000	280,0	11,02	2,594	1,75
1003047	6WS	24	38,0	1 1/2"	56,50	2,22	35,0	5000	140,0	20000	500,0	19,69	4,629	3,12
1003048	6WS	32	51,0	2"	70,20	2,76	35,0	5000	140,0	20000	550,0	21,65	6,347	4,27

// ALFABIOTECH 6000 - SUPERTUFF

ISO 18752 - EXCEEDS SAE 100 R15

Tube: oil resistant synthetic rubber and biodegradable hydraulic fluids.
Reinforcement: four/six high tensile steel spirals.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber. Special “supertuff” cover for excellent abrasion resistance and long service life in heavy duty applications.
MSHA APPROVED
Application: developed to withstand very demanding conditions, very high performance in pressure, pulsing and flexing.
Constant operation: -40 °C +121 °C (-40 °F +250 °F)
Length: random up to 1” - 61 m max over 1"1/4

Item Code	Constr.													
		Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1003295	4WS	04	6,0	1/4"	17,30	0,68	45,0	6550	180,0	26200	60,0	2,36	0,470	0,32
1003296	4WS	06	10,0	3/8"	20,10	0,79	44,5	6450	178,0	25800	75,0	2,95	0,674	0,46
1003233	4WS	08	13,0	1/2"	23,00	0,91	42,0	6000	168,0	24000	90,0	3,54	0,750	0,51
1002464	4WS	10	16,0	5/8"	28,20	1,11	42,0	6000	168,0	24000	180,0	7,09	1,198	0,81
1003297	4WS	12	19,0	3/4"	31,40	1,24	42,0	6000	168,0	24000	210,0	8,27	1,470	0,99
1002572	4WS	16	25,0	1"	38,20	1,50	42,0	6000	168,0	24000	250,0	9,84	2,030	1,37
1003298	6WS	20	32,0	1 1/4"	49,30	1,94	42,0	6000	168,0	24000	445,0	17,52	3,470	2,34
1003299	6WS	24	38,0	1 1/2"	56,50	2,22	42,0	6000	168,0	24000	530,0	20,87	4,629	3,12
1004485	6WS	32	51,0	2"	71,00	2,80	42,0	6000	168,0	24000	650,0	25,59	6,500	4,37

Dimensions shown may be changed without prior notice

// HIGH TEMPERATURE

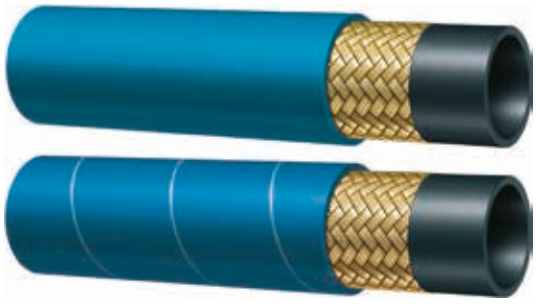
// R5 EVOLUTION HT 150

HIGH TEMPERATURE SAE 100 R5

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile steel braid.
Cover: braided high tensile textile blue cord.
Application: medium pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for high temperature applications.
Constant operation: -40 °C +150 °C (-40 °F +300 °F)
air max T = +85 °C (+185 °F) up to 5/8", +110 °C (+230 °F) over 3/4"
Safety factor: 1:4
Length: random up to 5/8" - 61 m max over 3/4"

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1004577	04	5,0	3/16"	13,50	0,53	21,0	3000	84,0	12000	75,0	2,95	0,355	0,24
1004578	05	6,3	1/4"	15,10	0,59	21,0	3000	84,0	12000	85,0	3,35	0,382	0,26
1004579	06	8,0	5/16"	17,30	0,68	15,7	2270	62,8	9080	100,0	3,94	0,501	0,34
1004580	07	10,3	13/32"	19,70	0,78	14,0	2000	56,0	8000	115,0	4,53	0,586	0,40
1004581	10	12,5	1/2"	23,50	0,93	12,2	1760	48,8	7000	140,0	5,51	0,752	0,51
1004582	12	16,0	5/8"	27,40	1,08	10,5	1530	42,0	6000	165,0	6,50	0,871	0,59
1004583	16	22,0	7/8"	31,40	1,24	5,6	800	22,4	3250	185,0	7,28	0,706	0,48
1004585	20	29,0	1 1/8"	37,60	1,48	4,3	625	17,2	2500	229,0	9,02	0,924	0,63
1004586	24	35,0	1 3/8"	44,00	1,73	3,5	525	14,0	2000	265,0	10,43	1,055	0,71
1004587	32	46,0	1 13/16"	56,40	2,22	2,4	350	9,6	1400	335,0	13,19	1,431	0,97

// 1SN EVOLUTION HT 150



HIGH TEMPERATURE SAE 100R1AT - EN 853 1SN - ISO 1436-1

Tube: oil resistant synthetic rubber.
Reinforcement: one high tensile steel braid.
Cover: smooth up to 5/8" - wrapped textile impression over 3/4". Abrasion, ozone and hydrocarbon resistant blue synthetic rubber.
MSHA APPROVED
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for high temperature applications. Not recommended for steam service.
Constant operation: -40 °C +150 °C (-40 °F +300 °F)
air max T = +85 °C (+185 °F) up to 5/8", +110 °C (+230 °F) over 3/4"
Safety factor: 4:1
Length: random up to 5/8" - 61 m max over 3/4"

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1004518	04	6,0	1/4"	12,70	0,50	22,5	3250	90,0	13000	100,0	3,94	0,206	0,14
1004519	06	10,0	3/8"	16,50	0,65	18,0	2610	72,0	10500	130,0	5,12	0,307	0,21
1004520	08	13,0	1/2"	19,90	0,78	16,0	2320	64,0	9280	180,0	7,09	0,379	0,26
1004521	10	16,0	5/8"	22,70	0,89	13,0	1900	52,0	7560	200,0	7,87	0,436	0,30
1004522	12	19,0	3/4"	27,00	1,06	10,5	1530	42,0	6000	240,0	9,45	0,565	0,38
1004523	16	25,0	1"	35,80	1,41	8,8	1280	35,2	5100	300,0	11,81	0,976	0,66
1004530	20	32,0	1 1/4"	42,10	1,66	6,3	920	25,2	3680	420,0	16,54	1,121	0,76
1004531	24	38,0	1 1/2"	49,20	1,94	5,0	730	20,0	2900	500,0	19,69	1,443	0,97
1004532	32	51,0	2"	62,40	2,46	4,0	600	16,0	2320	630,0	24,80	1,911	1,29

Dimensions shown may be changed without prior notice

// 2SN EVOLUTION HT 150

HIGH TEMPERATURE SAE 100R2AT - EN 853 2SN - ISO 1436-1

Tube: oil resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: smooth up to 5/8" - wrapped textile impression over 3/4". Abrasion, ozone and hydrocarbon resistant blue synthetic rubber.
MSHA APPROVED
Application: high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for high temperature applications. Not recommended for steam service.
Constant operation: -40 °C +150 °C (-40 °F +300 °F)
air max T = +85 °C (+185 °F) up to 5/8", +110 °C (+230 °F) over 3/4"
Safety factor: 4:1
Length: random up to 5/8" - 61 m max over 3/4"

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1004524	04	6,0	1/4"	14,20	0,56	40,0	5850	160,0	23200	100,0	3,94	0,339	0,23
1004525	06	10,0	3/8"	18,40	0,72	33,0	4800	132,0	19200	125,0	4,92	0,480	0,33
1004526	08	13,0	1/2"	21,10	0,83	27,5	4000	110,0	16000	175,0	6,89	0,549	0,37
1004527	10	16,0	5/8"	24,50	0,96	25,0	3630	100,0	14500	200,0	7,87	0,689	0,47
1004528	12	19,0	3/4"	29,00	1,14	21,5	3120	86,0	12500	240,0	9,45	0,881	0,60
1004529	16	25,0	1"	37,40	1,47	16,5	2400	66,0	9600	300,0	11,81	1,364	0,92
1004533	20	32,0	1 1/4"	46,40	1,83	12,5	1820	50,0	7280	420,0	16,54	1,894	1,28
1004534	24	38,0	1 1/2"	52,80	2,08	9,0	1310	36,0	5240	500,0	19,69	2,129	1,44
1004535	32	51,0	2"	65,60	2,58	8,0	1200	32,0	4640	630,0	24,80	2,815	1,90

Dimensions shown may be changed without prior notice

// LOW TEMPERATURE

// FLEXOPAK 2 LT

Tube: oil resistant ultra low temperature synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: oil, water, ozone and ultra low temperature resistant synthetic rubber.
Application: hydraulic system with petroleum or water/glycol based fluids, fuel, lubricating oils. Specially designed for ultra low temperature applications.
Constant operation: -55 °C +100 °C (-67 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1003221	04	6,0	1/4"	13,00	0,51	42,0	6000	168,0	24000	51,0	2,01	0,280	0,19
1003283	05	8,0	5/16"	14,50	0,57	37,5	5500	150,0	22000	57,0	2,24	0,310	0,21
1003222	06	10,0	3/8"	16,80	0,66	35,0	5000	140,0	20000	64,0	2,52	0,390	0,27
1003226	08	13,0	1/2"	20,60	0,81	31,0	4500	124,0	18000	90,0	3,54	0,520	0,35
1003223	10	16,0	5/8"	23,40	0,92	28,0	4000	112,0	16000	101,0	3,98	0,600	0,41
1003224	12	19,0	3/4"	27,60	1,09	24,0	3500	96,0	14000	121,0	4,76	0,810	0,55
1003225	16	25,0	1"	35,50	1,40	21,0	3000	84,0	12000	152,0	5,98	1,220	0,82
1003304	20	32,0	1 1/4"	43,30	1,70	14,0	2000	58,0	8400	360,0	14,17	1,390	0,94

// ALFAFOREST LT

Tube: oil resistant ultra low temperature synthetic rubber.
Reinforcement: three high tensile steel braids.
Cover: oil, water, ozone and ultra low temperature resistant synthetic rubber.
Application: hydraulic system with petroleum or water/glycol based fluids, fuel, lubricating oils. Specially designed for ultra low temperature applications.
Constant operation: -55 °C +100 °C (-67 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1003305	06	10,0	3/8"	21,70	0,85	50,0	7280	196,0	28000	120,0	4,72	0,771	0,52
1003292	08	13,0	1/2"	24,80	0,98	46,9	6800	188,0	27200	160,0	6,30	0,909	0,62
1003293	10	16,0	5/8"	28,30	1,11	41,0	6000	164,0	23500	210,0	8,27	1,146	0,78
1003230	12	19,0	3/4"	32,20	1,27	37,5	5500	150,0	22000	260,0	10,24	1,430	0,97
1003294	16	25,0	1"	40,40	1,59	32,7	4750	130,8	19000	310,0	12,20	2,100	1,42

Dimensions shown may be changed without prior notice

// FLEXOR 4SP LT

EN 856 4SP

Tube: oil resistant ultra low temperature synthetic rubber.
Reinforcement: four high tensile steel spirals.
Cover: oil, water, ozone and ultra low temperature resistant synthetic rubber.
Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for ultra low temperature applications.
Constant operation: -55 °C +100 °C (-67 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random
Notes: specification reference SAE 100 R15 (1/1, 3/8, 1/2)

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1003284	04	6,0	1/4"	17,90	0,70	45,0	6550	180,0	26200	150,0	5,91	0,555	0,38
1003285	06	10,0	3/8"	21,40	0,84	44,5	6450	178,0	25800	180,0	7,09	0,736	0,50
1003286	08	13,0	1/2"	24,60	0,97	42,0	6000	168,0	24000	230,0	9,06	0,873	0,59
1003231	10	16,0	5/8"	28,20	1,11	35,0	5000	140,0	20000	250,0	9,84	1,042	0,71
1003287	12	19,0	3/4"	32,20	1,27	38,0	5500	152,0	22040	300,0	11,81	1,443	0,97
1003288	16	25,0	1"	39,70	1,56	32,0	4640	128,0	18560	340,0	13,39	1,953	1,32

// FLEXOR 4SH LT

EN 856 4SH

Tube: oil resistant ultra low temperature synthetic rubber.
Reinforcement: four high tensile steel spirals.
Cover: oil, water, ozone and ultra low temperature resistant synthetic rubber.
Application: very high pressure hydraulic lines, fuel oil, antifreeze solutions, air and water. Specially designed for ultra low temperature applications.
Constant operation: -55 °C +100 °C (-67 °F +212 °F)
air max T = +70 °C (+160 °F)
Length: random up to 1" - 61 m max over 1"1/4

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1003700	12	19,0	3/4"	32,20	1,27	42,0	6000	168,0	24000	280,0	11,02	1,564	1,06
1003232	16	25,0	1"	38,70	1,52	38,0	5500	152,0	22040	340,0	13,39	1,931	1,30
1003289	20	32,0	1 1/4"	45,50	1,79	35,0	5000	140,0	20000	460,0	18,11	2,479	1,67
1003290	24	38,0	1 1/2"	53,50	2,11	29,0	4200	116,0	16800	560,0	22,05	3,267	2,20
1003291	32	51,0	2"	68,10	2,68	25,0	3630	100,0	14500	700,0	27,56	4,714	3,17

Dimensions shown may be changed without prior notice

// OIL RETURN LINES

// FLEXOR R4 604

SAE 100 R4

Tube: oil resistant synthetic rubber.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: fuel, oil and hydraulic fluids with 50% max aromatic content suction and delivery. Specially designed for hydraulic oil return lines.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
Length: 61 m max

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001123	12	19,0	3/4"	30,00	1,18	2,1	300	8,4	1200	57,0	2,24	0,600	0,41
1001124	16	25,0	1"	36,00	1,42	1,7	250	6,8	986	75,0	2,95	0,740	0,50
1001126	20	32,0	1 1/4"	43,00	1,69	1,4	200	5,6	800	96,0	3,78	0,940	0,64
1001127	24	38,0	1 1/2"	49,00	1,93	1,0	150	4,0	600	114,0	4,49	1,080	0,73
1001128	32	51,0	2"	62,00	2,44	0,7	100	2,8	400	152,0	5,98	1,410	0,95
1001129	40	63,0	2 1/2"	76,00	2,99	0,4	60	1,6	240	189,0	7,44	2,040	1,38
1001130	48	76,0	3"	89,00	3,50	0,4	60	1,6	240	228,0	8,98	2,430	1,64
1001131	56	90,0	3 1/2"	104,00	4,09	0,3	45	1,2	180	270,0	10,63	3,000	2,02
1001132	64	102,0	4"	116,00	4,57	0,2	30	0,8	120	306,0	12,05	3,350	2,26

// FLEXOR R4 634

EXTRA FLEXIBLE SAE 100 R4

Tube: oil resistant synthetic rubber.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
Application: fuel, oil and hydraulic fluids with 50% max aromatic content suction and delivery. Specially designed for hydraulic oil return lines requiring tight bend radius.
Constant operation: -40 °C +100 °C (-40 °F +212 °F)
Length: 61 m max

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001272	12	19,0	3/4"	30,00	1,18	2,1	300	8,4	1200	38,0	1,50	0,600	0,41
1001273	16	25,0	1"	36,00	1,42	1,7	250	6,8	986	50,0	1,97	0,750	0,51
1001275	20	32,0	1 1/4"	43,00	1,69	1,4	200	5,6	800	64,0	2,52	0,920	0,62
1001278	24	38,0	1 1/2"	49,00	1,93	1,0	150	4,0	600	76,0	2,99	1,060	0,72
1001280	32	51,0	2"	62,00	2,44	0,7	100	2,8	400	102,0	4,02	1,380	0,93
1001282	40	63,0	2 1/2"	76,00	2,99	0,4	60	1,6	240	125,0	4,92	2,180	1,47
1001284	48	76,0	3"	89,00	3,50	0,4	60	1,6	240	152,0	5,98	2,590	1,75
1001288	64	102,0	4"	116,00	4,57	0,2	30	0,8	120	203,0	7,99	3,400	2,29

Dimensions shown may be changed without prior notice

// FLEXOR R4 644 HT

EXTRA FLEXIBLE - HIGH TEMP
SAE 100 R4

Tube: oil resistant synthetic rubber.
Reinforcement: high tensile textile cords with embedded steel helix wire.
Cover: abrasion, ozone and hydrocarbon resistant synthetic rubber.
MSHA APPROVED
Application: fuel, oil and hydraulic fluids with 50% max aromatic content suction and delivery. Specially designed for high temperature applications and hydraulic oil return lines requiring tight bend radius.
Constant operation: -40 °C +135 °C (-40 °F +275 °F)
Length: 61 m max

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1001277	12	19,0	3/4"	30,00	1,18	2,1	300	8,4	1200	38,0	1,50	0,630	0,43
1001274	16	25,0	1"	36,00	1,42	1,7	250	6,8	986	50,0	1,97	0,810	0,55
1001196	20	32,0	1 1/4"	43,00	1,69	1,4	200	5,6	800	64,0	2,52	1,000	0,68
1001279	24	38,0	1 1/2"	49,00	1,93	1,0	150	4,0	600	76,0	2,99	1,150	0,78
1001281	32	51,0	2"	62,00	2,44	0,7	100	2,8	400	102,0	4,02	1,490	1,01

Dimensions shown may be changed without prior notice

// PRESSURE WASH

// ALFAJET 210

Tube: oil, detergents and hot water resistant synthetic rubber.
Reinforcement: one high tensile steel braid.
Cover: smooth. Abrasion, ozone and hydrocarbon resistant blue synthetic rubber, pin-pricked. Black cover also available.
Application: high pressure power cleaners. Specially designed for hot water applications. Not recommended for steam service.
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000192	04	6,0	1/4"	12,10	0,48	21,0	3000	84,0	12000	50,0	1,97	0,161	0,11
1000185	05	8,0	5/16"	14,10	0,56	21,0	3000	84,0	12000	60,0	2,36	0,184	0,13
1000098	06	10,0	3/8"	15,60	0,61	21,0	3000	73,0	10588	65,0	2,56	0,250	0,17
1000166	08	13,0	1/2"	19,50	0,77	21,0	3000	73,0	10588	90,0	3,54	0,359	0,25

// ALFAJET 400

Tube: oil, detergents and hot water resistant synthetic rubber.
Reinforcement: two high tensile steel braids.
Cover: smooth. abrasion, ozone and hydrocarbon resistant blue synthetic rubber, pin-pricked. Black cover also available.
Application: high pressure power cleaners. Specially designed for hot water applications. Not recommended for steam service.
Length: random

Item Code													
	Dash	mm	in	mm	in	Mpa	psi	Mpa	psi	mm	in	kg/m	lb/ft
1000221	04	6,0	1/4"	13,20	0,52	40,0	5850	140,0	20000	70,0	2,76	0,250	0,17
1000220	05	8,0	5/16"	14,90	0,59	40,0	5850	140,0	20000	76,0	2,99	0,293	0,20
1000219	06	10,0	3/8"	16,70	0,66	40,0	5850	130,0	18900	90,0	3,54	0,363	0,25
1000218	08	13,0	1/2"	20,10	0,79	40,0	5850	120,0	17450	115,0	4,53	0,477	0,33

Dimensions shown may be changed without prior notice

// PTFE HOSE

// 9TS OM

SMOOTH PTFE STAINLESS STEEL BRAID STANDARD DUTY EXCEEDS SAE 100 R14

Tube: smooth ptfe - high mechanical and vibration resistance, low permeability, dielectrical, fire resistant, food grade (FDA, DVGW, BFR compliant). Chemically inert, non sticking, ozone and weather resistant.
Reinforcement: high tensile stainless steel braid AISI 304.
Application: compressed air, gas, steam, fuel, oil, chemical and pharmaceutical products, particularly suitable for steam piping on injection moulding machines, diathermic oil installations, charging lines for cryogenic gas, compressor discharge lines, automotive, pharmaceutical and food sectors. Solvents, pigments and paint transfer lines. Hydraulic lines in power stearing marine applications. Not suitable for molten alkali metals and halogens at high temperature.
Constant operation: -60 °C +260 °C (-76 °F +500 °F)

Item Code									
	mm	in	mm	mm	Mpa	psi	mm	in	kg/m
2600557	5,0	3/16"	7,86	0,89	27,6	4000	51,0	2,01	0,090
2600558	6,0	1/4"	8,64	0,64	24,1	3500	76,0	2,99	0,090
2600559	8,0	5/16"	11,05	0,64	20,7	3000	102,0	4,02	0,130
2600560	10,0	3/8"	12,65	0,64	18,3	2600	127,0	5,00	0,150
2600561	13,0	1/2"	15,40	0,76	16,1	2300	140,0	5,51	0,200
2600562	16,0	5/8"	18,40	0,89	13,8	2000	165,0	6,50	0,270
2600563	19,0	3/4"	22,10	0,89	11,4	1600	203,0	7,99	0,330
2600564	25,0	1"	29,75	1,10	6,9	1000	305,0	12,01	0,520

Dimensions shown may be changed without prior notice

// 9TC OM

CONVOLUTED PTFE STAINLESS STEEL BRAID

Tube: smooth ptfe - high mechanical and vibration resistance, low permeability, dielectrical, fire resistant, food grade (FDA, DVGW, BFR compliant). Chemically inert, non sticking, ozone and weather resistant.
Reinforcement: high tensile stainless steel braid AISI 304.
Application: compressed air, gas, steam, fuel, oil, chemical and pharmaceutical products, particularly suitable for steam piping on injection moulding machines, diathermic oil installations, charging lines for cryogenic gas, compressor discharge lines, automotive, pharmaceutical and food sectors. Solvents, pigments and paint transfer lines. Hydraulic lines in power stearing marine applications. Not suitable for molten alkali metals and halogens at high temperature.
Constant operation: -60 °C +260 °C (-76 °F +500 °F)

Item Code									
	mm	in	mm	mm	Mpa	psi	mm	in	kg/m
2600574	13,0	1/2"	18,80	0,89	10,3	1500	25,0	0,98	0,280
2600575	16,0	5/8"	22,10	0,89	8,3	1200	51,0	2,01	0,330
2600576	19,0	3/4"	24,65	0,89	6,9	1000	64,0	2,52	0,400
2600577	25,0	1"	32,77	1,02	4,6	670	89,0	3,50	0,550
2600578	32,0	1 1/4"	40,72	1,02	3,4	525	127,0	5,00	0,690
2600579	38,0	1 1/2"	48,25	1,12	3,0	450	152,0	5,98	0,890
2600580	51,0	2"	61,50	1,20	2,3	345	200,0	7,87	1,240

// FERRULE SELECTION CHART

// NO SKIVE 40
// SKIVE 41
// MULTISPIRAL 42
// INTERLOCK 42
// ALFACRIMP 43

Dimensions shown may be changed without prior notice

// NO SKIVE FERRULE FOR STANDARD FITTINGS

Hose	Table n°	-03 DN 5 3/16"	-04 DN 6 1/4"	-05 DN 8 5/16"	-06 DN 10 3/8"	-08 DN 12 1/2"	-10 DN 16 5/8"	-12 DN 19 3/4"	-16 DN 25 1"	-20 DN 32 1 1/4"	-24 DN 38 1 1/2"	-32 DN 51 2"	-40 DN 63 2 1/2"	-48 DN 76 3"
ARGUS 1TE/R6 (HF)	209		H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1					
ARGUS 2TE (HF)	210		H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100404	H1100404	H1100SK1					
ARGUS 2TE RAILWAY	210		H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100404	H1100404	H1100SK1					
ARGUS 3TE/R3 (HF)	252		H1200TX2	H1200TX2	H1200TX2	H1200TX2	H1200TX2	H1200TX2	H1200TX2	H1200TX2	H1200TX2	H1200TX2		
FLEXOR TWB1	200	H1200TP0	H1200TP0	H1200TP0	H1200TP0	H1200TP0	H1200TP0	H1200TP0	H1200TP0					
FLEXOR 7	198	H1200TP0	H1200TP0	H1200TP0	H1200TP0	H1200TP0								
FLEXOR 8	199	H1200TP0	H1200TP0	H1200TP0	H1200TP0	H1200TP0								
FLEXOPAK PLT	197	H1200103	H1200103	H1200TP0	H1200TP0	H1200TP0								
FLEXOPAK 1SC	178		H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1					
	206	H1200TP0		H1200TP0	H1200TP0	H1200TP0								
AT3K - MINETUFF	185		H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD2					
	248	H1200103		H1200TP0	H1200TP0	H1200TP0								
ALFAJET 210	185		H1200AD1	H1200AD1	H1200AD1	H1200AD1								
	248			H1200TP0	H1200TP0	H1200TP0								
FLEXOPAK 2SC (HF)	176		H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1					
FLEXOPAK 2SC RAILWAY	176		H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1					
ALFAJET 400	176		H1200AD1	H1200AD1	H1200AD1	H1200AD1								
FLEXOPAK 2 - MINETUFF	177		H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1			H1200AD1	H1200AD1	H1200AD1	H1200TX2	
FLEXOPAK 2 HT	177		H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1			H1200AD1	H1200AD1	H1200AD1	H1200TX2	
FLEXOPAK 2 LT	177		H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1			H1200AD1				
FLEXOPAK 2 - MINETUFF	300							H1200AD2	H1200AD2					
FLEXOPAK 2 LT	300							H1200AD2	H1200AD2					
FLEXOR 1SN (HF)	173	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1		
FLEXOR 1SN/R1AT - MINETUFF	173		H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1		
1SN EVOLUTION HT 150	179		H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1	H1200AD1		
FLEXOR 2SN (HF)	174	H1200AD2	H1200AD2	H1200AD2	H1200AD2	H1200AD2	H1200AD2	H1200AD2	H1200AD2	H1200AD2	H1200AD2	H1200AD2		
FLEXOR 2SN/R2AT - MINETUFF	174		H1200AD2	H1200AD2	H1200AD2	H1200AD2	H1200AD2	H1200AD2	H1200AD2	H1200AD2	H1200AD2	H1200AD2		
FLEXOR ELEVATOR	183							H1200AD1	H1200AD1	H1200AD1	H1200AD1			
ALFABIOTECH 3000 MINETUFF	186									H1200204	H1200204			
ALFABIOTECH 4000 MINETUFF	194							H1200204	H1200204	H1200204				
ALFABIOTECH 5000 MINETUFF	258						H1200204							
ALFABIOTECH 6000 MINETUFF	259				H1200204	H1200204								
FLEXOR R4	018							H1200TX2	H1200TX2	H1200TX2	H1200TX2	H1200TX2	H1200TX2	
PTFE - 9TS	201	H2200TF0	H2200TF0	H2200TF0	H2200TF0	H2200TF0	H2200TF0	H2200TF0	H2200TF0					
PTFE - 9TC	203				H2200TF0	H2200TF0	H2200TF0	H2200TF0	H2200TF0	H2200TF0	H2200TF0	H2200TF0		

Hose	Crimping Table n°	-04 DN 5 3/16"	-05 DN 6 1/4"	-06 DN 8 5/16"	-08 DN 11 13/32"	-10 DN 12 1/2"	-12 DN 16 5/8"	-16 DN 22 7/8"	-20 DN 29 1 1/8"	-24 DN 35 1 3/8"	-32 DN 46 1 13/16"
FLEXOR 5	261	H1200TX2-03	H1200TX2-04	H1200TX2-05	H1200TX2-06*	H1200TX2-08	H1200TX2-10	H1200TX2-12*	H1200TX2-16*	H1200TX2-20*	H1200TX2-32*
R5 EVOLUTION HT 150	261	H1200TX2-03	H1200TX2-04	H1200TX2-05	H1200TX2-06*	H1200TX2-08	H1200TX2-10	H1200TX2-12*	H1200TX2-16*	H1200TX2-20*	H1200TX2-32*

* for these dimensions is necessary to use the specific insert for R5 hose

Dimensions shown may be changed without prior notice

// SKIVE FERRULE FOR STANDARD FITTINGS

Hose	Table n°	-03 DN 5 3/16"	-04 DN 6 1/4"	-05 DN 8 5/16"	-06 DN 10 3/8"	-08 DN 12 1/2"	-10 DN 16 5/8"	-12 DN 19 3/4"	-16 DN 25 1"	-20 DN 32 1 1/4"	-24 DN 38 1 1/2"	-32 DN 51 2"	-40 DN 63 2 1/2"	-48 DN 76 3"
FLEXOPAK 1SC	208		H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1					
AT3K MINETUFF	239		H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1					
ALFAJET 210	239		H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1					
FLEXOR 1SN MINETUFF	223		H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1					
1SN EVOLUTION HT 150	240		H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1					
FLEXOPAK 2SC (HF)	222		H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1					
FLEXOPAK 2SC MINETUFF	222		H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1					
ALFAJET 400	222		H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1					
FLEXOPAK 2 MINETUFF	207		H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100404	H1100104	H1100404		
FLEXOPAK 2 HT	207		H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100404	H1100104	H1100404		
FLEXOPAK 2 LT	207		H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100SK1	H1100404				
FLEXOR 2SN (HF)	235		H1100404	H1100404	H1100404	H1100404	H1100404	H1100404	H1100404	H1100404	H1100404	H1100404		
FLEXOR 2SN MINETUFF	235		H1100404	H1100404	H1100404	H1100404	H1100404	H1100404	H1100404	H1100404	H1100404	H1100404		
2SN EVOLUTION HT 150	237		H1100404	H1100404	H1100404	H1100404	H1100404	H1100404	H1100404	H1100404	H1100404	H1100404		
FLEXOR ELEVATOR	184											H1100104		
FLEXOR 4SP LT	41		H1100404		H1100404	H1100404	H1100404	H1100404	H1100404					
ALFAFOREST	DH 33				H1100404	H1100404	H1100404	H1100404	H1100404	H1100404				
ALFAFOREST LT	DH 33				H1100404	H1100404	H1100404	H1100404	H1100404	H1100404				
ALFABIOTECH 2000 MINETUFF	212												H1K00404	H1K00404
ALFABIOTECH 3000 MINETUFF	229									H1100404	H1100404	H1100404		
ALFABIOTECH 4000 MINETUFF	187					H1100404		H1100404	H1100404					
ALFABIOTECH 5000 MINETUFF	188						H1100404	H1100404	H1100404					
ALFABIOTECH 5000 PLUS MINETUFF	211							H1100404						
ALFABIOTECH 6000 MINETUFF	192		H1100404		H1100404	H1100404								

Dimensions shown may be changed without prior notice

// INTERLOCK FERRULE FOR INTERLOCK FITTINGS

Hose	Table n°	-06 DN 10 3/8"	-08 DN 12 1/2"	-10 DN 16 5/8"	-12 DN 19 3/4"	-16 DN 25 1"	-20 DN 32 1 1/4"	-24 DN 38 1 1/2"	-32 DN 51 2"	-40 DN 63 2 1/2"	-48 DN 76 3"
FLEXOR 4SH LT	8				H1400200	H1400200	H1400200	H1400200	H1400200		
ALFABIOTECH 3000 MINETUFF	217										H1T00600*
ALFABIOTECH 4000 MINETUFF	195					H1400200		H1400200	H1400200		
ALFABIOTECH 5000 MINETUFF	189				H1400200	H1400200	H1400200	H1400301	H1400301	H1T00600*	
ALFABIOTECH 5000 PLUS MINETUFF	190				H1400200	H1400200					
ALFABIOTECH 6000 MINETUFF - 4S	191			H1400301	H1400200	H1400200	H1400301				
ALFABIOTECH 6000 MINETUFF - 6S							H1400301	H1400301	H1T00600*		
AT7K MINETUFF	101			H1400301			H1400301	H1400301			
AT8K MINETUFF - 4S	102				H1400301	H1T00600*					
AT8K MINETUFF - 6S					H1400301						

* suitable with only ALFAGOMMA H1T special inserts

// NO SKIVE FERRULE FOR MULTISPIRAL FITTINGS

Hose	Table n°	-06 DN 10 3/8"	-08 DN 12 1/2"	-10 DN 16 5/8"	-12 DN 19 3/4"	-16 DN 25 1"	-20 DN 32 1 1/4"	-24 DN 38 1 1/2"	-32 DN 51 2"	-40 DN 63 2 1/2"	-48 DN 76 3"
ALFABIOTECH 4000 MINETUFF	275							H1300NS4	H1300NS4		
ALFABIOTECH 5000 MINETUFF - 4S	276				H1300NS4	H1300NS4	H1300NS4				
ALFABIOTECH 5000 MINETUFF - 6S	280							H1300NS6	H1300NS6		
ALFABIOTECH 5000 PLUS MINETUFF	277				H1300NS4	H1300NS4					
ALFABIOTECH 6000 MINETUFF - 4S	278				H1300NS4	H1300NS4					
ALFABIOTECH 6000 MINETUFF - 6S	282						H1300NS6				

// SKIVE FERRULE FOR MULTISPIRAL FITTINGS

Hose	Table n°	-06 DN 10 3/8"	-08 DN 12 1/2"	-10 DN 16 5/8"	-12 DN 19 3/4"	-16 DN 25 1"	-20 DN 32 1 1/4"	-24 DN 38 1 1/2"	-32 DN 51 2"	-40 DN 63 2 1/2"	-48 DN 76 3"
ALFABIOTECH 4000 MINETUFF	264							H1300SK4	H1300SK4		
ALFABIOTECH 5000 MINETUFF	265				H1300SK4	H1300SK4	H1300SK4				
ALFABIOTECH 5000 PLUS MINETUFF	266				H1300SK4	H1300SK4					
ALFABIOTECH 6000 MINETUFF	267				H1300SK4	H1300SK4					

Dimensions shown may be changed without prior notice

// ALFACRIMP - ONE PIECE NO SKIVE

Hose	Table n°	-04 DN 6 1/4"	-05 DN 8 5/16"	-06 DN 10 3/8"	-08 DN 12 1/2"	-10 DN 16 5/8"	-12 DN 19 3/4"	-16 DN 25 1"	-20 DN 32 1 1/4"	-24 DN 38 1 1/2"	-32 DN 51 2"	-48 DN 76 3"
FLEXOPAK 1SC	218	C12A	C12A	C12A	C12A	C12A	C12A	C12A				
AT3K MINETUFF	249	C12A	C12A	C12A	C12A							
ALFAJET 210	249	C12A	C12A	C12A	C12A							
FLEXOPAK 2SC (HF)	220	C12A	C12A	C12A	C12A	C12A	C12A	C12A				
FLEXOPAK 2SC MINETUFF	220	C12A	C12A	C12A	C12A	C12A	C12A	C12A				
ALFAJET 400	220	C12A	C12A	C12A	C12A	C12A	C12A	C12A				
FLEXOPAK 2 MINETUFF	219	C12A	C12A	C12A	C12A	C12A	C12A	C12A				
	228							C124	C124	C124	C124	C122
FLEXOPAK 2 HT	219	C12A	C12A	C12A	C12A	C12A	C12A	C12A				
	228							C124	C124	C124	C124	C122
FLEXOPAK 2 LT	219	C12A	C12A	C12A	C12A	C12A	C12A	C12A				
	228							C124	C124			
FLEXOR 1SN (HF)	215	C12A	C12A	C12A	C12A	C12A	C12A	C12A	C124	C124	C124	
FLEXOR 1SN MINETUFF	215	C12A	C12A	C12A	C12A	C12A	C12A	C12A	C124	C124	C124	
TEMP TECH 1SN	250	C12A	C12A	C12A	C12A	C12A	C12A	C12A				
	92					C124	C124	C124	C124	C124	C124	
FLEXOR 2SN (HF)	216	C12A	C12A	C12A	C12A	C12A	C12A	C12A				
	227				C124	C124	C124	C124	C124	C124	C124	
FLEXOR 2SN MINETUFF	216	C12A	C12A	C12A	C12A	C12A	C12A	C12A				
	227				C124	C124	C124	C124	C124	C124	C124	
2SN EVOLUTION HT 150	236	C12A	C12A	C12A		C12A	C12A	C12A				
	93			C124	C124	C124	C124	C124	C124	C124	C124	
FLEXOR 4SH LT	128						C126	C126	C126	C126	C12H	
ALFABIOTECH 3000 MINETUFF	213								C124	C124	C124	
ALFABIOTECH 4000 MINETUFF	241			C124	C124	C124	C124	C124	C124*		C126	
ALFABIOTECH 5000 MINETUFF	244					C124#	C124*	C124				
	246						C126	C126	C126	C126	C126	
ALFABIOTECH 6000 MINETUFF	245			C124#	C124#							
	214						C126	C126	C126			

validated for use at only 280 bar (4000 PSI) WP

* under validation

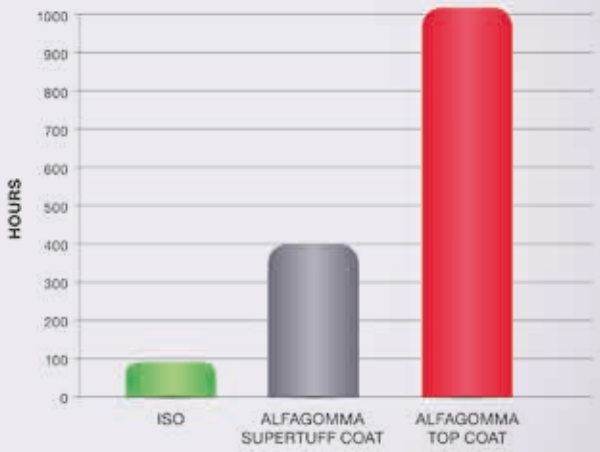
ALFAGOMMA

ALFAGOMMA TOP COAT
OVER 10 TIMES HIGHER THAN STANDARD

TOP COAT

- TESTED IN ACCORDANCE WITH ASTM B117-03 AND UNI ISO 9927 STANDARDS
- OVER 500 HOURS CORROSION PREVENTION IN SALT SPRAY FOG TO WHITE RUST
- MORE THAN 1000 HOURS CORROSION RESISTANCE TO RED RUST

Resistance to red rust in salt fog
(test in compliance with ISO 9227)



// STANDARD

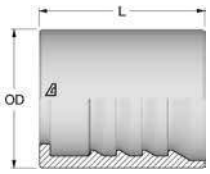
// FERRULES 46
// HOSE MENDER 48
// BSP INSERTS 49
// DIN METRIC INSERTS 56
// PRESSURE WASHER 70
// SAE INSERTS 71
// JIC 37° INSERTS 73
// NPTF INSERTS 79
// NPSM INSERTS 81
// ORFS INSERTS 82
// FRENCH INSERTS 86
// JIS INSERTS 87
// KOMATSU INSERTS 89
// SAE FLANGES 91

Dimensions shown may be changed without prior notice

// FERRULES

// H1100104

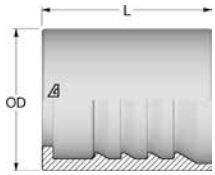
Skive Ferrule for 1SN and FXP2 1 1/2"



Item Code	Part Number	ID			OD	L
		Dash	mm	in	mm	mm
1201545	H1100104-200000	20	31,0	1 1/4"	50,0	43,8
1201546	H1100104-240000	24	38,0	1 1/2"	57,0	49,2
1201547	H1100104-320000	32	51,0	2"	71,0	63,7

// H1100404

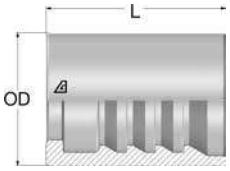
Skive Ferrule for 2SN, 3 Wire Braid, Alfabiotech and Wire Spiral Hoses



Item Code	Part Number	ID			OD	L
		Dash	mm	in	mm	mm
1202719	H1100404-040000	04	6,0	1/4"	22,0	26,3
1203253	H1100404-060000	06	10,0	3/8"	25,0	28,5
1203266	H1100404-080000	08	13,0	1/2"	29,0	34,7
1219132	H1100404-100000	10	16,0	5/8"	33,0	37,5
1203368	H1100404-120000	12	19,0	3/4"	37,0	41,5
1234701	H1100404-160000	16	25,0	1"	45,0	47,7
1234766	H1100404-200000	20	31,0	1 1/4"	55,0	54,5
1234767	H1100404-240000	24	38,0	1 1/2"	67,0	61,1
1234768	H1100404-320000	32	51,0	2"	82,0	75,1

// H1100SK1

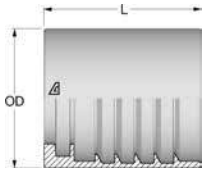
Skive Ferrule for 1 Wire Braid and 2 Wire Braid Compact Hoses



Item Code	Part Number	ID			OD	L
		Dash	mm	in	mm	mm
1233077	H1100SK1-040000	04	6,0	1/4"	19,0	25,5
1233078	H1100SK1-050000	05	8,0	5/16"	21,0	25,5
1233079	H1100SK1-060000	06	10,0	3/8"	23,0	27,5
1233080	H1100SK1-080000	08	13,0	1/2"	27,0	33,5
1233081	H1100SK1-100000	10	16,0	5/8"	30,0	36,5
1233082	H1100SK1-120000	12	19,0	3/4"	33,0	40,0
1233083	H1100SK1-160000	16	25,0	1"	41,0	46,5

// H1200204

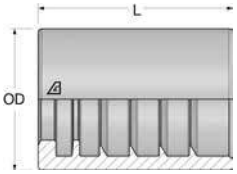
No-skive Ferrule for R12 and Alfabiotech Hoses



Item Code	Part Number	ID			OD	L
		Dash	mm	in	mm	mm
1216588	H1200204-060000	06	10,0	3/8"	30,0	28,0
1216589	H1200204-080000	08	13,0	1/2"	34,0	33,9
1216590	H1200204-100000	10	16,0	5/8"	38,0	36,6
1203322	H1200204-120000	12	19,0	3/4"	42,0	39,5
1203323	H1200204-160000	16	25,0	1"	50,0	47,5
1216591	H1200204-200000	20	31,0	1 1/4"	61,0	50,2

// H1200103

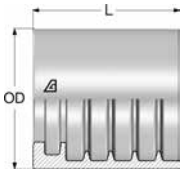
No-skive Ferrule for PLT Hoses



Item Code	Part Number	ID			OD	L
		Dash	mm	in	mm	mm
1202932	H1200103-030000	03	5,0	3/16"	17,0	23,0
1201351	H1200103-040000	04	6,0	1/4"	19,0	26,3

// H1200AD1

No-skive Ferrule for 1 Wire Braid and 2 Wire Braid Compact Hoses

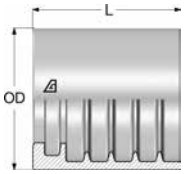


Item Code	Part Number	ID			OD	L
		Dash	mm	in	mm	mm
1227977	H1200AD1-030000	03	5,0	3/16"	19,0	24,0
1227978	H1200AD1-040000	04	6,0	1/4"	22,0	24,7
1227979	H1200AD1-050000	05	8,0	5/16"	23,0	24,7
1227980	H1200AD1-060000	06	10,0	3/8"	26,0	29,7
1227981	H1200AD1-080000	08	13,0	1/2"	29,0	30,5
1227983	H1200AD1-100000	10	16,0	5/8"	32,0	30,5
1227985	H1200AD1-120000	12	19,0	3/4"	36,0	36,0
1227986	H1200AD1-160000	16	25,0	1"	44,0	36,7
1227987	H1200AD1-200000	20	31,0	1 1/4"	53,0	48,6
1227988	H1200AD1-240000	24	38,0	1 1/2"	61,0	48,6
1227989	H1200AD1-320000	32	51,0	2"	75,0	48,6

Dimensions shown may be changed without prior notice

// H1200AD2

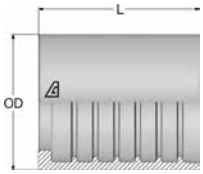
No-skive Ferrule for 2SN, 1 Wire Braid 1 1/4" and 2 Wire Braid Compact 1 1/4" Hoses



Item Code	Part Number	ID			OD	L
		Dash	mm	in	mm	mm
1227990	H1200AD2-030000	03	5,0	3/16"	21,0	20,0
1227991	H1200AD2-040000	04	6,0	1/4"	23,0	24,7
1227992	H1200AD2-050000	05	8,0	5/16"	25,0	24,7
1227993	H1200AD2-060000	06	10,0	3/8"	27,0	29,7
1227994	H1200AD2-080000	08	13,0	1/2"	30,0	30,5
1227995	H1200AD2-100000	10	16,0	5/8"	33,0	30,5
1227996	H1200AD2-120000	12	19,0	3/4"	37,0	36,0
1227997	H1200AD2-160000	16	25,0	1"	45,0	36,7
1227998	H1200AD2-200000	20	31,0	1 1/4"	56,0	48,6
1227999	H1200AD2-240000	24	38,0	1 1/2"	64,0	48,5
1228000	H1200AD2-320000	32	51,0	2"	78,0	48,6

// H1200TP0

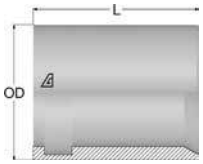
No-skive Ferrule for Thermoplastic and 1 Wire Braid Compact Hoses



Item Code	Part Number	ID			OD	L
		Dash	mm	in	mm	mm
1232354	H1200TP0-030000	03	5,0	3/16"	15,0	22,0
1232358	H1200TP0-040000	04	6,0	1/4"	17,0	26,5
1232359	H1200TP0-050000	05	8,0	5/16"	19,0	26,5
1232360	H1200TP0-060000	06	10,0	3/8"	22,0	26,5
1232361	H1200TP0-080000	08	13,0	1/2"	26,0	30,5

// H2200TF0

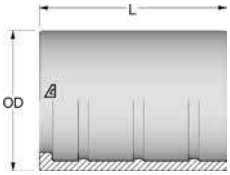
No-skive Ferrule for PTFE Hoses



Item Code	Part Number	ID			OD	L
		Dash	mm	in	mm	mm
1232132	H2200TF0-030000	03	5,0	3/16"	14,0	20,0
1232133	H2200TF0-040000	04	6,0	1/4"	15,0	25,0
1232134	H2200TF0-050000	05	8,0	5/16"	17,2	25,0
1232135	H2200TF0-060000	06	10,0	3/8"	22,0	25,0
1232136	H2200TF0-080000	08	13,0	1/2"	25,0	30,0
1232137	H2200TF0-100000	10	16,0	5/8"	30,0	33,0
1232138	H2200TF0-120000	12	19,0	3/4"	35,0	37,0
1232139	H2200TF0-160000	16	25,0	1"	42,0	45,0
1232140	H2200TF0-200000	20	31,0	1 1/4"	50,0	48,0
1232141	H2200TF0-240000	24	38,0	1 1/2"	57,0	58,0
1232142	H2200TF0-320000	32	51,0	2"	73,0	67,0

// H1200TX2

No-skive Ferrule for 3TE, R4, R5 and FXP2 MT 2 1/2" Hoses



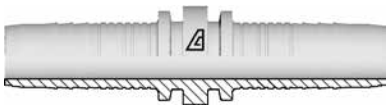
Item Code	Part Number	ID			OD	L
		Dash	mm	in	mm	mm
1236581	H1200TX2-030000	03	5,0	3/16"	21,0	20,0
1236582	H1200TX2-040000	04	6,0	1/4"	23,0	24,7
1236583	H1200TX2-050000	05	8,0	5/16"	25,0	24,7
1236584	H1200TX2-060000	06	10,0	3/8"	27,0	29,7
1236585	H1200TX2-080000	08	13,0	1/2"	30,0	30,5
1236586	H1200TX2-100000	10	16,0	5/8"	34,0	35,5
1236587	H1200TX2-120000	12	19,0	3/4"	38,0	36,0
1236588	H1200TX2-160000	16	25,0	1"	48,0	42,5
1236589	H1200TX2-200000	20	31,0	1 1/4"	53,0	56,5
1236590	H1200TX2-240000	24	38,0	1 1/2"	60,0	61,5
1236591	H1200TX2-320000	32	51,0	2"	76,0	73,5
1236592	H1200TX2-400000	40	63,0	2 1/2"	89,0	85,0

Dimensions shown may be changed without prior notice

// HOSE MENDER

// H12C5610

Hose Mender



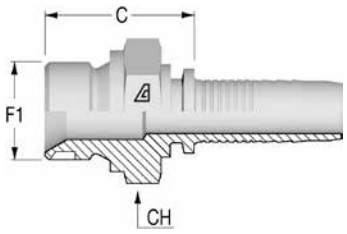
Item Code	Part Number	ID		
		Dash	mm	in
1202949	H12C5610-040400	04	6,0	1/4"
1202870	H12C5610-050500	05	8,0	5/16"
1202868	H12C5610-060600	06	10,0	3/8"
1202867	H12C5610-080800	08	13,0	1/2"
1203160	H12C5610-101000	10	16,0	5/8"
1203161	H12C5610-121200	12	19,0	3/4"
1220608	H12C5610-161600	16	25,0	1"
1220607	H12C5610-202000	20	32,0	1 1/4"
1220605	H12C5610-242400	24	38,0	1 1/2"
1220606	H12C5610-323200	32	51,0	2"

Dimensions shown may be changed without prior notice

// BSP INSERTS

// H1210510

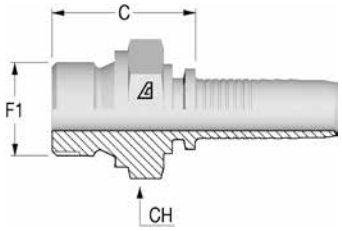
BSPP Male 60° Flare
AGR



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1201291	H1210510-030200	NA	03	5,0	3/16"	02	1/8-28	20,3	14,0
1201722	H1210510-040200	NA	04	6,0	1/4"	02	1/8-28	20,8	14,0
1200507	H1210510-040400	NA	04	6,0	1/4"	04	1/4-19	26,3	19,0
1200508	H1210510-040600	NA	04	6,0	1/4"	06	3/8-19	27,8	22,0
1201098	H1210510-040800	NA	04	6,0	1/4"	08	1/2-14	31,3	27,0
1200540	H1210510-050400	NA	05	8,0	5/16"	04	1/4-19	26,3	19,0
1200541	H1210510-050600	NA	05	8,0	5/16"	06	3/8-19	27,8	22,0
1201101	H1210510-050800	NA	05	8,0	5/16"	08	1/2-14	31,3	27,0
1200340	H1210510-060400	NA	06	10,0	3/8"	04	1/4-19	26,3	19,0
1200341	H1210510-060600	NA	06	10,0	3/8"	06	3/8-19	27,8	22,0
1200339	H1210510-060800	NA	06	10,0	3/8"	08	1/2-14	31,3	27,0
1200386	H1210510-080600	NA	08	13,0	1/2"	06	3/8-19	28,6	22,0
1200384	H1210510-080800	NA	08	13,0	1/2"	08	1/2-14	32,1	27,0
1201096	H1210510-081000	NA	08	13,0	1/2"	10	5/8-14	34,1	30,0
1200385	H1210510-081200	NA	08	13,0	1/2"	12	3/4-14	36,1	32,0
1201085	H1210510-100800	NA	10	16,0	5/8"	08	1/2-14	32,1	27,0
1200419	H1210510-101000	NA	10	16,0	5/8"	10	5/8-14	34,1	30,0
1200418	H1210510-101200	NA	10	16,0	5/8"	12	3/4-14	36,1	32,0
1200446	H1210510-121200	NA	12	19,0	3/4"	12	3/4-14	36,6	32,0
1201095	H1210510-121600	NA	12	19,0	3/4"	16	1-11	41,6	41,0
1201355	H1210510-161600	NA	16	25,0	1"	16	1-11	42,4	41,0
1201356	H1210510-162000	NA	16	25,0	1"	20	1 1/4-11	46,4	50,0
1201357	H1210510-202000	NA	20	32,0	1 1/4"	20	1 1/4-11	48,0	50,0
1201358	H1210510-242400	NA	24	38,0	1 1/2"	24	1 1/2-11	51,0	55,0
1201359	H1210510-323200	NA	32	51,0	2"	32	2-11	56,5	70,0

// H1210610

BSPP Male Flat Seat
AGR FD

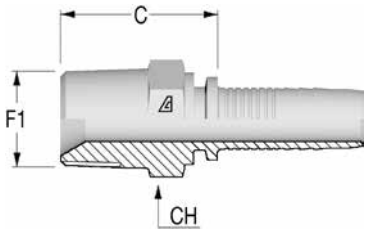


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1214181	H1210610-040400	NA	04	6,0	1/4"	04	1/4-19	26,3	19,0
1223423	H1210610-060600	NA	06	10,0	3/8"	06	3/8-19	27,8	22,0
1216596	H1210610-060800	NA	06	10,0	3/8"	08	1/2-14	31,3	27,0
1225012	H1210610-080800	NA	08	13,0	1/2"	08	1/2-14	32,1	27,0

Dimensions shown may be changed without prior notice

// H1210710

BSPT Male
AGR K

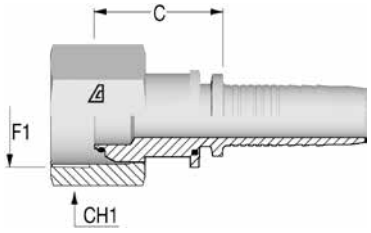


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1200456	H1210710-030200	NA	03	5,0	3/16"	02	1/8-28	20,8	12,0
1200491	H1210710-040200	NA	04	6,0	1/4"	02	1/8-28	21,3	12,0
1200490	H1210710-040400	NA	04	6,0	1/4"	04	1/4-19	26,8	17,0
1200492	H1210710-040600	NA	04	6,0	1/4"	06	3/8-19	27,8	19,0
1200532	H1210710-050400	NA	05	8,0	5/16"	04	1/4-19	26,8	17,0
1200533	H1210710-050600	NA	05	8,0	5/16"	06	3/8-19	27,8	19,0
1200328	H1210710-060400	NA	06	10,0	3/8"	04	1/4-19	26,8	17,0
1200329	H1210710-060600	NA	06	10,0	3/8"	06	3/8-19	27,8	19,0
1200327	H1210710-060800	NA	06	10,0	3/8"	08	1/2-14	32,3	22,0
1200373	H1210710-080600	NA	08	13,0	1/2"	06	3/8-19	28,6	19,0
1200371	H1210710-080800	NA	08	13,0	1/2"	08	1/2-14	33,1	22,0
1200410	H1210710-101200	NA	10	16,0	5/8"	12	3/4-14	34,1	27,0
1200440	H1210710-121200	NA	12	19,0	3/4"	12	3/4-14	34,6	27,0
1200439	H1210710-121600	NA	12	19,0	3/4"	16	1-11	43,6	36,0
1201365	H1210710-161200	NA	16	25,0	1"	12	3/4-14	37,4	32,0
1201361	H1210710-161600	NA	16	25,0	1"	16	1-11	44,4	36,0
1201363	H1210710-202000	NA	20	32,0	1 1/4"	20	1 1/4-11	49,0	46,0
1201364	H1210710-242400	NA	24	38,0	1 1/2"	24	1 1/2-11	50,5	50,0
1201360	H1210710-323200	NA	32	51,0	2"	32	2-11	54,2	65,0

Dimensions shown may be changed without prior notice

// H1220813

BSPP Female 60° Cone with O-Ring DKOR



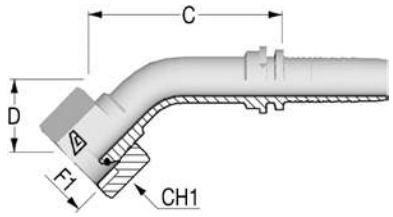
Item Code	Part Number	Nut Type	ID			F1	F1	C	CH1
			Dash	mm	in	Dash Size		mm	mm
1200606	H1220511-030200	CR	03	5,0	3/16"	02	1/8-28	14,3	14,0
1202325	H1220813-030400	SN	03	5,0	3/16"	04	1/4-19	20,3	19,0
1201066	H1220511-040200	CR	04	6,0	1/4"	02	1/8-28	14,7	14,0
1202326	H1220813-040400	SN	04	6,0	1/4"	04	1/4-19	20,8	19,0
1202327	H1220813-040600	SN	04	6,0	1/4"	06	3/8-19	23,3	22,0
1202328	H1220811-050400	CR	05	8,0	5/16"	04	1/4-19	17,3	19,0
1202329	H1220813-050600	SN	05	8,0	5/16"	06	3/8-19	23,3	22,0
1202330	H1220811-060400	CR	06	10,0	3/8"	04	1/4-19	17,3	19,0
1202331	H1220813-060600	SN	06	10,0	3/8"	06	3/8-19	23,3	22,0
1202332	H1220813-060800	SN	06	10,0	3/8"	08	1/2-14	24,3	27,0
1202571	H1220811-080600	CR	08	13,0	1/2"	06	3/8-19	18,6	22,0
1202333	H1220813-080800	SN	08	13,0	1/2"	08	1/2-14	25,1	27,0
1202334	H1220813-081000	SN	08	13,0	1/2"	10	5/8-14	28,4	27,0
1202335	H1220813-081200	SN	08	13,0	1/2"	12	3/4-14	29,0	32,0
1202457	H1220811-101000	CR	10	16,0	5/8"	10	5/8-14	17,1	27,0
1202336	H1220813-101200	SN	10	16,0	5/8"	12	3/4-14	29,0	32,0
1202462	H1220811-121200	CR	12	19,0	3/4"	12	3/4-14	23,9	32,0
1202337	H1220813-121600	SN	12	19,0	3/4"	16	1-11	34,0	38,0
1202455	H1220811-161600	CR	16	25,0	1"	16	1-11	23,9	38,0
1202338	H1220813-162000	SN	16	25,0	1"	20	1 1/4-11	39,4	50,0
1202458	H1220812-202000	TN	20	32,0	1 1/4"	20	1 1/4-11	32,0	50,0
1202339	H1220813-202400	SN	20	32,0	1 1/4"	24	1 1/2-11	41,9	55,0
1202463	H1220812-242400	TN	24	38,0	1 1/2"	24	1 1/2-11	33,8	55,0
1202340	H1220813-243200	SN	24	38,0	1 1/2"	32	2-11	47,0	70,0
1202014	H1220812-323200	TN	32	51,0	2"	32	2-11	34,0	70,0

1200606 and 1201066: WITHOUT OR

Dimensions shown may be changed without prior notice

// H1220843

45° BSPP Female 60° Cone with O-Ring
DKOR 45
Solid one piece

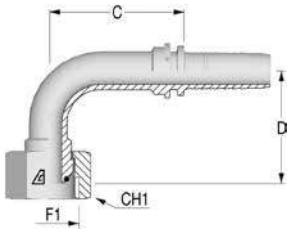


Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1202341	H1220843-040400	SN	04	6,0	1/4"	04	1/4-19	45,5	15,0	19,0
1202342	H1220843-040600	SN	04	6,0	1/4"	06	3/8-19	41,5	17,5	22,0
1214200	H1220841-050400	CR	05	8,0	5/16"	04	1/4-19	19,0	17,5	19,0
1202343	H1220843-050600	SN	05	8,0	5/16"	06	3/8-19	45,1	18,5	22,0
1202344	H1220843-060600	SN	06	10,0	3/8"	06	3/8-19	49,9	20,5	22,0
1202345	H1220843-060800	SN	06	10,0	3/8"	08	1/2-14	45,7	21,0	27,0
1202346	H1220843-080800	SN	08	13,0	1/2"	08	1/2-14	55,0	21,0	27,0
1202347	H1220843-081000	SN	08	13,0	1/2"	10	5/8-14	57,2	23,0	27,0
1202348	H1220843-081200	SN	08	13,0	1/2"	12	3/4-14	56,7	23,0	32,0
1202464	H1220841-101000	CR	10	16,0	5/8"	10	5/8-14	64,0	21,5	27,0
1202349	H1220843-101200	SN	10	16,0	5/8"	12	3/4-14	66,5	22,5	32,0
1202465	H1220841-121200	CR	12	19,0	3/4"	12	3/4-14	70,0	28,0	32,0
1202350	H1220843-121600	SN	12	19,0	3/4"	16	1-11	74,6	31,5	38,0
1202466	H1220841-161600	CR	16	25,0	1"	16	1-11	84,0	34,0	38,0
1216663	H1220843-162000	SN	16	25,0	1"	20	1 1/4-11	97,0	47,5	50,0
1202467	H1220842-202000	SN	20	32,0	1 1/4"	20	1 1/4-11	100,8	40,0	50,0
1202468	H1220842-242400	TN	24	38,0	1 1/2"	24	1 1/2-11	115,7	46,0	55,0
1202469	H1220842-323200	TN	32	51,0	2"	32	2-11	151,5	60,0	70,0

Dimensions shown may be changed without prior notice

// H1220893

90° BSPP Female 60° Cone with O-Ring
DKOR 90
Solid one piece



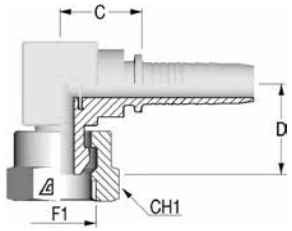
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1200607	H1220591-030200	CR	03	5,0	3/16"	02	1/8-28	24,0	30,0	14,0
1201707	H1220591-040200	CR	04	6,0	1/4"	02	1/8-28	30,5	32,0	14,0
1202367	H1220893-040400	SN	04	6,0	1/4"	04	1/4-19	29,3	29,0	19,0
1202353	H1220893-040600	SN	04	6,0	1/4"	06	3/8-19	29,8	31,0	22,0
1202354	H1220893-050600	SN	05	8,0	5/16"	06	3/8-19	33,2	36,0	22,0
1202355	H1220893-060600	SN	06	10,0	3/8"	06	3/8-19	34,8	42,0	22,0
1202356	H1220893-060800	SN	06	10,0	3/8"	08	1/2-14	34,3	35,5	27,0
1202881	H1220891-080600	CR	08	13,0	1/2"	06	3/8-19	35,3	43,0	22,0
1202357	H1220893-080800	SN	08	13,0	1/2"	08	1/2-14	35,8	41,0	27,0
1202358	H1220893-081000	SN	08	13,0	1/2"	10	5/8-14	41,6	43,5	27,0
1202359	H1220893-081200	SN	08	13,0	1/2"	12	3/4-14	41,8	43,0	32,0
1202470	H1220891-101000	CR	10	16,0	5/8"	10	5/8-14	47,9	47,0	27,0
1202360	H1220893-101200	SN	10	16,0	5/8"	12	3/4-14	51,9	49,0	32,0
1202471	H1220891-121200	CR	12	19,0	3/4"	12	3/4-14	49,1	53,0	32,0
1202361	H1220893-121600	SN	12	19,0	3/4"	16	1-11	54,1	60,5	38,0
1202475	H1220891-161600	CR	16	25,0	1"	16	1-11	75,1	69,0	38,0
1202362	H1220893-162000	SN	16	25,0	1"	20	1 1/4-11	75,1	88,5	50,0
1202472	H1220892-202000	SN	20	32,0	1 1/4"	20	1 1/4-11	82,3	83,0	50,0
1202363	H1220893-202400	SN	20	32,0	1 1/4"	24	1 1/2-11	101,0	83,0	55,0
1202456	H1220892-242400	TN	24	38,0	1 1/2"	24	1 1/2-11	95,7	96,0	55,0
1202364	H1220893-243200	SN	24	38,0	1 1/2"	32	2-11	107,8	104,0	70,0
1202473	H1220892-323200	TN	32	51,0	2"	32	2-11	128,5	136,0	70,0

1200607 and 1201707: WITHOUT OR

Dimensions shown may be changed without prior notice

// H1220581

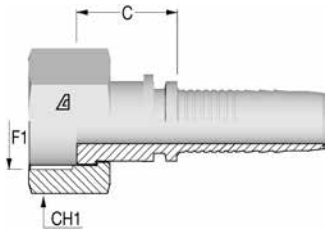
90° Compact BSPP Female 60° Cone
DKR 90



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1202422	H1220581-040400	CR	04	6,0	1/4"	04	1/4-19	16,8	19,5	19,0
1202025	H1220581-060600	CR	06	10,0	3/8"	06	3/8-19	18,8	22,0	22,0
1202026	H1220581-060800	CR	06	10,0	3/8"	08	1/2-14	21,5	22,5	27,0
1202027	H1220581-080800	CR	08	13,0	1/2"	08	1/2-14	22,6	24,5	27,0
1203213	H1220581-121200	CR	12	19,0	3/4"	12	3/4-14	26,7	31,0	32,0
1203330	H1220581-161600	CR	16	25,0	1"	16	1-11	34,5	27,5	38,0

// H1220613

BSPP Female Flat Seat
DKR FD

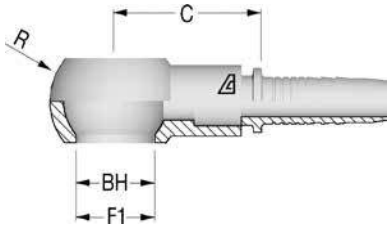


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH1
			Dash	mm	in	Dash Size		mm	mm
1202226	H1220613-040400	SN	04	6,0	1/4"	04	1/4-19	20,3	19,0
1202227	H1220613-060600	SN	06	10,0	3/8"	06	3/8-19	20,3	22,0
1202140	H1220613-060800	SN	06	10,0	3/8"	08	1/2-14	20,8	27,0
1202228	H1220613-080800	SN	08	13,0	1/2"	08	1/2-14	21,6	27,0
1202229	H1220613-081200	SN	08	13,0	1/2"	12	3/4-14	24,6	32,0
1201684	H1220611-101200	CR	10	16,0	5/8"	12	3/4-14	17,6	32,0
1201570	H1220611-121200	CR	12	19,0	3/4"	12	3/4-14	18,1	32,0
1216659	H1220611-121600	CR	12	19,0	3/4"	16	1-11	20,6	38,0
1201384	H1220611-161600	CR	16	25,0	1"	16	1-11	19,9	38,0

Dimensions shown may be changed without prior notice

// H1230310

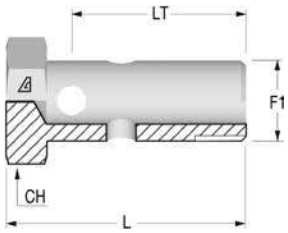
BSPP Banjo
RNR



Item Code	Part Number	ID			F1	C	BH	R
		Dash	mm	in		mm	mm	mm
1203087	H1230310-040200	04	6,0	1/4"	1/8-28	20,0	10,10	17
1203086	H1230310-040400	04	6,0	1/4"	1/4-19	26,5	13,30	22
1216840	H1230310-040600	04	6,0	1/4"	3/8-19	30,5	16,70	28
1201763	H1230310-050600	05	8,0	5/16"	3/8-19	30,5	16,70	28
1201760	H1230310-060600	06	10,0	3/8"	3/8-19	30,5	16,70	28
1201754	H1230310-060800	06	10,0	3/8"	1/2-14	34,5	21,00	38
1216843	H1230310-080600	08	13,0	1/2"	3/8-19	30,5	16,70	28
1203048	H1230310-080800	08	13,0	1/2"	1/2-14	35,0	21,00	38
1203085	H1230310-101000	10	16,0	5/8"	5/8-14	38,0	23,00	40
1200423	H1230310-121200	12	19,0	3/4"	3/4-14	41,5	26,50	46
1203084	H1230310-161600	16	25,0	1"	1-11	50,5	33,30	58

// H10V0210

BSPP Bolt



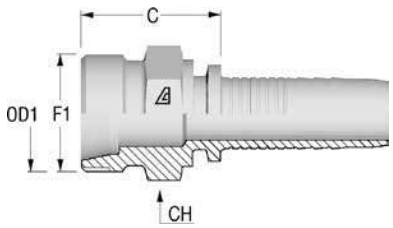
Item Code	Part Number	ID	F1	LT	L	CH
		Dash		mm	mm	mm
1210366	H10V0210-040000	04	1/4-19	25,0	30,0	19,0
1210367	H10V0210-060000	06	3/8-19	31,0	38,0	22,0
1210365	H10V0210-080000	08	1/2-14	38,0	46,0	27,0
1210404	H10V0210-100000	10	5/8-14	42,0	51,0	28,0
1210403	H10V0210-120000	12	3/4-14	47,0	56,0	32,0
1210402	H10V0210-160000	16	1-11	58,0	69,0	38,0

Dimensions shown may be changed without prior notice

// DIN METRIC INSERTS

// H1211110

Metric Male 24° Seat - Light
DIN 3853 - CEL

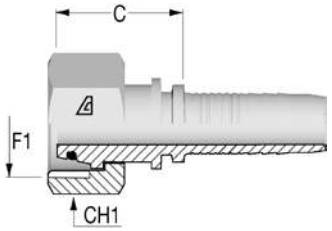


Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH
			Dash	mm	in		mm	mm	mm
1200451	H1211110-031200	NA	03	5,0	3/16"	M12X1.5	6	20,8	14,0
1200481	H1211110-041200	NA	04	6,0	1/4"	M12X1.5	6	21,3	14,0
1200482	H1211110-041400	NA	04	6,0	1/4"	M14X1.5	8	21,3	14,0
1201558	H1211110-041600	NA	04	6,0	1/4"	M16X1.5	10	23,3	17,0
1200518	H1211110-051600	NA	05	8,0	5/16"	M16X1.5	10	23,3	17,0
1201086	H1211110-051800	NA	05	8,0	5/16"	M18X1.5	12	24,3	19,0
1200314	H1211110-061600	NA	06	10,0	3/8"	M16X1.5	10	23,3	17,0
1200315	H1211110-061800	NA	06	10,0	3/8"	M18X1.5	12	24,3	19,0
1200320	H1211110-062200	NA	06	10,0	3/8"	M22X1.5	15	25,3	22,0
1202565	H1211110-081800	NA	08	13,0	1/2"	M18X1.5	12	25,1	19,0
1200358	H1211110-082200	NA	08	13,0	1/2"	M22X1.5	15	26,1	22,0
1200362	H1211110-082600	NA	08	13,0	1/2"	M26X1.5	18	27,1	27,0
1200401	H1211110-102600	NA	10	16,0	5/8"	M26X1.5	18	27,1	27,0
1200432	H1211110-123000	NA	12	19,0	3/4"	M30X2	22	31,6	32,0
1201372	H1211110-163600	NA	16	25,0	1"	M36X2	28	34,4	36,0
1201373	H1211110-204500	NA	20	32,0	1 1/4"	M45X2	35	40,0	46,0
1201374	H1211110-245200	NA	24	38,0	1 1/2"	M52X2	42	42,0	55,0

Dimensions shown may be changed without prior notice

// H1221513

Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL

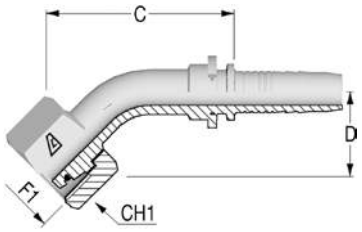


Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH1
			Dash	mm	in		mm	mm	mm
1200595	H1221513-031200	SN	03	5,0	3/16"	M12X1.5	6	23,9	14,0
1202944	H1221511-041200	CR	04	6,0	1/4"	M12X1.5	6	24,8	14,0
1200614	H1221513-041400	SN	04	6,0	1/4"	M14X1.5	8	24,4	17,0
1200609	H1221513-041600	SN	04	6,0	1/4"	M16X1.5	10	25,4	19,0
1201060	H1221513-041800	SN	04	6,0	1/4"	M18X1.5	12	25,4	22,0
1238160	H1221512-051400	TN	05	8,0	5/16"	M14X1.5	8	47,7	17,0
1200642	H1221513-051600	SN	05	8,0	5/16"	M16X1.5	10	25,4	19,0
1200643	H1221513-051800	SN	05	8,0	5/16"	M18X1.5	12	25,4	22,0
1246243	H1221511-061600	CR	06	10,0	3/8"	M16X1.5	3/8"	23,4	19,0
1200667	H1221513-061800	SN	06	10,0	3/8"	M18X1.5	12	25,4	22,0
1200670	H1221513-062200	SN	06	10,0	3/8"	M22X1.5	15	27,4	27,0
1238162	H1221512-081800	TN	08	13,0	1/2"	M18X1.5	12	24,0	22,0
1200707	H1221513-082200	SN	08	13,0	1/2"	M22X1.5	15	28,2	27,0
1201843	H1221513-082600	SN	08	13,0	1/2"	M26X1.5	18	29,2	32,0
1238163	H1221512-102200	TN	10	16,0	5/8"	M22X1.5	15	25,3	27,0
1200736	H1221513-102600	SN	10	16,0	5/8"	M26X1.5	18	29,2	32,0
1239646	H1221512-122600	TN	12	19,0	3/4"	M26X1.5	18	25,5	32,0
1200762	H1221513-123000	SN	12	19,0	3/4"	M30X2	22	31,7	36,0
1220609	H1221513-123600	SN	12	19,0	3/4"	M36X2	28	32,8	41,0
1201593	H1221512-163000	TN	16	25,0	1"	M30X2	22	44,6	36,0
1201385	H1221513-163600	SN	16	25,0	1"	M36X2	28	33,6	41,0
1225980	H1221513-164500	SN	16	25,0	1"	M45X2	35	38,5	50,0
1201386	H1221513-204500	SN	20	32,0	1 1/4"	M45X2	35	40,1	50,0
1201387	H1221513-245200	SN	24	38,0	1 1/2"	M52X2	42	40,5	60,0

Dimensions shown may be changed without prior notice

// H1221543

45° Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL 45
Solid one piece

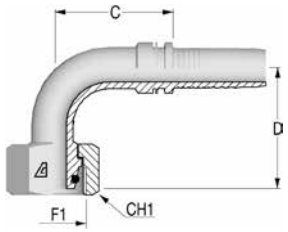


Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in		mm	mm	mm	mm
1200594	H1221543-031200	SN	03	5,0	3/16"	M12X1.5	6	44,9	19,0	14,0
1216676	H1221541-041200	CR	04	6,0	1/4"	M12X1.5	6	45,2	15,5	14,0
1200612	H1221543-041400	SN	04	6,0	1/4"	M14X1.5	8	43,0	17,5	17,0
1201576	H1221543-041600	SN	04	6,0	1/4"	M16X1.5	10	42,0	20,0	19,0
1225984	H1221543-0514B0	SN	05	8,0	5/16"	M14X1.5	8	47,5	20,0	17,0
1200645	H1221543-051600	SN	05	8,0	5/16"	M16X1.5	10	47,5	20,0	19,0
1200646	H1221543-051800	SN	05	8,0	5/16"	M18X1.5	12	47,0	22,0	22,0
1246245	H1221541-061600	CR	06	10,0	3/8"	M16X1.5	10	43,0	19,0	19,0
1200671	H1221543-061800	SN	06	10,0	3/8"	M18X1.5	12	46,8	19,5	22,0
1239971	H1221542-081800	TN	08	13,0	1/2"	M18X1.5	12	52,0	23,0	22,0
1200711	H1221543-082200	SN	08	13,0	1/2"	M22X1.5	15	55,0	21,0	27,0
1200738	H1221543-102600	SN	10	16,0	5/8"	M26X1.5	18	65,3	24,0	32,0
1240723	H1221542-122600	TN	12	19,0	3/4"	M26X1.5	20	77,0	34,0	32,0
1200764	H1221543-123000	SN	12	19,0	3/4"	M30X2	22	69,4	32,0	36,0
1225983	H1221542-163000	TN	16	25,0	1"	M30X2	22	71,1	29,0	36,0
1201390	H1221543-163600	SN	16	25,0	1"	M36X2	28	91,4	32,0	41,0
1201392	H1221543-204500	SN	20	32,0	1 1/4"	M45X2	35	100,0	45,0	50,0
1202128	H1221543-245200	SN	24	38,0	1 1/2"	M52X2	42	114,1	47,0	60,0

Dimensions shown may be changed without prior notice

// H1221593

90° Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL 90
Solid one piece

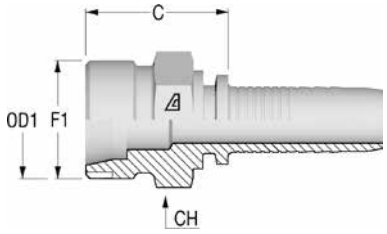


Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in		mm	mm	mm	mm
1200597	H1221593-031200	SN	03	5,0	3/16"	M12X1.5	6	23,6	33,0	14,0
1203240	H1221591-041200	CR	04	6,0	1/4"	M12X1.5	6	29,5	26,0	14,0
1200618	H1221593-041400	SN	04	6,0	1/4"	M14X1.5	8	28,3	32,5	17,0
1200616	H1221593-041600	SN	04	6,0	1/4"	M16X1.5	10	28,3	32,5	19,0
1203218	H1221593-041800	SN	04	6,0	1/4"	M18X1.5	12	28,8	35,0	22,0
1200648	H1221593-051600	SN	05	8,0	5/16"	M16X1.5	10	33,7	38,0	19,0
1200649	H1221593-051800	SN	05	8,0	5/16"	M18X1.5	12	32,2	40,0	22,0
1246244	H1221591-061600	CR	06	10,0	3/8"	M16X1.5	10	36,0	36,0	19,0
1200676	H1221593-061800	SN	06	10,0	3/8"	M18X1.5	12	32,8	39,0	22,0
1200679	H1221593-062200	SN	06	10,0	3/8"	M22X1.5	15	35,8	38,5	27,0
1238173	H1221592-081800	TN	08	13,0	1/2"	M18X1.5	12	42,0	44,0	22,0
1200713	H1221593-082200	SN	08	13,0	1/2"	M22X1.5	15	39,8	40,5	27,0
1203154	H1221593-082600	SN	08	13,0	1/2"	M26X1.5	18	39,8	41,0	32,0
1201292	H1221593-1022B0	SN	10	16,0	5/8"	M22X1.5	15	51,4	47,0	27,0
1200740	H1221593-102600	SN	10	16,0	5/8"	M26X1.5	18	51,4	48,0	32,0
1200742	H1221593-103000	SN	10	16,0	5/8"	M30X2	22	52,4	49,0	36,0
1239736	H1221592-122600	TN	12	19,0	3/4"	M26X1.5	18	60,0	64,0	32,0
1200767	H1221593-123000	SN	12	19,0	3/4"	M30X2	22	52,1	59,0	36,0
1216685	H1221593-123600	SN	12	19,0	3/4"	M36X2	28	60,0	63,0	41,0
1225987	H1221592-163000	TN	16	25,0	1"	M30X2	22	66,0	64,0	36,0
1201391	H1221593-163600	SN	16	25,0	1"	M36X2	28	75,0	68,0	41,0
1216679	H1221592-203600	TN	20	32,0	1 1/4"	M36X2	28	92,2	86,0	41,0
1201393	H1221593-204500	SN	20	32,0	1 1/4"	M45X2	35	90,5	89,0	50,0
1201394	H1221593-245200	SN	24	38,0	1 1/2"	M52X2	42	106,5	97,5	60,0

Dimensions shown may be changed without prior notice

// H1211210

Metric Male 24° Seat - Heavy
DIN 3853 - CES

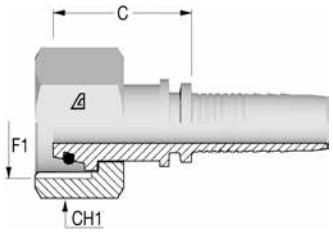


Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH
			Dash	mm	in		mm	mm	mm
1201828	H1211210-041400	NA	04	6,0	1/4"	M14X1.5	6	24,3	17,0
1200485	H1211210-041600	NA	04	6,0	1/4"	M16X1.5	8	24,3	17,0
1200477	H1211210-041800	NA	04	6,0	1/4"	M18X1.5	10	25,3	19,0
1200521	H1211210-052000	NA	05	8,0	5/16"	M20X1.5	12	25,3	22,0
1202267	H1211210-061800	NA	06	10,0	3/8"	M18X1.5	10	25,3	19,0
1200316	H1211210-062000	NA	06	10,0	3/8"	M20X1.5	12	25,3	22,0
1200319	H1211210-062200	NA	06	10,0	3/8"	M22X1.5	14	27,3	22,0
1221728	H1211210-062400	NA	06	10,0	3/8"	M24X1.5	16	28,1	24,0
1202564	H1211210-082200	NA	08	13,0	1/2"	M22X1.5	14	28,1	22,0
1200360	H1211210-082400	NA	08	13,0	1/2"	M24X1.5	16	29,1	24,0
1200364	H1211210-083000	NA	08	13,0	1/2"	M30X2	20	33,1	32,0
1200403	H1211210-103000	NA	10	16,0	5/8"	M30X2	20	33,1	32,0
1202526	H1211210-123000	NA	12	19,0	3/4"	M30X2	20	33,6	32,0
1200434	H1211210-123600	NA	12	19,0	3/4"	M36X2	25	37,6	36,0
1203151	H1211210-163600	NA	16	25,0	1"	M36X2	25	38,4	36,0
1201375	H1211210-164200	NA	16	25,0	1"	M42X2	30	42,4	46,0
1201376	H1211210-205200	NA	20	32,0	1 1/4"	M52X2	38	48,0	55,0

Dimensions shown may be changed without prior notice

// H1221613

Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS

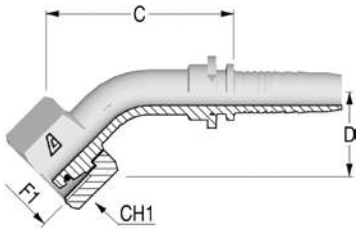


Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH1
			Dash	mm	in		mm	mm	mm
1200596	H1221613-031600	SN	03	5,0	3/16"	M16X1.5	8	27,2	19,0
1201827	H1221613-041400	SN	04	6,0	1/4"	M14X1.5	6	26,4	17,0
1200615	H1221613-041600	SN	04	6,0	1/4"	M16X1.5	8	27,7	19,0
1200610	H1221613-041800	SN	04	6,0	1/4"	M18X1.5	10	27,6	22,0
1201061	H1221613-042000	SN	04	6,0	1/4"	M20X1.5	12	27,6	24,0
1201832	H1221613-051800	SN	05	8,0	5/16"	M18X1.5	10	27,6	22,0
1200644	H1221613-052000	SN	05	8,0	5/16"	M20X1.5	12	27,6	24,0
1239671	H1221612-061600	TN	06	10,0	3/8"	M16X1.5	8	23,2	19,0
1238179	H1221612-061800	TN	06	10,0	3/8"	M18X1.5	10	22,3	22,0
1200668	H1221613-062000	SN	06	10,0	3/8"	M20X1.5	12	27,6	24,0
1200669	H1221613-062200	SN	06	10,0	3/8"	M22X1.5	14	31,1	27,0
1202570	H1221613-062400	SN	06	10,0	3/8"	M24X1.5	16	30,9	30,0
1239650	H1221612-082000	TN	08	13,0	1/2"	M20X1.5	12	23,2	24,0
1218557	H1221613-082200	SN	08	13,0	1/2"	M22X1.5	14	31,9	27,0
1200708	H1221613-082400	SN	08	13,0	1/2"	M24X1.5	16	31,7	30,0
1200710	H1221613-083000	SN	08	13,0	1/2"	M30X2	20	36,5	36,0
1200737	H1221613-103000	SN	10	16,0	5/8"	M30X2	20	36,5	36,0
1201732	H1221613-123000	SN	12	19,0	3/4"	M30X2	20	37,0	36,0
1200763	H1221613-123600	SN	12	19,0	3/4"	M36X2	25	40,2	46,0
1239744	H1221612-163000	TN	16	25,0	1"	M30X2	20	29,8	36,0
1203099	H1221613-163600	SN	16	25,0	1"	M36X2	25	41,0	46,0
1201388	H1221613-164200	SN	16	25,0	1"	M42X2	30	43,1	50,0
1216693	H1221613-204200	SN	20	32,0	1 1/4"	M42X2	30	44,7	50,0
1201389	H1221613-205200	SN	20	32,0	1 1/4"	M52X2	38	48,1	60,0
1216695	H1221613-245200	SN	24	38,0	1 1/2"	M52X2	38	48,1	60,0

Dimensions shown may be changed without prior notice

// H1221643

45° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 45
Solid one piece

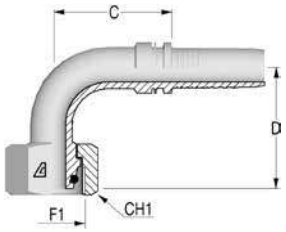


Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in		mm	mm	mm	mm
1216697	H1221643-041400	SN	04	6,0	1/4"	M14X1.5	6	47,0	20,0	17,0
1200613	H1221643-041600	SN	04	6,0	1/4"	M16X1.5	8	48,6	16,0	19,0
1200611	H1221643-041800	SN	04	6,0	1/4"	M18X1.5	10	43,5	19,0	22,0
1240698	H1221643-051800	SN	05	8,0	5/16"	M18X1.5	10	46,0	18,0	22,0
1200647	H1221643-052000	SN	05	8,0	5/16"	M20X1.5	12	48,1	21,0	24,0
1226010	H1221643-0616B0	SN	06	10,0	3/8"	M16X1.5	8	50,6	21,0	19,0
1239968	H1221642-061800	TN	06	10,0	3/8"	M18X1.5	10	47,0	21,0	22,0
1200672	H1221643-062000	SN	06	10,0	3/8"	M20X1.5	12	50,6	20,0	24,0
1200673	H1221643-062200	SN	06	10,0	3/8"	M22X1.5	14	52,9	21,0	27,0
1242602	H1221642-082000	TN	08	13,0	1/2"	M20X1.5	12	54,0	24,0	24,0
1200712	H1221643-082400	SN	08	13,0	1/2"	M24X1.5	16	55,8	21,5	30,0
1201300	H1221643-103000	SN	10	16,0	5/8"	M30X2	20	66,3	30,0	36,0
1202891	H1221643-123000	SN	12	19,0	3/4"	M30X2	20	66,1	29,0	36,0
1200765	H1221643-123600	SN	12	19,0	3/4"	M36X2	25	69,5	33,0	46,0
1203098	H1221643-163600	SN	16	25,0	1"	M36X2	25	89,7	36,0	46,0
1201395	H1221643-164200	SN	16	25,0	1"	M42X2	30	110,3	40,5	50,0
1201398	H1221643-205200	SN	20	32,0	1 1/4"	M52X2	38	109,0	45,0	60,0

Dimensions shown may be changed without prior notice

// H1221693

90° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 90
Solid one piece

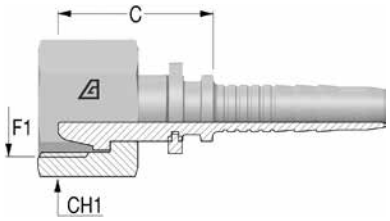


Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in		mm	mm	mm	mm
1201065	H1221693-041400	SN	04	6,0	1/4"	M14X1.5	6	27,3	33,0	17,0
1200619	H1221693-041600	SN	04	6,0	1/4"	M16X1.5	8	27,3	33,0	19,0
1200617	H1221693-041800	SN	04	6,0	1/4"	M18X1.5	10	26,8	34,0	22,0
1216700	H1221693-051800	SN	05	8,0	5/16"	M18X1.5	10	33,2	39,0	22,0
1200650	H1221693-052000	SN	05	8,0	5/16"	M20X1.5	12	33,2	39,0	24,0
1239989	H1221692-061600	TN	06	10,0	3/8"	M16X1.5	8	33,0	38,0	19,0
1239926	H1221692-061800	TN	06	10,0	3/8"	M18X1.5	10	35,0	38,0	22,0
1200677	H1221693-062000	SN	06	10,0	3/8"	M20X1.5	12	34,3	38,5	24,0
1200678	H1221693-062200	SN	06	10,0	3/8"	M22X1.5	14	34,3	40,5	27,0
1240110	H1221692-082000	TN	08	13,0	1/2"	M20X1.5	12	40,0	45,0	24,0
1200714	H1221693-082400	SN	08	13,0	1/2"	M24X1.5	16	39,8	41,5	30,0
1201253	H1221693-083000	SN	08	13,0	1/2"	M30X2	20	45,8	50,0	36,0
1240088	H1221692-102400	TN	10	16,0	5/8"	M24X1.5	16	52,0	56,0	30,0
1200741	H1221693-103000	SN	10	16,0	5/8"	M30X2	20	47,9	55,0	36,0
1200766	H1221693-123000	SN	12	19,0	3/4"	M30X2	20	50,6	58,0	36,0
1200768	H1221693-123600	SN	12	19,0	3/4"	M36X2	25	50,6	59,5	46,0
1203097	H1221693-163600	SN	16	25,0	1"	M36X2	25	77,6	73,5	46,0
1201396	H1221693-164200	SN	16	25,0	1"	M42X2	30	75,6	79,0	50,0
1203096	H1221693-204200	SN	20	32,0	1 1/4"	M42X2	30	95,0	88,0	50,0
1201397	H1221693-205200	SN	20	32,0	1 1/4"	M52X2	38	94,0	92,0	60,0

Dimensions shown may be changed without prior notice

// H1221313

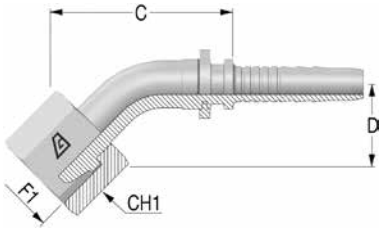
Universal Metric Female



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH1
			Dash	mm	in	Dash Size		mm	mm
1200631	H1221313-041400	SN	04	6,0	1/4"	14	M14X1.5	22,3	17,0
1200632	H1221313-041600	SN	04	6,0	1/4"	16	M16X1.5	21,8	19,0
1200633	H1221313-041800	SN	04	6,0	1/4"	18	M18X1.5	22,3	22,0
1200658	H1221313-051600	SN	05	8,0	5/16"	16	M16X1.5	22,3	19,0
1200659	H1221313-051800	SN	05	8,0	5/16"	18	M18X1.5	22,3	22,0
1200698	H1221313-061800	SN	06	10,0	3/8"	18	M18X1.5	22,3	22,0
1200729	H1221313-082200	SN	08	13,0	1/2"	22	M22X1.5	24,7	27,0
1200753	H1221313-102600	SN	10	16,0	5/8"	26	M26X1.5	25,1	32,0

// H1221343

45° Universal Metric Female

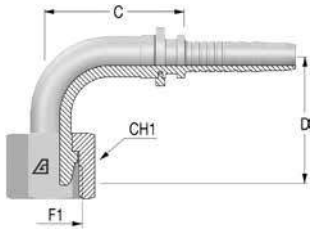


Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1216669	H1221343-041400	SN	04	6,0	1/4"	14	M14X1.5	36,5	16,0	17,0
1200660	H1221343-051600	SN	05	8,0	5/16"	16	M16X1.5	42,1	19,0	19,0
1201450	H1221343-061800	SN	06	10,0	3/8"	18	M18X1.5	42,8	20,0	22,0
1225972	H1221343-082200	SN	08	13,0	1/2"	22	M22X1.5	54,9	20,0	27,0
1225973	H1221343-102600	SN	10	16,0	5/8"	26	M26X1.5	54,0	22,0	32,0

Dimensions shown may be changed without prior notice

// H1221393

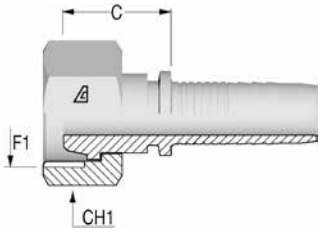
90° Universal Metric Female



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1225975	H1221393-041400	SN	04	6,0	1/4"	14	M14X1.5	29,9	28,5	17,0
1201452	H1221393-041600	SN	04	6,0	1/4"	16	M16X1.5	28,3	33,0	19,0
1200661	H1221393-051600	SN	05	8,0	5/16"	16	M16X1.5	34,2	36,0	19,0
1201323	H1221393-051800	SN	05	8,0	5/16"	18	M18X1.5	34,0	32,0	22,0
1200701	H1221393-061800	SN	06	10,0	3/8"	18	M18X1.5	32,8	37,0	22,0
1201580	H1221393-062200	SN	06	10,0	3/8"	22	M22X1.5	32,3	36,0	27,0
1200730	H1221393-082200	SN	08	13,0	1/2"	22	M22X1.5	39,8	40,0	27,0
1216672	H1221393-102600	SN	10	16,0	5/8"	26	M26X1.5	51,0	46,0	32,0

// H1221013

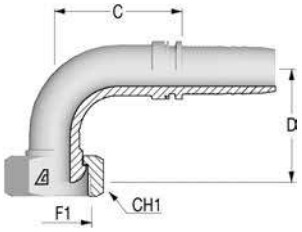
Metric Female 60° Cone - DIN 3863



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH1
			Dash	mm	in	Dash Size		mm	mm
1200759	H1221013-123000	SN	12	19,0	3/4"	30	M30X1.5	21,6	36,0
1201572	H1221013-163800	SN	16	25,0	1"	38	M38X1.5	28,0	46,0

// H1221093

90° Metric Female 60° Cone - DIN 3863
Solid one piece

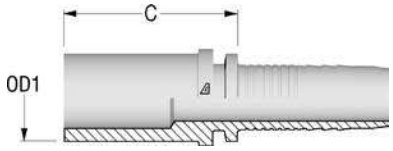


Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1202056	H1221093-123000	SN	12	19,0	3/4"	30	M30X1.5	54,6	47,0	36,0
1201620	H1221093-163800	SN	16	25,0	1"	38	M38X1.5	72,6	60,0	46,0

Dimensions shown may be changed without prior notice

// H1252010

Metric Straight Standpipe - DIN 2353
RSL/RSS

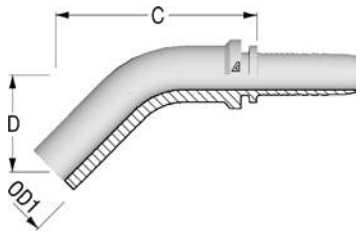


Item Code	Part Number	ID			OD1	C
		Dash	mm	in	mm	mm
1200855	H1252010-030600	03	5,0	3/16"	6	27,8
1200856	H1252010-030800	03	5,0	3/16"	8	29,8
1200865	H1252010-040600	04	6,0	1/4"	6	28,3
1200867	H1252010-040800	04	6,0	1/4"	8	30,2
1200859	H1252010-041000	04	6,0	1/4"	10	32,2
1200860	H1252010-041200	04	6,0	1/4"	12	31,2
1200878	H1252010-050800	05	8,0	5/16"	8	30,3
1200871	H1252010-051000	05	8,0	5/16"	10	30,2
1200872	H1252010-051200	05	8,0	5/16"	12	32,7
1200793	H1252010-061000	06	10,0	3/8"	10	30,3
1200794	H1252010-061200	06	10,0	3/8"	12	29,3
1200796	H1252010-061400	06	10,0	3/8"	14	35,8
1200797	H1252010-061500	06	10,0	3/8"	15	34,8
1216922	H1252010-081000	08	13,0	1/2"	10	32,5
1200809	H1252010-081200	08	13,0	1/2"	12	32,1
1200811	H1252010-081400	08	13,0	1/2"	14	36,1
1200812	H1252010-081500	08	13,0	1/2"	15	32,1
1200813	H1252010-081600	08	13,0	1/2"	16	37,1
1200815	H1252010-081800	08	13,0	1/2"	18	36,0
1200828	H1252010-101800	10	16,0	5/8"	18	34,2
1200829	H1252010-102000	10	16,0	5/8"	20	44,2
1200832	H1252010-102200	10	16,0	5/8"	22	37,2
1200838	H1252010-122000	12	19,0	3/4"	20	45,5
1200840	H1252010-122200	12	19,0	3/4"	22	36,5
1200841	H1252010-122500	12	19,0	3/4"	25	48,5
1201442	H1252010-162500	16	25,0	1"	25	51,4
1201440	H1252010-162800	16	25,0	1"	28	40,4
1201441	H1252010-163000	16	25,0	1"	30	54,4
1214227	H1252010-163800	16	25,0	1"	38	60,4
1214228	H1252010-203000	20	32,0	1 1/4"	30	56,0
1201443	H1252010-203500	20	32,0	1 1/4"	35	48,0
1201444	H1252010-203800	20	32,0	1 1/4"	38	62,0
1203082	H1252010-243800	24	38,0	1 1/2"	38	62,0
1201445	H1252010-244200	24	38,0	1 1/2"	42	52,0

Dimensions shown may be changed without prior notice

// H1252040

45° Metric Standpipe
RSL 45/RSS 45 - DIN 2353
Solid one piece

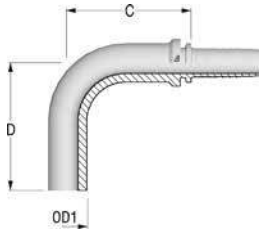


Item Code	Part Number	ID			OD1	C	D Drop
		Dash	mm	in	mm	mm	mm
1200863	H1252040-040600	04	6,0	1/4"	6	50,1	28,0
1200864	H1252040-040800	04	6,0	1/4"	8	43,2	23,0
1200862	H1252040-041000	04	6,0	1/4"	10	48,0	24,0
1200876	H1252040-051000	05	8,0	5/16"	10	48,4	24,0
1200877	H1252040-051200	05	8,0	5/16"	12	55,4	28,0
1200800	H1252040-061000	06	10,0	3/8"	10	48,5	24,0
1200801	H1252040-061200	06	10,0	3/8"	12	55,5	28,0
1200802	H1252040-061400	06	10,0	3/8"	14	53,1	28,0
1200817	H1252040-081500	08	13,0	1/2"	15	62,6	28,5
1200818	H1252040-081600	08	13,0	1/2"	16	63,3	32,0
1200843	H1252040-122200	12	19,0	3/4"	22	74,3	37,0
1200844	H1252040-122500	12	19,0	3/4"	25	83,0	44,0
1214232	H1252040-163000	16	25,0	1"	30	137,0	46,1

Dimensions shown may be changed without prior notice

// H1252090

90° Metric Standpipe
RSL 90/RSS 90 - DIN 2353
Solid one piece

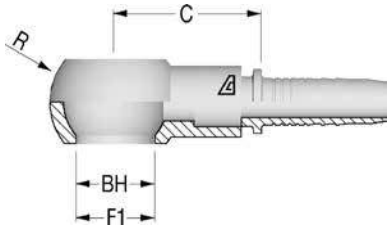


Item Code	Part Number	ID			OD1	C	D Drop
		Dash	mm	in	mm	mm	mm
1200857	H1252090-030600	03	5,0	3/16"	6	24,5	36,0
1200869	H1252090-040600	04	6,0	1/4"	6	25,4	36,0
1200870	H1252090-040800	04	6,0	1/4"	8	25,9	44,0
1200868	H1252090-041000	04	6,0	1/4"	10	37,0	42,0
1202296	H1252090-041200	04	6,0	1/4"	12	38,0	50,0
1200879	H1252090-051000	05	8,0	5/16"	10	28,6	48,5
1200880	H1252090-051200	05	8,0	5/16"	12	39,4	55,0
1200803	H1252090-061000	06	10,0	3/8"	10	30,7	42,0
1200804	H1252090-061200	06	10,0	3/8"	14	35,0	50,0
1200805	H1252090-061400	06	10,0	3/8"	14	37,0	50,0
1218454	H1252090-081200	08	13,0	1/2"	12	41,1	52,0
1200822	H1252090-081500	08	13,0	1/2"	15	44,7	57,0
1200823	H1252090-081600	08	13,0	1/2"	16	43,7	64,0
1203079	H1252090-081800	08	13,0	1/2"	18	58,1	59,0
1200835	H1252090-101800	10	16,0	5/8"	18	52,2	58,0
1200836	H1252090-102000	10	16,0	5/8"	20	62,6	70,0
1210832	H1252090-102200	10	16,0	5/8"	22	49,4	64,0
1203081	H1252090-122000	12	19,0	3/4"	20	63,4	70,0
1200846	H1252090-122200	12	19,0	3/4"	22	53,1	67,5
1200847	H1252090-122500	12	19,0	3/4"	25	63,2	85,0
1214233	H1252090-162500	16	25,0	1"	25	73,1	98,5
1202886	H1252090-162800	16	25,0	1"	28	73,1	89,5
1214234	H1252090-163000	16	25,0	1"	30	73,1	102,5
1214235	H1252090-203500	20	32,0	1 1/4"	35	89,0	106,5

Dimensions shown may be changed without prior notice

// H1230910

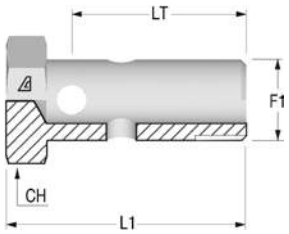
Metric Banjo
RNM



Item Code	Part Number	ID			F1	C	BH	R
		Dash	mm	in		mm	mm	mm
1202577	H1230910-031000	03	5,0	3/16"	M10X1.0	24,0	10,00	17
1200468	H1230910-041000	04	6,0	1/4"	M10X1.0	25,0	10,00	17
1200469	H1230910-041200	04	6,0	1/4"	M12X1.5	28,5	12,00	20
1200470	H1230910-041400	04	6,0	1/4"	M14X1.5	27,5	14,00	24
1200513	H1230910-051200	05	8,0	5/16"	M12X1.5	28,5	12,00	24
1200514	H1230910-051400	05	8,0	5/16"	M14X1.5	27,5	14,00	24
1200515	H1230910-051600	05	8,0	5/16"	M16X1.5	30,5	16,00	28
1200516	H1230910-051800	05	8,0	5/16"	M18X1.5	28,5	18,00	32
1200309	H1230910-061400	06	10,0	3/8"	M14X1.5	27,5	14,00	24
1200310	H1230910-061600	06	10,0	3/8"	M16X1.5	30,5	16,00	28
1200311	H1230910-061800	06	10,0	3/8"	M18X1.5	31,5	18,00	32
1200346	H1230910-081800	08	13,0	1/2"	M18X1.5	32,0	18,00	32
1200347	H1230910-082200	08	13,0	1/2"	M22X1.5	35,0	22,00	39
1200389	H1230910-102200	10	16,0	5/8"	M22X1.5	35,0	22,00	39
1200422	H1230910-122600	12	19,0	3/4"	M26X1.5	38,5	26,00	46
1203083	H1230910-163000	16	25,0	1"	M30X1.5	42,5	30,00	54

// H10V0810

Metric Bolt



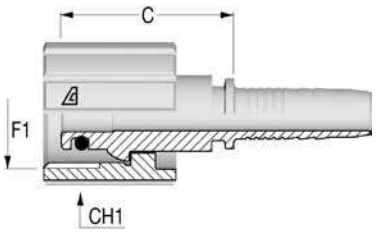
Item Code	Part Number	ID	F1	LT	L	CH
		Dash		mm	mm	mm
1210374	H10V0810-100000	10	M10X1.0	19,0	24,0	14,0
1210375	H10V0810-120000	12	M12X1.5	24,0	29,0	17,0
1210368	H10V0810-140000	14	M14X1.5	28,0	34,0	19,0
1210384	H10V0810-160000	16	M16X1.5	34,0	41,0	22,0
1210369	H10V0810-180000	18	M18X1.5	37,0	44,0	24,0
1210371	H10V0810-220000	22	M22X1.5	41,0	48,0	27,0
1210406	H10V0810-260000	26	M26X1.5	42,0	52,0	32,0
1210405	H10V0810-300000	30	M30X1.5	51,0	62,0	38,0

Dimensions shown may be changed without prior notice

// PRESSURE WASHER

// H1224914

Universal Female for Pressure Washer



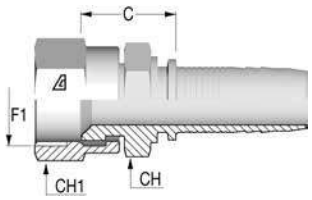
Item Code	Part Number	Nut Type	ID			F1	F1	C	CH1
			Dash	mm	in	Dash Size		mm	mm
1203350	H1224914-042200	TN	04	6,0	1/4"	22	M22X1.5	36,8	35,0
1203351	H1224914-052200	TN	05	8,0	5/16"	22	M22X1.5	36,8	35,0
1203352	H1224914-062200	TN	06	10,0	3/8"	22	M22X1.5	36,8	35,0

Dimensions shown may be changed without prior notice

// SAE INSERTS

// H1226611

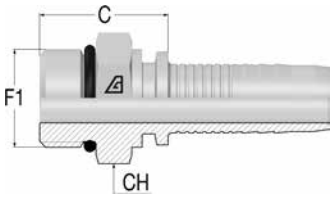
SAE Female Swivel 45° Seat



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1202661	H1226611-060600	CR	06	10,0	3/8"	06	5/8-18	23,3	19,0	22,0
1226098	H1226611-081000	CR	08	13,0	1/2"	10	7/8-14	26,6	22,0	27,0
1202371	H1226611-121200	CR	12	19,0	3/4"	12	1 1/16-14	28,6	27,0	32,0

// H1213010

SAE Male Solid
O-Ring Boss

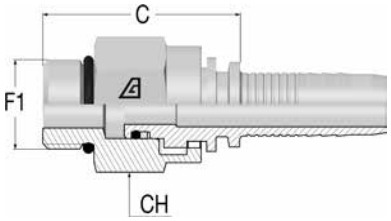


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1203147	H1213010-040400	NA	04	6,0	1/4"	04	7/16-20	20,3	14,0
1201833	H1213010-040500	NA	04	6,0	1/4"	05	1/2-20	21,3	16,0
1202519	H1213010-040600	NA	04	6,0	1/4"	06	9/16-18	22,3	17,0
1201834	H1213010-060600	NA	06	10,0	3/8"	06	9/16-18	23,3	19,0
1200337	H1213010-060800	NA	06	10,0	3/8"	08	3/4-16	24,3	22,0
1200338	H1213010-061000	NA	06	10,0	3/8"	10	7/8-14	26,8	27,0
1200382	H1213010-080800	NA	08	13,0	1/2"	08	3/4-16	25,1	22,0
1200383	H1213010-081000	NA	08	13,0	1/2"	10	7/8-14	27,6	27,0
1200381	H1213010-081200	NA	08	13,0	1/2"	12	1 1/16-12	32,1	32,0
1221652	H1213010-101000	NA	10	16,0	5/8"	10	7/8-14	27,6	24,0
1203146	H1213010-121000	NA	12	19,0	3/4"	10	7/8-14	28,1	27,0
1200445	H1213010-121200	NA	12	19,0	3/4"	12	1 1/16-12	32,6	32,0
1201836	H1213010-161600	NA	16	25,0	1"	16	1 5/16-12	35,4	38,0
1225859	H1213010-202000	NA	20	32,0	1 1/4"	20	1 5/8-12	39,0	46,0

Dimensions shown may be changed without prior notice

// H1213011

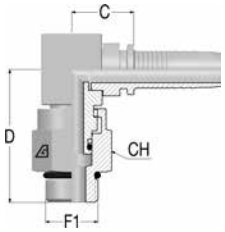
SAE Male Swivel
O-Ring Boss



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1225927	H1213011-060600	CR	06	10,0	3/8"	06	9/16-18	40,5	22,0
1225928	H1213011-060800	CR	06	10,0	3/8"	08	3/4-16	22,0	22,0
1225929	H1213011-080800	CR	08	13,0	1/2"	08	3/4-16	23,0	25,0
1225930	H1213011-081000	CR	08	13,0	1/2"	10	7/8-14	23,0	25,0
1230553	H1213011-121200	CR	12	19,0	3/4"	12	1 1/16-12	49,6	32,0

// H1213081

90° Compact SAE Male Swivel
O-Ring Boss



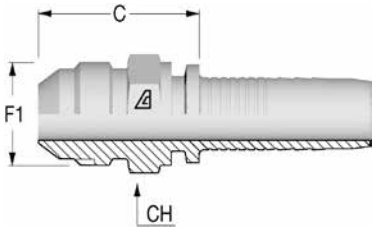
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH
			Dash	mm	in	Dash Size		mm	mm	mm
1226490	H1213081-040500	CR	04	6,0	1/4"	05	1/2-20	17,0	34,0	17,0
1225933	H1213081-060800	CR	06	10,0	3/8"	08	3/4-16	22,0	44,0	25,0
1225934	H1213081-080800	CR	08	13,0	1/2"	08	3/4-16	23,0	47,0	25,0
1225935	H1213081-081000	CR	08	13,0	1/2"	10	7/8-14	23,0	49,0	25,0
1226492	H1213081-121200	CR	12	19,0	3/4"	12	1 1/16-12	27,0	61,0	32,0
1240593	H1213081-161600	CR	16	25,0	1"	16	1 5/16-12	34,4	67,5	41,0

Dimensions shown may be changed without prior notice

// JIC 37° INSERTS

// H1212510

JIC Male 37° Cone
AGJ

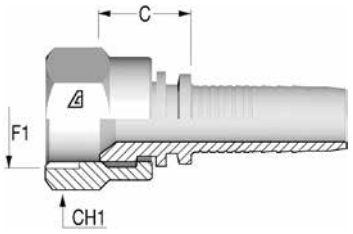


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1200457	H1212510-030400	NA	03	5,0	3/16"	04	7/16-20	23,8	12,0
1200500	H1212510-040400	NA	04	6,0	1/4"	04	7/16-20	25,3	12,0
1200499	H1212510-040500	NA	04	6,0	1/4"	05	1/2-20	25,3	14,0
1200501	H1212510-040600	NA	04	6,0	1/4"	06	9/16-18	26,3	17,0
1200534	H1212510-050500	NA	05	8,0	5/16"	05	1/2-20	25,3	14,0
1200535	H1212510-050600	NA	05	8,0	5/16"	06	9/16-18	26,3	17,0
1201087	H1212510-050800	NA	05	8,0	5/16"	08	3/4-16	29,8	19,0
1200332	H1212510-060600	NA	06	10,0	3/8"	06	9/16-18	26,3	17,0
1200330	H1212510-060800	NA	06	10,0	3/8"	08	3/4-16	29,8	19,0
1200331	H1212510-061000	NA	06	10,0	3/8"	10	7/8-14	33,8	24,0
1200375	H1212510-080800	NA	08	13,0	1/2"	08	3/4-16	30,6	19,0
1200376	H1212510-081000	NA	08	13,0	1/2"	10	7/8-14	34,6	24,0
1200374	H1212510-081200	NA	08	13,0	1/2"	12	1 1/16-12	37,1	27,0
1200413	H1212510-101000	NA	10	16,0	5/8"	10	7/8-14	34,6	24,0
1200411	H1212510-101200	NA	10	16,0	5/8"	12	1 1/16-12	37,1	27,0
1200441	H1212510-121200	NA	12	19,0	3/4"	12	1 1/16-12	37,6	27,0
1200442	H1212510-121400	NA	12	19,0	3/4"	14	1 3/16-12	40,1	32,0
1200443	H1212510-121600	NA	12	19,0	3/4"	16	1 5/16-12	42,6	36,0
1222989	H1212510-161200	NA	16	25,0	1"	12	1 1/16-12	40,4	32,0
1201379	H1212510-161600	NA	16	25,0	1"	16	1 5/16-12	43,4	36,0
1201380	H1212510-162000	NA	16	25,0	1"	20	1 5/8-12	46,9	46,0
1201381	H1212510-202000	NA	20	32,0	1 1/4"	20	1 5/8-12	48,5	46,0
1201785	H1212510-202400	NA	20	32,0	1 1/4"	24	1 7/8-12	52,5	50,0
1201382	H1212510-242400	NA	24	38,0	1 1/2"	24	1 7/8-12	52,5	50,0
1201383	H1212510-323200	NA	32	51,0	2"	32	2 1/2-12	62,0	65,0

Dimensions shown may be changed without prior notice

// H1222511

JIC Female 37° Seat
DKJ

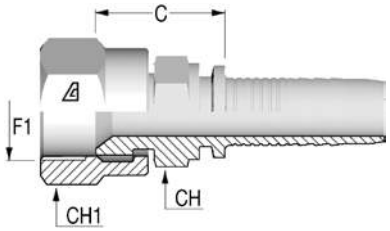


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH1
			Dash	mm	in	Dash Size		mm	mm
1200600	H1222511-030400	CR	03	5,0	3/16"	04	7/16-20	14,3	16,0
1200625	H1222511-040400	CR	04	6,0	1/4"	04	7/16-20	14,6	16,0
1200623	H1222511-040500	CR	04	6,0	1/4"	05	1/2-20	15,3	17,0
1200626	H1222511-040600	CR	04	6,0	1/4"	06	9/16-18	15,3	19,0
1200655	H1222511-050500	CR	05	8,0	5/16"	05	1/2-20	15,3	17,0
1200656	H1222511-050600	CR	05	8,0	5/16"	06	9/16-18	15,3	19,0
1200691	H1222511-060600	CR	06	10,0	3/8"	06	9/16-18	15,3	19,0
1200687	H1222511-060800	CR	06	10,0	3/8"	08	3/4-16	17,8	25,0
1200690	H1222511-061000	CR	06	10,0	3/8"	10	7/8-14	20,3	27,0
1200723	H1222511-080800	CR	08	13,0	1/2"	08	3/4-16	18,6	25,0
1200725	H1222511-081000	CR	08	13,0	1/2"	10	7/8-14	19,6	27,0
1200722	H1222511-081200	CR	08	13,0	1/2"	12	1 1/16-12	22,1	32,0
1200751	H1222511-101000	CR	10	16,0	5/8"	10	7/8-14	19,6	27,0
1200749	H1222511-101200	CR	10	16,0	5/8"	12	1 1/16-12	20,1	32,0
1201841	H1222511-121000	CR	12	19,0	3/4"	10	7/8-14	20,1	27,0
1200774	H1222511-121200	CR	12	19,0	3/4"	12	1 1/16-12	20,6	32,0
1200775	H1222511-121400	CR	12	19,0	3/4"	14	1 3/16-12	19,9	36,0
1200776	H1222511-121600	CR	12	19,0	3/4"	16	1 5/16-12	22,1	38,0
1201399	H1222511-161200	CR	16	25,0	1"	12	1 1/16-12	22,4	32,0
1201400	H1222511-161600	CR	16	25,0	1"	16	1 5/16-12	23,9	38,0
1201401	H1222512-162000	TN	16	25,0	1"	20	1 5/8-12	26,5	50,0
1202820	H1222511-201600	CR	20	32,0	1 1/4"	16	1 5/16-12	26,5	38,0
1201402	H1222512-202000	TN	20	32,0	1 1/4"	20	1 5/8-12	28,1	50,0
1201403	H1222512-202400	TN	20	32,0	1 1/4"	24	1 7/8-12	30,4	55,0
1201097	H1222512-242400	TN	24	38,0	1 1/2"	24	1 7/8-12	29,4	55,0
1201404	H1222512-323200	TN	32	51,0	2"	32	2 1/2-12	32,0	70,0

Dimensions shown may be changed without prior notice

// H1226511

JIC Female 37° Seat with Stem Hexagon DKJ

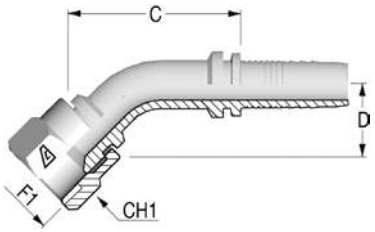


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1200599	H1226511-030400	CR	03	5,0	3/16"	04	7/16-20	18,1	12,0	16,0
1200621	H1226511-040400	CR	04	6,0	1/4"	04	7/16-20	18,3	14,0	16,0
1202406	H1226511-040500	CR	04	6,0	1/4"	05	1/2-20	20,3	14,0	17,0
1200622	H1226511-040600	CR	04	6,0	1/4"	06	9/16-18	20,3	14,0	19,0
1201497	H1226511-050500	CR	05	8,0	5/16"	05	1/2-20	20,3	14,0	17,0
1201264	H1226511-050600	CR	05	8,0	5/16"	06	9/16-18	20,3	14,0	19,0
1203246	H1226511-060400	CR	06	10,0	3/8"	04	7/16-20	20,6	17,0	16,0
1223146	H1226511-060500	CR	06	10,0	3/8"	05	1/2-20	21,3	16,0	17,0
1200686	H1226511-060600	CR	06	10,0	3/8"	06	9/16-18	21,3	17,0	19,0
1200685	H1226511-060800	CR	06	10,0	3/8"	08	3/4-16	24,8	19,0	25,0
1201340	H1226511-061000	CR	06	10,0	3/8"	10	7/8-14	25,8	22,0	27,0
1203090	H1226511-080600	CR	08	13,0	1/2"	06	9/16-18	23,1	19,0	19,0
1200720	H1226511-080800	CR	08	13,0	1/2"	08	3/4-16	25,6	19,0	25,0
1200721	H1226511-081000	CR	08	13,0	1/2"	10	7/8-14	26,6	22,0	27,0
1210833	H1226511-081200	CR	08	13,0	1/2"	12	1 1/16-12	28,1	25,0	32,0
1203329	H1226511-100800	CR	10	16,0	5/8"	08	3/4-16	26,6	24,0	25,0
1201728	H1226511-101000	CR	10	16,0	5/8"	10	7/8-14	27,6	24,0	27,0
1201464	H1226511-101200	CR	10	16,0	5/8"	12	1 1/16-12	28,1	25,0	32,0
1202895	H1226511-121000	CR	12	19,0	3/4"	10	7/8-14	28,1	27,0	27,0
1201333	H1226511-121200	CR	12	19,0	3/4"	12	1 1/16-12	28,6	27,0	32,0
1214219	H1226511-121400	CR	12	19,0	3/4"	14	1 3/16-12	29,9	32,0	36,0
1203089	H1226511-121600	CR	12	19,0	3/4"	16	1 5/16-12	32,1	32,0	38,0
1203243	H1226511-141600	CR	14	22,0	7/8"	16	1 5/16-12	32,1	32,0	38,0
1203088	H1226511-161200	CR	16	25,0	1"	12	1 1/16-12	31,4	32,0	32,0
1202408	H1226511-161600	CR	16	25,0	1"	16	1 5/16-12	32,9	32,0	38,0
1214220	H1226512-162000	TN	16	25,0	1"	20	1 5/8-12	37,5	41,0	50,0
1216813	H1226512-182000	TN	-	29,0	1 1/8"	20	1 5/8-12	37,5	41,0	50,0
1216812	H1226511-201600	CR	20	32,0	1 1/4"	16	1 5/16-12	37,5	41,0	38,0
1202483	H1226512-202000	TN	20	32,0	1 1/4"	20	1 5/8-12	39,1	41,0	50,0
1226093	H1226512-202400	TN	20	32,0	1 1/4"	24	1 7/8-12	43,4	50,0	55,0
1216814	H1226512-222400	TN	-	35,0	1 3/8"	24	1 7/8-12	43,4	50,0	55,0
1216815	H1226512-242400	TN	24	38,0	1 1/2"	24	1 7/8-12	43,4	50,0	55,0
1216816	H1226512-323200	TN	32	51,0	2"	32	2 1/2-12	49,0	65,0	70,0

Dimensions shown may be changed without prior notice

// H1222541-M

45° JIC Female 37° Seat - Medium Drop
DKJ 45M
Solid one piece

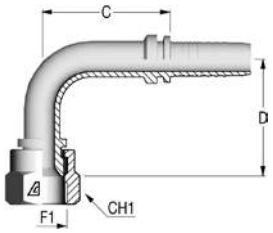


Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1202821	H1222541-03040M	CR	03	5,0	3/16"	04	7/16-20	37,1	10,0	16,0
1202822	H1222541-04040M	CR	04	6,0	1/4"	04	7/16-20	36,6	10,0	16,0
1202823	H1222541-04050M	CR	04	6,0	1/4"	05	1/2-20	37,2	12,0	17,0
1202824	H1222541-04060M	CR	04	6,0	1/4"	06	9/16-18	39,4	11,0	19,0
1202825	H1222541-05050M	CR	05	8,0	5/16"	05	1/2-20	39,8	12,0	17,0
1202826	H1222541-05060M	CR	05	8,0	5/16"	06	9/16-18	42,8	12,0	19,0
1202827	H1222541-06060M	CR	06	10,0	3/8"	06	9/16-18	46,3	11,0	19,0
1202791	H1222541-06080M	CR	06	10,0	3/8"	08	3/4-16	47,2	15,0	25,0
1202828	H1222541-08080M	CR	08	13,0	1/2"	08	3/4-16	51,6	15,0	25,0
1202829	H1222541-08100M	CR	08	13,0	1/2"	10	7/8-14	50,7	16,0	27,0
1202830	H1222541-08120M	CR	08	13,0	1/2"	12	1 1/16-12	57,0	21,0	32,0
1202832	H1222541-10100M	CR	10	16,0	5/8"	10	7/8-14	62,2	19,0	27,0
1202831	H1222541-10120M	CR	10	16,0	5/8"	12	1 1/16-12	68,6	21,0	32,0
1202833	H1222541-12120M	CR	12	19,0	3/4"	12	1 1/16-12	67,5	21,0	32,0
1200778	H1222541-121400	CR	12	19,0	3/4"	14	1 3/16-12	67,6	23,0	36,0
1202834	H1222541-12160M	CR	12	19,0	3/4"	16	1 5/16-12	71,4	26,0	38,0
1202835	H1222541-16160M	CR	16	25,0	1"	16	1 5/16-12	79,4	24,0	38,0
1202836	H1222542-16200M	TN	16	25,0	1"	20	1 5/8-12	83,8	37,0	50,0
1202837	H1222542-20200M	TN	20	32,0	1 1/4"	20	1 5/8-12	97,1	37,0	50,0
1202839	H1222542-24240M	TN	24	38,0	1 1/2"	24	1 7/8-12	112,7	43,0	55,0
1202840	H1222542-32320M	TN	32	51,0	2"	32	2 1/2-12	159,9	67,0	70,0

Dimensions shown may be changed without prior notice

// H1222591-S

90° JIC Female 37° Seat - Short Drop
DKJ 90S
Solid one piece

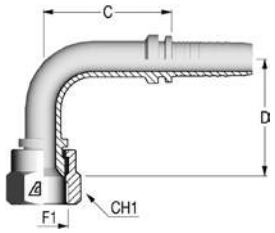


Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1202841	H1222591-03040S	CR	03	5,0	3/16"	04	7/16-20	26,7	21,0	16,0
1202772	H1222591-04040S	CR	04	6,0	1/4"	04	7/16-20	27,0	21,0	16,0
1203118	H1222591-04050S	CR	04	6,0	1/4"	05	1/2-20	26,5	23,5	17,0
1202788	H1222591-04060S	CR	04	6,0	1/4"	06	9/16-18	31,0	23,0	19,0
1203116	H1222591-05060S	CR	05	8,0	5/16"	06	9/16-18	42,7	23,0	19,0
1216771	H1222591-06050S	CR	06	10,0	3/8"	05	1/2-20	33,3	25,0	17,0
1203032	H1222591-06060S	CR	06	10,0	3/8"	06	9/16-18	42,3	25,0	19,0
1203033	H1222591-06080S	CR	06	10,0	3/8"	08	3/4-16	48,8	29,0	25,0
1203034	H1222591-08080S	CR	08	13,0	1/2"	08	3/4-16	46,4	29,0	25,0
1202815	H1222591-08100S	CR	08	13,0	1/2"	10	7/8-14	45,8	32,0	27,0
1202744	H1222591-08120S	CR	08	13,0	1/2"	12	1 1/16-12	37,3	46,0	32,0
1203035	H1222591-1010BS	CR	10	16,0	5/8"	10	7/8-14	36,5	32,0	27,0
1202745	H1222591-10120S	CR	10	16,0	5/8"	12	1 1/16-12	47,9	48,0	32,0
1202845	H1222591-12120S	CR	12	19,0	3/4"	12	1 1/16-12	58,2	46,0	32,0
1200780	H1222591-12140S	CR	12	19,0	3/4"	14	1 3/16-12	49,6	52,5	36,0
1202846	H1222591-12160S	CR	12	19,0	3/4"	16	1 5/16-12	53,6	53,0	38,0
1203036	H1222591-16160S	CR	16	25,0	1"	16	1 5/16-12	74,0	56,0	38,0

Dimensions shown may be changed without prior notice

// H1222591-M

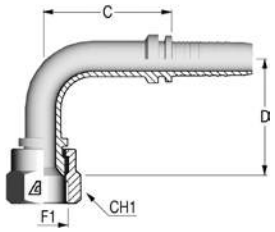
90° JIC Female 37° Seat - Medium Drop
DKJ 90M
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1202792	H1222591-03040M	CR	03	5,0	3/16"	04	7/16-20	33,5	32,0	16,0
1202739	H1222591-04040M	CR	04	6,0	1/4"	04	7/16-20	34,2	32,0	16,0
1202740	H1222591-04050M	CR	04	6,0	1/4"	05	1/2-20	25,7	30,0	17,0
1202793	H1222591-04060M	CR	04	6,0	1/4"	06	9/16-18	28,5	38,0	19,0
1202794	H1222591-05050M	CR	05	8,0	5/16"	05	1/2-20	34,2	32,0	17,0
1202731	H1222591-05060M	CR	05	8,0	5/16"	06	9/16-18	33,2	35,0	19,0
1202742	H1222591-06060M	CR	06	10,0	3/8"	06	9/16-18	31,3	35,0	19,0
1202732	H1222591-06080M	CR	06	10,0	3/8"	08	3/4-16	39,5	41,0	25,0
1200693	H1222591-06100M	CR	06	10,0	3/8"	10	7/8-14	44,6	47,0	27,0
1202743	H1222591-08080M	CR	08	13,0	1/2"	08	3/4-16	37,2	40,0	25,0
1202741	H1222591-08100M	CR	08	13,0	1/2"	10	7/8-14	43,3	47,0	27,0
1202844	H1222591-10100M	CR	10	16,0	5/8"	10	7/8-14	49,4	48,0	27,0
1216778	H1222591-10120M	CR	10	16,0	5/8"	12	1 1/16-12	47,9	58,0	32,0
1202746	H1222591-12120M	CR	12	19,0	3/4"	12	1 1/16-12	52,4	54,0	32,0
1216780	H1222591-12160M	CR	12	19,0	3/4"	16	1 5/16-12	52,6	72,0	38,0
1202847	H1222591-16160M	CR	16	25,0	1"	16	1 5/16-12	72,6	71,5	38,0
1202848	H1222592-16200M	TN	16	25,0	1"	20	1 5/8-12	72,6	78,0	50,0
1202849	H1222592-20200M	TN	20	32,0	1 1/4"	20	1 5/8-12	82,4	78,0	50,0
1202850	H1222592-20240M	TN	20	32,0	1 1/4"	24	1 7/8-12	87,3	82,0	55,0
1202851	H1222592-24240M	TN	24	38,0	1 1/2"	24	1 7/8-12	95,3	92,0	55,0
1202852	H1222592-32320M	TN	32	51,0	2"	32	2 1/2-12	129,5	140,0	70,0

// H1222591-L

90° JIC Female 37° Seat - Long Drop
DKJ 90L
Solid one piece



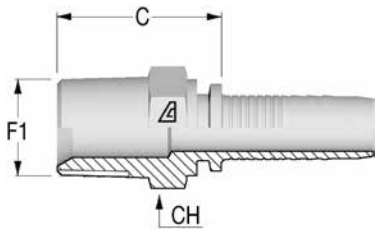
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1203131	H1222591-04040L	CR	04	6,0	1/4"	04	7/16-20	30,8	46,0	16,0
1214215	H1222591-04050L	CR	04	6,0	1/4"	05	1/2-20	31,3	45,0	17,0
1203115	H1222591-06060L	CR	06	10,0	3/8"	06	9/16-18	43,3	54,0	19,0
1202842	H1222591-06080L	CR	06	10,0	3/8"	08	3/4-16	46,8	64,0	25,0
1214216	H1222591-08080L	CR	08	13,0	1/2"	08	3/4-16	49,9	64,0	25,0
1202843	H1222591-08100L	CR	08	13,0	1/2"	10	7/8-14	37,3	65,0	27,0
1203114	H1222591-10100L	CR	10	16,0	5/8"	10	7/8-14	49,9	65,0	27,0
1203112	H1222591-12120L	CR	12	19,0	3/4"	12	1 1/16-12	54,1	95,0	32,0
1203111	H1222591-16160L	CR	16	25,0	1"	16	1 5/16-12	78,6	114,0	38,0

Dimensions shown may be changed without prior notice

// NPTF INSERTS

// H1212810

NPTF Male 60° Seat
AGN

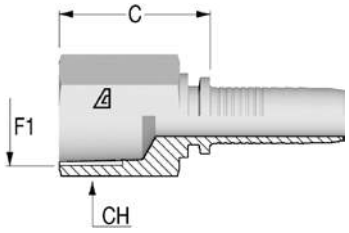


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1200448	H1212810-030200	NA	03	5,0	3/16"	02	1/8-27	20,8	12,0
1200466	H1212810-040200	NA	04	6,0	1/4"	02	1/8-27	21,3	14,0
1228235	H121281P-040400	NA	04	6,0	1/4"	04	1/4-18	26,8	14,3
1200467	H1212810-040600	NA	04	6,0	1/4"	06	3/8-18	27,8	19,0
1203150	H1212810-040800	NA	04	6,0	1/4"	08	1/2-14	31,3	22,0
1200511	H1212810-050400	NA	05	8,0	5/16"	04	1/4-18	26,8	17,0
1200512	H1212810-050600	NA	05	8,0	5/16"	06	3/8-18	27,8	19,0
1200307	H1212810-060400	NA	06	10,0	3/8"	04	1/4-18	26,8	17,0
1200308	H1212810-060600	NA	06	10,0	3/8"	06	3/8-18	27,8	19,0
1200306	H1212810-060800	NA	06	10,0	3/8"	08	1/2-14	31,3	22,0
1200345	H1212810-080600	NA	08	13,0	1/2"	06	3/8-18	28,6	19,0
1200343	H1212810-080800	NA	08	13,0	1/2"	08	1/2-14	32,1	22,0
1200344	H1212810-081200	NA	08	13,0	1/2"	12	3/4-14	34,1	27,0
1200387	H1212810-100800	NA	10	16,0	5/8"	08	1/2-14	33,1	24,0
1200388	H1212810-101200	NA	10	16,0	5/8"	12	3/4-14	34,1	27,0
1203149	H1212810-120800	NA	12	19,0	3/4"	08	1/2-14	33,6	27,0
1200421	H1212810-121200	NA	12	19,0	3/4"	12	3/4-14	34,6	27,0
1200420	H1212810-121600	NA	12	19,0	3/4"	16	1-11 1/2	43,6	36,0
1216610	H1212810-141600	NA	14	22,0	7/8"	16	1-11 1/2	43,6	36,0
1202282	H1212810-161200	NA	16	25,0	1"	12	3/4-14	39,4	36,0
1201366	H1212810-161600	NA	16	25,0	1"	16	1-11 1/2	44,4	36,0
1201367	H1212810-162000	NA	16	25,0	1"	20	1 1/4-11 1/2	47,4	46,0
1216611	H1212810-182000	NA	-	29,0	1 1/8"	20	1 1/4-11 1/2	47,4	46,0
1201368	H1212810-202000	NA	20	32,0	1 1/4"	20	1 1/4-11 1/2	49,0	46,0
1216612	H1212810-222400	NA	-	35,0	1 3/8"	24	1 1/2-11 1/2	50,5	50,0
1201369	H1212810-242400	NA	24	38,0	1 1/2"	24	1 1/2-11 1/2	50,5	50,0
1216613	H1212810-293200	NA	29	46,0	1 13/16"	32	2-11 1/2	54,2	65,0
1201370	H1212810-323200	NA	32	51,0	2"	32	2-11 1/2	54,2	65,0

Dimensions shown may be changed without prior notice

// H1222810

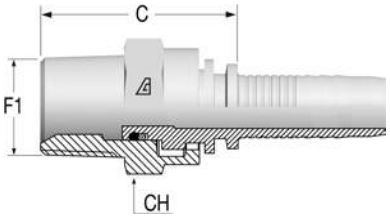
NPTF Female Solid



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1216794	H1222810-040200	NA	04	6,0	1/4"	02	1/8-27	22,3	14,0
1200464	H1222810-040400	NA	04	6,0	1/4"	04	1/4-18	27,8	19,0
1219145	H1222810-060600	NA	06	10,0	3/8"	06	3/8-18	28,8	22,0
1216795	H1222810-080800	NA	08	13,0	1/2"	08	1/2-14	35,6	25,0
1216796	H1222810-121200	NA	12	19,0	3/4"	12	3/4-14	38,1	32,0
1216797	H1222810-161600	NA	16	25,0	1"	16	1-11 1/2	44,9	38,0

// H1212811

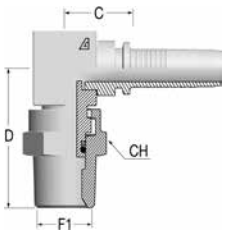
NPTF Male Swivel 60° Seat



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1216614	H1212811-040400	CR	04	6,0	1/4"	04	1/4-18	37,6	17,0
1216615	H1212811-040600	CR	04	6,0	1/4"	06	3/8-18	39,5	22,0
1216616	H1212811-060400	CR	06	10,0	3/8"	04	1/4-18	39,6	17,0
1214186	H1212811-060600	CR	06	10,0	3/8"	06	3/8-18	37,5	22,0
1216617	H1212811-060800	CR	06	10,0	3/8"	08	1/2-14	43,5	25,0
1216619	H1212811-080600	CR	08	13,0	1/2"	06	3/8-18	38,3	22,0
1214187	H1212811-080800	CR	08	13,0	1/2"	08	1/2-14	42,3	25,0
1216620	H1212811-121200	CR	12	19,0	3/4"	12	3/4-14	50,1	32,0
1216621	H1212811-161600	CR	16	25,0	1"	16	1-11 1/2	57,9	41,0

// H1212881

90° Compact NPTF Male Swivel 60° Seat



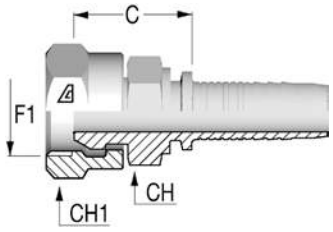
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH
			Dash	mm	in	Dash Size		mm	mm	mm
1225918	H1212881-040400	CR	04	6,0	1/4"	04	1/4-18	17,0	39,0	17,0
1225920	H1212881-060600	CR	06	10,0	3/8"	06	3/8-18	20,0	41,0	22,0
1225921	H1212881-080800	CR	08	13,0	1/2"	08	1/2-14	23,0	48,0	25,0
1225922	H1212881-121200	CR	12	19,0	3/4"	12	3/4-14	27,0	61,0	32,0

Dimensions shown may be changed without prior notice

// NPSM INSERTS

// H1227311

NPSM Female



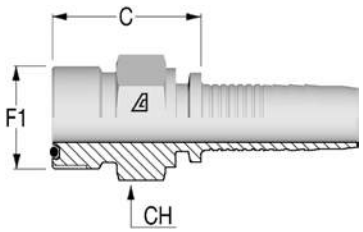
Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1203280	H1227311-040400	CR	04	6,0	1/4"	04	1/4-18	24,3	17,0	19,0
1216834	H1227311-060600	CR	06	10,0	3/8"	06	3/8-18	24,8	19,0	22,0
1202084	H1227311-080800	CR	08	13,0	1/2"	08	1/2-14	26,6	22,0	27,0
1216835	H1227311-121200	CR	12	19,0	3/4"	12	3/4-14	28,6	30,0	32,0
1216836	H1227311-161600	CR	16	25,0	1"	16	1-11 1/2	35,4	36,0	38,0

Dimensions shown may be changed without prior notice

// ORFS INSERTS

// H1212410

ORFS Male

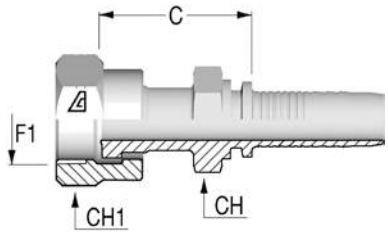


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1202488	H1212410-040400	NA	04	6,0	1/4"	04	9/16-18	22,3	17,0
1202489	H1212410-040600	NA	04	6,0	1/4"	06	11/16-16	24,3	19,0
1214185	H1212410-050600	NA	05	8,0	5/16"	06	11/16-16	24,3	19,0
1202490	H1212410-060600	NA	06	10,0	3/8"	06	11/16-16	24,3	19,0
1202491	H1212410-060800	NA	06	10,0	3/8"	08	13/16-16	26,3	22,0
1202055	H1212410-061000	NA	06	10,0	3/8"	10	1-14	29,8	27,0
1202492	H1212410-080800	NA	08	13,0	1/2"	08	13/16-16	27,1	22,0
1202054	H1212410-081000	NA	08	13,0	1/2"	10	1-14	30,6	27,0
1202493	H1212410-081200	NA	08	13,0	1/2"	12	1 3/16-12	34,1	32,0
1202892	H1212410-101000	NA	10	16,0	5/8"	10	1-14	30,6	27,0
1202494	H1212410-101200	NA	10	16,0	5/8"	12	1 3/16-12	34,1	32,0
1202495	H1212410-121000	NA	12	19,0	3/4"	10	1-14	31,1	27,0
1202496	H1212410-121200	NA	12	19,0	3/4"	12	1 3/16-12	34,6	32,0
1202497	H1212410-121600	NA	12	19,0	3/4"	16	1 7/16-12	38,1	41,0
1202498	H1212410-161600	NA	16	25,0	1"	16	1 7/16-12	37,9	38,0
1202499	H1212410-162000	NA	16	25,0	1"	20	1 11/16-12	39,9	46,0
1202500	H1212410-202000	NA	20	32,0	1 1/4"	20	1 11/16-12	41,5	46,0

Dimensions shown may be changed without prior notice

// H1222411

ORFS Female with Stem Hexagon

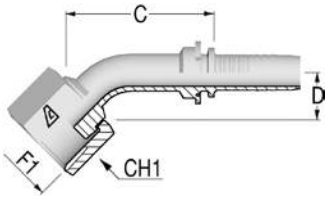


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1203220	H1222411-030400	CR	03	5,0	3/16"	04	9/16-18	26,8	14,0	17,0
1201586	H1222411-040400	CR	04	6,0	1/4"	04	9/16-18	27,3	14,0	17,0
1201855	H1222411-040600	CR	04	6,0	1/4"	06	11/16-16	30,3	17,0	22,0
1203143	H1222411-040800	CR	04	6,0	1/4"	08	13/16-16	35,3	22,0	24,0
1201741	H1222411-050600	CR	05	8,0	5/16"	06	11/16-16	30,3	17,0	22,0
1203237	H1222411-060400	CR	06	10,0	3/8"	04	9/16-18	28,3	17,0	17,0
1202369	H1222411-060600	CR	06	10,0	3/8"	06	11/16-16	30,3	17,0	22,0
1201339	H1222411-060800	CR	06	10,0	3/8"	08	13/16-16	35,3	22,0	24,0
1202563	H1222411-080600	CR	08	13,0	1/2"	06	11/16-16	32,1	19,0	22,0
1201338	H1222411-080800	CR	08	13,0	1/2"	08	13/16-16	36,1	22,0	24,0
1202052	H1222411-081000	CR	08	13,0	1/2"	10	1-14	39,6	24,0	30,0
1203053	H1222411-081200	CR	08	13,0	1/2"	12	1 3/16-12	42,1	30,0	36,0
1203061	H1222411-100800	CR	10	16,0	5/8"	08	13/16-16	37,1	24,0	24,0
1202612	H1222411-101000	CR	10	16,0	5/8"	10	1-14	39,6	24,0	30,0
1201815	H1222411-101200	CR	10	16,0	5/8"	12	1 3/16-12	42,1	30,0	36,0
1201782	H1222411-121000	CR	12	19,0	3/4"	10	1-14	40,1	27,0	30,0
1202560	H1222411-121200	CR	12	19,0	3/4"	12	1 3/16-12	42,6	30,0	36,0
1202053	H1222411-121600	CR	12	19,0	3/4"	16	1 7/16-12	48,6	36,0	41,0
1203142	H1222411-161200	CR	16	25,0	1"	12	1 3/16-12	45,4	32,0	36,0
1201446	H1222411-161600	CR	16	25,0	1"	16	1 7/16-12	49,4	36,0	41,0
1203056	H1222411-162000	CR	16	25,0	1"	20	1 11/16-12	50,4	41,0	50,0
1201447	H1222411-202000	CR	20	32,0	1 1/4"	20	1 11/16-12	52,0	41,0	50,0
1226017	H1222411-202400	CR	20	32,0	1 1/4"	24	2-12	56,5	50,0	60,0
1202046	H1222411-242400	CR	24	38,0	1 1/2"	24	2-12	56,5	50,0	60,0

Dimensions shown may be changed without prior notice

// H1222443-M

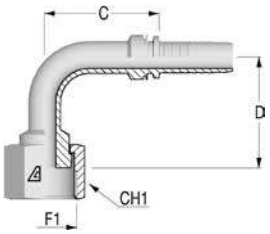
45° ORFS Female - Medium Drop
DK ORFS 45M
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1202774	H1222443-04040M	SN	04	6,0	1/4"	04	9/16-18	41,1	11,0	17,0
1202775	H1222443-04060M	SN	04	6,0	1/4"	06	11/16-16	46,1	11,0	22,0
1202871	H1222443-05060M	SN	05	8,0	5/16"	06	11/16-16	46,3	12,0	22,0
1202776	H1222443-06060M	SN	06	10,0	3/8"	06	11/16-16	47,4	12,0	22,0
1202777	H1222443-06080M	SN	06	10,0	3/8"	08	13/16-16	51,2	15,0	24,0
1202854	H1222441-08080M	CR	08	13,0	1/2"	08	13/16-16	47,1	16,0	24,0
1202771	H1222443-08100M	SN	08	13,0	1/2"	10	1-14	50,4	16,5	30,0
1202819	H1222443-10100M	SN	10	16,0	5/8"	10	1-14	57,7	17,0	30,0
1202853	H1222443-10120M	SN	10	16,0	5/8"	12	1 3/16-12	63,1	21,0	36,0
1203060	H1222441-12100M	CR	12	19,0	3/4"	10	1-14	51,4	24,0	30,0
1202872	H1222443-12120M	SN	12	19,0	3/4"	12	1 3/16-12	63,5	21,0	36,0
1202915	H1222443-12160M	SN	12	19,0	3/4"	16	1 7/16-12	70,7	24,0	41,0
1202797	H1222443-16160M	SN	16	25,0	1"	16	1 7/16-12	82,4	26,0	41,0
1203141	H1222443-16200M	SN	16	25,0	1"	20	1 11/16-12	85,4	26,0	50,0
1202873	H1222443-20200M	SN	20	32,0	1 1/4"	20	1 11/16-12	97,4	26,0	50,0
1202874	H1222443-24240M	SN	24	38,0	1 1/2"	24	2-12	104,4	28,0	60,0

// H1222493-S

90° ORFS Female - Short Drop
DK ORFS 90S
Solid one piece

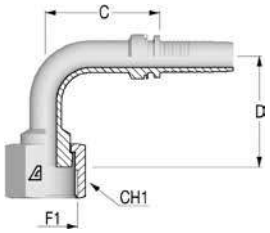


Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1202778	H1222493-04040S	SN	04	6,0	1/4"	04	9/16-18	28,5	21,0	17,0
1202856	H1222493-04060S	SN	04	6,0	1/4"	06	11/16-16	32,0	23,0	22,0
1202857	H1222493-05060S	SN	05	8,0	5/16"	06	11/16-16	49,3	23,0	22,0
1202858	H1222493-06060S	SN	06	10,0	3/8"	06	11/16-16	41,8	25,0	22,0
1202859	H1222493-06080S	SN	06	10,0	3/8"	08	13/16-16	41,8	29,0	24,0
1203392	H1222491-08060S	CR	08	13,0	1/2"	06	11/16-16	44,1	25,0	22,0
1202855	H1222491-08080S	CR	08	13,0	1/2"	08	13/16-16	39,8	29,0	24,0
1203054	H1222493-08100S	SN	08	13,0	1/2"	10	1-14	46,3	32,5	30,0
1203334	H1222493-08120S	SN	08	13,0	1/2"	12	1 3/16-12	56,3	51,0	36,0
1202860	H1222493-10100S	SN	10	16,0	5/8"	10	1-14	52,3	32,5	30,0
1202861	H1222493-10120S	SN	10	16,0	5/8"	12	1 3/16-12	55,4	49,0	36,0
1202862	H1222493-12120S	SN	12	19,0	3/4"	12	1 3/16-12	60,6	51,0	36,0
1203055	H1222493-12160S	SN	12	19,0	3/4"	16	1 7/16-12	61,6	56,0	41,0
1203209	H1222491-16120S	CR	16	25,0	1"	12	1 3/16-12	54,6	51,0	36,0
1202863	H1222493-16160S	SN	16	25,0	1"	16	1 7/16-12	80,0	58,0	41,0
1203135	H1222493-16200S	SN	16	25,0	1"	20	1 11/16-12	82,6	64,0	50,0
1203133	H1222493-20200S	SN	20	32,0	1 1/4"	20	1 11/16-12	95,0	68,0	50,0
1214213	H1222493-24240S	SN	24	38,0	1 1/2"	24	2-12	103,7	78,0	60,0

Dimensions shown may be changed without prior notice

// H1222493-M

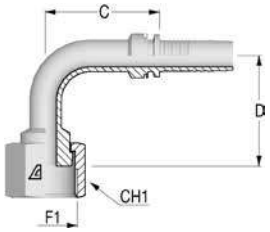
90° ORFS Female - Medium Drop
DK ORFS 90M
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1202875	H1222493-04040M	SN	04	6,0	1/4"	04	9/16-18	29,8	32,0	17,0
1202715	H1222493-04060M	SN	04	6,0	1/4"	06	11/16-16	37,3	38,0	22,0
1202779	H1222493-05060M	SN	05	8,0	5/16"	06	11/16-16	40,7	34,0	22,0
1202780	H1222493-06060M	SN	06	10,0	3/8"	06	11/16-16	41,8	38,0	22,0
1202716	H1222493-06080M	SN	06	10,0	3/8"	08	13/16-16	43,8	41,0	24,0
1202781	H1222491-08080M	CR	08	13,0	1/2"	08	13/16-16	34,8	42,0	24,0
1202770	H1222493-08100M	SN	08	13,0	1/2"	10	1-14	48,3	47,0	30,0
1202782	H1222493-10100M	SN	10	16,0	5/8"	10	1-14	55,4	44,0	30,0
1203137	H1222493-10120M	SN	10	16,0	5/8"	12	1 3/16-12	55,4	58,0	36,0
1202783	H1222493-12120M	SN	12	19,0	3/4"	12	1 3/16-12	61,6	58,0	36,0
1202916	H1222493-12160M	SN	12	19,0	3/4"	16	1 7/16-12	65,6	71,0	41,0
1216748	H1222491-16120M	CR	16	25,0	1"	12	1 3/16-12	62,6	58,0	36,0
1202717	H1222493-16160M	SN	16	25,0	1"	16	1 7/16-12	82,6	66,0	41,0
1203069	H1222493-16200M	SN	16	25,0	1"	20	1 11/16-12	82,6	78,0	50,0
1202876	H1222493-20200M	SN	20	32,0	1 1/4"	20	1 11/16-12	97,0	78,0	50,0
1202877	H1222493-24240M	SN	24	38,0	1 1/2"	24	2-12	107,8	87,0	60,0

// H1222493-L

90° ORFS Female - Long Drop
DK ORFS 90L
Solid one piece



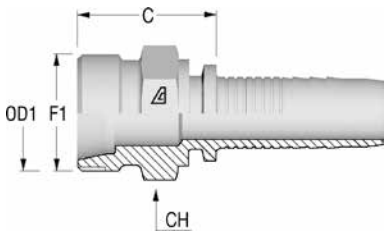
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1210841	H1222493-04040L	SN	04	6,0	1/4"	04	9/16-18	32,8	46,0	17,0
1203139	H1222493-04060L	SN	04	6,0	1/4"	06	11/16-16	34,8	54,0	22,0
1203138	H1222493-06060L	SN	06	10,0	3/8"	06	11/16-16	41,8	54,0	22,0
1203057	H1222493-06080L	SN	06	10,0	3/8"	08	13/16-16	46,8	64,0	24,0
1202922	H1222491-08080L	CR	08	13,0	1/2"	08	13/16-16	38,3	64,0	24,0
1214208	H1222493-08100L	SN	08	13,0	1/2"	10	1-14	46,3	70,0	30,0
1202918	H1222493-10100L	SN	10	16,0	5/8"	10	1-14	55,4	70,0	30,0
1202919	H1222493-10120L	SN	10	16,0	5/8"	12	1 3/16-12	55,4	96,0	36,0
1202920	H1222493-12120L	SN	12	19,0	3/4"	12	1 3/16-12	61,6	96,0	36,0
1202921	H1222493-12160L	SN	12	19,0	3/4"	16	1 7/16-12	61,6	118,0	41,0
1203136	H1222493-16160L	SN	16	25,0	1"	16	1 7/16-12	82,6	114,0	41,0
1203134	H1222493-20200L	SN	20	32,0	1 1/4"	20	1 11/16-12	97,0	129,0	50,0
1214212	H1222493-24240L	SN	24	38,0	1 1/2"	24	2-12	110,8	141,0	60,0

Dimensions shown may be changed without prior notice

// FRENCH INSERTS

// H1211810

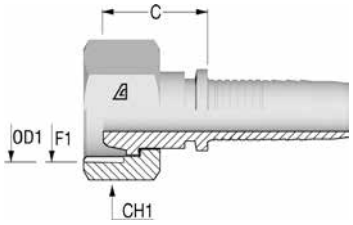
Metric Male
French Type



Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH
			Dash	mm	in		mm	mm	mm
1200522	H1211810-052000	NA	05	8,0	5/16"	M20X1.5	13,25	17,0	22,0
1200317	H1211810-062000	NA	06	10,0	3/8"	M20X1.5	13,25	25,3	22,0
1200361	H1211810-082400	NA	08	13,0	1/2"	M24X1.5	16,75	27,1	24,0
1200404	H1211810-103000	NA	10	16,0	5/8"	M30X1.5	21,25	31,1	30,0
1200435	H1211810-123600	NA	12	19,0	3/4"	M36X1.5	26,75	33,6	36,0

// H1221813

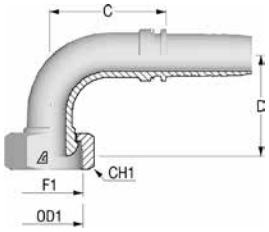
Metric Female
French Type



Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH1
			Dash	mm	in		mm	mm	mm
1200651	H1221813-052000	SN	05	8,0	5/16"	M20X1.5	14	23,8	24,0
1200681	H1221813-062000	SN	06	10,0	3/8"	M20X1.5	14	23,8	24,0
1200717	H1221813-082400	SN	08	13,0	1/2"	M24X1.5	16	26,8	30,0
1200744	H1221813-103000	SN	10	16,0	5/8"	M30X1.5	22	26,6	36,0
1200770	H1221813-123600	SN	12	19,0	3/4"	M36X1.5	28	27,0	42,0

// H1221893

90° Metric Female
French type



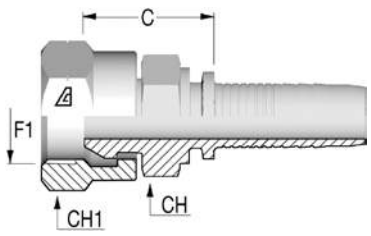
Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in		mm	mm	mm	mm
1200654	H1221893-052000	SN	05	8,0	5/16"	M20X1.5	14	32,5	36,5	24,0
1200683	H1221893-062000	SN	06	10,0	3/8"	M20X1.5	14	36,7	44,0	24,0
1200719	H1221893-082400	SN	08	13,0	1/2"	M24X1.5	16	39,5	46,0	30,0
1203156	H1221893-103000	SN	10	16,0	5/8"	M30X1.5	22	43,0	49,0	36,0
1200773	H1221893-123600	SN	12	19,0	3/4"	M36X1.5	28	46,6	48,5	42,0

Dimensions shown may be changed without prior notice

// JIS INSERTS

// H1223711

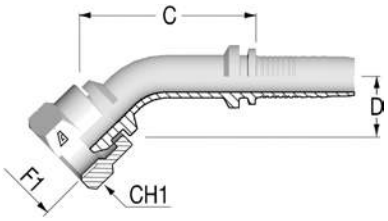
JIS Female 60° Cone - B 8363 (type C)



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1203110	H1223711-040400	CR	04	6,0	1/4"	04	1/4-19	24,3	17,0	19,0
1203109	H1223711-060600	CR	06	10,0	3/8"	06	3/8-19	25,5	19,0	22,0
1203108	H1223711-080800	CR	08	13,0	1/2"	08	1/2-14	26,1	22,0	27,0
1226069	H1223711-100800	CR	10	16,0	5/8"	08	1/2-14	27,1	24,0	27,0
1226549	H1223711-101200	CR	10	16,0	5/8"	12	3/4-14	29,6	30,0	36,0
1203107	H1223711-121200	CR	12	19,0	3/4"	12	3/4-14	30,1	30,0	36,0
1214218	H1223711-161600	CR	16	25,0	1"	16	1-11	34,9	36,0	41,0

// H1223741

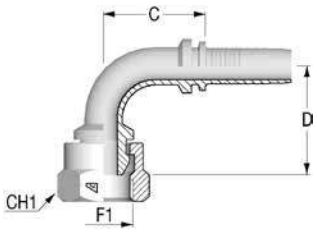
45° JIS Female 60° Cone - B 8363 (type C)



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1216798	H1223741-040400	CR	04	6,0	1/4"	04	1/4-19	24,3	19,0	19,0
1216799	H1223741-060600	CR	06	10,0	3/8"	06	3/8-19	26,5	21,0	22,0
1216800	H1223741-080800	CR	08	13,0	1/2"	08	1/2-14	27,0	22,0	27,0
1216801	H1223741-121200	CR	12	19,0	3/4"	12	3/4-14	19,9	25,0	36,0

// H1223791

90° JIS Female 60° Cone - B 8363 (type C)

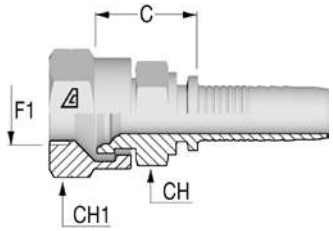


Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1216803	H1223791-040400	CR	04	6,0	1/4"	04	1/4-19	25,3	33,0	19,0
1216805	H1223791-060600	CR	06	10,0	3/8"	06	3/8-19	32,3	36,5	22,0
1216806	H1223791-080800	CR	08	13,0	1/2"	08	1/2-14	37,3	38,5	27,0

Dimensions shown may be changed without prior notice

// H122381Z

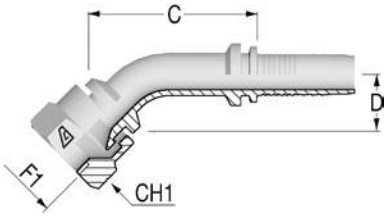
JIS Female 60° Seat Flare - B 8363 (type F)



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1202947	H122381Z-040400	CR	04	6,0	1/4"	04	1/4-19	20,8	17,0	19,0
1202879	H122381Z-060600	CR	06	10,0	3/8"	06	3/8-19	21,8	19,0	22,0
1202878	H122381Z-080800	CR	08	13,0	1/2"	08	1/2-14	23,6	22,0	27,0
1203106	H122381Z-121200	CR	12	19,0	3/4"	12	3/4-14	27,1	30,0	36,0
1203105	H122381Z-161600	CR	16	25,0	1"	16	1-11	32,9	36,0	41,0
1201585	H1223812-202000	TN	20	32,0	1 1/4"	20	1 1/4-11	39,5	46,0	50,0
1201677	H1223812-242400	TN	24	38,0	1 1/2"	24	1 1/2-11	41,5	50,0	55,0

// H122384Z

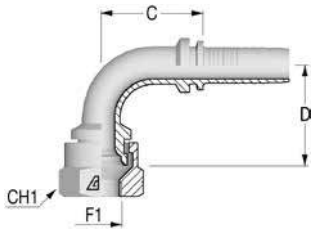
45° JIS Female 60° Seat Flare - B 8363 (type F)



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1203104	H122384Z-040400	CR	04	6,0	1/4"	04	1/4-19	42,5	15,0	19,0

// H122389Z

90° JIS Female 60° Seat Flare - B 8363 (type F)



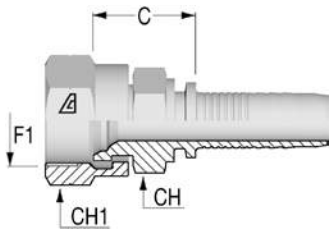
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1203095	H122389Z-040400	CR	04	6,0	1/4"	04	1/4-19	27,3	29,5	19,0
1203094	H122389Z-060600	CR	06	10,0	3/8"	06	3/8-19	31,3	33,0	22,0
1203093	H122389Z-080800	CR	08	13,0	1/2"	08	1/2-14	37,3	36,5	27,0
1203092	H122389Z-121200	CR	12	19,0	3/4"	12	3/4-14	46,1	52,0	36,0
1203091	H122389Z-161600	CR	16	25,0	1"	16	1-11	77,1	64,5	41,0

Dimensions shown may be changed without prior notice

// KOMATSU INSERTS

// H1224011

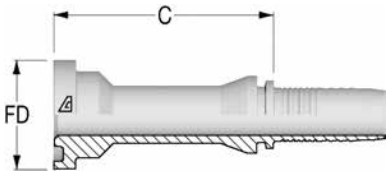
Komatsu Female



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1200502	H1224011-041400	CR	04	6,0	1/4"	14	M14X1.5	20,8	17,0	19,0
1216808	H1224011-061400	CR	06	10,0	3/8"	14	M14X1.5	20,8	17,0	19,0
1200334	H1224011-061800	CR	06	10,0	3/8"	18	M18X1.5	21,8	19,0	22,0
1202688	H1224011-082200	CR	08	13,0	1/2"	22	M22X1.5	23,6	22,0	27,0
1200414	H1224011-102400	CR	10	16,0	5/8"	24	M24X1.5	27,1	30,0	32,0
1200444	H1224011-123000	CR	12	19,0	3/4"	30	M30X1.5	27,6	30,0	36,0
1201720	H1224011-163300	CR	16	25,0	1"	33	M33X1.5	35,7	36,0	41,0

// H1244110

Komatsu Flange

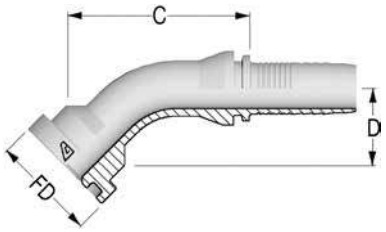


Item Code	Part Number	ID			Flange	Flange Size	C	FD
		Dash	mm	in	Dash Size		mm	mm
1201625	H1244110-101000	10	16,0	5/8"	10	5/8	46,7	34,0

Dimensions shown may be changed without prior notice

// H1244140

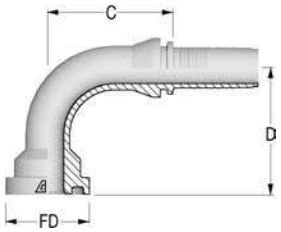
45° Komatsu Flange
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop
		Dash	mm	in	Dash Size		mm	mm	mm
1202066	H1244140-101000	10	16,0	5/8"	10	5/8	34,0	49,1	25,0

// H1244190

90° Komatsu Flange
Solid one piece



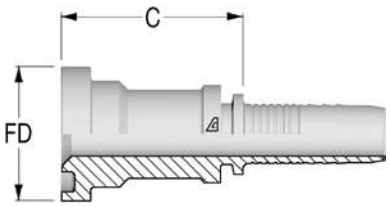
Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop
		Dash	mm	in	Dash Size		mm	mm	mm
1202067	H1244190-101000	10	16,0	5/8"	10	5/8	34,0	51,0	51,0

Dimensions shown may be changed without prior notice

// SAE FLANGES

// H1243310

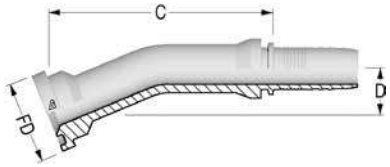
Flange SAE 3000 PSI J518 Code 61 - SFL



Item Code	Part Number	ID			Flange	Flange Size	C	FD	WP
		Dash	mm	in	Dash Size		mm	mm	psi
1202747	H1243310-080800	08	13,0	1/2"	08	1/2	41,0	30,2	5000
1202763	H1243310-081200	08	13,0	1/2"	12	3/4	42,0	38,1	5000
1202801	H1243310-101200	10	16,0	5/8"	12	3/4	42,2	38,1	5000
1201734	H1243310-121200	12	19,0	3/4"	12	3/4	42,5	38,1	5000
1202750	H1243310-121600	12	19,0	3/4"	16	1	50,5	44,5	5000
1201408	H1243310-161600	16	25,0	1"	16	1	51,4	44,5	5000
1201409	H1243310-162000	16	25,0	1"	20	1 1/4	53,9	50,8	4000
1221654	H1243310-201600	20	32,0	1 1/4"	16	1	53,0	44,5	5000
1201410	H1243310-202000	20	32,0	1 1/4"	20	1 1/4	55,5	50,8	4000
1201411	H1243310-202400	20	32,0	1 1/4"	24	1 1/2	58,5	60,3	3000
1201412	H1243310-242400	24	38,0	1 1/2"	24	1 1/2	58,5	60,3	3000
1201413	H1243310-243200	24	38,0	1 1/2"	32	2	70,0	71,4	3000
1221662	H1243310-322400	32	51,0	2"	24	1 1/2	66,0	60,3	3000
1201414	H1243310-323200	32	51,0	2"	32	2	70,0	71,4	3000
1202074	H1243310-324000	32	51,0	2"	40	2 1/2	83,0	84,1	2500
1226113	H1243310-403200	40	63,0	2 1/2"	32	2	86,5	71,4	3000
1203063	H1243310-404000	40	63,0	2 1/2"	40	2 1/2	86,5	84,1	2500

// H1243320

22° Flange SAE 3000 PSI J518 Code 61 - SFL 22
Solid one piece

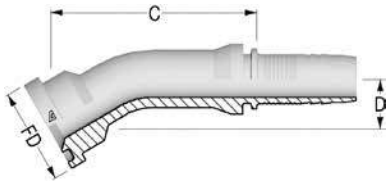


Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1216854	H1243320-161600	16	25,0	1"	16	1	44,5	92,7	12,0	5000
1216856	H1243320-202000	20	32,0	1 1/4"	20	1 1/4	50,8	113,6	16,0	4000
1216857	H1243320-202400	20	32,0	1 1/4"	24	1 1/2	60,3	114,7	20,5	3000
1216858	H1243320-242400	24	38,0	1 1/2"	24	1 1/2	60,3	131,0	22,0	3000
1216859	H1243320-323200	32	51,0	2"	32	2	71,4	153,0	30,0	3000

Dimensions shown may be changed without prior notice

// H1243330

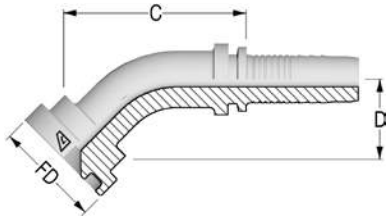
30° Flange SAE 3000 PSI J518 Code 61 - SFL 30
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1216861	H1243330-121200	12	19,0	3/4"	12	3/4	38,1	80,8	12,0	5000
1216862	H1243330-121600	12	19,0	3/4"	16	1	44,5	83,8	12,0	5000
1216863	H1243330-161600	16	25,0	1"	16	1	44,5	89,8	12,0	5000
1216864	H1243330-162000	16	25,0	1"	20	1 1/4	50,8	90,0	12,0	4000
1216866	H1243330-202000	20	32,0	1 1/4"	20	1 1/4	50,8	102,4	12,0	4000
1216867	H1243330-202400	20	32,0	1 1/4"	24	1 1/2	60,3	111,9	13,0	3000
1216868	H1243330-242400	24	38,0	1 1/2"	24	1 1/2	60,3	128,6	23,0	3000
1216869	H1243330-243200	24	38,0	1 1/2"	32	2	71,4	147,0	29,5	3000

// H1243340

45° Flange SAE 3000 PSI J518 Code 61 - SFL 45
Solid one piece

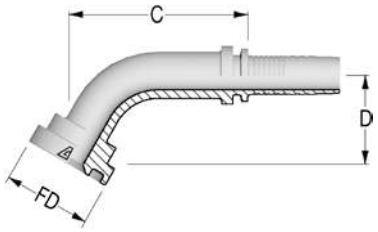


Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1202748	H1243340-080800	08	13,0	1/2"	08	1/2	30,2	52,9	22,0	5000
1202751	H1243340-081200	08	13,0	1/2"	12	3/4	38,1	60,3	26,0	5000
1202678	H1243340-121200	12	19,0	3/4"	12	3/4	38,1	73,7	32,0	5000
1202752	H1243340-121600	12	19,0	3/4"	16	1	44,5	77,9	29,0	5000
1214223	H1243340-122000	12	19,0	3/4"	20	1 1/4	50,8	81,5	30,0	5000
1202681	H1243340-161600	16	25,0	1"	16	1	44,5	82,7	33,5	5000
1201845	H1243340-162000	16	25,0	1"	20	1 1/4	50,8	82,2	36,0	4000
1216872	H1243340-201600	20	32,0	1 1/4"	16	1	44,5	114,6	35,1	5000
1201848	H1243340-202000	20	32,0	1 1/4"	20	1 1/4	50,8	95,1	37,5	4000
1202677	H1243340-202400	20	32,0	1 1/4"	24	1 1/2	60,3	104,1	40,0	3000
1216873	H1243340-242000	24	38,0	1 1/2"	20	1 1/4	50,8	144,9	49,5	4000
1202753	H1243340-242400	24	38,0	1 1/2"	24	1 1/2	60,3	116,7	48,0	3000
1202754	H1243340-243200	24	38,0	1 1/2"	32	2	71,4	135,6	55,5	3000
1201982	H1243340-323200	32	51,0	2"	32	2	71,4	140,8	47,5	3000
1216874	H1243340-4040SL	40	63,0	2 1/2"	40	2 1/2	84,1	139,0	53,0	2500

Dimensions shown may be changed without prior notice

// H1243360

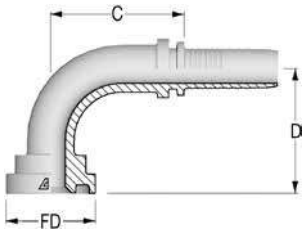
60° Flange SAE 3000 PSI J518 Code 61 - SFL 60
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1216878	H1243360-121200	12	19,0	3/4"	12	3/4	38,1	85,7	37,0	5000
1216880	H1243360-161600	16	25,0	1"	16	1	44,5	101,0	47,0	5000
1216881	H1243360-162000	16	25,0	1"	20	1 1/4	50,8	106,6	43,5	4000
1216882	H1243360-202000	20	32,0	1 1/4"	20	1 1/4	50,8	129,5	56,5	4000
1202882	H1243360-242400	24	38,0	1 1/2"	24	1 1/2	60,3	151,5	57,0	3000
1216884	H1243360-323200	32	51,0	2"	32	2	71,4	173,0	92,0	3000

// H1243390

90° Flange SAE 3000 PSI J518 Code 61 - SFL 90
Solid one piece

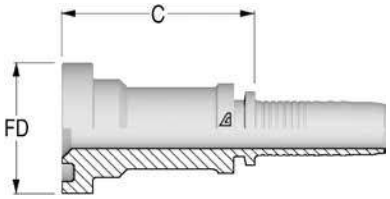


Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1202749	H1243390-080800	08	13,0	1/2"	08	1/2	30,2	45,8	42,0	5000
1202755	H1243390-081200	08	13,0	1/2"	12	3/4	38,1	45,3	51,0	5000
1202805	H1243390-101200	10	16,0	5/8"	12	3/4	38,1	49,4	51,0	5000
1202679	H1243390-121200	12	19,0	3/4"	12	3/4	38,1	59,7	58,0	5000
1202756	H1243390-121600	12	19,0	3/4"	16	1	44,5	66,2	64,5	5000
1202883	H1243390-122000	12	19,0	3/4"	20	1 1/4	50,8	69,7	60,0	4000
1202680	H1243390-161600	16	25,0	1"	16	1	44,5	70,6	67,0	5000
1201846	H1243390-162000	16	25,0	1"	20	1 1/4	50,8	73,6	71,0	4000
1216894	H1243390-162400	16	25,0	1"	24	1 1/2	60,3	93,1	75,0	3000
1202884	H1243390-201600	20	32,0	1 1/4"	16	1	44,5	94,4	65,0	5000
1201847	H1243390-202000	20	32,0	1 1/4"	20	1 1/4	50,8	88,0	84,0	4000
1202676	H1243390-202400	20	32,0	1 1/4"	24	1 1/2	60,3	91,5	87,5	3000
1202806	H1243390-242000	24	38,0	1 1/2"	20	1 1/4	50,8	93,6	93,0	4000
1202757	H1243390-242400	24	38,0	1 1/2"	24	1 1/2	60,3	104,8	91,0	3000
1202758	H1243390-243200	24	38,0	1 1/2"	32	2	71,4	104,8	115,0	3000
1216898	H1243390-322400	32	51,0	2"	24	1 1/2	60,3	132,8	133,0	3000
1201983	H1243390-323200	32	51,0	2"	32	2	71,4	129,3	130,0	3000
1203169	H1243390-3240S0	32	51,0	2"	40	2 1/2	84,1	103,0	100,0	2500
1203364	H1243390-4040SL	40	63,0	2 1/2"	40	2 1/2	84,1	137,2	125,0	2500

Dimensions shown may be changed without prior notice

// H1243610

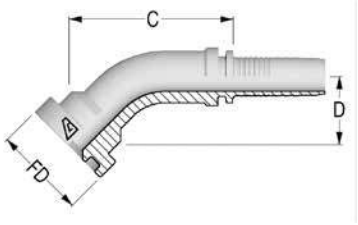
Flange SAE 6000 PSI J518 Code 62 - SFS



Item Code	Part Number	ID			Flange	Flange Size	C	FD	WP
		Dash	mm	in	Dash Size		mm	mm	psi
1202511	H1243610-080800	08	13,0	1/2"	08	1/2	47,0	31,8	6000
1202759	H1243610-081200	08	13,0	1/2"	12	3/4	52,0	41,3	6000
1202807	H1243610-101200	10	16,0	5/8"	12	3/4	52,2	41,3	6000
1202733	H1243610-121200	12	19,0	3/4"	12	3/4	52,5	41,3	6000
1202760	H1243610-121600	12	19,0	3/4"	16	1	55,5	47,6	6000
1216908	H1243610-161200	16	25,0	1"	12	3/4	56,4	41,3	6000
1201415	H1243610-161600	16	25,0	1"	16	1	56,4	47,6	6000
1201416	H1243610-162000	16	25,0	1"	20	1 1/4	63,4	54,0	6000
1201417	H1243610-202000	20	32,0	1 1/4"	20	1 1/4	83,0	54,0	6000
1201418	H1243610-202400	20	32,0	1 1/4"	24	1 1/2	71,0	63,5	6000
1201419	H1243610-242400	24	38,0	1 1/2"	24	1 1/2	101,0	63,5	6000
1201420	H1243610-243200	24	38,0	1 1/2"	32	2	76,0	79,4	6000
1201421	H1243610-323200	32	51,0	2"	32	2	76,0	79,4	6000

// H1243640

45° Flange SAE 6000 PSI J518 Code 62 - SFS 45
Solid one piece

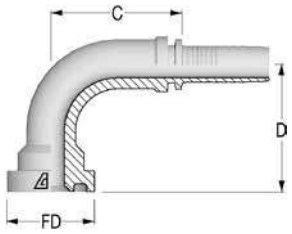


Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1201729	H1243640-080800	08	13,0	1/2"	08	1/2	31,8	56,5	23,0	6000
1202764	H1243640-081200	08	13,0	1/2"	12	3/4	41,3	79,9	30,5	6000
1216910	H1243640-101200	10	16,0	5/8"	12	3/4	41,3	69,0	31,0	6000
1202082	H1243640-121200	12	19,0	3/4"	12	3/4	41,3	84,1	31,0	6000
1202083	H1243640-121600	12	19,0	3/4"	16	1	47,6	80,0	33,5	6000
1201794	H1243640-161600	16	25,0	1"	16	1	47,6	96,7	36,0	6000
1202091	H1243640-162000	16	25,0	1"	20	1 1/4	54,0	96,1	39,0	6000
1202761	H1243640-202000	20	32,0	1 1/4"	20	1 1/4	54,0	108,6	40,0	6000
1202452	H1243640-202400	20	32,0	1 1/4"	24	1 1/2	63,5	114,8	45,5	6000
1202453	H1243640-242400	24	38,0	1 1/2"	24	1 1/2	63,5	122,9	45,0	6000
1202734	H1243640-323200	32	51,0	2"	32	2	79,4	156,6	60,0	6000

Dimensions shown may be changed without prior notice

// H1243690

90° Flange SAE 6000 PSI J518 Code 62 - SFS 90
Solid one piece

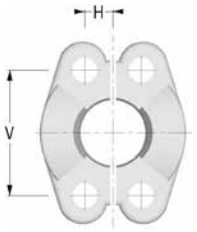


Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1202257	H1243690-080800	08	13,0	1/2"	08	1/2	31,8	47,8	46,0	6000
1202766	H1243690-081200	08	13,0	1/2"	12	3/4	41,3	47,8	54,0	6000
1202808	H1243690-100800	10	16,0	5/8"	08	1/2	31,8	50,0	52,0	6000
1202814	H1243690-101200	10	16,0	5/8"	12	3/4	41,3	49,9	55,0	6000
1202075	H1243690-121200	12	19,0	3/4"	12	3/4	41,3	63,2	61,0	6000
1201795	H1243690-121600	12	19,0	3/4"	16	1	47,6	63,2	66,0	6000
1216913	H1243690-161200	16	25,0	1"	12	3/4	41,3	72,6	61,0	6000
1201739	H1243690-161600	16	25,0	1"	16	1	47,6	73,6	75,0	6000
1202767	H1243690-162000	16	25,0	1"	20	1 1/4	54,0	77,6	78,0	6000
1202735	H1243690-202000	20	32,0	1 1/4"	20	1 1/4	54,0	94,5	89,0	6000
1202768	H1243690-202400	20	32,0	1 1/4"	24	1 1/2	63,5	98,0	94,0	6000
1202736	H1243690-242400	24	38,0	1 1/2"	24	1 1/2	63,5	99,6	105,0	6000
1202769	H1243690-243200	24	38,0	1 1/2"	32	2	79,4	116,9	123,0	6000
1202762	H1243690-323200	32	51,0	2"	32	2	79,4	143,3	132,0	6000

Dimensions shown may be changed without prior notice

// H10W3320

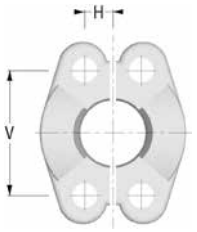
Split Flange Clamp 3000 PSI J518 Code 61 - FHL



Item Code	Part Number	FD	V	H
		in	mm	mm
1900451	H10W3320-080000	1/2"	38,1	8,7
1900457	H10W3320-120000	3/4"	47,6	11,1
1900452	H10W3320-160000	1"	52,4	13,1
1900454	H10W3320-200000	1 1/4"	58,7	15,1
1900453	H10W3320-240000	1 1/2"	69,9	17,9
1900455	H10W3320-320000	2"	77,8	21,4
1900456	H10W3320-400000	2 1/2"	89,0	25,5
1900458	H10W3320-480000	3"	106,0	31,0
1901123	H10W3320-560000	3 1/2"	120,0	35,0
1900715	H10W3320-640000	4"	130,0	39,0

// H10W3620

Split Flange Clamp 6000 PSI J518 Code 62 - FHS

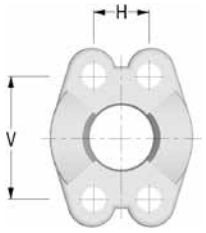


Item Code	Part Number	FD	V	H
		in	mm	mm
1900445	H10W3620-080000	1/2"	40,5	9,1
1900450	H10W3620-120000	3/4"	50,8	11,9
1900446	H10W3620-160000	1"	57,2	13,9
1900448	H10W3620-200000	1 1/4"	66,7	15,9
1900447	H10W3620-240000	1 1/2"	79,4	18,3
1900449	H10W3620-320000	2"	96,8	22,2

Dimensions shown may be changed without prior notice

// H10W3310

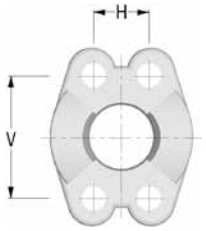
4 Hole Flange Clamp 3000 PSI J518 Code 61 - VHL



Item Code	Part Number	FD	V	H
		in	mm	mm
1900442	H10W3310-120000	3/4"	47,6	22,2
1900437	H10W3310-160000	1"	52,4	26,2
1900439	H10W3310-200000	1 1/4"	58,7	30,2
1900438	H10W3310-240000	1 1/2"	69,9	35,8
1900440	H10W3310-320000	2"	77,8	42,8

// H10W3610

4 Hole Flange Clamp 6000 PSI J518 Code 62 - VHS



Item Code	Part Number	FD	V	H
		in	mm	mm
1900428	H10W3610-080000	1/2"	40,5	18,2
1900433	H10W3610-120000	3/4"	50,8	23,8
1900429	H10W3610-160000	1"	57,2	27,8
1900431	H10W3610-200000	1 1/4"	66,7	31,8
1900430	H10W3610-240000	1 1/2"	79,4	36,6
1900432	H10W3610-320000	2"	96,8	44,4
1900910	H10W3610-400000	2 1/2"	123,8	58,7

// MULTISPIRAL

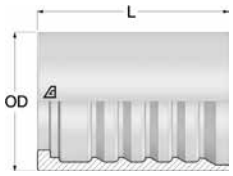
// FERRULES 99
// BSP INSERTS 100
// DIN METRIC INSERTS 102
// JIC 37° INSERTS 104
// NPTF INSERTS 106
// ORFS INSERTS 107
// SAE FLANGES 109
// SUPERCAT FLANGES 112

Dimensions shown may be changed without prior notice

// FERRULES

// H1300SK4

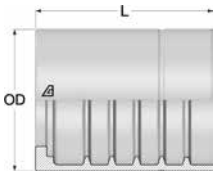
Multispiral Skive Ferrule for 4 Spiral Hoses



Item Code	Part Number	ID			OD	L
		Dash	mm	in	mm	mm
1240185	H1300SK4-120000	12	19,0	3/4"	38,0	59,0
1240186	H1300SK4-160000	16	25,0	1"	46,0	64,0
1240187	H1300SK4-200000	20	31,0	1 1/4"	56,0	91,0
1240188	H1300SK4-240000	24	38,0	1 1/2"	62,0	91,0
1240189	H1300SK4-320000	32	51,0	2"	78,0	115,0

// H1300NS4

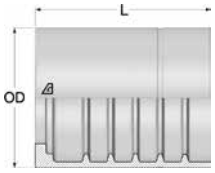
Multispiral No-Skive Ferrule for 4 Spiral Hoses



Item Code	Part Number	ID			OD	L
		Dash	mm	in	mm	mm
1236599	H1300NS4-120000	12	19,0	3/4"	44,0	55,0
1236600	H1300NS4-160000	16	25,0	1"	51,0	64,0
1236601	H1300NS4-200000	20	31,0	1 1/4"	61,0	99,0
1236602	H1300NS4-240000	24	38,0	1 1/2"	70,0	89,5
1236603	H1300NS4-320000	32	51,0	2"	87,0	125,0

// H1300NS6

Multispiral No-Skive Ferrule for 6 Spiral Hoses



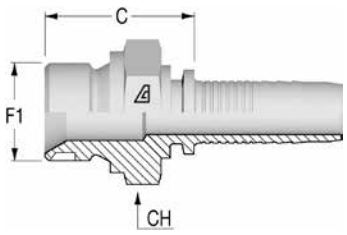
Item Code	Part Number	ID			OD	L
		Dash	mm	in	mm	mm
1236604	H1300NS6-200000	20	31,0	1 1/4"	65,0	99,0
1236605	H1300NS6-240000	24	38,0	1 1/2"	73,0	89,5
1236606	H1300NS6-320000	32	51,0	2"	88,9	125,0

Dimensions shown may be changed without prior notice

// BSP INSERTS

// H1310510

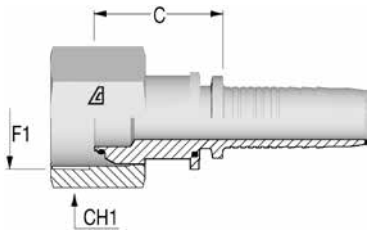
BSPP Male 60° Flare
AGR



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1238090	H1310510-121200	NA	12	19,0	3/4"	12	3/4-14	37,5	32,0
1226162	H1310510-161600	NA	16	25,0	1"	16	1-11	44,5	41,0
1230555	H1310510-202000	NA	20	32,0	1 1/4"	20	1 1/4-11	95,5	50,0
1241600	H1310510-242400	NA	24	38,0	1 1/2"	24	1 1/2-11	56,0	55,0
1241601	H1310510-323200	NA	32	51,0	2"	32	2-11	71,5	70,0

// H1320812

BSPP Female 60° Cone with O-Ring
DKOR

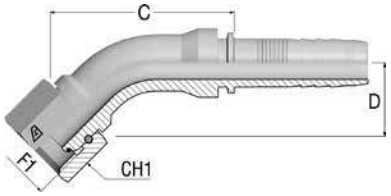


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH1
			Dash	mm	in	Dash Size		mm	mm
1226178	H1320812-121200	TN	12	19,0	3/4"	12	3/4-14	25,2	32,0
1241616	H1320812-121600	TN	12	19,0	3/4"	16	1-11	27,7	38,0
1226179	H1320812-161600	TN	16	25,0	1"	16	1-11	31,0	38,0
1241617	H1320812-162000	TN	16	25,0	1"	20	1 1/4-11	32,0	50,0
1238241	H1320812-202000	TN	20	32,0	1 1/4"	20	1 1/4-11	35,0	50,0
1246639	H1320812-202400	TN	20	32,0	1 1/4"	24	1 1/2-11	36,8	55,0
1239857	H1320812-242400	TN	24	38,0	1 1/2"	24	1 1/2-11	38,8	55,0
1238240	H1320812-323200	TN	32	51,0	2"	32	2-11	49,0	70,0

Dimensions shown may be changed without prior notice

// H1320842

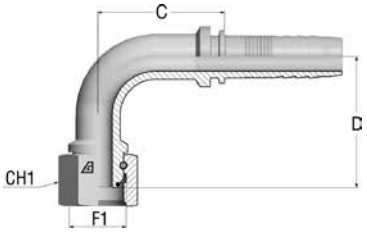
45° BSPP Female 60° Cone with O-Ring
DKOR 45
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1241628	H1320842-121200	TN	12	19,0	3/4"	12	3/4-14	75,2	30,0	32,0
1237423	H1320842-161600	TN	16	25,0	1"	16	1-11	92,1	40,0	38,0
1241629	H1320842-202000	TN	20	32,0	1 1/4"	20	1 1/4-11	90,4	40,0	50,0
1242138	H1320842-242400	TN	24	38,0	1 1/2"	24	1 1/2-11	113,0	46,0	55,0
1241630	H1320842-323200	TN	32	51,0	2"	32	2-11	153,5	60,0	70,0

// H1320892

90° BSPP Female 60° Cone with O-Ring
DKOR 90
Solid one piece



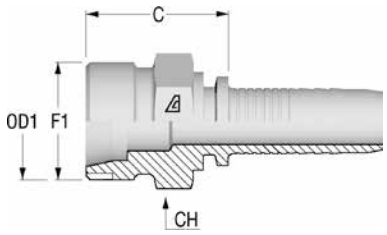
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1226180	H1320892-121200	TN	12	19,0	3/4"	12	3/4-14	59,1	61,0	32,0
1226181	H1320892-161600	TN	16	25,0	1"	16	1-11	73,7	71,0	38,0
1241625	H1320892-202000	TN	20	32,0	1 1/4"	20	1 1/4-11	84,3	83,0	50,0
1238242	H1320892-242400	TN	24	38,0	1 1/2"	24	1 1/2-11	98,7	96,0	55,0
1241626	H1320892-323200	TN	32	51,0	2"	32	2-11	140,5	130,0	70,0

Dimensions shown may be changed without prior notice

// DIN METRIC INSERTS

// H1311210

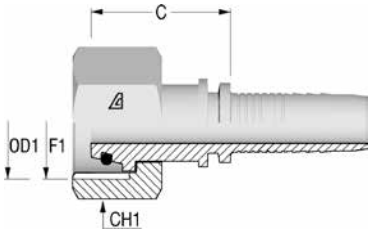
Metric Male 24° Seat - Heavy
DIN 3853 - CES



Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH
			Dash	mm	in		mm	mm	mm
1241605	H1311210-123600	NA	12	19,0	3/4"	M36X2	25	36,5	36,0
1226164	H1311210-164200	NA	16	25,0	1"	M42X2	30	36,2	46,0
1226165	H1311210-205200	NA	20	32,0	1 1/4"	M52X2	38	51,0	55,0

// H1321613

Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS

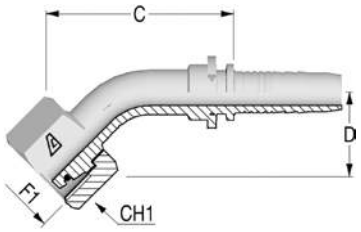


Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH1
			Dash	mm	in		mm	mm	mm
1226182	H1321612-123000	TN	12	19,0	3/4"	M30X2	20	36,8	36,0
1240224	H1321612-163600	TN	16	25,0	1"	M36X2	25	46,0	46,0
1226184	H1321613-164200	SN	16	25,0	1"	M42X2	30	45,2	50,0
1242139	H1321612-204200	TN	20	32,0	1 1/4"	M42X2	30	51,0	50,0
1226185	H1321613-205200	SN	20	32,0	1 1/4"	M52X2	38	51,1	60,0
1238244	H1321612-245200	TN	24	38,0	1 1/2"	M52X2	38	58,0	60,0

Dimensions shown may be changed without prior notice

// H1321643

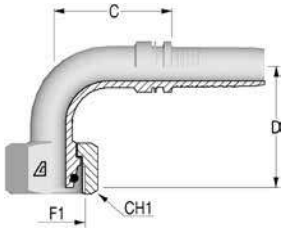
45° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 45
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in		mm	mm	mm	mm
1237408	H1321643-123600	SN	12	19,0	3/4"	M36X2	25	70,4	33,0	46,0
1242140	H1321642-163600	TN	16	25,0	1"	M36X2	25	93,0	37,5	46,0
1237422	H1321643-164200	SN	16	25,0	1"	M42X2	30	109,5	35,5	50,0
1238246	H1321643-205200	SN	20	32,0	1 1/4"	M52X2	38	112,0	45,0	60,0

// H1321693

90° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 90
Solid one piece



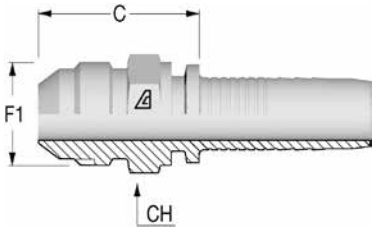
Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in		mm	mm	mm	mm
1241633	H1321692-123000	TN	12	19,0	3/4"	M30X2	20	65,5	67,5	36,0
1237409	H1321693-123600	SN	12	19,0	3/4"	M36X2	25	51,0	59,5	46,0
1240225	H1321692-163600	TN	16	25,0	1"	M36X2	25	75,6	82,0	46,0
1237410	H1321693-164200	SN	16	25,0	1"	M42X2	30	85,0	70,0	50,0
1238248	H1321693-205200	SN	20	32,0	1 1/4"	M52X2	38	97,0	92,0	60,0

Dimensions shown may be changed without prior notice

// JIC 37° INSERTS

// H1312510

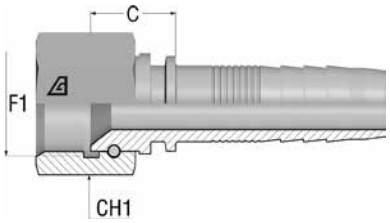
JIC Male 37° Cone
AGJ



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1226168	H1312510-121200	NA	12	19,0	3/4"	12	1 1/16-12	38,5	27,0
1226169	H1312510-161600	NA	16	25,0	1"	16	1 5/16-12	45,5	36,0
1226170	H1312510-202000	NA	20	32,0	1 1/4"	20	1 5/8-12	51,5	46,0
1226171	H1312510-242400	NA	24	38,0	1 1/2"	24	1 7/8-12	57,5	50,0
1238091	H1312510-323200	NA	32	51,0	2"	32	2 1/2-12	77,0	65,0

// H1322512

JIC Female 37° Seat
DKJ

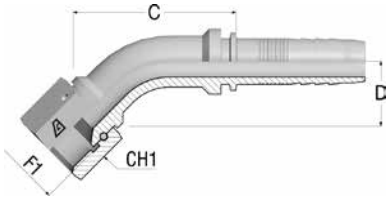


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH1
			Dash	mm	in	Dash Size		mm	mm
1241618	H1322512-121200	TN	12	19,0	3/4"	12	1 1/16-12	22,2	32,0
1241619	H1322512-121600	TN	12	19,0	3/4"	16	1 5/16-12	25,0	38,0
1241620	H1322512-161600	TN	16	25,0	1"	16	1 5/16-12	27,0	38,0
1241621	H1322512-162000	TN	16	25,0	1"	20	1 5/8-12	29,0	50,0
1241622	H1322512-202000	TN	20	32,0	1 1/4"	20	1 5/8-12	31,5	50,0
1241623	H1322512-202400	TN	20	32,0	1 1/4"	24	1 7/8-12	34,0	55,0
1241624	H1322512-242400	TN	24	38,0	1 1/2"	24	1 7/8-12	36,5	55,0

Dimensions shown may be changed without prior notice

// H1322542

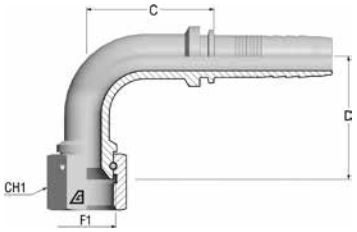
45° JIC Female 37° Seat - Medium Drop
DKJ 45M
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1226205	H1322542-121200	TN	12	19,0	3/4"	12	1 1/16-12	69,5	27,5	32,0
1241631	H1322542-121600	TN	12	19,0	3/4"	16	1 5/16-12	69,0	33,5	38,0
1226206	H1322542-161600	TN	16	25,0	1"	16	1 5/16-12	84,8	31,0	38,0
1238251	H1322542-202000	TN	20	32,0	1 1/4"	20	1 5/8-12	99,0	37,0	50,0
1226207	H1322542-242400	TN	24	38,0	1 1/2"	24	1 7/8-12	118,3	43,5	55,0

// H1322592

90° JIC Female 37° Seat - Medium Drop
DKJ 90M
Solid one piece



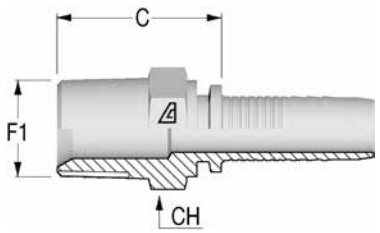
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1226209	H1322592-121200	TN	12	19,0	3/4"	12	1 1/16-12	59,1	57,0	32,0
1226211	H1322592-121600	TN	12	19,0	3/4"	16	1 5/16-12	58,1	63,5	38,0
1226212	H1322592-161600	TN	16	25,0	1"	16	1 5/16-12	75,7	67,0	38,0
1238254	H1322592-202000	TN	20	32,0	1 1/4"	20	1 5/8-12	84,0	78,0	50,0
1230690	H1322592-242400	TN	24	38,0	1 1/2"	24	1 7/8-12	105,3	92,0	55,0
1238255	H1322592-323200	TN	32	51,0	2"	32	2 1/2-12	147,5	135,0	70,0

Dimensions shown may be changed without prior notice

// NPTF INSERTS

// H1312810

NPTF Male 60° Seat
AGN



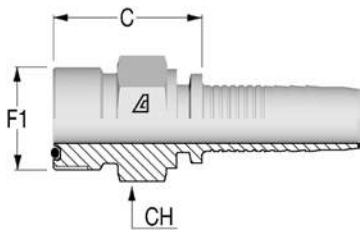
Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1226172	H1312810-121200	NA	12	19,0	3/4"	12	3/4-14	35,5	27,0
1226173	H1312810-161600	NA	16	25,0	1"	16	1-11 1/2	46,5	36,0
1238093	H1312810-202000	NA	20	32,0	1 1/4"	20	1 1/4-11 1/2	41,0	46,0
1238095	H1312810-323200	NA	32	51,0	2"	32	2-11 1/2	69,2	65,0

Dimensions shown may be changed without prior notice

// ORFS INSERTS

// H1312410

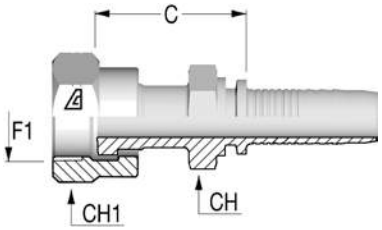
ORFS Male



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1230556	H1312410-121200	NA	12	19,0	3/4"	12	1 3/16-12	32,7	32,0
1226166	H1312410-161600	NA	16	25,0	1"	16	1 7/16-12	35,7	38,0
1230557	H1312410-202000	NA	20	32,0	1 1/4"	20	1 11/16-12	38,7	46,0
1226167	H1312410-242400	NA	24	38,0	1 1/2"	24	2-12	41,8	55,0

// H1322411

ORFS Female with Stem Hexagon

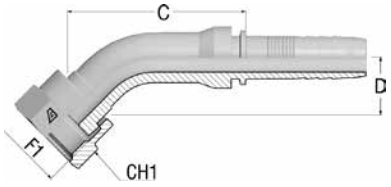


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1226190	H1322411-121200	CR	12	19,0	3/4"	12	1 3/16-12	44,5	30,0	36,0
1226191	H1322411-121600	CR	12	19,0	3/4"	16	1 7/16-12	50,5	36,0	41,0
1242141	H1322411-161200	CR	16	25,0	1"	12	1 3/16-12	42,0	32,0	36,0
1226192	H1322411-161600	CR	16	25,0	1"	16	1 7/16-12	52,5	36,0	41,0
1226193	H1322411-162000	CR	16	25,0	1"	20	1 11/16-12	53,5	41,0	50,0
1226194	H1322411-202000	CR	20	32,0	1 1/4"	20	1 11/16-12	56,0	41,0	50,0
1226195	H1322411-242400	CR	24	38,0	1 1/2"	24	2-12	62,5	50,0	60,0

Dimensions shown may be changed without prior notice

// H1322441

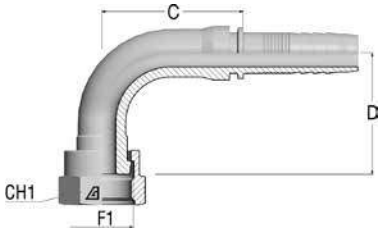
45° ORFS Female - Medium Drop
DK ORFS 45M
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1226196	H1322441-121200	CR	12	19,0	3/4"	12	1 3/16-12	32,5	26,0	36,0
1226197	H1322441-121600	CR	12	19,0	3/4"	16	1 7/16-12	31,2	28,0	41,0
1226198	H1322441-161600	CR	16	25,0	1"	16	1 7/16-12	94,0	28,0	41,0
1241634	H1322441-162000	CR	16	25,0	1"	20	1 11/16-12	88,0	28,0	50,0
1238249	H1322441-202000	CR	20	32,0	1 1/4"	20	1 11/16-12	110,0	36,5	50,0

// H1322491

90° ORFS Female - Medium Drop
DK ORFS 90M
Solid one piece



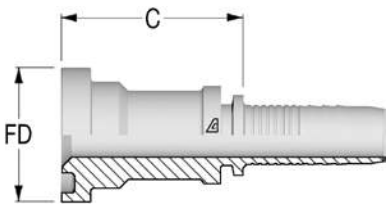
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1226200	H1322491-121200	CR	12	19,0	3/4"	12	1 3/16-12	67,6	58,0	36,0
1226201	H1322491-121600	CR	12	19,0	3/4"	16	1 7/16-12	69,6	58,0	36,0
1226202	H1322491-161600	CR	16	25,0	1"	16	1 7/16-12	79,6	66,0	41,0
1241635	H1322491-162000	CR	16	25,0	1"	20	1 11/16-12	73,0	66,0	50,0
1226203	H1322491-202000	CR	20	32,0	1 1/4"	20	1 11/16-12	102,4	81,0	50,0

Dimensions shown may be changed without prior notice

// SAE FLANGES

// H1343310

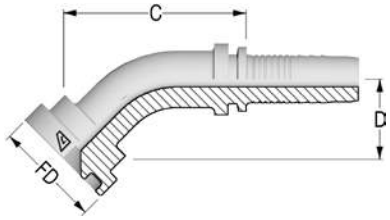
Flange SAE 3000 PSI J518 Code 61 - SFL



Item Code	Part Number	ID			Flange	Flange Size	C	FD	WP
		Dash	mm	in	Dash Size		mm	mm	psi
1226222	H1343310-121200	12	19,0	3/4"	12	3/4	43,5	38,1	5000
1226224	H1343310-161600	16	25,0	1"	16	1	53,5	44,5	5000
1226225	H1343310-162000	16	25,0	1"	20	1 1/4	56,0	50,8	5000
1241602	H1343310-201600	20	32,0	1 1/4"	16	1	58,5	44,4	5000
1226227	H1343310-202000	20	32,0	1 1/4"	20	1 1/4	58,5	50,8	5000
1241604	H1343310-202400	20	32,0	1 1/4"	24	1 1/2	61,5	60,3	5000
1241603	H1343310-242000	24	38,0	1 1/2"	20	1 1/4	55,5	50,8	5000
1226228	H1343310-242400	24	38,0	1 1/2"	24	1 1/2	63,5	60,3	5000
1226229	H1343310-243200	24	38,0	1 1/2"	32	2	75,0	71,4	5000
1235374	H1343310-323200	32	50,0	2"	32	2	85,0	71,4	5000

// H1343340

45° Flange SAE 3000 PSI J518 Code 61 - SFL 45
Solid one piece

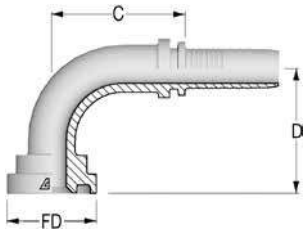


Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1226233	H1343340-162000	16	25,0	1"	20	1 1/4	50,8	88,9	32,5	5000
1226234	H1343340-202000	20	32,0	1 1/4"	20	1 1/4	50,8	94,3	38,5	5000
1226235	H1343340-242400	24	38,0	1 1/2"	24	1 1/2	60,3	99,8	43,0	5000
1233534	H1343340-323200	32	50,0	2"	32	2	71,4	154,0	54,0	5000

Dimensions shown may be changed without prior notice

// H1343390

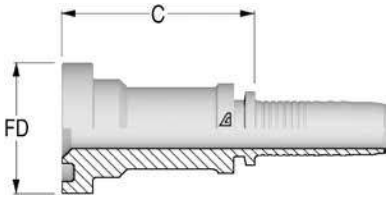
90° Flange SAE 3000 PSI J518 Code 61 - SFL 90
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1226241	H1343390-161600	16	25,0	1"	16	1	44,5	78,1	64,0	5000
1226242	H1343390-162000	16	25,0	1"	20	1 1/4	50,8	74,7	69,0	5000
1226244	H1343390-202000	20	32,0	1 1/4"	20	1 1/4	50,8	92,0	81,0	5000
1241608	H1343390-202400	20	32,0	1 1/4"	24	1 1/2	60,3	87,0	85,0	5000
1226245	H1343390-242400	24	38,0	1 1/2"	24	1 1/2	60,3	103,0	93,0	5000
1235375	H1343390-323200	32	50,0	2"	32	2	71,4	139,0	130,0	5000

// H1343610

Flange SAE 6000 PSI J518 Code 62 - SFS

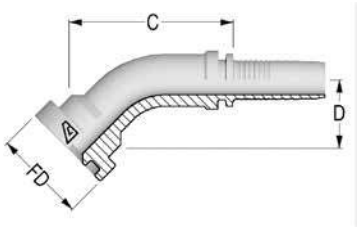


Item Code	Part Number	ID			Flange	Flange Size	C	FD	WP
		Dash	mm	in	Dash Size		mm	mm	psi
1226247	H1343610-121200	12	19,0	3/4"	12	3/4	53,5	41,3	6000
1226248	H1343610-121600	12	19,0	3/4"	16	1	56,5	47,6	6000
1226623	H1343610-161200	16	25,0	1"	12	3/4	58,5	41,3	6000
1226250	H1343610-161600	16	25,0	1"	16	1	58,5	47,6	6000
1226624	H1343610-162000	16	25,0	1"	20	1 1/4	65,5	54,0	6000
1236992	H1343610-201600	20	32,0	1 1/4"	16	1	61,0	47,6	6000
1226252	H1343610-202000	20	32,0	1 1/4"	20	1 1/4	64,0	54,0	6000
1226253	H1343610-202400	20	32,0	1 1/4"	24	1 1/2	74,0	63,5	6000
1241614	H1343610-242000	24	38,0	1 1/2"	20	1 1/4	71,0	54,0	6000
1226254	H1343610-242400	24	38,0	1 1/2"	24	1 1/2	76,0	63,5	6000
1226255	H1343610-243200	24	38,0	1 1/2"	32	2	88,0	79,4	6000
1241615	H1343610-322400	32	51,0	2"	24	1 1/2	86,0	63,5	6000
1235378	H1343610-323200	32	50,0	2"	32	2	103,0	79,4	6000

Dimensions shown may be changed without prior notice

// H1343640

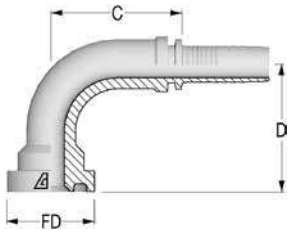
45° Flange SAE 6000 PSI J518 Code 62 - SFS 45
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1226261	H1343640-121200	12	19,0	3/4"	12	3/4	41,3	62,8	30,0	6000
1226262	H1343640-121600	12	19,0	3/4"	16	1	47,6	65,4	33,0	6000
1241609	H1343640-161200	16	25,0	1"	12	3/4	41,3	77,0	29,5	6000
1226263	H1343640-161600	16	25,0	1"	16	1	47,6	82,9	38,5	6000
1226264	H1343640-162000	16	25,0	1"	20	1 1/4	54,0	78,0	44,0	6000
1242142	H1343640-201600	20	32,0	1 1/4"	16	1	47,6	104,7	34,5	6000
1238305	H1343640-202000	20	32,0	1 1/4"	20	1 1/4	54,0	103,0	41,0	6000
1241610	H1343640-202400	20	32,0	1 1/4"	24	1 1/2	63,5	117,0	48,0	6000
1226265	H1343640-242400	24	38,0	1 1/2"	24	1 1/2	63,5	122,5	48,0	6000
1235379	H1343640-323200	32	50,0	2"	32	2	79,4	177,0	61,0	6000

// H1343690

90° Flange SAE 6000 PSI J518 Code 62 - SFS 90
Solid one piece



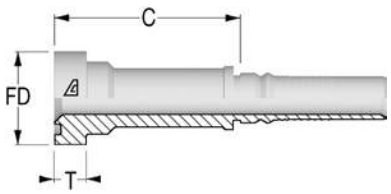
Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1226270	H1343690-121200	12	19,0	3/4"	12	3/4	41,3	64,7	64,0	6000
1226271	H1343690-121600	12	19,0	3/4"	16	1	47,6	64,7	66,0	6000
1226633	H1343690-161200	16	25,0	1"	12	3/4	41,3	74,7	61,0	6000
1226273	H1343690-161600	16	25,0	1"	16	1	47,6	74,8	74,0	6000
1226274	H1343690-162000	16	25,0	1"	20	1 1/4	54,0	78,8	85,0	6000
1241611	H1343690-201600	20	32,0	1 1/4"	16	1	47,6	87,0	72,0	6000
1230765	H1343690-202000	20	32,0	1 1/4"	20	1 1/4	54,0	96,0	91,0	6000
1238310	H1343690-202400	20	32,0	1 1/4"	24	1 1/2	63,5	99,0	103,5	6000
1226276	H1343690-242400	24	38,0	1 1/2"	24	1 1/2	63,5	113,8	109,0	6000
1235381	H1343690-323200	32	50,0	2"	32	2	79,4	172,0	131,0	6000

Dimensions shown may be changed without prior notice

// SUPERCAT FLANGES

// H1343910

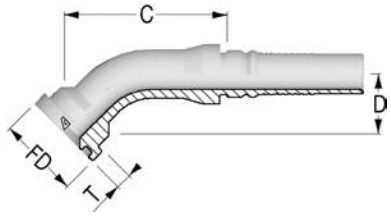
Flange SUPERCAT



Item Code	Part Number	ID			Flange	Flange Size	FD	T	C
		Dash	mm	in	Dash Size		mm	mm	mm
1226278	H1343910-121200	12	19,0	3/4"	12	3/4	41,3	14,3	85,5
1226279	H1343910-121600	12	19,0	3/4"	16	1	47,6	14,3	85,5
1226280	H1343910-161600	16	25,0	1"	16	1	47,6	14,3	94,5
1226281	H1343910-162000	16	25,0	1"	20	1 1/4	54,0	14,3	94,5
1226282	H1343910-202000	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	92,0
1226283	H1343910-202400	20	32,0	1 1/4"	24	1 1/2	63,5	14,3	87,0

// H1343940

45° Flange SUPERCAT
Solid one piece

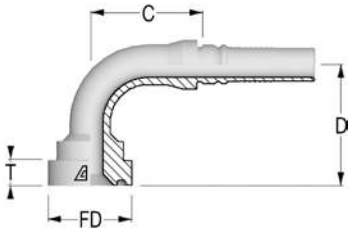


Item Code	Part Number	ID			Flange	Flange Size	FD	T	C	D Drop
		Dash	mm	in	Dash Size		mm	mm	mm	mm
1226289	H1343940-121200	12	19,0	3/4"	12	3/4	41,3	14,3	107,0	34,0
1241612	H1343940-121600	12	19,0	3/4"	16	1	47,6	14,3	112,0	34,0
1226290	H1343940-161600	16	25,0	1"	16	1	47,6	14,3	129,0	42,5
1226291	H1343940-162000	16	25,0	1"	20	1 1/4	54,0	14,3	128,0	40,0
1226292	H1343940-202000	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	150,0	45,1
1238317	H1343940-202400	20	32,0	1 1/4"	24	1 1/2	63,5	14,3	152,0	60,0

Dimensions shown may be changed without prior notice

// H1343990

90° Flange SUPERCAT
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	T	C	D Drop
		Dash	mm	in	Dash Size		mm	mm	mm	mm
1226297	H1343990-121200	12	19,0	3/4"	12	3/4	41,3	14,3	67,2	67,0
1226298	H1343990-121600	12	19,0	3/4"	16	1	47,6	14,3	68,7	70,0
1226299	H1343990-161600	16	25,0	1"	16	1	47,6	14,3	84,8	79,0
1226301	H1343990-162000	16	25,0	1"	20	1 1/4	54,0	14,3	79,8	82,5
1238312	H1343990-202000	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	97,0	93,0
1238315	H1343990-202400	20	32,0	1 1/4"	24	1 1/2	63,5	14,3	97,0	101,0

// INTERLOCK

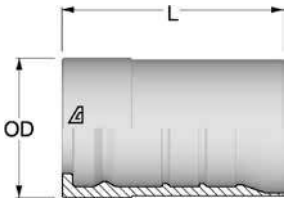
// FERRULES 115
// HOSE MENDER 116
// BSP INSERTS 117
// DIN METRIC INSERTS 119
// JIC 37° INSERTS 121
// NPTF INSERTS 123
// ORFS INSERTS 124
// SAE FLANGES 126
// SUPERCAT FLANGES 130
// HAMMER UNION 131

Dimensions shown may be changed without prior notice

// FERRULES

// H1400200

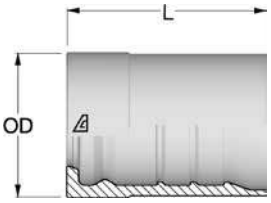
Interlock Dual Skive Ferrule for 4 Spiral Hoses



Item Code	Part Number	ID			OD	L
		Dash	mm	in	mm	mm
1201571	H1400200-060000	06	10,0	3/8"	27,0	49,0
1201856	H1400200-080000	08	13,0	1/2"	30,0	52,5
1201502	H1400200-100000	10	16,0	5/8"	34,0	57,5
1201503	H1400200-120000	12	19,0	3/4"	38,0	60,2
1201504	H1400200-160000	16	25,0	1"	46,0	74,7
1200098	H1400200-200000	20	31,0	1 1/4"	55,0	88,2
1200099	H1400200-240000	24	38,0	1 1/2"	62,0	94,2
1201284	H1400200-320000	32	51,0	2"	78,0	99,2

// H1400301

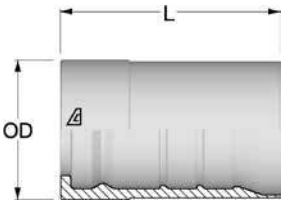
Interlock Dual Skive Ferrule for 4-6 Spiral Hoses



Item Code	Part Number	ID			OD	L
		Dash	mm	in	mm	mm
1202585	H1400301-100000	10	16,0	5/8"	35,5	57,5
1202730	H1400301-120000	12	19,0	3/4"	43,5	60,0
1202222	H1400301-160000	16	25,0	1"	52,0	75,0
1201761	H1400301-200000	20	31,0	1 1/4"	62,0	88,0
1201805	H1400301-240000	24	38,0	1 1/2"	69,5	94,0
1202006	H1400301-320000	32	51,0	2"	88,0	99,0

// H1T00600

Interlock Dual Skive Special Ferrule



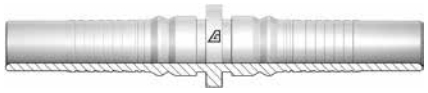
Item Code	Part Number	ID			OD	L
		Dash	mm	in	mm	mm
1225872	H1T00600-320000	32	51,0	2"	88,1	108,2

Dimensions shown may be changed without prior notice

// HOSE MENDER

// H14C5610

Hose Mender



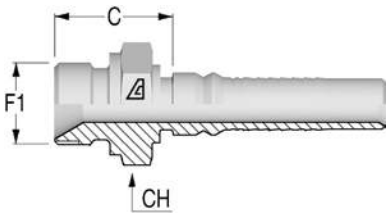
Item Code	Part Number	ID		
		Dash	mm	in
1219636	H14C5610-101000	10	16,0	5/8"
1235392	H14C5610-202000	20	32,0	1 1/4"
1235393	H14C5610-242400	24	38,0	1 1/2"
1235394	H14C5610-323200	32	51,0	2"

Dimensions shown may be changed without prior notice

// BSP INSERTS

// H1410510

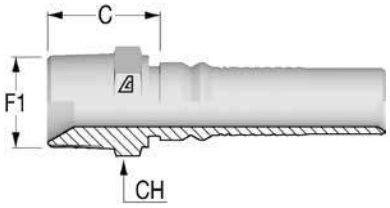
BSPP Male 60° Flare
AGR



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1200218	H1410510-121200	NA	12	19,0	3/4"	12	3/4-14	34,0	32,0
1200239	H1410510-161600	NA	16	25,0	1"	16	1-11	40,0	41,0
1201219	H1410510-202000	NA	20	32,0	1 1/4"	20	1 1/4-11	45,2	50,0
1200280	H1410510-242400	NA	24	38,0	1 1/2"	24	1 1/2-11	48,5	55,0
1201080	H1410510-323200	NA	32	51,0	2"	32	2-11	55,5	70,0

// H1410710

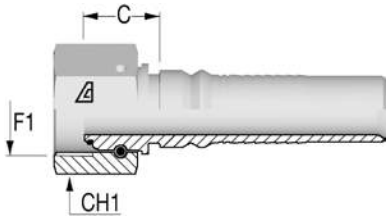
BSPT Male
AGR K



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1200215	H1410710-121200	NA	12	19,0	3/4"	12	3/4-14	32,0	27,0
1200237	H1410710-161600	NA	16	25,0	1"	16	1-11	42,0	36,0
1200261	H1410710-202000	NA	20	32,0	1 1/4"	20	1 1/4-11	46,2	46,0
1200278	H1410710-242400	NA	24	38,0	1 1/2"	24	1 1/2-11	48,0	50,0

// H1420812

BSPP Female 60° Cone with O-Ring
DKOR

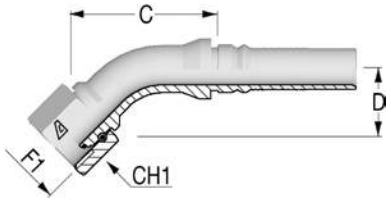


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH1
			Dash	mm	in	Dash Size		mm	mm
1214247	H1420811-080800	CR	08	13,0	1/2"	08	1/2-14	19,5	27,0
1202424	H1420812-121200	TN	12	19,0	3/4"	12	3/4-14	22,5	32,0
1202440	H1420812-161600	TN	16	25,0	1"	16	1-11	25,5	38,0
1201132	H1420812-202000	TN	20	32,0	1 1/4"	20	1 1/4-11	30,2	50,0
1201134	H1420812-242400	TN	24	38,0	1 1/2"	24	1 1/2-11	33,5	55,0
1201136	H1420812-323200	TN	32	51,0	2"	32	2-11	35,0	70,0

Dimensions shown may be changed without prior notice

// H1420842

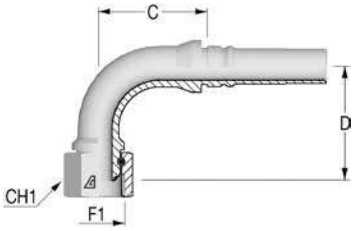
45° BSPP Female 60° Cone with O-Ring
DKOR 45
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1202447	H1420842-121200	TN	12	19,0	3/4"	12	3/4-14	72,0	30,0	32,0
1202446	H1420842-161600	TN	16	25,0	1"	16	1-11	81,0	34,0	38,0
1202444	H1420842-202000	TN	20	32,0	1 1/4"	20	1 1/4-11	97,2	40,0	50,0
1202442	H1420842-242400	TN	24	38,0	1 1/2"	24	1 1/2-11	113,0	46,0	55,0
1201535	H1420842-323200	TN	32	51,0	2"	32	2-11	151,0	60,0	70,0

// H1420892

90° BSPP Female 60° Cone with O-Ring
DKOR 90
Solid one piece



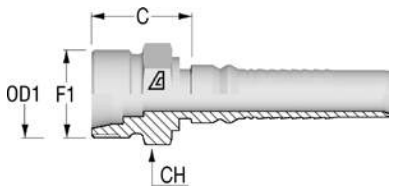
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1200217	H1420892-121200	TN	12	19,0	3/4"	12	3/4-14	58,0	61,0	32,0
1202445	H1420892-161600	TN	16	25,0	1"	16	1-11	75,0	71,0	38,0
1202443	H1420892-202000	TN	20	32,0	1 1/4"	20	1 1/4-11	79,2	83,0	50,0
1202441	H1420892-242400	TN	24	38,0	1 1/2"	24	1 1/2-11	93,5	96,0	55,0
1200288	H1420892-323200	TN	32	51,0	2"	32	2-11	134,0	125,0	70,0

Dimensions shown may be changed without prior notice

// DIN METRIC INSERTS

// H1411210

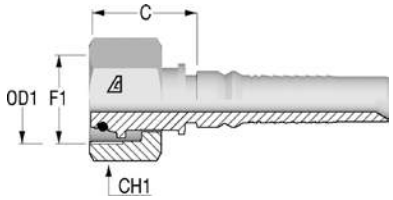
Metric Male 24° Seat - Heavy
DIN 3853 - CES



Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH
			Dash	mm	in		mm	mm	mm
1216929	H1411210-082400	NA	08	13,0	1/2"	M24X1.5	16	27,0	24,0
1201077	H1411210-103000	NA	10	16,0	5/8"	M30X2	20	31,0	32,0
1200212	H1411210-123600	NA	12	19,0	3/4"	M36X2	25	35,0	36,0
1200236	H1411210-164200	NA	16	25,0	1"	M42X2	30	40,0	46,0
1200260	H1411210-205200	NA	20	32,0	1 1/4"	M52X2	38	45,2	55,0

// H1421613

Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS

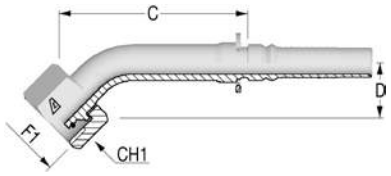


Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH1
			Dash	mm	in		mm	mm	mm
1201857	H1421613-082400	SN	08	13,0	1/2"	M24X1.5	16	29,6	30,0
1201118	H1421613-103000	SN	10	16,0	5/8"	M30X2	20	34,4	36,0
1202584	H1421612-123000	TN	12	19,0	3/4"	M30X2	20	37,5	36,0
1201092	H1421613-123600	SN	12	19,0	3/4"	M36X2	25	37,6	46,0
1202887	H1421612-163600	TN	16	25,0	1"	M36X2	25	38,8	46,0
1201125	H1421613-164200	SN	16	25,0	1"	M42X2	30	40,7	50,0
1216935	H1421612-204200	TN	20	32,0	1 1/4"	M42X2	30	43,6	50,0
1201129	H1421613-205200	SN	20	32,0	1 1/4"	M52X2	38	45,3	60,0
1216936	H1421612-245200	TN	24	38,0	1 1/2"	M52X2	38	50,8	60,0

Dimensions shown may be changed without prior notice

// H1421643

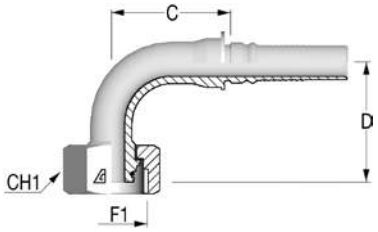
45° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 45
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in		mm	mm	mm	mm
1216942	H1421643-082400	SN	08	13,0	1/2"	M24X1.5	16	83,0	29,0	30,0
1202073	H1421643-103000	SN	10	16,0	5/8"	M30X2	20	59,0	31,5	36,0
1202583	H1421642-123000	TN	12	19,0	3/4"	M30X2	20	74,0	33,0	36,0
1202079	H1421643-123600	SN	12	19,0	3/4"	M36X2	25	78,1	36,0	46,0
1216940	H1421642-163600	TN	16	25,0	1"	M36X2	25	86,5	37,5	46,0
1201724	H1421643-164200	SN	16	25,0	1"	M42X2	30	96,8	38,0	50,0
1202003	H1421643-205200	SN	20	32,0	1 1/4"	M52X2	38	112,7	48,0	60,0
1216941	H1421642-245200	TN	24	38,0	1 1/2"	M52X2	38	111,0	44,0	60,0

// H1421693

90° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 90
Solid one piece



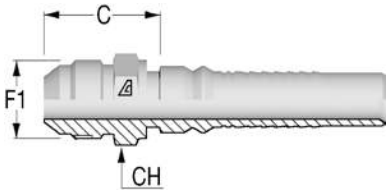
Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in		mm	mm	mm	mm
1203125	H1421693-082400	SN	08	13,0	1/2"	M24X1.5	16	52,0	50,0	30,0
1202072	H1421693-103000	SN	10	16,0	5/8"	M30X2	20	48,0	55,0	36,0
1202582	H1421692-123000	TN	12	19,0	3/4"	M30X2	20	61,0	67,5	36,0
1201723	H1421693-123600	SN	12	19,0	3/4"	M36X2	25	61,7	65,0	46,0
1203126	H1421692-163600	TN	16	25,0	1"	M36X2	25	76,5	82,0	46,0
1201740	H1421693-164200	SN	16	25,0	1"	M42X2	30	86,4	79,0	50,0
1201059	H1421693-205200	SN	20	32,0	1 1/4"	M52X2	38	90,9	101,0	60,0
1216945	H1421692-245200	TN	24	38,0	1 1/2"	M52X2	38	100,5	102,0	60,0

Dimensions shown may be changed without prior notice

// JIC 37° INSERTS

// H1412510

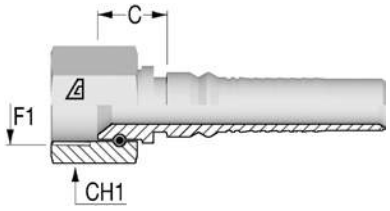
JIC Male 37° Cone
AGJ



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1200216	H1412510-121200	NA	12	19,0	3/4"	12	1 1/16-12	37,0	32,0
1201094	H1412510-121600	NA	12	19,0	3/4"	16	1 5/16-12	40,0	36,0
1200238	H1412510-161600	NA	16	25,0	1"	16	1 5/16-12	41,0	36,0
1201787	H1412510-162000	NA	16	25,0	1"	20	1 5/8-12	44,5	46,0
1200262	H1412510-202000	NA	20	32,0	1 1/4"	20	1 5/8-12	45,7	46,0
1216931	H1412510-202400	NA	20	32,0	1 1/4"	24	1 7/8-12	49,7	50,0
1200279	H1412510-242400	NA	24	38,0	1 1/2"	24	1 7/8-12	50,0	50,0
1201798	H1412510-323200	NA	32	51,0	2"	32	2 1/2-12	61,0	65,0

// H1422512

JIC Female 37° Seat
DKJ

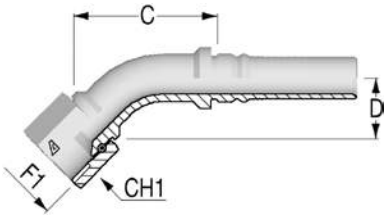


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH1
			Dash	mm	in	Dash Size		mm	mm
1201265	H1422512-101200	TN	10	16,0	5/8"	12	1 1/16-12	18,7	32,0
1201121	H1422512-121200	TN	12	19,0	3/4"	12	1 1/16-12	18,7	32,0
1201122	H1422512-121600	TN	12	19,0	3/4"	16	1 5/16-12	21,5	38,0
1201126	H1422512-161600	TN	16	25,0	1"	16	1 5/16-12	22,5	38,0
1201127	H1422512-162000	TN	16	25,0	1"	20	1 5/8-12	24,5	50,0
1201131	H1422512-202000	TN	20	32,0	1 1/4"	20	1 5/8-12	25,7	50,0
1216973	H1422512-202400	TN	20	32,0	1 1/4"	24	1 7/8-12	28,2	55,0
1201133	H1422512-242400	TN	24	38,0	1 1/2"	24	1 7/8-12	29,0	55,0
1201135	H1422512-323200	TN	32	51,0	2"	32	2 1/2-12	34,0	70,0

Dimensions shown may be changed without prior notice

// H1422542

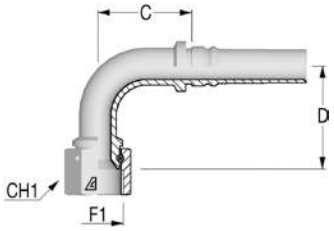
45° JIC Female 37° Seat
DKJ 45
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1201485	H1422542-121200	TN	12	19,0	3/4"	12	1 1/16-12	66,0	27,5	32,0
1202098	H1422542-121600	TN	12	19,0	3/4"	16	1 5/16-12	72,0	30,0	38,0
1201486	H1422542-161600	TN	16	25,0	1"	16	1 5/16-12	79,5	31,0	38,0
1201487	H1422542-202000	TN	20	32,0	1 1/4"	20	1 5/8-12	93,0	37,0	50,0
1201765	H1422542-242400	TN	24	38,0	1 1/2"	24	1 7/8-12	121,0	38,0	55,0

// H1422592

90° JIC Female 37° Seat
DKJ 90
Solid one piece



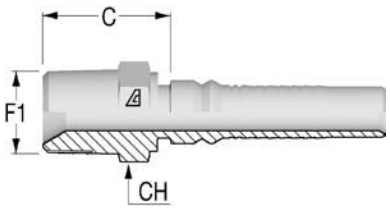
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1201488	H1422592-121200	TN	12	19,0	3/4"	12	1 1/16-12	45,0	57,0	32,0
1202103	H1422592-121600	TN	12	19,0	3/4"	16	1 5/16-12	58,0	60,5	38,0
1201489	H1422592-161600	TN	16	25,0	1"	16	1 5/16-12	71,0	67,0	38,0
1201490	H1422592-202000	TN	20	32,0	1 1/4"	20	1 5/8-12	79,2	78,0	50,0
1201491	H1422592-242400	TN	24	38,0	1 1/2"	24	1 7/8-12	94,5	92,0	55,0
1201796	H1422592-323200	TN	32	51,0	2"	32	2 1/2-12	132,0	120,5	70,0

Dimensions shown may be changed without prior notice

// NPTF INSERTS

// H1412810

NPTF Male 60° Seat
AGN



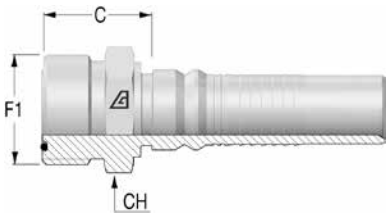
Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1201609	H1412810-060600	NA	06	10,0	3/8"	06	3/8-18	26,5	19,0
1203127	H1412810-080800	NA	08	13,0	1/2"	08	1/2-14	30,0	22,0
1200193	H1412810-121200	NA	12	19,0	3/4"	12	3/4-14	32,0	27,0
1200219	H1412810-161600	NA	16	25,0	1"	16	1-11 1/2	42,0	36,0
1200240	H1412810-202000	NA	20	32,0	1 1/4"	20	1 1/4-11 1/2	46,2	46,0
1200263	H1412810-242400	NA	24	38,0	1 1/2"	24	1 1/2-11 1/2	48,0	50,0
1200281	H1412810-323200	NA	32	51,0	2"	32	2-11 1/2	53,2	65,0

Dimensions shown may be changed without prior notice

// ORFS INSERTS

// H1412410

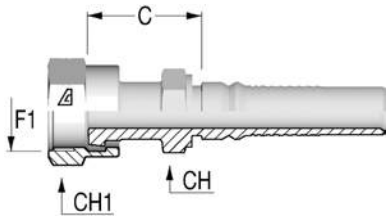
ORFS Male



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1214664	H1412410-121200	NA	12	19,0	3/4"	12	1 3/16-12	30,2	30,0
1231483	H1412410-161600	NA	16	25,0	1"	16	1 7/16-12	35,8	38,0
1226310	H1412410-202000	NA	20	32,0	1 1/4"	20	1 11/16-12	39,1	46,0
1226312	H1412410-242400	NA	24	38,0	1 1/2"	24	2-12	41,0	55,0

// H1422411

ORFS Female with Stem Hexagon

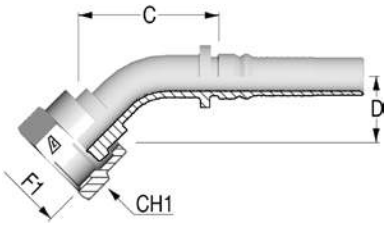


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1202864	H1422411-101200	CR	10	16,0	5/8"	12	1 3/16-12	40,0	30,0	36,0
1202099	H1422411-121200	CR	12	19,0	3/4"	12	1 3/16-12	40,0	30,0	36,0
1202106	H1422411-121600	CR	12	19,0	3/4"	16	1 7/16-12	43,0	36,0	41,0
1216952	H1422411-161200	CR	16	25,0	1"	12	1 3/16-12	42,0	32,0	36,0
1202071	H1422411-161600	CR	16	25,0	1"	16	1 7/16-12	47,0	36,0	41,0
1202107	H1422411-162000	CR	16	25,0	1"	20	1 11/16-12	49,0	46,0	50,0
1216955	H1422411-201600	CR	20	32,0	1 1/4"	16	1 7/16-12	47,2	41,0	41,0
1201807	H1422411-202000	CR	20	32,0	1 1/4"	20	1 11/16-12	47,2	46,0	50,0
1216956	H1422411-242400	CR	24	38,0	1 1/2"	24	2-12	52,0	50,0	60,0

Dimensions shown may be changed without prior notice

// H1422441

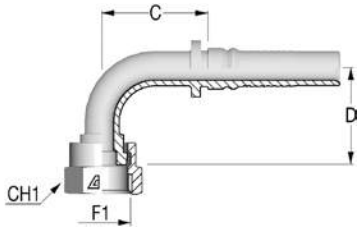
45° ORFS Female
DK ORFS 45
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1202108	H1422441-121200	CR	12	19,0	3/4"	12	1 3/16-12	77,7	26,0	36,0
1202109	H1422441-121600	CR	12	19,0	3/4"	16	1 7/16-12	68,4	28,0	41,0
1202110	H1422441-161600	CR	16	25,0	1"	16	1 7/16-12	114,0	28,0	41,0
1202111	H1422441-162000	CR	16	25,0	1"	20	1 11/16-12	83,4	28,0	50,0
1202112	H1422441-202000	CR	20	32,0	1 1/4"	20	1 11/16-12	100,7	33,0	50,0

// H1422491

90° ORFS Female
DK ORFS 90
Solid one piece



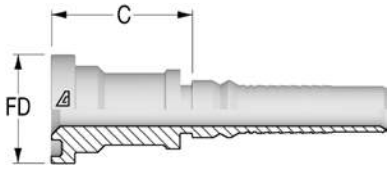
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1203123	H1422491-101200	CR	10	16,0	5/8"	12	1 3/16-12	48,1	58,0	36,0
1202117	H1422491-121200	CR	12	19,0	3/4"	12	1 3/16-12	64,2	58,0	36,0
1202116	H1422491-121600	CR	12	19,0	3/4"	16	1 7/16-12	66,2	58,0	41,0
1202115	H1422491-161600	CR	16	25,0	1"	16	1 7/16-12	75,2	66,0	41,0
1202114	H1422491-162000	CR	16	25,0	1"	20	1 11/16-12	73,2	66,0	50,0
1202113	H1422491-202000	CR	20	32,0	1 1/4"	20	1 11/16-12	91,7	81,0	50,0

Dimensions shown may be changed without prior notice

// SAE FLANGES

// H1443310

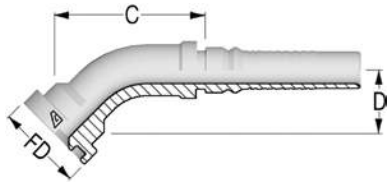
Flange SAE 3000 PSI J518 Code 61 - SFL



Item Code	Part Number	ID			Flange	Flange Size	C	FD	WP
		Dash	mm	in	Dash Size		mm	mm	psi
1200233	H1443310-161600	16	25,0	1"	16	1	49,0	44,5	5000
1200234	H1443310-162000	16	25,0	1"	20	1 1/4	51,5	50,8	4000
1200257	H1443310-202000	20	32,0	1 1/4"	20	1 1/4	52,7	50,8	4000
1200256	H1443310-202400	20	32,0	1 1/4"	24	1 1/2	55,7	60,3	3000
1200276	H1443310-242400	24	38,0	1 1/2"	24	1 1/2	56,0	60,3	3000
1200277	H1443310-243200	24	38,0	1 1/2"	32	2	67,5	71,4	3000
1200287	H1443310-323200	32	51,0	2"	32	2	69,0	71,4	3000

// H1443340

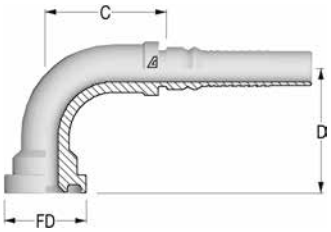
45° Flange SAE 3000 PSI J518 Code 61 - SFL 45
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1200230	H1443340-162000	16	25,0	1"	20	1 1/4	50,8	95,6	30,0	4000
1200253	H1443340-202000	20	32,0	1 1/4"	20	1 1/4	50,8	100,9	32,5	4000
1200252	H1443340-202400	20	32,0	1 1/4"	24	1 1/2	60,3	92,8	40,0	3000
1200272	H1443340-242400	24	38,0	1 1/2"	24	1 1/2	60,3	103,7	43,0	3000
1200273	H1443340-243200	24	38,0	1 1/2"	32	2	71,4	132,7	56,5	3000
1200285	H1443340-323200	32	51,0	2"	32	2	71,4	138,1	54,0	3000

// H1443390

90° Flange SAE 3000 PSI J518 Code 61 - SFL 90
Solid one piece

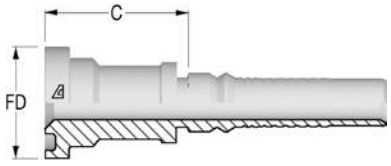


Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1200231	H1443390-161600	16	25,0	1"	16	1	44,5	72,2	64,0	5000
1200232	H1443390-162000	16	25,0	1"	20	1 1/4	50,8	70,2	69,0	4000
1200255	H1443390-202000	20	32,0	1 1/4"	20	1 1/4	50,8	86,2	81,0	4000
1200254	H1443390-202400	20	32,0	1 1/4"	24	1 1/2	60,3	81,2	85,0	3000
1200274	H1443390-242400	24	38,0	1 1/2"	24	1 1/2	60,3	95,5	93,0	3000
1200275	H1443390-243200	24	38,0	1 1/2"	32	2	71,4	130,3	97,0	3000
1200286	H1443390-323200	32	51,0	2"	32	2	71,4	134,4	130,0	3000

Dimensions shown may be changed without prior notice

// H1443610

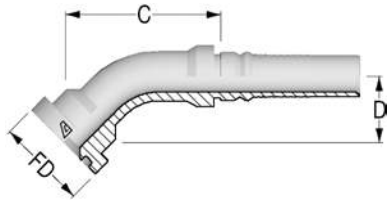
Flange SAE 6000 PSI J518 Code 62 - SFS



Item Code	Part Number	ID			Flange	Flange Size	C	FD	WP
		Dash	mm	in	Dash Size		mm	mm	psi
1200199	H1443610-121200	12	19,0	3/4"	12	3/4	50,0	41,3	6000
1200198	H1443610-121600	12	19,0	3/4"	16	1	53,0	47,6	6000
1201218	H1443610-161200	16	25,0	1"	12	3/4	51,0	41,3	6000
1200224	H1443610-161600	16	25,0	1"	16	1	54,0	47,6	6000
1200225	H1443610-162000	16	25,0	1"	20	1 1/4	61,0	54,0	6000
1201556	H1443610-201600	20	32,0	1 1/4"	16	1	80,2	47,6	6000
1200246	H1443610-202000	20	32,0	1 1/4"	20	1 1/4	62,2	54,0	6000
1200245	H1443610-202400	20	32,0	1 1/4"	24	1 1/2	68,2	63,5	6000
1200270	H1443610-242000	24	38,0	1 1/2"	20	1 1/4	62,5	54,0	6000
1200268	H1443610-242400	24	38,0	1 1/2"	24	1 1/2	68,5	63,5	6000
1200271	H1443610-243200	24	38,0	1 1/2"	32	2	80,5	79,4	6000
1200284	H1443610-323200	32	51,0	2"	32	2	87,0	79,4	6000

// H1443640

45° Flange SAE 6000 PSI J518 Code 62 - SFS 45
Solid one piece

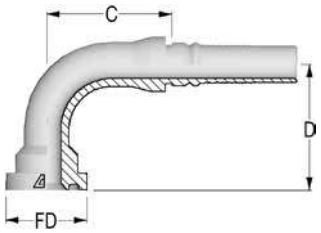


Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1200195	H1443640-121200	12	19,0	3/4"	12	3/4	41,3	72,1	30,0	6000
1200194	H1443640-121600	12	19,0	3/4"	16	1	47,6	76,8	33,0	6000
1202890	H1443640-161200	16	25,0	1"	12	3/4	41,3	80,3	29,5	6000
1200220	H1443640-161600	16	25,0	1"	16	1	47,6	94,8	35,0	6000
1200221	H1443640-162000	16	25,0	1"	20	1 1/4	54,0	105,3	44,0	6000
1201557	H1443640-201600	20	32,0	1 1/4"	16	1	47,6	104,7	34,5	6000
1200242	H1443640-202000	20	32,0	1 1/4"	20	1 1/4	54,0	102,0	39,5	6000
1200241	H1443640-202400	20	32,0	1 1/4"	24	1 1/2	63,5	111,7	48,0	6000
1200264	H1443640-242400	24	38,0	1 1/2"	24	1 1/2	63,5	136,3	48,0	6000
1200265	H1443640-243200	24	38,0	1 1/2"	32	2	79,4	129,1	55,0	6000
1200282	H1443640-323200	32	51,0	2"	32	2	79,4	160,6	63,0	6000

Dimensions shown may be changed without prior notice

// H1443690

90° Flange SAE 6000 PSI J518 Code 62 - SFS 90
Solid one piece

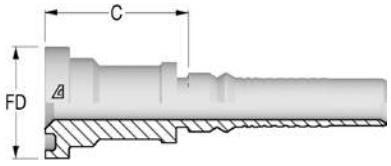


Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1200197	H1443690-121200	12	19,0	3/4"	12	3/4	41,3	61,2	64,0	6000
1200196	H1443690-121600	12	19,0	3/4"	16	1	47,6	61,2	66,0	6000
1202811	H1443690-161200	16	25,0	1"	12	3/4	41,3	70,2	61,0	6000
1200222	H1443690-161600	16	25,0	1"	16	1	47,6	70,4	74,0	6000
1200223	H1443690-162000	16	25,0	1"	20	1 1/4	54,0	77,2	80,0	6000
1200244	H1443690-202000	20	32,0	1 1/4"	20	1 1/4	54,0	88,2	91,0	6000
1200243	H1443690-202400	20	32,0	1 1/4"	24	1 1/2	63,5	92,9	103,5	6000
1200266	H1443690-242400	24	38,0	1 1/2"	24	1 1/2	63,5	106,3	109,0	6000
1200267	H1443690-243200	24	38,0	1 1/2"	32	2	79,4	106,5	121,5	6000
1200283	H1443690-323200	32	51,0	2"	32	2	79,4	146,0	145,0	6000

Dimensions shown may be changed without prior notice

// H1T43610

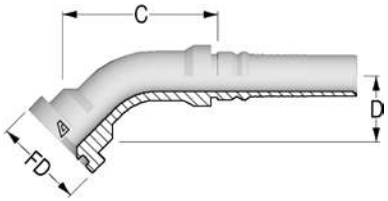
Flange SAE 6000 PSI J518 Code 62 - SFS
Special version



Item Code	Part Number	ID			Flange	Flange Size	C	FD	WP
		Dash	mm	in	Dash Size		mm	mm	psi
1223166	H1T43610-322400	32	51,0	2"	24	1 1/2	106,0	63,5	6000
1223388	H1T43610-323200	32	51,0	2"	32	2	104,0	79,4	6000
1235395	H1T43610-404000	40	63,0	2 1/2"	40	2 1/2	124,3	108,0	6000

// H1T43640

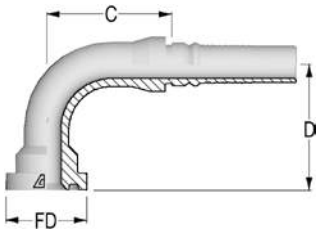
45° Flange SAE 6000 PSI J518 Code 62 - SFS 45
Solid one piece
Special version



Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1223389	H1T43640-323200	32	51,0	2"	32	2	79,4	141,0	63,0	6000

// H1T43690

90° Flange SAE 6000 PSI J518 Code 62 - SFS 90
Solid one piece
Special version



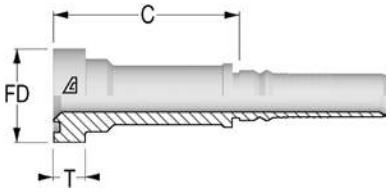
Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1223168	H1T43690-322400	32	51,0	2"	24	1 1/2	63,5	134,0	112,0	6000
1228051	H1T43690-323200	32	51,0	2"	32	2	79,4	132,0	145,0	6000

Dimensions shown may be changed without prior notice

// SUPERCAT FLANGES

// H1443910

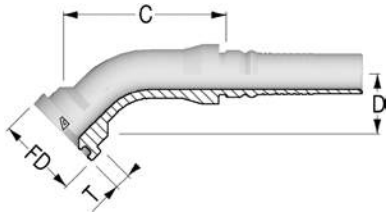
Flange SUPERCAT



Item Code	Part Number	ID			Flange	Flange Size	FD	T	C
		Dash	mm	in	Dash Size		mm	mm	mm
1202219	H1443910-121200	12	19,0	3/4"	12	3/4	41,3	14,3	82,0
1202388	H1443910-121600	12	19,0	3/4"	16	1	47,6	14,3	82,0
1202389	H1443910-161600	16	25,0	1"	16	1	47,6	14,3	90,0
1202390	H1443910-162000	16	25,0	1"	20	1 1/4	54,0	14,3	90,0
1202391	H1443910-202000	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	86,2
1202392	H1443910-202400	20	32,0	1 1/4"	24	1 1/2	63,5	14,3	83,2

// H1443940

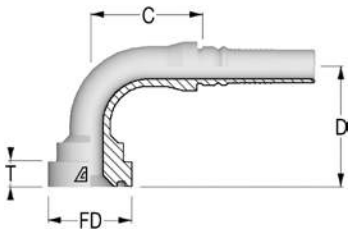
45° Flange SUPERCAT
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	T	C	D Drop
		Dash	mm	in	Dash Size		mm	mm	mm	mm
1202398	H1443940-121200	12	19,0	3/4"	12	3/4	41,3	14,3	82,9	34,0
1202397	H1443940-121600	12	19,0	3/4"	16	1	47,6	14,3	87,4	34,0
1202396	H1443940-161600	16	25,0	1"	16	1	47,6	14,3	93,9	40,0
1202395	H1443940-162000	16	25,0	1"	20	1 1/4	54,0	14,3	95,4	40,0
1202394	H1443940-202000	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	103,6	43,0
1202393	H1443940-202400	20	32,0	1 1/4"	24	1 1/2	63,5	14,3	110,1	49,5

// H1443990

90° Flange SUPERCAT
Solid one piece



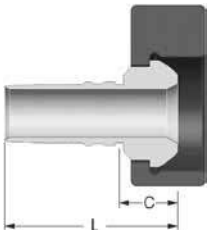
Item Code	Part Number	ID			Flange	Flange Size	FD	T	C	D Drop
		Dash	mm	in	Dash Size		mm	mm	mm	mm
1202399	H1443990-121200	12	19,0	3/4"	12	3/4	41,3	14,3	63,7	67,0
1202400	H1443990-121600	12	19,0	3/4"	16	1	47,6	14,3	65,2	70,0
1202401	H1443990-161600	16	25,0	1"	16	1	47,6	14,3	80,4	79,0
1202402	H1443990-162000	16	25,0	1"	20	1 1/4	54,0	14,3	75,4	82,5
1202403	H1443990-202000	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	89,2	93,0
1202404	H1443990-202400	20	32,0	1 1/4"	24	1 1/2	63,5	14,3	91,4	101,0

Dimensions shown may be changed without prior notice

// HAMMER UNION

// H1T13F13

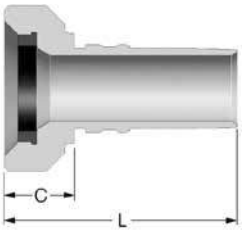
Male Hammer Union Fig. 1502 integral fitting with Lug Nut
Special version



Item Code	Part Number	ID			C	L
		Dash	mm	in	mm	mm
1235624	H1T13F13-323200	32	51,0	2"	60,8	162,20

// H1T23F10

Female Hammer Union Fig. 1502 integral fitting with Rubber Ring
Special version



Item Code	Part Number	ID			C	L
		Dash	mm	in	mm	mm
1235623	H1T23F10-323200	32	51,0	2"	57,3	158,70

// ALFACRIMP // C12A

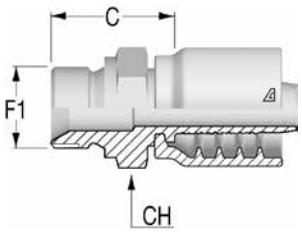
// BSP INSERTS 133
// DIN METRIC INSERTS 137
// SAE INSERTS 142
// JIC 37° INSERTS 144
// NPTF INSERTS 149
// NPSM INSERTS 151
// ORFS INSERTS 152
// JIS INSERTS 155
// KOMATSU INSERTS 156
// SAE FLANGES 157

Dimensions shown may be changed without prior notice

// BSP INSERTS

// C12A10510

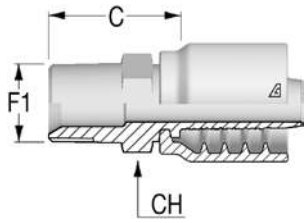
BSPP Male 60° Flare
AGR



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1232544	C12A10510-04020	NA	04	6,0	1/4"	02	1/8-28	20,8	14,0
1232545	C12A10510-04040	NA	04	6,0	1/4"	04	1/4-19	26,3	19,0
1232546	C12A10510-04060	NA	04	6,0	1/4"	06	3/8-19	27,8	22,0
1232547	C12A10510-05060	NA	05	8,0	5/16"	06	3/8-19	27,8	22,0
1232548	C12A10510-06060	NA	06	10,0	3/8"	06	3/8-19	27,8	22,0
1232549	C12A10510-06080	NA	06	10,0	3/8"	08	1/2-14	31,3	27,0
1232550	C12A10510-08060	NA	08	13,0	1/2"	06	3/8-19	28,6	22,0
1232551	C12A10510-08080	NA	08	13,0	1/2"	08	1/2-14	32,1	27,0
1232552	C12A10510-08100	NA	08	13,0	1/2"	10	5/8-14	34,1	30,0
1232553	C12A10510-08120	NA	08	13,0	1/2"	12	3/4-14	36,1	32,0
1232554	C12A10510-10100	NA	10	16,0	5/8"	10	5/8-14	34,1	30,0
1232555	C12A10510-10120	NA	10	16,0	5/8"	12	3/4-14	36,1	32,0
1232556	C12A10510-12120	NA	12	19,0	3/4"	12	3/4-14	36,6	32,0
1232557	C12A10510-12160	NA	12	19,0	3/4"	16	1-11	41,6	41,0
1232558	C12A10510-16160	NA	16	25,0	1"	16	1-11	42,4	41,0
1232559	C12A10510-16200	NA	16	25,0	1"	20	1 1/4-11	46,4	50,0

// C12A10710

BSPT Male
AGR K

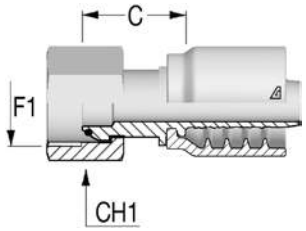


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1232560	C12A10710-04020	NA	04	6,0	1/4"	02	1/8-28	21,3	12,0
1232561	C12A10710-04040	NA	04	6,0	1/4"	04	1/4-19	26,8	17,0
1232562	C12A10710-04060	NA	04	6,0	1/4"	06	3/8-19	27,8	19,0
1232563	C12A10710-05060	NA	05	8,0	5/16"	06	3/8-19	27,8	19,0
1232564	C12A10710-06060	NA	06	10,0	3/8"	06	3/8-19	27,8	19,0
1232565	C12A10710-06080	NA	06	10,0	3/8"	08	1/2-14	32,3	22,0
1232566	C12A10710-08080	NA	08	13,0	1/2"	08	1/2-14	33,1	22,0
1232567	C12A10710-10120	NA	10	16,0	5/8"	12	3/4-14	34,1	27,0
1232568	C12A10710-12120	NA	12	19,0	3/4"	12	3/4-14	34,6	27,0
1232569	C12A10710-12160	NA	12	19,0	3/4"	16	1-11	43,6	36,0
1232570	C12A10710-16160	NA	16	25,0	1"	16	1-11	44,4	36,0

Dimensions shown may be changed without prior notice

// C12A20813

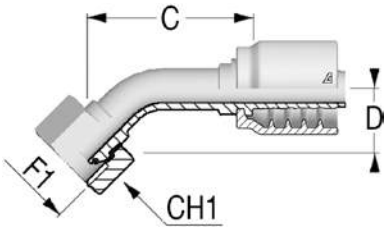
BSPP Female 60° Cone with O-Ring
DKOR



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH1
			Dash	mm	in	Dash Size		mm	mm
1232679	C12A20813-04040	SN	04	6,0	1/4"	04	1/4-19	20,8	19,0
1232680	C12A20813-04060	SN	04	6,0	1/4"	06	3/8-19	23,3	22,0
1232681	C12A20813-05060	SN	05	8,0	5/16"	06	3/8-19	23,3	22,0
1232675	C12A20811-06040	CR	06	10,0	3/8"	04	1/4-19	17,3	19,0
1232682	C12A20813-06060	SN	06	10,0	3/8"	06	3/8-19	23,3	22,0
1232683	C12A20813-06080	SN	06	10,0	3/8"	08	1/2-14	24,3	27,0
1232684	C12A20813-08080	SN	08	13,0	1/2"	08	1/2-14	25,1	27,0
1232685	C12A20813-08100	SN	08	13,0	1/2"	10	5/8-14	28,4	27,0
1232686	C12A20813-08120	SN	08	13,0	1/2"	12	3/4-14	29,0	32,0
1232676	C12A20811-10100	CR	10	16,0	5/8"	10	5/8-14	17,1	27,0
1232687	C12A20813-10120	SN	10	16,0	5/8"	12	3/4-14	29,0	32,0
1232677	C12A20811-12120	CR	12	19,0	3/4"	12	3/4-14	20,6	32,0
1232688	C12A20813-12160	SN	12	19,0	3/4"	16	1-11	34,0	38,0
1232678	C12A20811-16160	CR	16	25,0	1"	16	1-11	23,9	38,0
1232689	C12A20813-16200	SN	16	25,0	1"	20	1 1/4-11	39,4	50,0

// C12A20843

45° BSPP Female 60° Cone with O-Ring
DKOR 45
Solid one piece

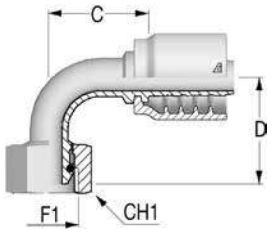


Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1232693	C12A20843-04040	SN	04	6,0	1/4"	04	1/4-19	45,5	15,0	19,0
1232694	C12A20843-04060	SN	04	6,0	1/4"	06	3/8-19	41,5	17,5	22,0
1232695	C12A20843-05060	SN	05	8,0	5/16"	06	3/8-19	45,1	18,5	22,0
1232696	C12A20843-06060	SN	06	10,0	3/8"	06	3/8-19	49,9	20,5	22,0
1232697	C12A20843-06080	SN	06	10,0	3/8"	08	1/2-14	45,7	21,0	27,0
1232698	C12A20843-08080	SN	08	13,0	1/2"	08	1/2-14	55,0	21,0	27,0
1232699	C12A20843-08100	SN	08	13,0	1/2"	10	5/8-14	57,2	23,0	27,0
1232700	C12A20843-08120	SN	08	13,0	1/2"	12	3/4-14	56,7	23,0	32,0
1232690	C12A20841-10100	CR	10	16,0	5/8"	10	5/8-14	64,0	21,5	27,0
1232701	C12A20843-10120	SN	10	16,0	5/8"	12	3/4-14	66,5	22,5	32,0
1232691	C12A20841-12120	CR	12	19,0	3/4"	12	3/4-14	70,0	28,0	32,0
1232702	C12A20843-12160	SN	12	19,0	3/4"	16	1-11	74,6	31,5	38,0
1232692	C12A20841-16160	CR	16	25,0	1"	16	1-11	84,0	34,0	38,0

Dimensions shown may be changed without prior notice

// C12A20893

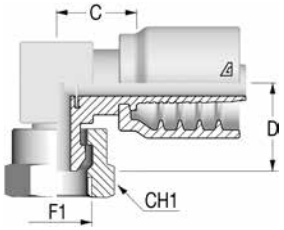
90° BSPP Female 60° Cone with O-Ring
DKOR 90
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1232706	C12A20893-04040	SN	04	6,0	1/4"	04	1/4-19	29,3	29,0	19,0
1232707	C12A20893-04060	SN	04	6,0	1/4"	06	3/8-19	29,8	31,0	22,0
1232708	C12A20893-05060	SN	05	8,0	5/16"	06	3/8-19	33,2	36,0	22,0
1232709	C12A20893-06060	SN	06	10,0	3/8"	06	3/8-19	34,8	42,0	22,0
1232710	C12A20893-06080	SN	06	10,0	3/8"	08	1/2-14	34,3	35,5	27,0
1232711	C12A20893-08080	SN	08	13,0	1/2"	08	1/2-14	35,8	41,0	27,0
1232712	C12A20893-08100	SN	08	13,0	1/2"	10	5/8-14	41,6	43,5	27,0
1232713	C12A20893-08120	SN	08	13,0	1/2"	12	3/4-14	41,8	43,0	32,0
1232703	C12A20891-10100	CR	10	16,0	5/8"	10	5/8-14	47,9	47,0	27,0
1232714	C12A20893-10120	SN	10	16,0	5/8"	12	3/4-14	51,9	49,0	32,0
1232704	C12A20891-12120	CR	12	19,0	3/4"	12	3/4-14	49,1	53,0	32,0
1232715	C12A20893-12160	SN	12	19,0	3/4"	16	1-11	54,1	60,5	38,0
1232705	C12A20891-16160	CR	16	25,0	1"	16	1-11	75,1	69,0	38,0
1232716	C12A20893-16200	SN	16	25,0	1"	20	1 1/4-11	75,1	88,5	50,0

// C12A20581

90° Compact BSPP Female 60° Cone
DKR 90

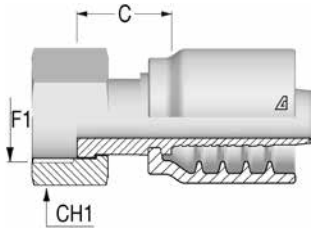


Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1232668	C12A20581-06060	CR	06	10,0	3/8"	06	3/8-19	18,8	22,0	22,0
1232669	C12A20581-08080	CR	08	13,0	1/2"	08	1/2-14	22,6	24,5	27,0
1232670	C12A20581-12120	CR	12	19,0	3/4"	12	3/4-14	26,7	31,0	32,0

Dimensions shown may be changed without prior notice

// C12A20613

BSPP Female Flat Seat
DKR FD



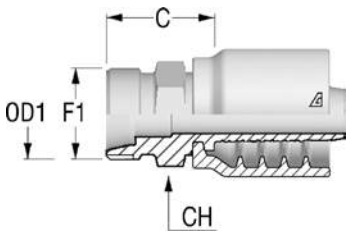
Item Code	Part Number	Nut Type	ID			F1	F1	C	CH1
			Dash	mm	in	Dash Size		mm	mm
1232672	C12A20613-06060	SN	06	10,0	3/8"	06	3/8-19	20,3	22,0
1232673	C12A20613-06080	SN	06	10,0	3/8"	08	1/2-14	20,8	27,0
1232674	C12A20613-08080	SN	08	13,0	1/2"	08	1/2-14	21,6	27,0
1232671	C12A20611-12120	CR	12	19,0	3/4"	12	3/4-14	18,1	32,0

Dimensions shown may be changed without prior notice

// DIN METRIC INSERTS

// C12A11110

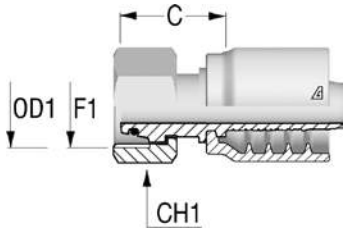
Metric Male 24° Seat - Light
DIN 3853 - CEL



Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH
			Dash	mm	in		mm	mm	mm
1232571	C12A11110-04120	NA	04	6,0	1/4"	M12X1.5	6	21,3	14,0
1232572	C12A11110-04140	NA	04	6,0	1/4"	M14X1.5	8	21,3	14,0
1232573	C12A11110-04160	NA	04	6,0	1/4"	M16X1.5	10	23,3	17,0
1232574	C12A11110-05160	NA	05	8,0	5/16"	M16X1.5	10	23,3	17,0
1232575	C12A11110-05180	NA	05	8,0	5/16"	M18X1.5	12	24,3	19,0
1232576	C12A11110-06160	NA	06	10,0	3/8"	M16X1.5	10	23,3	17,0
1232577	C12A11110-06180	NA	06	10,0	3/8"	M18X1.5	12	24,3	19,0
1232578	C12A11110-06220	NA	06	10,0	3/8"	M22X1.5	15	25,3	22,0
1232579	C12A11110-08220	NA	08	13,0	1/2"	M22X1.5	15	26,1	22,0
1232580	C12A11110-08260	NA	08	13,0	1/2"	M26X1.5	18	27,1	27,0
1232581	C12A11110-10260	NA	10	16,0	5/8"	M26X1.5	18	27,1	27,0
1232582	C12A11110-12300	NA	12	19,0	3/4"	M30X2	22	31,6	32,0
1232583	C12A11110-16360	NA	16	25,0	1"	M36X2	28	34,4	36,0

// C12A21513

Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL

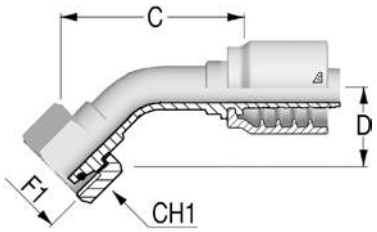


Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH1
			Dash	mm	in		mm	mm	mm
1232717	C12A21511-04120	CR	04	6,0	1/4"	M12X1.5	6	24,8	14,0
1232718	C12A21513-04140	SN	04	6,0	1/4"	M14X1.5	8	24,4	17,0
1232719	C12A21513-04160	SN	04	6,0	1/4"	M16X1.5	10	25,4	19,0
1232720	C12A21513-05160	SN	05	8,0	5/16"	M16X1.5	10	25,4	19,0
1232722	C12A21513-06180	SN	06	10,0	3/8"	M18X1.5	12	25,4	22,0
1232723	C12A21513-06220	SN	06	10,0	3/8"	M22X1.5	15	27,4	27,0
1232724	C12A21513-08220	SN	08	13,0	1/2"	M22X1.5	15	28,2	27,0
1232725	C12A21513-08260	SN	08	13,0	1/2"	M26X1.5	18	29,2	32,0
1232726	C12A21513-10260	SN	10	16,0	5/8"	M26X1.5	18	29,2	32,0
1232727	C12A21513-12300	SN	12	19,0	3/4"	M30X2	22	31,7	36,0
1232728	C12A21513-16360	SN	16	25,0	1"	M36X2	28	33,6	41,0

Dimensions shown may be changed without prior notice

// C12A21543

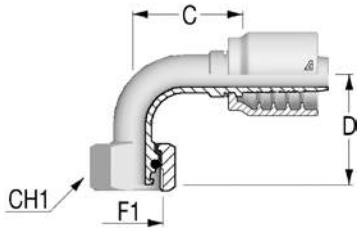
45° Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL 45
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in		mm	mm	mm	mm
1232729	C12A21543-04140	SN	04	6,0	1/4"	M14X1.5	8	43,0	17,5	17,0
1232730	C12A21543-04160	SN	04	6,0	1/4"	M16X1.5	10	42,0	20,0	19,0
1232731	C12A21543-05160	SN	05	8,0	5/16"	M16X1.5	10	47,5	20,0	19,0
1232733	C12A21543-06180	SN	06	10,0	3/8"	M18X1.5	12	46,8	19,5	22,0
1232734	C12A21543-08220	SN	08	13,0	1/2"	M22X1.5	15	55,0	21,0	22,0
1232735	C12A21543-10260	SN	10	16,0	5/8"	M26X1.5	18	65,3	24,0	32,0
1232736	C12A21543-12300	SN	12	19,0	3/4"	M30X2	22	69,4	32,0	36,0
1232737	C12A21543-16360	SN	16	25,0	1"	M36X2	28	91,4	32,0	41,0

// C12A21593

90° Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL 90
Solid one piece

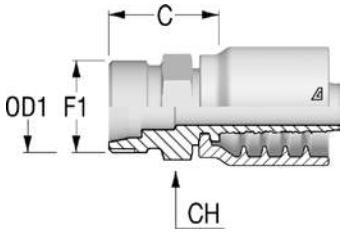


Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in		mm	mm	mm	mm
1232738	C12A21591-04120	CR	04	6,0	1/4"	M12X1.5	6	29,5	26,0	14,0
1232739	C12A21593-04140	SN	04	6,0	1/4"	M14X1.5	8	28,3	32,5	17,0
1232740	C12A21593-04160	SN	04	6,0	1/4"	M16X1.5	10	28,3	32,5	19,0
1232741	C12A21593-04180	SN	04	6,0	1/4"	M18X1.5	12	28,8	35,0	22,0
1232742	C12A21593-05160	SN	05	8,0	5/16"	M16X1.5	10	33,7	38,0	19,0
1232744	C12A21593-06180	SN	06	10,0	3/8"	M18X1.5	12	32,8	39,0	22,0
1232745	C12A21593-08220	SN	08	13,0	1/2"	M22X1.5	15	39,8	40,5	27,0
1232746	C12A21593-10260	SN	10	16,0	5/8"	M26X1.5	18	51,4	48,0	32,0
1232747	C12A21593-10300	SN	10	16,0	5/8"	M30X2	22	52,4	49,0	36,0
1232748	C12A21593-12300	SN	12	19,0	3/4"	M30X2	22	52,1	59,0	36,0
1232749	C12A21593-16360	SN	16	25,0	1"	M36X2	28	77,6	68,0	41,0

Dimensions shown may be changed without prior notice

// C12A11210

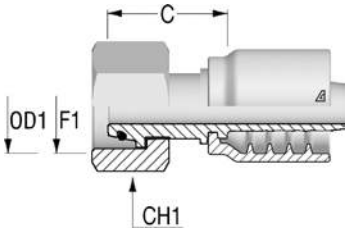
Metric Male 24° Seat - Heavy
DIN 3853 - CES



Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH
			Dash	mm	in		mm	mm	mm
1232584	C12A11210-04180	NA	04	6,0	1/4"	M18X1.5	10	25,3	19,0
1232585	C12A11210-05200	NA	05	8,0	5/16"	M20X1.5	12	25,3	22,0
1232586	C12A11210-06200	NA	06	10,0	3/8"	M20X1.5	12	25,3	22,0
1232587	C12A11210-06220	NA	06	10,0	3/8"	M22X1.5	14	27,3	22,0
1232588	C12A11210-08240	NA	08	13,0	1/2"	M24X1.5	16	29,1	24,0
1232589	C12A11210-10300	NA	10	16,0	5/8"	M30X2	20	33,1	32,0
1232590	C12A11210-12300	NA	12	19,0	3/4"	M30X2	20	33,6	32,0
1232591	C12A11210-12360	NA	12	19,0	3/4"	M36X2	25	37,6	36,0
1232592	C12A11210-16420	NA	16	25,0	1"	M42X2	30	42,4	46,0

// C12A21613

Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS

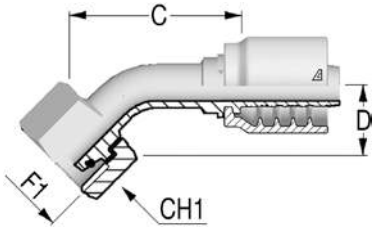


Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH1
			Dash	mm	in		mm	mm	mm
1232750	C12A21613-04160	SN	04	6,0	1/4"	M16X1.5	8	27,7	19,0
1232751	C12A21613-04180	SN	04	6,0	1/4"	M18X1.5	10	27,6	22,0
1232752	C12A21613-05200	SN	05	8,0	5/16"	M20X1.5	12	27,6	24,0
1232754	C12A21613-06200	SN	06	10,0	3/8"	M20X1.5	12	27,6	24,0
1232755	C12A21613-06220	SN	06	10,0	3/8"	M22X1.5	14	31,1	27,0
1232757	C12A21613-08240	SN	08	13,0	1/2"	M24X1.5	16	31,7	30,0
1232758	C12A21613-10300	SN	10	16,0	5/8"	M30X2	20	36,5	36,0
1232759	C12A21613-12300	SN	12	19,0	3/4"	M30X2	20	37,0	36,0
1232760	C12A21613-12360	SN	12	19,0	3/4"	M36X2	25	40,2	46,0
1232761	C12A21613-16360	SN	16	25,0	1"	M36X2	25	41,0	46,0
1232762	C12A21613-16420	SN	16	25,0	1"	M42X2	30	43,1	50,0

Dimensions shown may be changed without prior notice

// C12A21643

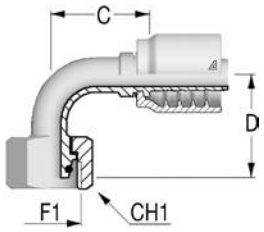
45° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 45
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in		mm	mm	mm	mm
1232763	C12A21643-04160	SN	04	6,0	1/4"	M16X1.5	8	48,6	16,0	19,0
1232764	C12A21643-04180	SN	04	6,0	1/4"	M18X1.5	10	43,5	19,0	22,0
1232765	C12A21643-05200	SN	05	8,0	5/16"	M20X1.5	12	48,1	21,0	24,0
1232766	C12A21643-06200	SN	06	10,0	3/8"	M20X1.5	12	50,6	20,0	24,0
1232767	C12A21643-06220	SN	06	10,0	3/8"	M22X1.5	14	52,9	21,0	27,0
1232768	C12A21643-08240	SN	08	13,0	1/2"	M24X1.5	16	55,8	21,5	30,0
1232769	C12A21643-10300	SN	10	16,0	5/8"	M30X2	20	66,3	30,0	36,0
1232770	C12A21643-12360	SN	12	19,0	3/4"	M36X2	25	69,5	33,0	46,0
1232771	C12A21643-16420	SN	16	25,0	1"	M42X2	30	110,3	40,5	50,0

// C12A21693

90° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 90
Solid one piece

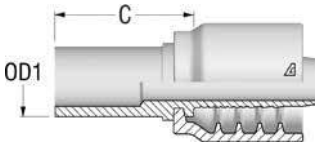


Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in		mm	mm	mm	mm
1232772	C12A21693-04160	SN	04	6,0	1/4"	M16X1.5	8	27,3	33,0	19,0
1232773	C12A21693-04180	SN	04	6,0	1/4"	M18X1.5	10	26,8	34,0	22,0
1232774	C12A21693-05200	SN	05	8,0	5/16"	M20X1.5	12	33,2	39,0	24,0
1232775	C12A21692-06180	TN	06	10,0	3/8"	M18X1.5	10	35,0	38,0	22,0
1232776	C12A21693-06200	SN	06	10,0	3/8"	M20X1.5	12	34,3	38,5	24,0
1232777	C12A21693-06220	SN	06	10,0	3/8"	M22X1.5	14	34,3	40,5	27,0
1232778	C12A21693-08240	SN	08	13,0	1/2"	M24X1.5	16	39,8	41,5	30,0
1232779	C12A21693-10300	SN	10	16,0	5/8"	M30X2	20	47,9	55,0	36,0
1232780	C12A21693-12300	SN	12	19,0	3/4"	M30X2	20	50,6	58,0	36,0
1232781	C12A21693-12360	SN	12	19,0	3/4"	M36X2	25	50,6	59,5	46,0
1232782	C12A21693-16420	SN	16	25,0	1"	M42X2	30	75,6	79,0	50,0

Dimensions shown may be changed without prior notice

// C12A52010

Metric Straight Standpipe - DIN 2353
RSL/RSS



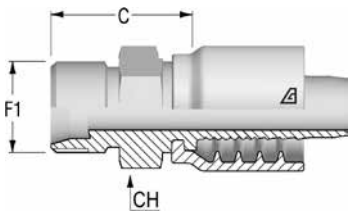
Item Code	Part Number	ID			OD1	C
		Dash	mm	in	mm	mm
1233002	C12A52010-04080	04	6,0	1/4"	8	30,2
1233003	C12A52010-06100	06	10,0	3/8"	10	30,3
1233004	C12A52010-08150	08	13,0	1/2"	15	32,1
1233005	C12A52010-08160	08	13,0	1/2"	16	37,1

Dimensions shown may be changed without prior notice

// SAE INSERTS

// C12A13B10

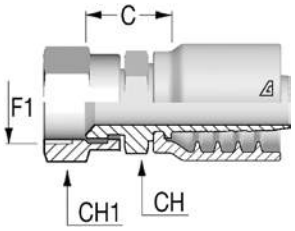
SAE Male Flareless



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1240072	C12A13B10-04040	NA	04	6,0	1/4"	04	7/16-20	21,8	12,0
1242131	C12A13B10-05060	NA	05	8,0	5/16"	06	9/16-18	24,2	16,0
1239967	C12A13B10-06060	NA	06	10,0	3/8"	06	9/16-18	24,2	16,0
1242132	C12A13B10-06080	NA	06	10,0	3/8"	08	3/4-16	27,6	22,0
1237777	C12A13B10-08080	NA	08	13,0	1/2"	08	3/4-16	28,4	22,0
1242133	C12A13B10-12120	NA	12	19,0	3/4"	12	1 1/16-12	33,1	30,0
1242135	C12A13B10-16160	NA	16	25,0	1"	16	-	37,9	36,0

// C12A26611

SAE Female Swivel 45° Seat

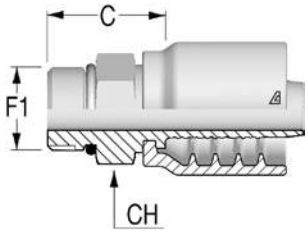


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1232955	C12A26611-06060	CR	06	10,0	3/8"	06	5/8-18	23,3	19,0	22,0
1232956	C12A26611-12120	CR	12	19,0	3/4"	12	1 1/16-14	28,6	27,0	32,0

Dimensions shown may be changed without prior notice

// C12A13010

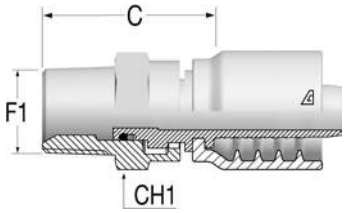
SAE Male Solid O-Ring Boss



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1232654	C12A13010-04040	NA	04	6,0	1/4"	04	7/16-20	20,3	14,0
1232655	C12A13010-04050	NA	04	6,0	1/4"	05	1/2-20	21,3	16,0
1232656	C12A13010-04060	NA	04	6,0	1/4"	06	9/16-18	22,3	17,0
1232657	C12A13010-06060	NA	06	10,0	3/8"	06	9/16-18	23,3	19,0
1232658	C12A13010-06080	NA	06	10,0	3/8"	08	3/4-16	24,3	22,0
1232659	C12A13010-06100	NA	06	10,0	3/8"	10	7/8-14	26,8	27,0
1232660	C12A13010-08080	NA	08	13,0	1/2"	08	3/4-16	25,1	22,0
1232661	C12A13010-08100	NA	08	13,0	1/2"	10	7/8-14	27,6	27,0
1232662	C12A13010-08120	NA	08	13,0	1/2"	12	1 1/16-12	32,1	32,0
1232663	C12A13010-10120	NA	10	16,0	5/8"	12	1 1/16-12	32,1	32,0
1232664	C12A13010-12100	NA	12	19,0	3/4"	10	7/8-14	28,1	27,0
1232665	C12A13010-12120	NA	12	19,0	3/4"	12	1 1/16-12	32,6	32,0
1232666	C12A13010-12160	NA	12	19,0	3/4"	16	1 5/16-12	34,6	38,0
1232667	C12A13010-16160	NA	16	25,0	1"	16	1 5/16-12	35,4	38,0

// C12A13011

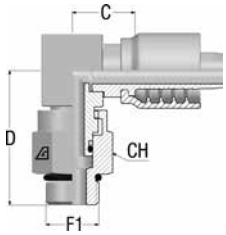
SAE Male Swivel O-Ring Boss



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1240619	C12A13011-04040	CR	04	6,0	1/4"	04	7/16-20	33,1	17,0
1240621	C12A13011-04060	CR	04	6,0	1/4"	04	7/16-20	42,5	22,0
1240622	C12A13011-06060	CR	06	10,0	3/8"	06	9/16-18	40,5	22,0
1240623	C12A13011-06080	CR	06	10,0	3/8"	08	3/4-16	43,5	25,0
1240624	C12A13011-08080	CR	08	13,0	1/2"	08	3/4-16	42,3	25,0
1240625	C12A13011-08100	CR	08	13,0	1/2"	08	3/4-16	43,8	25,0
1240626	C12A13011-12120	CR	12	19,0	3/4"	12	1 1/16-12	49,6	32,0
1240627	C12A13011-16160	CR	16	25,0	1"	16	1 5/16-12	53,9	41,0

// C12A13081

90° Compact SAE Male Swivel O-Ring Boss



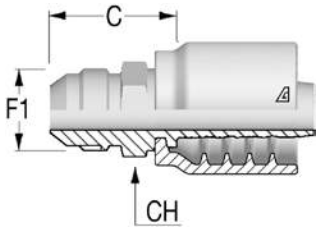
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH
			Dash	mm	in	Dash Size		mm	mm	mm
1240611	C12A13081-04040	CR	04	6,0	1/4"	04	7/16-20	17,0	35,0	17,0
1240612	C12A13081-04050	CR	04	6,0	1/4"	05	1/2-20	17,0	35,0	17,0
1240613	C12A13081-04060	CR	04	6,0	1/4"	06	9/16-18	19,0	42,0	22,0
1240614	C12A13081-06060	CR	06	10,0	3/8"	06	9/16-18	20,0	44,0	22,0
1240615	C12A13081-06080	CR	06	10,0	3/8"	08	3/4-16	22,0	45,0	25,0
1240616	C12A13081-08080	CR	08	13,0	1/2"	08	3/4-16	23,0	48,0	25,0
1240001	C12A13081-08100	CR	08	13,0	1/2"	10	7/8-14	23,0	50,0	25,0
1240617	C12A13081-12120	CR	12	19,0	3/4"	12	1 1/16-12	27,0	60,0	32,0
1240618	C12A13081-16160	CR	16	25,0	1"	16	1 5/16-12	33,4	67,5	41,0

Dimensions shown may be changed without prior notice

// JIC 37° INSERTS

// C12A12510

JIC Male 37° Cone
AGJ

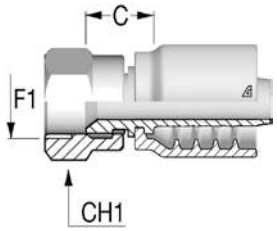


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1232606	C12A12510-04040	NA	04	6,0	1/4"	04	7/16-20	25,3	12,0
1232607	C12A12510-04050	NA	04	6,0	1/4"	05	1/2-20	25,3	14,0
1232608	C12A12510-04060	NA	04	6,0	1/4"	06	9/16-18	26,3	17,0
1232609	C12A12510-05050	NA	05	8,0	5/16"	05	1/2-20	25,3	14,0
1232610	C12A12510-05060	NA	05	8,0	5/16"	06	9/16-18	26,3	17,0
1232611	C12A12510-06060	NA	06	10,0	3/8"	06	9/16-18	26,3	17,0
1232612	C12A12510-06080	NA	06	10,0	3/8"	08	3/4-16	29,8	19,0
1232613	C12A12510-06100	NA	06	10,0	3/8"	10	7/8-14	33,8	24,0
1232614	C12A12510-08080	NA	08	13,0	1/2"	08	3/4-16	30,6	19,0
1232615	C12A12510-08100	NA	08	13,0	1/2"	10	7/8-14	34,6	24,0
1232616	C12A12510-08120	NA	08	13,0	1/2"	12	1 1/16-12	37,1	27,0
1232617	C12A12510-10100	NA	10	16,0	5/8"	10	7/8-14	34,6	24,0
1232618	C12A12510-10120	NA	10	16,0	5/8"	12	1 1/16-12	37,1	27,0
1232619	C12A12510-12120	NA	12	19,0	3/4"	12	1 1/16-12	37,6	27,0
1232620	C12A12510-12140	NA	12	19,0	3/4"	14	1 3/16-12	40,1	32,0
1232621	C12A12510-12160	NA	12	19,0	3/4"	16	1 5/16-12	42,6	36,0
1232622	C12A12510-16160	NA	16	25,0	1"	16	1 5/16-12	43,4	36,0
1232623	C12A12510-16200	NA	16	25,0	1"	20	1 5/8-12	46,9	46,0

Dimensions shown may be changed without prior notice

// C12A22511

JIC Female 37° Seat
DKJ

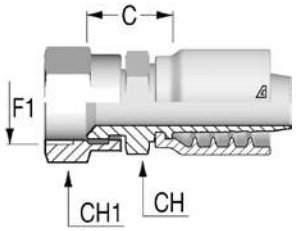


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH1
			Dash	mm	in	Dash Size		mm	mm
1232848	C12A22511-04040	CR	04	6,0	1/4"	04	7/16-20	14,6	16,0
1232849	C12A22511-04050	CR	04	6,0	1/4"	05	1/2-20	15,3	17,0
1232850	C12A22511-04060	CR	04	6,0	1/4"	06	9/16-18	15,3	19,0
1232851	C12A22511-05050	CR	05	8,0	5/16"	05	1/2-20	15,3	17,0
1232852	C12A22511-05060	CR	05	8,0	5/16"	06	9/16-18	15,3	19,0
1232853	C12A22511-06060	CR	06	10,0	3/8"	06	9/16-18	15,3	19,0
1232854	C12A22511-06080	CR	06	10,0	3/8"	08	3/4-16	17,8	25,0
1232855	C12A22511-08080	CR	08	13,0	1/2"	08	3/4-16	18,6	25,0
1232856	C12A22511-08100	CR	08	13,0	1/2"	10	7/8-14	19,6	27,0
1232857	C12A22511-08120	CR	08	13,0	1/2"	12	1 1/16-12	22,1	32,0
1232858	C12A22511-10100	CR	10	16,0	5/8"	10	7/8-14	19,6	27,0
1232859	C12A22511-10120	CR	10	16,0	5/8"	12	1 1/16-12	20,1	32,0
1232860	C12A22511-12100	CR	12	19,0	3/4"	10	7/8-14	20,1	27,0
1232861	C12A22511-12120	CR	12	19,0	3/4"	12	1 1/16-12	20,6	32,0
1232862	C12A22511-12140	CR	12	19,0	3/4"	14	1 3/16-12	19,9	36,0
1232863	C12A22511-12160	CR	12	19,0	3/4"	16	1 5/16-12	22,1	38,0
1232864	C12A22511-16160	CR	16	25,0	1"	16	1 5/16-12	23,9	38,0
1232865	C12A22512-16200	TN	16	25,0	1"	20	1 5/8-12	26,5	50,0

Dimensions shown may be changed without prior notice

// C12A26511

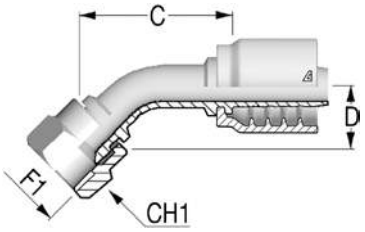
JIC Female 37° Seat with Stem Hexagon
DKJ



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1232933	C12A26511-04040	CR	04	6,0	1/4"	04	7/16-20	19,6	14,0	16,0
1232934	C12A26511-04050	CR	04	6,0	1/4"	05	1/2-20	20,3	14,0	17,0
1232935	C12A26511-04060	CR	04	6,0	1/4"	06	9/16-18	20,3	14,0	19,0
1232936	C12A26511-05060	CR	05	8,0	5/16"	06	9/16-18	20,3	14,0	19,0
1232937	C12A26511-06040	CR	06	10,0	3/8"	04	7/16-20	20,6	17,0	16,0
1232938	C12A26511-06060	CR	06	10,0	3/8"	06	9/16-18	21,3	17,0	19,0
1232939	C12A26511-06080	CR	06	10,0	3/8"	08	3/4-16	24,8	19,0	25,0
1232940	C12A26511-06100	CR	06	10,0	3/8"	10	7/8-14	25,8	22,0	27,0
1232941	C12A26511-08060	CR	08	13,0	1/2"	06	9/16-18	23,1	19,0	19,0
1232942	C12A26511-08080	CR	08	13,0	1/2"	08	3/4-16	25,6	19,0	25,0
1232943	C12A26511-08100	CR	08	13,0	1/2"	10	7/8-14	26,6	22,0	27,0
1232944	C12A26511-08120	CR	08	13,0	1/2"	12	1 1/16-12	28,1	25,0	32,0
1232945	C12A26511-10080	CR	10	16,0	5/8"	08	3/4-16	26,6	24,0	25,0
1232946	C12A26511-10100	CR	10	16,0	5/8"	10	7/8-14	27,6	24,0	27,0
1232947	C12A26511-10120	CR	10	16,0	5/8"	12	1 1/16-12	28,1	25,0	32,0
1232948	C12A26511-12100	CR	12	19,0	3/4"	10	7/8-14	28,1	27,0	27,0
1232949	C12A26511-12120	CR	12	19,0	3/4"	12	1 1/16-12	28,6	27,0	32,0
1232950	C12A26511-12140	CR	12	19,0	3/4"	14	1 3/16-12	29,9	32,0	36,0
1232951	C12A26511-12160	CR	12	19,0	3/4"	16	1 5/16-12	32,1	32,0	38,0
1232952	C12A26511-16120	CR	16	25,0	1"	12	1 1/16-12	31,4	32,0	32,0
1232953	C12A26511-16160	CR	16	25,0	1"	16	1 5/16-12	32,9	32,0	38,0
1232954	C12A26512-16200	TN	16	25,0	1"	20	1 5/8-12	37,5	41,0	50,0

// C12A22541-M

45° JIC Female 37° Seat - Medium Drop
DKJ 45M
Solid one piece

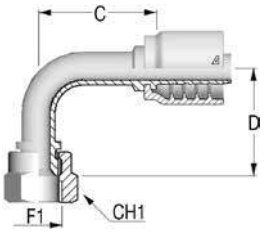


Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1232866	C12A22541-0404M	CR	04	6,0	1/4"	04	7/16-20	36,6	10,0	16,0
1232867	C12A22541-0405M	CR	04	6,0	1/4"	05	1/2-20	37,2	12,0	17,0
1232868	C12A22541-0406M	CR	04	6,0	1/4"	06	9/16-18	39,4	11,0	19,0
1232869	C12A22541-0506M	CR	05	8,0	5/16"	06	9/16-18	42,8	12,0	19,0
1232870	C12A22541-0606M	CR	06	10,0	3/8"	06	9/16-18	46,3	11,0	19,0
1232871	C12A22541-0608M	CR	06	10,0	3/8"	08	3/4-16	47,2	15,0	25,0
1232872	C12A22541-0808M	CR	08	13,0	1/2"	08	3/4-16	51,6	15,0	25,0
1232873	C12A22541-0810M	CR	08	13,0	1/2"	10	7/8-14	50,7	16,0	27,0
1232874	C12A22541-0812M	CR	08	13,0	1/2"	12	1 1/16-12	57,0	21,0	32,0
1232875	C12A22541-1010M	CR	10	16,0	5/8"	10	7/8-14	62,2	19,0	27,0
1232876	C12A22541-1012M	CR	10	16,0	5/8"	12	1 1/16-12	68,6	21,0	32,0
1232877	C12A22541-1212M	CR	12	19,0	3/4"	12	1 1/16-12	67,5	21,0	32,0
1232878	C12A22541-1216M	CR	12	19,0	3/4"	16	1 5/16-12	71,4	26,0	38,0
1232879	C12A22541-1616M	CR	16	25,0	1"	16	1 5/16-12	79,4	24,0	38,0
1232880	C12A22542-1620M	TN	16	25,0	1"	20	1 5/8-12	83,8	37,0	50,0

Dimensions shown may be changed without prior notice

// C12A22591-S

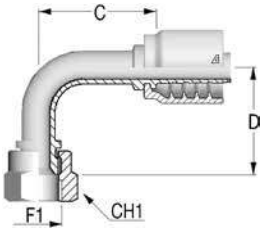
90° JIC Female 37° Seat - Short Drop
DKJ 90S
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1232883	C12A22591-0404S	CR	04	6,0	1/4"	04	7/16-20	27,0	21,0	16,0
1232885	C12A22591-0405S	CR	04	6,0	1/4"	05	1/2-20	26,5	23,5	17,0
1232887	C12A22591-0406S	CR	04	6,0	1/4"	06	9/16-18	31,0	23,0	19,0
1232892	C12A22591-0606S	CR	06	10,0	3/8"	06	9/16-18	42,3	23,0	19,0
1232895	C12A22591-0608S	CR	06	10,0	3/8"	08	3/4-16	48,8	29,0	25,0
1232898	C12A22591-0808S	CR	08	13,0	1/2"	08	3/4-16	46,4	29,0	25,0
1232901	C12A22591-0810S	CR	08	13,0	1/2"	10	7/8-14	45,8	32,0	27,0
1232903	C12A22591-0812S	CR	08	13,0	1/2"	12	1 1/16-12	37,3	46,0	32,0
1232907	C12A22591-1012S	CR	10	16,0	5/8"	12	1 1/16-12	47,9	48,0	32,0
1232910	C12A22591-1212S	CR	12	19,0	3/4"	12	1 1/16-12	58,2	46,0	32,0
1232912	C12A22591-1216S	CR	12	19,0	3/4"	16	1 5/16-12	53,6	53,0	38,0
1232915	C12A22591-1616S	CR	16	25,0	1"	16	1 5/16-12	74,0	56,0	38,0

// C12A22591-M

90° JIC Female 37° Seat - Medium Drop
DKJ 90M
Solid one piece

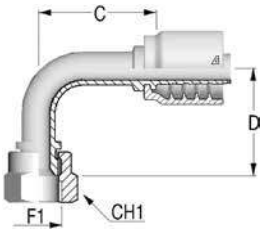


Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1232882	C12A22591-0404M	CR	04	6,0	1/4"	04	7/16-20	34,2	32,0	16,0
1232884	C12A22591-0405M	CR	04	6,0	1/4"	05	1/2-20	25,7	30,0	17,0
1232886	C12A22591-0406M	CR	04	6,0	1/4"	06	9/16-18	28,5	38,0	19,0
1232888	C12A22591-0505M	CR	05	8,0	5/16"	05	1/2-20	34,2	32,0	17,0
1232889	C12A22591-0506M	CR	05	8,0	5/16"	06	9/16-18	33,2	35,0	19,0
1232891	C12A22591-0606M	CR	06	10,0	3/8"	06	9/16-18	31,3	35,0	19,0
1232894	C12A22591-0608M	CR	06	10,0	3/8"	08	3/4-16	39,5	41,0	25,0
1232897	C12A22591-0808M	CR	08	13,0	1/2"	08	3/4-16	37,2	40,0	25,0
1232900	C12A22591-0810M	CR	08	13,0	1/2"	10	7/8-14	43,3	47,0	27,0
1232902	C12A22591-0812M	CR	08	13,0	1/2"	12	1 1/16-12	42,8	58,0	32,0
1232905	C12A22591-1010M	CR	10	16,0	5/8"	10	7/8-14	49,4	48,0	27,0
1232906	C12A22591-1012M	CR	10	16,0	5/8"	12	1 1/16-12	47,9	58,0	32,0
1232909	C12A22591-1212M	CR	12	19,0	3/4"	12	1 1/16-12	52,4	54,0	32,0
1232911	C12A22591-1216M	CR	12	19,0	3/4"	16	1 5/16-12	52,6	72,0	38,0
1232914	C12A22591-1616M	CR	16	25,0	1"	16	1 5/16-12	72,6	71,5	38,0
1232916	C12A22592-1620M	TN	16	25,0	1"	20	1 5/8-12	72,6	78,0	50,0

Dimensions shown may be changed without prior notice

// C12A22591-L

90° JIC Female 37° Seat - Long Drop
DKJ 90L
Solid one piece



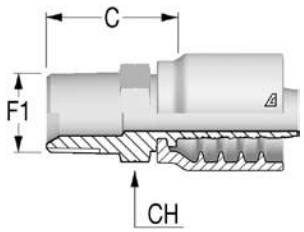
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1232881	C12A22591-0404L	CR	04	6,0	1/4"	04	7/16-20	30,8	46,0	16,0
1232890	C12A22591-0606L	CR	06	10,0	3/8"	06	9/16-18	43,3	54,0	19,0
1232893	C12A22591-0608L	CR	06	10,0	3/8"	08	3/4-16	46,8	64,0	25,0
1232896	C12A22591-0808L	CR	08	13,0	1/2"	08	3/4-16	49,9	64,0	25,0
1232899	C12A22591-0810L	CR	08	13,0	1/2"	10	7/8-14	37,3	65,0	27,0
1232904	C12A22591-1010L	CR	10	16,0	5/8"	10	7/8-14	49,9	65,0	27,0
1232908	C12A22591-1212L	CR	12	19,0	3/4"	12	1 1/16-12	54,1	95,0	32,0
1232913	C12A22591-1616L	CR	16	25,0	1"	16	1 5/16-12	78,6	114,0	38,0

Dimensions shown may be changed without prior notice

// NPTF INSERTS

// C12A12810

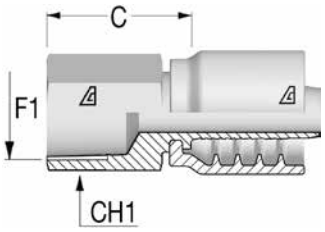
NPTF Male 60° Seat
AGN



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1232624	C12A12810-04020	NA	04	6,0	1/4"	02	1/8-27	21,3	14,0
1232650	C12A1281P-04040	NA	04	6,0	1/4"	04	1/4-18	26,8	14,3
1232625	C12A12810-04060	NA	04	6,0	1/4"	06	3/8-18	27,8	17,0
1232626	C12A12810-04080	NA	04	6,0	1/4"	08	1/2-14	31,3	22,0
1232627	C12A12810-05040	NA	05	8,0	5/16"	04	1/4-18	26,8	19,0
1232628	C12A12810-05060	NA	05	8,0	5/16"	06	3/8-18	27,8	22,0
1232629	C12A12810-06040	NA	06	10,0	3/8"	04	1/4-18	26,8	17,0
1232630	C12A12810-06060	NA	06	10,0	3/8"	06	3/8-18	27,8	19,0
1232631	C12A12810-06080	NA	06	10,0	3/8"	08	1/2-14	31,3	22,0
1232632	C12A12810-08060	NA	08	13,0	1/2"	06	3/8-18	28,6	17,0
1232633	C12A12810-08080	NA	08	13,0	1/2"	08	1/2-14	32,1	19,0
1232634	C12A12810-08120	NA	08	13,0	1/2"	12	3/4-14	34,1	22,0
1232635	C12A12810-10080	NA	10	16,0	5/8"	08	1/2-14	33,1	22,0
1232636	C12A12810-10120	NA	10	16,0	5/8"	12	3/4-14	34,1	25,0
1232637	C12A12810-12080	NA	12	19,0	3/4"	08	1/2-14	33,6	19,0
1232638	C12A12810-12120	NA	12	19,0	3/4"	12	3/4-14	34,6	22,0
1232639	C12A12810-12160	NA	12	19,0	3/4"	16	1-11 1/2	43,6	22,0
1232640	C12A12810-16160	NA	16	25,0	1"	16	1-11 1/2	44,4	25,0
1232641	C12A12810-16200	NA	16	25,0	1"	20	1 1/4-11 1/2	47,4	27,0

// C12A22810

NPTF Female Solid

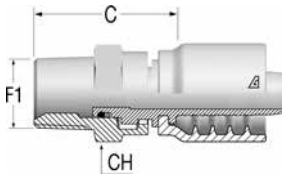


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1232917	C12A22810-04040	NA	04	6,0	1/4"	04	1/4-18	27,8	19,0
1232918	C12A22810-06060	NA	06	10,0	3/8"	06	3/8-18	28,8	22,0
1232919	C12A22810-08080	NA	08	13,0	1/2"	08	1/2-14	35,6	25,0
1232920	C12A22810-12120	NA	12	19,0	3/4"	12	3/4-14	38,1	32,0
1232921	C12A22810-16160	NA	16	25,0	1"	16	1-11 1/2	44,9	38,0

Dimensions shown may be changed without prior notice

// C12A12811

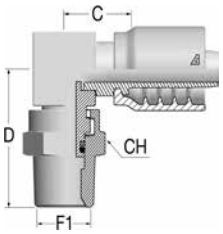
NPTF Male Swivel 60° Seat



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1232642	C12A12811-04040	NA	04	6,0	1/4"	04	1/4-18	37,6	24,0
1232643	C12A12811-06040	NA	06	10,0	3/8"	04	1/4-18	39,6	27,0
1232644	C12A12811-06060	NA	06	10,0	3/8"	06	3/8-18	37,5	27,0
1232645	C12A12811-06080	CR	06	10,0	3/8"	08	1/2-14	43,5	32,0
1232646	C12A12811-08060	NA	08	13,0	1/2"	06	3/8-18	38,3	36,0
1232647	C12A12811-08080	NA	08	13,0	1/2"	08	1/2-14	42,3	36,0
1232648	C12A12811-12120	CR	12	19,0	3/4"	12	3/4-14	50,1	41,0
1232649	C12A12811-16160	NA	16	25,0	1"	16	1-11 1/2	57,9	41,0

// C12A12881

90° Compact NPTF Male Swivel 60° Seat



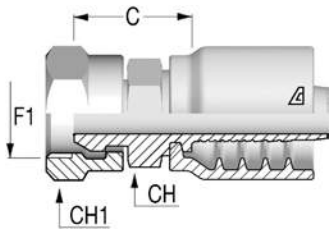
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH
			Dash	mm	in	Dash Size		mm	mm	mm
1232651	C12A12881-04040	CR	04	6,0	1/4"	04	1/4-18	17,0	39,0	17,0
1232652	C12A12881-06060	CR	06	10,0	3/8"	06	3/8-18	20,0	41,0	22,0
1232653	C12A12881-08080	CR	08	13,0	1/2"	08	1/2-14	23,0	48,0	22,0

Dimensions shown may be changed without prior notice

// NPSM INSERTS

// C12A27311

NPSM Female



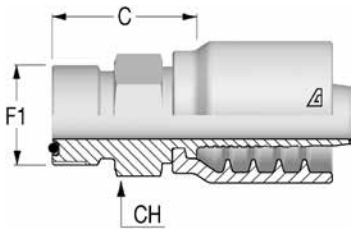
Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1232957	C12A27311-04040	CR	04	6,0	1/4"	04	1/4-18	24,3	19,0	19,0
1232958	C12A27311-06060	CR	06	10,0	3/8"	06	3/8-18	24,8	22,0	22,0
1232959	C12A27311-08080	CR	08	13,0	1/2"	08	1/2-14	26,6	22,0	27,0
1232960	C12A27311-12120	CR	12	19,0	3/4"	12	3/4-14	28,6	32,0	32,0
1232961	C12A27311-16160	CR	16	25,0	1"	16	1-11 1/2	35,4	36,0	38,0

Dimensions shown may be changed without prior notice

// ORFS INSERTS

// C12A12410

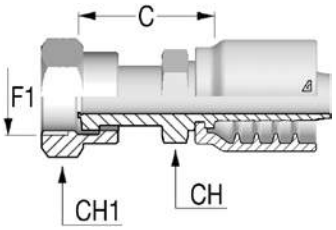
ORFS Male



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1232593	C12A12410-04040	NA	04	6,0	1/4"	04	9/16-18	22,3	17,0
1232594	C12A12410-04060	NA	04	6,0	1/4"	06	11/16-16	24,3	19,0
1232595	C12A12410-06060	NA	06	10,0	3/8"	06	11/16-16	24,3	19,0
1232596	C12A12410-06080	NA	06	10,0	3/8"	08	13/16-16	26,3	22,0
1232597	C12A12410-06100	NA	06	10,0	3/8"	10	1-14	29,8	27,0
1232598	C12A12410-08080	NA	08	13,0	1/2"	08	13/16-16	27,1	22,0
1232599	C12A12410-08100	NA	08	13,0	1/2"	10	1-14	30,6	27,0
1232600	C12A12410-08120	NA	08	13,0	1/2"	12	1 3/16-12	34,1	32,0
1232601	C12A12410-10100	NA	10	16,0	5/8"	10	1-14	30,6	27,0
1232602	C12A12410-10120	NA	10	16,0	5/8"	12	1 3/16-12	34,1	32,0
1232603	C12A12410-12120	NA	12	19,0	3/4"	12	1 3/16-12	34,6	32,0
1232604	C12A12410-12160	NA	12	19,0	3/4"	16	1 7/16-12	38,1	41,0
1232605	C12A12410-16160	NA	16	25,0	1"	16	1 7/16-12	37,9	38,0

// C12A22411

ORFS Female with Stem Hexagon

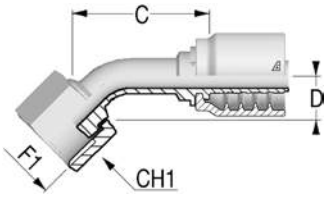


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1249411	C12A22414-04040	SN	04	6,0	1/4"	04	9/16-18	29,5	14,0	17,0
1249412	C12A22414-04060	SN	04	6,0	1/4"	06	11/16-16	31,8	17,0	22,0
1249413	C12A22414-04080	SN	04	6,0	1/4"	08	13/16-16	35,8	22,0	24,0
1249414	C12A22414-05060	SN	05	8,0	5/16"	06	11/16-16	30,8	17,0	22,0
1249415	C12A22414-06060	SN	06	10,0	3/8"	06	11/16-16	30,8	17,0	22,0
1249416	C12A22414-06080	SN	06	10,0	3/8"	08	13/16-16	39,3	22,0	24,0
1249417	C12A22414-06100	SN	06	10,0	3/8"	10	1-14	39,8	24,0	30,0
1232789	C12A22411-08060	CR	08	13,0	1/2"	06	11/16-16	32,1	19,0	22,0
1249418	C12A22414-08080	SN	08	13,0	1/2"	08	13/16-16	40,5	22,0	24,0
1249419	C12A22414-08100	SN	08	13,0	1/2"	10	1-14	43,0	24,0	30,0
1249420	C12A22414-08120	SN	08	13,0	1/2"	12	1 3/16-12	42,1	30,0	36,0
1249421	C12A22414-10100	SN	10	16,0	5/8"	10	1-14	45,0	24,0	30,0
1249422	C12A22414-10120	SN	10	16,0	5/8"	12	1 3/16-12	42,1	30,0	36,0
1232795	C12A22411-12100	CR	12	19,0	3/4"	10	1-14	40,1	27,0	30,0
1249423	C12A22414-12120	SN	12	19,0	3/4"	12	1 3/16-12	42,6	30,0	36,0
1249424	C12A22414-12160	SN	12	19,0	3/4"	16	1 7/16-12	42,6	36,0	41,0
1232798	C12A22411-16120	CR	16	25,0	1"	12	1 3/16-12	45,4	32,0	36,0
1249425	C12A22414-16160	SN	16	25,0	1"	16	1 7/16-12	51,4	36,0	41,0
1232800	C12A22411-16200	CR	16	25,0	1"	20	1 11/16-12	50,4	41,0	50,0

Dimensions shown may be changed without prior notice

// C12A22443-M

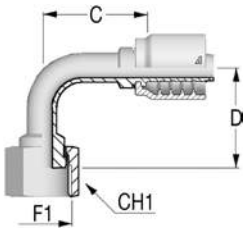
45° ORFS Female - Medium Drop
DK ORFS 45M
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1232802	C12A22443-0404M	SN	04	6,0	1/4"	04	9/16-18	41,1	11,0	17,0
1232803	C12A22443-0406M	SN	04	6,0	1/4"	06	11/16-16	46,1	11,0	22,0
1232804	C12A22443-0506M	SN	05	8,0	5/16"	06	11/16-16	46,3	12,0	22,0
1232805	C12A22443-0606M	SN	06	10,0	3/8"	06	11/16-16	47,4	12,0	22,0
1232806	C12A22443-0608M	SN	06	10,0	3/8"	08	13/16-16	51,2	15,0	24,0
1232801	C12A22441-0808M	CR	08	13,0	1/2"	08	13/16-16	47,1	16,0	24,0
1232807	C12A22443-0810M	SN	08	13,0	1/2"	10	1-14	50,4	16,5	30,0
1232808	C12A22443-1010M	SN	10	16,0	5/8"	10	1-14	57,7	17,0	30,0
1232809	C12A22443-1012M	SN	10	16,0	5/8"	12	1 3/16-12	63,1	21,0	36,0
1232810	C12A22443-1212M	SN	12	19,0	3/4"	12	1 3/16-12	63,5	21,0	36,0
1232811	C12A22443-1216M	SN	12	19,0	3/4"	16	1 7/16-12	70,7	24,0	41,0
1232812	C12A22443-1616M	SN	16	25,0	1"	16	1 7/16-12	82,4	26,0	41,0
1232813	C12A22443-1620M	SN	16	25,0	1"	20	1 11/16-12	85,4	26,0	50,0

// C12A22493-S

90° ORFS Female - Short Drop
DK ORFS 90S
Solid one piece

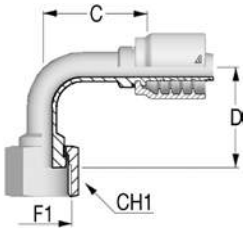


Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1232819	C12A22493-0404S	SN	04	6,0	1/4"	04	9/16-18	28,5	21,0	17,0
1232822	C12A22493-0406S	SN	04	6,0	1/4"	06	11/16-16	32,0	23,0	22,0
1232826	C12A22493-0606S	SN	06	10,0	3/8"	06	11/16-16	41,8	25,0	22,0
1232829	C12A22493-0608S	SN	06	10,0	3/8"	08	13/16-16	41,8	29,0	24,0
1232816	C12A22491-0808S	CR	08	13,0	1/2"	08	13/16-16	39,8	29,0	24,0
1232832	C12A22493-0810S	SN	08	13,0	1/2"	10	1-14	46,3	32,5	30,0
1232835	C12A22493-1010S	SN	10	16,0	5/8"	10	1-14	52,3	32,5	30,0
1232837	C12A22493-1012S	SN	10	16,0	5/8"	12	1 3/16-12	55,4	49,0	36,0
1232840	C12A22493-1212S	SN	12	19,0	3/4"	12	1 3/16-12	60,6	51,0	36,0
1232842	C12A22493-1216S	SN	12	19,0	3/4"	16	1 7/16-12	61,6	56,0	41,0
1232845	C12A22493-1616S	SN	16	25,0	1"	16	1 7/16-12	80,0	58,0	41,0
1232847	C12A22493-1620S	SN	16	25,0	1"	20	1 11/16-12	82,6	64,0	50,0

Dimensions shown may be changed without prior notice

// C12A22493-M

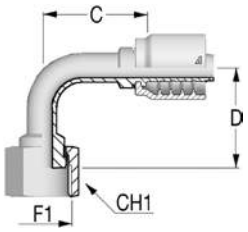
90° ORFS Female - Medium Drop
DK ORFS 90M
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1232818	C12A22493-0404M	SN	04	6,0	1/4"	04	9/16-18	29,8	32,0	17,0
1232821	C12A22493-0406M	SN	04	6,0	1/4"	06	11/16-16	37,3	38,0	22,0
1232823	C12A22493-0506M	SN	05	8,0	5/16"	06	11/16-16	40,7	34,0	22,0
1232825	C12A22493-0606M	SN	06	10,0	3/8"	06	11/16-16	41,8	38,0	22,0
1232828	C12A22493-0608M	SN	06	10,0	3/8"	08	13/16-16	43,8	41,0	24,0
1232815	C12A22491-0808M	CR	08	13,0	1/2"	08	13/16-16	34,8	42,0	24,0
1232831	C12A22493-0810M	SN	08	13,0	1/2"	10	1-14	48,3	47,0	30,0
1232834	C12A22493-1010M	SN	10	16,0	5/8"	10	1-14	55,4	44,0	30,0
1232836	C12A22493-1012M	SN	10	16,0	5/8"	12	1 3/16-12	55,4	58,0	36,0
1232839	C12A22493-1212M	SN	12	19,0	3/4"	12	1 3/16-12	61,6	58,0	36,0
1232841	C12A22493-1216M	SN	12	19,0	3/4"	16	1 7/16-12	65,6	71,0	41,0
1232844	C12A22493-1616M	SN	16	25,0	1"	16	1 7/16-12	82,6	66,0	41,0
1232846	C12A22493-1620M	SN	16	25,0	1"	20	1 11/16-12	82,6	78,0	50,0

// C12A22493-L

90° ORFS Female - Long Drop
DK ORFS 90L
Solid one piece



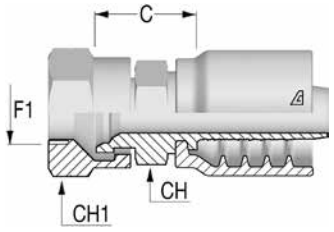
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1232817	C12A22493-0404L	CR	04	6,0	1/4"	04	9/16-18	32,8	46,0	24,0
1232820	C12A22493-0406L	SN	04	6,0	1/4"	06	11/16-16	34,8	54,0	30,0
1232824	C12A22493-0606L	SN	06	10,0	3/8"	06	11/16-16	41,8	54,0	30,0
1232827	C12A22493-0608L	SN	06	10,0	3/8"	08	13/16-16	46,8	64,0	30,0
1232814	C12A22491-0808L	CR	08	13,0	1/2"	08	13/16-16	38,3	64,0	30,0
1232830	C12A22493-0810L	SN	08	13,0	1/2"	10	1-14	46,3	70,0	36,0
1232833	C12A22493-1010L	SN	10	16,0	5/8"	10	1-14	55,4	70,0	36,0
1232838	C12A22493-1212L	SN	12	19,0	3/4"	12	1 3/16-12	61,6	96,0	41,0
1232843	C12A22493-1616L	SN	16	25,0	1"	16	1 7/16-12	82,6	114,0	41,0

Dimensions shown may be changed without prior notice

// JIS INSERTS

// C12A2381Z

JIS Female 60° Seat Flare - B 8363 (type F)



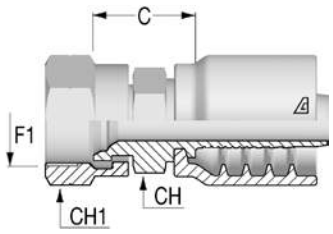
Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1232922	C12A2381Z-04040	CR	04	6,0	1/4"	04	1/4-19	20,8	17,0	19,0
1232923	C12A2381Z-06060	CR	06	10,0	3/8"	06	3/8-19	21,8	19,0	22,0
1232924	C12A2381Z-08080	CR	08	13,0	1/2"	08	1/2-14	23,6	22,0	27,0
1232925	C12A2381Z-12120	CR	12	19,0	3/4"	12	3/4-14	27,1	30,0	36,0
1232926	C12A2381Z-16160	CR	16	25,0	1"	16	1-11	32,9	36,0	41,0

Dimensions shown may be changed without prior notice

// KOMATSU INSERTS

// C12A24011

Komatsu Female



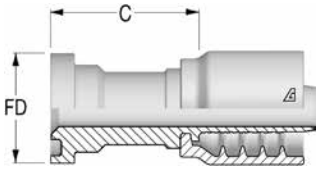
Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1232927	C12A24011-04140	CR	04	6,0	1/4"	14	M14X1.5	20,8	17,0	19,0
1232928	C12A24011-06180	CR	06	10,0	3/8"	18	M18X1.5	21,8	19,0	22,0
1232929	C12A24011-08220	CR	08	13,0	1/2"	22	M22X1.5	23,6	22,0	27,0
1232930	C12A24011-10240	CR	10	16,0	5/8"	24	M24X1.5	27,1	32,0	32,0
1232931	C12A24011-12300	CR	12	19,0	3/4"	30	M30X1.5	27,6	30,0	36,0
1232932	C12A24011-16330	CR	16	25,0	1"	33	M33X1.5	35,7	41,0	41,0

Dimensions shown may be changed without prior notice

// SAE FLANGES

// C12A43310

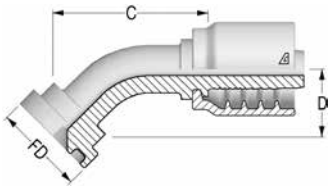
Flange SAE 3000 PSI J518 Code 61 - SFL



Item Code	Part Number	ID			Flange	Flange Size	C	FD	WP
		Dash	mm	in	Dash Size		mm	mm	psi
1232962	C12A43310-08080	08	13,0	1/2"	08	1/2	41,0	30,2	5000
1232963	C12A43310-08120	08	13,0	1/2"	12	3/4	42,0	38,1	5000
1232964	C12A43310-12120	12	19,0	3/4"	12	3/4	42,5	38,1	5000
1232965	C12A43310-12160	12	19,0	3/4"	16	1	50,5	44,5	5000
1232966	C12A43310-16160	16	25,0	1"	16	1	51,4	44,5	5000
1232967	C12A43310-16200	16	25,0	1"	20	1 1/4	53,9	50,8	4000

// C12A43340

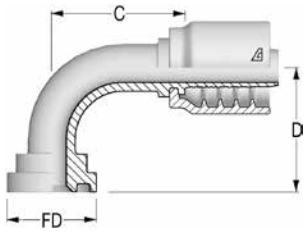
45° Flange SAE 3000 PSI J518 Code 61 - SFL 45
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1232968	C12A43340-08080	08	13,0	1/2"	08	1/2	30,2	52,9	22,0	5000
1232969	C12A43340-08120	08	13,0	1/2"	12	3/4	38,1	60,3	26,0	5000
1232970	C12A43340-10120	10	16,0	5/8"	12	3/4	38,1	65,0	26,0	5000
1232971	C12A43340-12120	12	19,0	3/4"	12	3/4	38,1	73,7	32,0	5000
1232972	C12A43340-12160	12	19,0	3/4"	16	1	44,5	77,9	29,0	5000
1232973	C12A43340-16160	16	25,0	1"	16	1	44,5	82,7	33,5	5000
1232974	C12A43340-16200	16	25,0	1"	20	1 1/4	50,8	82,2	36,0	4000

// C12A43390

90° Flange SAE 3000 PSI J518 Code 61 - SFL 90
Solid one piece

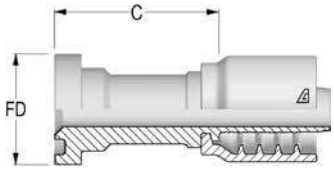


Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1232975	C12A43390-08080	08	13,0	1/2"	08	1/2	30,2	45,8	42,0	5000
1232976	C12A43390-08120	08	13,0	1/2"	12	3/4	38,1	45,3	51,0	5000
1232977	C12A43390-12120	12	19,0	3/4"	12	3/4	38,1	59,7	58,0	5000
1232978	C12A43390-12160	12	19,0	3/4"	16	1	44,5	66,2	64,5	5000
1232979	C12A43390-16160	16	25,0	1"	16	1	44,5	70,6	67,0	5000
1232980	C12A43390-16200	16	25,0	1"	20	1 1/4	50,8	73,6	71,0	4000
1232981	C12A43390-16240	16	25,0	1"	24	1 1/2	60,3	93,1	75,0	3000

Dimensions shown may be changed without prior notice

// C12A43610

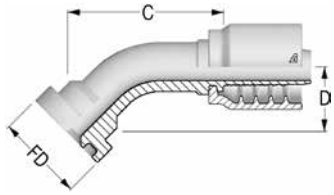
Flange SAE 6000 PSI J518 Code 62 - SFS



Item Code	Part Number	ID			Flange	Flange Size	C	FD	WP
		Dash	mm	in	Dash Size		mm	mm	psi
1232982	C12A43610-08080	08	13,0	1/2"	08	1/2	47,0	31,8	6000
1232983	C12A43610-08120	08	13,0	1/2"	12	3/4	52,0	41,3	6000
1232984	C12A43610-12120	12	19,0	3/4"	12	3/4	52,5	41,3	6000
1232985	C12A43610-12160	12	19,0	3/4"	16	1	55,5	47,6	6000
1232986	C12A43610-16120	16	25,0	1"	12	3/4	56,4	41,3	6000
1232987	C12A43610-16160	16	25,0	1"	16	1	56,4	47,6	6000
1232988	C12A43610-16200	16	25,0	1"	20	1 1/4	63,4	54,0	6000

// C12A43640

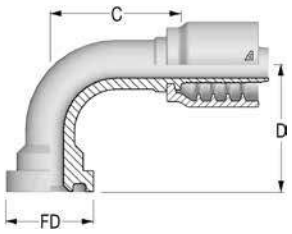
45° Flange SAE 6000 PSI J518 Code 62 - SFS 45
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1232989	C12A43640-08080	08	13,0	1/2"	08	1/2	31,8	56,5	23,0	6000
1232990	C12A43640-08120	08	13,0	1/2"	12	3/4	41,3	79,9	30,5	6000
1232991	C12A43640-12120	12	19,0	3/4"	12	3/4	41,3	84,1	31,0	6000
1232992	C12A43640-12160	12	19,0	3/4"	16	1	47,6	80,0	33,5	6000
1232993	C12A43640-16160	16	25,0	1"	16	1	47,6	96,7	36,0	6000
1232994	C12A43640-16200	16	25,0	1"	20	1 1/4	54,0	96,1	39,0	6000

// C12A43690

90° Flange SAE 6000 PSI J518 Code 62 - SFS 90
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1232995	C12A43690-08080	08	13,0	1/2"	08	1/2	31,8	47,8	46,0	6000
1232996	C12A43690-08120	08	13,0	1/2"	12	3/4	41,3	47,8	54,0	6000
1232997	C12A43690-10120	10	16,0	5/8"	12	3/4	41,3	49,9	55,0	6000
1232998	C12A43690-12120	12	19,0	3/4"	12	3/4	41,3	63,2	61,0	6000
1232999	C12A43690-12160	12	19,0	3/4"	16	1	47,6	63,2	66,0	6000
1233000	C12A43690-16160	16	25,0	1"	16	1	47,6	73,6	75,0	6000
1233001	C12A43690-16200	16	25,0	1"	20	1 1/4	54,0	77,6	78,0	6000

// ALFACRIMP // C124

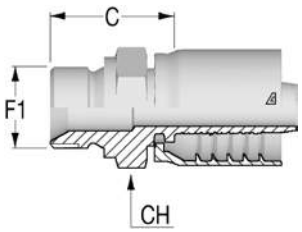
// BSP INSERTS 160
// DIN METRIC INSERTS 163
// SAE INSERTS 167
// JIC 37° INSERTS 168
// NPTF INSERTS 172
// ORFS INSERTS 174
// SAE FLANGES 177
// C122 SAE FLANGES 180

Dimensions shown may be changed without prior notice

// BSP INSERTS

// C12410510

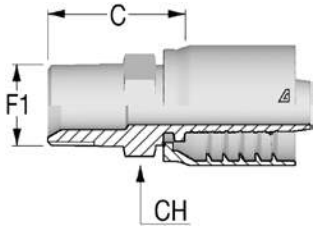
BSPP Male 60° Flare
AGR



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1215573	C12410510-06060	NA	06	10,0	3/8"	06	3/8-19	27,8	22,0
1233019	C12410510-06080	NA	06	10,0	3/8"	08	1/2-14	31,3	27,0
1233020	C12410510-08060	NA	08	13,0	1/2"	06	3/8-19	28,6	22,0
1233021	C12410510-08080	NA	08	13,0	1/2"	08	1/2-14	32,1	27,0
1233022	C12410510-08100	NA	08	13,0	1/2"	10	5/8-14	34,1	30,0
1215574	C12410510-08120	NA	08	13,0	1/2"	12	3/4-14	36,1	32,0
1233023	C12410510-10100	NA	10	16,0	5/8"	10	5/8-14	34,1	30,0
1233024	C12410510-10120	NA	10	16,0	5/8"	12	3/4-14	36,1	32,0
1215575	C12410510-12120	NA	12	19,0	3/4"	12	3/4-14	36,6	32,0
1233025	C12410510-12160	NA	12	19,0	3/4"	16	1-11	41,6	41,0
1215576	C12410510-16160	NA	16	25,0	1"	16	1-11	42,4	41,0
1233026	C12410510-16200	NA	16	25,0	1"	20	1 1/4-11	46,4	50,0
1215577	C12410510-20200	NA	20	32,0	1 1/4"	20	1 1/4-11	48,0	50,0
1215578	C12410510-24240	NA	24	38,0	1 1/2"	24	1 1/2-11	51,0	55,0
1215579	C12410510-32320	NA	32	51,0	2"	32	2-11	53,5	70,0

// C12410710

BSPT Male
AGR K

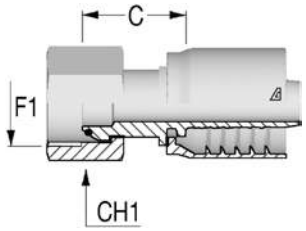


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1215580	C12410710-06060	NA	06	10,0	3/8"	06	3/8-19	27,8	19,0
1215581	C12410710-06080	NA	06	10,0	3/8"	08	1/2-14	32,3	22,0
1215582	C12410710-08080	NA	08	13,0	1/2"	08	1/2-14	33,1	22,0
1215583	C12410710-10120	NA	10	16,0	5/8"	12	3/4-14	34,1	27,0
1215584	C12410710-12120	NA	12	19,0	3/4"	12	3/4-14	34,6	27,0
1215585	C12410710-12160	NA	12	19,0	3/4"	16	1-11	43,6	36,0
1215586	C12410710-16160	NA	16	25,0	1"	16	1-11	44,4	36,0
1215587	C12410710-20200	NA	20	32,0	1 1/4"	20	1 1/4-11	49,0	46,0
1215588	C12410710-24240	NA	24	38,0	1 1/2"	24	1 1/2-11	50,5	50,0
1215589	C12410710-32320	NA	32	51,0	2"	32	2-11	54,2	65,0

Dimensions shown may be changed without prior notice

// C12420813

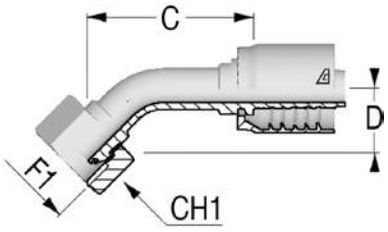
BSPP Female 60° Cone with O-Ring
DKOR



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH1
			Dash	mm	in	Dash Size		mm	mm
1215665	C12420813-06060	SN	06	10,0	3/8"	06	3/8-19	23,3	22,0
1215666	C12420813-06080	SN	06	10,0	3/8"	08	1/2-14	24,3	27,0
1215667	C12420813-08080	SN	08	13,0	1/2"	08	1/2-14	25,1	27,0
1215668	C12420813-08100	SN	08	13,0	1/2"	10	5/8-14	28,4	27,0
1215669	C12420813-08120	SN	08	13,0	1/2"	12	3/4-14	29,0	32,0
1215659	C12420811-10100	CR	10	16,0	5/8"	10	5/8-14	17,1	27,0
1215670	C12420813-10120	SN	10	16,0	5/8"	12	3/4-14	29,0	32,0
1215660	C12420811-12120	CR	12	19,0	3/4"	12	3/4-14	20,6	32,0
1215671	C12420813-12160	SN	12	19,0	3/4"	16	1-11	34,0	38,0
1215661	C12420811-16160	CR	16	25,0	1"	16	1-11	23,9	38,0
1215672	C12420813-16200	SN	16	25,0	1"	20	1 1/4-11	39,4	50,0
1215662	C12420812-20200	TN	20	32,0	1 1/4"	20	1 1/4-11	32,0	50,0
1215673	C12420813-20240	SN	20	32,0	1 1/4"	24	1 1/2-11	41,9	55,0
1215663	C12420812-24240	TN	24	38,0	1 1/2"	24	1 1/2-11	33,8	55,0
1215664	C12420812-32320	TN	32	51,0	2"	32	2-11	34,0	70,0

// C12420843

45° BSPP Female 60° Cone with O-Ring
DKOR 45
Solid one piece

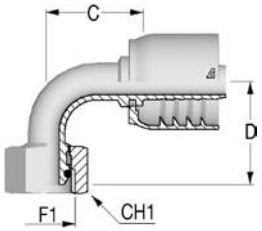


Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1215681	C12420843-06060	SN	06	10,0	3/8"	06	3/8-19	49,9	20,5	22,0
1215682	C12420843-06080	SN	06	10,0	3/8"	08	1/2-14	45,7	21,0	27,0
1215683	C12420843-08080	SN	08	13,0	1/2"	08	1/2-14	55,0	21,0	27,0
1215684	C12420843-08100	SN	08	13,0	1/2"	10	5/8-14	57,2	23,0	27,0
1215685	C12420843-08120	SN	08	13,0	1/2"	12	3/4-14	56,7	23,0	32,0
1215674	C12420841-10100	CR	10	16,0	5/8"	10	5/8-14	64,0	21,5	27,0
1215686	C12420843-10120	SN	10	16,0	5/8"	12	3/4-14	66,5	22,5	32,0
1215675	C12420841-12120	CR	12	19,0	3/4"	12	3/4-14	70,0	28,0	32,0
1215687	C12420843-12160	SN	12	19,0	3/4"	16	1-11	74,6	31,5	38,0
1215677	C12420841-16160	CR	16	25,0	1"	16	1-11	84,0	34,0	38,0
1215678	C12420842-20200	TN	20	32,0	1 1/4"	20	1 1/4-11	100,8	40,0	50,0
1215679	C12420842-24240	TN	24	38,0	1 1/2"	24	1 1/2-11	115,7	46,0	55,0
1215680	C12420842-32320	TN	32	51,0	2"	32	2-11	151,5	60,0	70,0

Dimensions shown may be changed without prior notice

// C12420893

90° BSPP Female 60° Cone with O-Ring
DKOR 90
Solid one piece



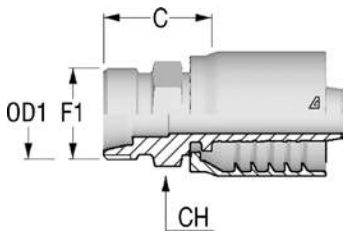
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1215696	C12420893-06060	SN	06	10,0	3/8"	06	3/8-19	34,8	42,0	22,0
1215697	C12420893-06080	SN	06	10,0	3/8"	08	1/2-14	34,3	35,5	27,0
1215698	C12420893-08080	SN	08	13,0	1/2"	08	1/2-14	35,8	41,0	27,0
1215699	C12420893-08100	SN	08	13,0	1/2"	10	5/8-14	41,6	43,5	27,0
1233027	C12420893-08120	SN	08	13,0	1/2"	12	3/4-14	41,8	43,0	32,0
1215690	C12420891-10100	CR	10	16,0	5/8"	10	5/8-14	47,9	47,0	27,0
1233028	C12420893-10120	SN	10	16,0	5/8"	12	3/4-14	51,9	49,0	32,0
1215691	C12420891-12120	CR	12	19,0	3/4"	12	3/4-14	49,1	53,0	32,0
1215700	C12420893-12160	SN	12	19,0	3/4"	16	1-11	54,1	60,5	38,0
1215692	C12420891-16160	CR	16	25,0	1"	16	1-11	75,1	69,0	38,0
1233029	C12420893-16200	SN	16	25,0	1"	20	1 1/4-11	75,1	88,5	50,0
1215693	C12420892-20200	TN	20	32,0	1 1/4"	20	1 1/4-11	82,3	83,0	50,0
1215694	C12420892-24240	TN	24	38,0	1 1/2"	24	1 1/2-11	95,7	96,0	55,0
1215695	C12420892-32320	TN	32	51,0	2"	32	2-11	128,5	136,0	70,0

Dimensions shown may be changed without prior notice

// DIN METRIC INSERTS

// C12411110

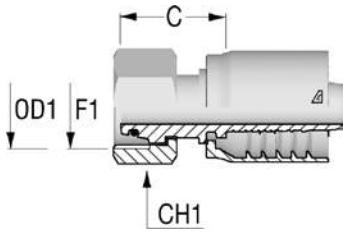
Metric Male 24° Seat - Light
DIN 3853 - CEL



Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH
			Dash	mm	in		mm	mm	mm
1215590	C12411110-06160	NA	06	10,0	3/8"	M16X1.5	10	23,3	17,0
1215591	C12411110-06180	NA	06	10,0	3/8"	M18X1.5	12	24,3	19,0
1230378	C12411110-06220	NA	06	10,0	3/8"	M22X1.5	15	25,3	22,0
1215592	C12411110-08220	NA	08	13,0	1/2"	M22X1.5	15	26,1	22,0
1230379	C12411110-08260	NA	08	13,0	1/2"	M26X1.5	18	27,1	27,0
1215593	C12411110-10260	NA	10	16,0	5/8"	M26X1.5	18	27,1	27,0
1215594	C12411110-12300	NA	12	19,0	3/4"	M30X2	22	31,6	32,0
1215595	C12411110-16360	NA	16	25,0	1"	M36X2	28	34,4	36,0
1215596	C12411110-20450	NA	20	32,0	1 1/4"	M45X2	35	40,0	46,0
1233030	C12411110-24520	NA	24	38,0	1 1/2"	M52X2	42	42,0	55,0

// C12421513

Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL

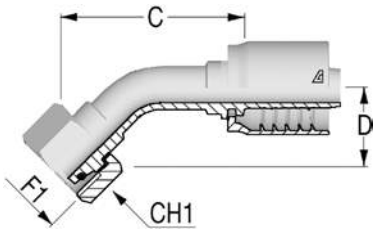


Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH1
			Dash	mm	in		mm	mm	mm
1215702	C12421513-06180	SN	06	10,0	3/8"	M18X1.5	12	25,4	22,0
1215703	C12421513-08220	SN	08	13,0	1/2"	M22X1.5	15	28,2	27,0
1215704	C12421513-10260	SN	10	16,0	5/8"	M26X1.5	18	29,2	32,0
1215705	C12421513-12300	SN	12	19,0	3/4"	M30X2	22	31,7	36,0
1215706	C12421513-16360	SN	16	25,0	1"	M36X2	28	33,6	41,0
1215707	C12421513-20450	SN	20	32,0	1 1/4"	M45X2	35	40,1	50,0
1230386	C12421513-24520	SN	24	38,0	1 1/2"	M52X2	42	40,5	60,0

Dimensions shown may be changed without prior notice

// C12421543

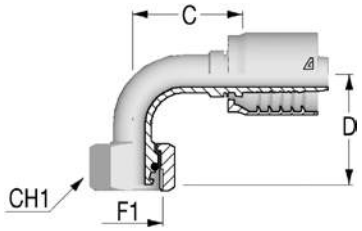
45° Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL 45
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in		mm	mm	mm	mm
1215708	C12421543-06180	SN	06	10,0	3/8"	M18X1.5	12	46,8	19,5	22,0
1215709	C12421543-08220	SN	08	13,0	1/2"	M22X1.5	15	55,0	21,0	22,0
1215710	C12421543-10260	SN	10	16,0	5/8"	M26X1.5	18	65,3	24,0	32,0
1215711	C12421543-12300	SN	12	19,0	3/4"	M30X2	22	69,4	32,0	36,0
1215712	C12421543-16360	SN	16	25,0	1"	M36X2	28	91,4	32,0	41,0
1233031	C12421543-20450	SN	20	32,0	1 1/4"	M45X2	35	141,5	45,0	50,0

// C12421593

90° Metric Female 24° Cone with O-Ring - Light
DIN 3865 - DKOL 90
Solid one piece

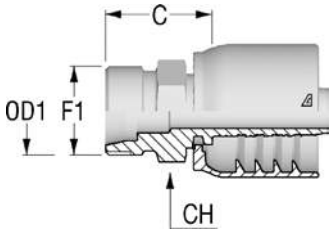


Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in		mm	mm	mm	mm
1215713	C12421593-06180	SN	06	10,0	3/8"	M18X1.5	12	32,8	39,0	22,0
1215714	C12421593-08220	SN	08	13,0	1/2"	M22X1.5	15	39,8	40,5	27,0
1215715	C12421593-10260	SN	10	16,0	5/8"	M26X1.5	18	51,4	48,0	32,0
1215716	C12421593-12300	SN	12	19,0	3/4"	M30X2	22	52,1	59,0	36,0
1215717	C12421593-16360	SN	16	25,0	1"	M36X2	28	77,6	68,0	41,0
1215718	C12421593-20450	SN	20	32,0	1 1/4"	M45X2	35	90,5	89,0	50,0
1230388	C12421593-24520	SN	24	38,0	1 1/2"	M52X2	42	106,5	100,0	60,0

Dimensions shown may be changed without prior notice

// C12411210

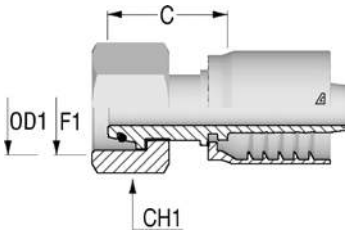
Metric Male 24° Seat - Heavy
DIN 3853 - CES



Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH
			Dash	mm	in		mm	mm	mm
1215597	C12411210-06200	NA	06	10,0	3/8"	M20X1.5	12	25,3	22,0
1215598	C12411210-06220	NA	06	10,0	3/8"	M22X1.5	14	27,3	22,0
1215599	C12411210-08240	NA	08	13,0	1/2"	M24X1.5	16	29,1	24,0
1215600	C12411210-10300	NA	10	16,0	5/8"	M30X2	20	33,1	32,0
1215601	C12411210-12300	NA	12	19,0	3/4"	M30X2	20	33,6	32,0
1215602	C12411210-12360	NA	12	19,0	3/4"	M36X2	25	37,6	36,0
1215603	C12411210-16420	NA	16	25,0	1"	M42X2	30	42,4	46,0
1233032	C12411210-20520	NA	20	32,0	1 1/4"	M52X2	38	48,0	55,0

// C12421613

Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS

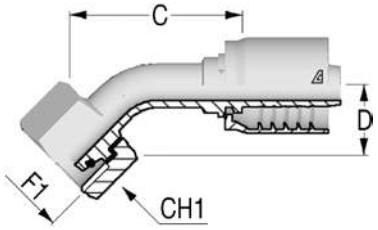


Item Code	Part Number	Nut Type	ID			F1	OD1	C	CH1
			Dash	mm	in		mm	mm	mm
1215720	C12421613-06200	SN	06	10,0	3/8"	M20X1.5	12	27,6	24,0
1215721	C12421613-06220	SN	06	10,0	3/8"	M22X1.5	14	31,1	27,0
1215722	C12421613-08240	SN	08	13,0	1/2"	M24X1.5	16	31,7	30,0
1215723	C12421613-10300	SN	10	16,0	5/8"	M30X2	20	36,5	36,0
1215724	C12421613-12300	SN	12	19,0	3/4"	M30X2	20	37,0	36,0
1215725	C12421613-12360	SN	12	19,0	3/4"	M36X2	25	40,2	46,0
1230389	C12421613-16360	SN	16	25,0	1"	M36X2	25	41,0	46,0
1215726	C12421613-16420	SN	16	25,0	1"	M42X2	30	43,1	50,0
1215727	C12421613-20420	SN	20	32,0	1 1/4"	M42X2	30	44,7	50,0
1215728	C12421613-20520	SN	20	32,0	1 1/4"	M52X2	38	48,1	60,0

Dimensions shown may be changed without prior notice

// C12421643

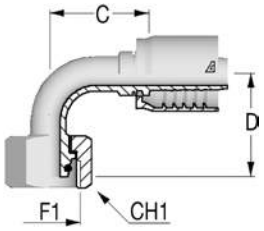
45° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 45
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in		mm	mm	mm	mm
1215729	C12421643-06200	SN	06	10,0	3/8"	M20X1.5	12	50,6	20,0	24,0
1233033	C12421643-06220	SN	06	10,0	3/8"	M22X1.5	14	52,9	21,0	27,0
1215730	C12421643-08240	SN	08	13,0	1/2"	M24X1.5	16	55,8	21,5	30,0
1215731	C12421643-10300	SN	10	16,0	5/8"	M30X2	20	66,3	30,0	36,0
1215732	C12421643-12360	SN	12	19,0	3/4"	M36X2	25	69,5	33,0	46,0
1215733	C12421643-16420	SN	16	25,0	1"	M42X2	30	110,3	40,5	50,0
1215734	C12421643-20520	SN	20	32,0	1 1/4"	M52X2	38	109,0	45,0	60,0

// C12421693

90° Metric Female 24° Cone with O-Ring - Heavy
DIN 3865 - DKOS 90
Solid one piece



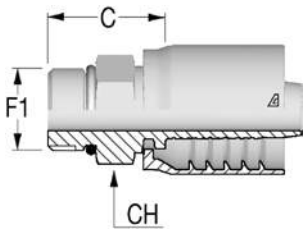
Item Code	Part Number	Nut Type	ID			F1	OD1	C	D Drop	CH1
			Dash	mm	in		mm	mm	mm	mm
1215735	C12421693-06200	SN	06	10,0	3/8"	M20X1.5	12	34,3	38,5	24,0
1215736	C12421693-06220	SN	06	10,0	3/8"	M22X1.5	14	34,3	40,5	27,0
1215737	C12421693-08240	SN	08	13,0	1/2"	M24X1.5	16	39,8	41,5	30,0
1215738	C12421693-10300	SN	10	16,0	5/8"	M30X2	20	47,9	55,0	36,0
1215739	C12421693-12360	SN	12	19,0	3/4"	M36X2	25	50,6	59,5	46,0
1215740	C12421693-16420	SN	16	25,0	1"	M42X2	30	75,6	79,0	50,0
1215741	C12421693-20520	SN	20	32,0	1 1/4"	M52X2	38	94,0	92,0	60,0

Dimensions shown may be changed without prior notice

// SAE INSERTS

// C12413010

SAE Male Solid
O-Ring Boss



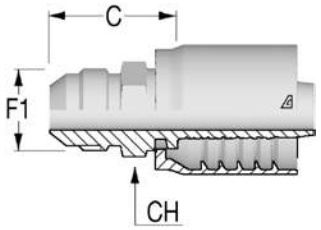
Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1233039	C12413010-06060	NA	06	10,0	3/8"	06	9/16-18	23,3	19,0
1215653	C12413010-08080	NA	08	13,0	1/2"	08	3/4-16	25,1	22,0
1233040	C12413010-08100	NA	08	13,0	1/2"	10	7/8-14	27,6	27,0
1233041	C12413010-08120	NA	08	13,0	1/2"	12	1 1/16-12	32,1	32,0
1233042	C12413010-10120	NA	10	16,0	5/8"	12	1 1/16-12	32,1	32,0
1233043	C12413010-12100	NA	12	19,0	3/4"	10	7/8-14	28,1	27,0
1215654	C12413010-12120	NA	12	19,0	3/4"	12	1 1/16-12	32,6	32,0
1215655	C12413010-12160	NA	12	19,0	3/4"	16	1 5/16-12	34,6	38,0
1215656	C12413010-16160	NA	16	25,0	1"	16	1 5/16-12	35,4	38,0

Dimensions shown may be changed without prior notice

// JIC 37° INSERTS

// C12412510

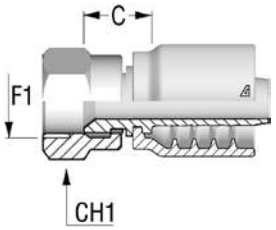
JIC Male 37° Cone
AGJ



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1215616	C12412510-06060	NA	06	10,0	3/8"	06	9/16-18	26,3	17,0
1215617	C12412510-06080	NA	06	10,0	3/8"	08	3/4-16	29,8	19,0
1215618	C12412510-08080	NA	08	13,0	1/2"	08	3/4-16	30,6	19,0
1215619	C12412510-08100	NA	08	13,0	1/2"	10	7/8-14	34,6	24,0
1215620	C12412510-08120	NA	08	13,0	1/2"	12	1 1/16-12	37,1	27,0
1215621	C12412510-10100	NA	10	16,0	5/8"	10	7/8-14	34,6	24,0
1215622	C12412510-10120	NA	10	16,0	5/8"	12	1 1/16-12	37,1	27,0
1215623	C12412510-12120	NA	12	19,0	3/4"	12	1 1/16-12	37,6	27,0
1215624	C12412510-12140	NA	12	19,0	3/4"	14	1 3/16-12	40,1	32,0
1215625	C12412510-12160	NA	12	19,0	3/4"	16	1 5/16-12	42,6	36,0
1215626	C12412510-16160	NA	16	25,0	1"	16	1 5/16-12	43,4	36,0
1215627	C12412510-16200	NA	16	25,0	1"	20	1 5/8-12	46,9	46,0
1215628	C12412510-20200	NA	20	32,0	1 1/4"	20	1 5/8-12	48,5	46,0
1215630	C12412510-24240	NA	24	38,0	1 1/2"	24	1 7/8-12	52,5	50,0

// C12422511

JIC Female 37° Seat
DKJ

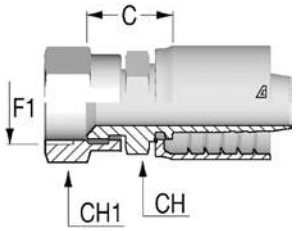


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH1
			Dash	mm	in	Dash Size		mm	mm
1215802	C12422511-06060	CR	06	10,0	3/8"	06	9/16-18	15,3	19,0
1233034	C12422511-06080	CR	06	10,0	3/8"	08	3/4-16	17,8	25,0
1230393	C12422511-08080	CR	08	13,0	1/2"	08	3/4-16	18,6	25,0
1215803	C12422511-08100	CR	08	13,0	1/2"	10	7/8-14	19,6	27,0
1215804	C12422511-08120	CR	08	13,0	1/2"	12	1 1/16-12	22,1	32,0
1215806	C12422511-10120	CR	10	16,0	5/8"	12	1 1/16-12	20,1	32,0
1215807	C12422511-12100	CR	12	19,0	3/4"	10	7/8-14	20,1	27,0
1215808	C12422511-12120	CR	12	19,0	3/4"	12	1 1/16-12	20,6	32,0
1215809	C12422511-12140	CR	12	19,0	3/4"	14	1 3/16-12	19,9	36,0
1233035	C12422511-12160	CR	12	19,0	3/4"	16	1 5/16-12	22,1	38,0
1230394	C12422511-16160	CR	16	25,0	1"	16	1 5/16-12	23,9	38,0
1233036	C12422512-16200	TN	16	25,0	1"	20	1 5/8-12	26,5	50,0
1215810	C12422512-20200	TN	20	32,0	1 1/4"	20	1 5/8-12	28,1	50,0
1233037	C12422512-20240	TN	20	32,0	1 1/4"	24	1 7/8-12	30,4	55,0
1215811	C12422512-24240	TN	24	38,0	1 1/2"	24	1 7/8-12	29,4	55,0
1215812	C12422512-32320	TN	32	51,0	2"	32	2 1/2-12	32,0	70,0

Dimensions shown may be changed without prior notice

// C12426511

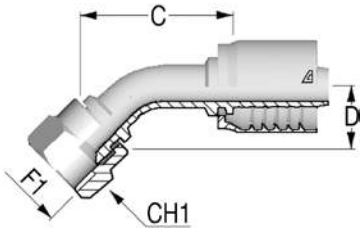
JIC Female 37° Seat with Stem Hexagon
DKJ



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1215874	C12426511-06060	CR	06	10,0	3/8"	06	9/16-18	21,3	17,0	19,0
1215875	C12426511-06080	CR	06	10,0	3/8"	08	3/4-16	24,8	19,0	25,0
1215876	C12426511-08060	CR	08	13,0	1/2"	06	9/16-18	23,1	19,0	19,0
1215877	C12426511-08080	CR	08	13,0	1/2"	08	3/4-16	25,6	19,0	25,0
1215878	C12426511-08100	CR	08	13,0	1/2"	10	7/8-14	26,6	22,0	27,0
1215879	C12426511-08120	CR	08	13,0	1/2"	12	1 1/16-12	28,1	25,0	32,0
1215880	C12426511-10080	CR	10	16,0	5/8"	08	3/4-16	26,6	24,0	25,0
1214172	C12426511-10100	CR	10	16,0	5/8"	10	7/8-14	27,6	24,0	27,0
1215881	C12426511-10120	CR	10	16,0	5/8"	12	1 1/16-12	28,1	25,0	32,0
1215883	C12426511-12120	CR	12	19,0	3/4"	12	1 1/16-12	28,6	27,0	32,0
1215885	C12426511-12160	CR	12	19,0	3/4"	16	1 5/16-12	32,1	32,0	38,0
1215886	C12426511-16120	CR	16	25,0	1"	12	1 1/16-12	31,4	32,0	32,0
1215887	C12426511-16160	CR	16	25,0	1"	16	1 5/16-12	32,9	32,0	38,0
1215888	C12426512-16200	TN	16	25,0	1"	20	1 5/8-12	37,5	41,0	50,0
1215889	C12426512-20200	TN	20	32,0	1 1/4"	20	1 5/8-12	39,1	41,0	50,0
1215890	C12426512-20240	TN	20	32,0	1 1/4"	24	1 7/8-12	43,4	50,0	55,0
1215891	C12426512-24240	TN	24	38,0	1 1/2"	24	1 7/8-12	43,4	50,0	55,0
1215892	C12426512-32320	TN	32	51,0	2"	32	2 1/2-12	49,0	65,0	70,0

// C12422541-M

45° JIC Female 37° Seat - Medium Drop
DKJ 45M
Solid one piece

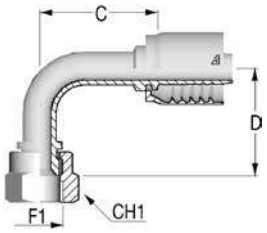


Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1215813	C12422541-0606M	CR	06	10,0	3/8"	06	9/16-18	46,3	11,0	19,0
1215814	C12422541-0608M	CR	06	10,0	3/8"	08	3/4-16	47,2	15,0	25,0
1215815	C12422541-0808M	CR	08	13,0	1/2"	08	3/4-16	51,6	15,0	25,0
1215816	C12422541-0810M	CR	08	13,0	1/2"	10	7/8-14	50,7	16,0	27,0
1215817	C12422541-0812M	CR	08	13,0	1/2"	12	1 1/16-12	57,0	21,0	32,0
1215818	C12422541-1010M	CR	10	16,0	5/8"	10	7/8-14	62,2	19,0	27,0
1230395	C12422541-1012M	CR	10	16,0	5/8"	12	1 1/16-12	68,6	21,0	32,0
1215819	C12422541-1212M	CR	12	19,0	3/4"	12	1 1/16-12	67,5	21,0	32,0
1215821	C12422541-1216M	CR	12	19,0	3/4"	16	1 5/16-12	71,4	26,0	38,0
1215822	C12422541-1616M	CR	16	25,0	1"	16	1 5/16-12	79,4	24,0	38,0
1215824	C12422542-1620M	TN	16	25,0	1"	20	1 5/8-12	83,8	37,0	50,0
1215825	C12422542-2020M	TN	20	32,0	1 1/4"	20	1 5/8-12	97,1	37,0	50,0
1215827	C12422542-2424M	TN	24	38,0	1 1/2"	24	1 7/8-12	112,7	43,0	55,0
1215828	C12422542-3232M	TN	32	51,0	2"	32	2 1/2-12	159,9	67,0	70,0

Dimensions shown may be changed without prior notice

// C12422591-S

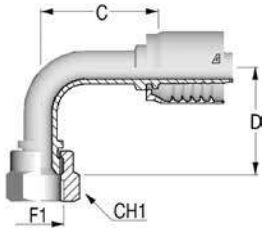
90° JIC Female 37° Seat - Short Drop
DKJ 90S
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1230396	C12422591-0812S	CR	08	13,0	1/2"	12	1 1/16-12	37,3	46,0	32,0
1215850	C12422591-1212S	CR	12	19,0	3/4"	12	1 1/16-12	58,2	46,0	32,0
1215854	C12422591-1216S	CR	12	19,0	3/4"	16	1 5/16-12	53,6	53,0	38,0
1215857	C12422591-1616S	CR	16	25,0	1"	16	1 5/16-12	74,0	56,0	38,0

// C12422591-M

90° JIC Female 37° Seat - Medium Drop
DKJ 90M
Solid one piece

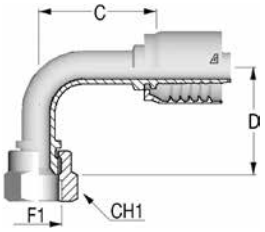


Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1215830	C12422591-0606M	CR	06	10,0	3/8"	06	9/16-18	31,3	35,0	19,0
1215833	C12422591-0608M	CR	06	10,0	3/8"	08	3/4-16	39,5	41,0	25,0
1215836	C12422591-0808M	CR	08	13,0	1/2"	08	3/4-16	37,2	40,0	25,0
1215839	C12422591-0810M	CR	08	13,0	1/2"	10	7/8-14	43,3	47,0	27,0
1233038	C12422591-0812M	CR	08	13,0	1/2"	12	1 1/16-12	42,8	58,0	32,0
1215842	C12422591-1010M	CR	10	16,0	5/8"	10	7/8-14	49,4	48,0	27,0
1215845	C12422591-1012M	CR	10	16,0	5/8"	12	1 1/16-12	47,9	58,0	32,0
1215849	C12422591-1212M	CR	12	19,0	3/4"	12	1 1/16-12	52,4	54,0	32,0
1215853	C12422591-1216M	CR	12	19,0	3/4"	16	1 5/16-12	52,6	72,0	38,0
1215856	C12422591-1616M	CR	16	25,0	1"	16	1 5/16-12	72,6	71,5	38,0
1230398	C12422592-1620M	TN	16	25,0	1"	20	1 5/8-12	72,6	78,0	50,0
1215858	C12422592-2020M	TN	20	32,0	1 1/4"	20	1 5/8-12	82,4	78,0	50,0
1215860	C12422592-2424M	TN	24	38,0	1 1/2"	24	1 7/8-12	95,3	92,0	55,0

Dimensions shown may be changed without prior notice

// C12422591-L

90° JIC Female 37° Seat - Long Drop
DKJ 90L
Solid one piece



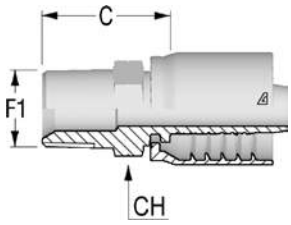
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1215829	C12422591-0606L	CR	06	10,0	3/8"	06	9/16-18	43,3	54,0	19,0
1215832	C12422591-0608L	CR	06	10,0	3/8"	08	3/4-16	46,8	64,0	25,0
1215835	C12422591-0808L	CR	08	13,0	1/2"	08	3/4-16	49,9	64,0	25,0
1215838	C12422591-0810L	CR	08	13,0	1/2"	10	7/8-14	37,3	65,0	27,0
1215841	C12422591-1010L	CR	10	16,0	5/8"	10	7/8-14	49,9	65,0	27,0
1215848	C12422591-1212L	CR	12	19,0	3/4"	12	1 1/16-12	54,1	95,0	32,0
1215855	C12422591-1616L	CR	16	25,0	1"	16	1 5/16-12	78,6	114,0	38,0

Dimensions shown may be changed without prior notice

// NPTF INSERTS

// C12412810

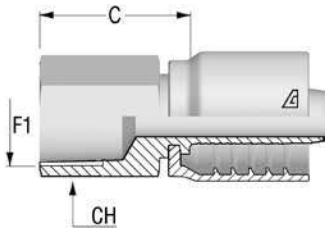
NPTF Male 60° Seat
AGN



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1215632	C12412810-06040	NA	06	10,0	3/8"	04	1/4-18	26,8	17,0
1215633	C12412810-06060	NA	06	10,0	3/8"	06	3/8-18	27,8	19,0
1215634	C12412810-06080	NA	06	10,0	3/8"	08	1/2-14	31,3	22,0
1215635	C12412810-08060	NA	08	13,0	1/2"	06	3/8-18	28,6	19,0
1215636	C12412810-08080	NA	08	13,0	1/2"	08	1/2-14	32,1	22,0
1215637	C12412810-08120	NA	08	13,0	1/2"	12	3/4-14	34,1	27,0
1215638	C12412810-10120	NA	10	16,0	5/8"	12	3/4-14	34,1	27,0
1215639	C12412810-12080	NA	12	19,0	3/4"	08	1/2-14	33,6	27,0
1215640	C12412810-12120	NA	12	19,0	3/4"	12	3/4-14	34,6	27,0
1215641	C12412810-12160	NA	12	19,0	3/4"	16	1-11 1/2	43,6	36,0
1215643	C12412810-16160	NA	16	25,0	1"	16	1-11 1/2	44,4	36,0
1215644	C12412810-16200	NA	16	25,0	1"	20	1 1/4-11 1/2	47,4	46,0
1215645	C12412810-20200	NA	20	32,0	1 1/4"	20	1 1/4-11 1/2	49,0	46,0
1215646	C12412810-20240	NA	20	32,0	1 1/4"	24	1 1/2-11 1/2	50,5	50,0
1215647	C12412810-24240	NA	24	38,0	1 1/2"	24	1 1/2-11 1/2	50,5	50,0
1215648	C12412810-32320	NA	32	51,0	2"	32	2-11 1/2	54,2	65,0

// C12422810

NPTF Female Solid

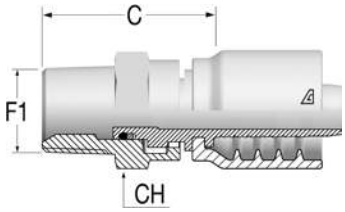


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1215862	C12422810-12120	NA	12	19,0	3/4"	12	3/4-14	38,1	32,0
1215863	C12422810-16160	NA	16	25,0	1"	16	1-11 1/2	44,9	38,0

Dimensions shown may be changed without prior notice

// C12412811

NPTF Male Swivel 60° Seat



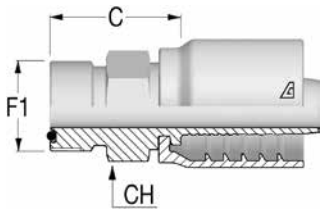
Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1215650	C12412811-08080	CR	08	13,0	1/2"	08	1/2-14	42,3	25,0
1215652	C12412811-16160	CR	16	25,0	1"	16	1-11 1/2	57,9	41,0

Dimensions shown may be changed without prior notice

// ORFS INSERTS

// C12412410

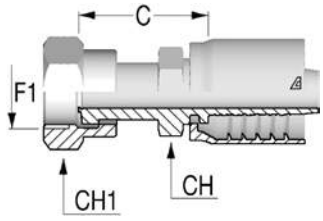
ORFS Male



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1215604	C12412410-06060	NA	06	10,0	3/8"	06	11/16-16	24,3	19,0
1215606	C12412410-08080	NA	08	13,0	1/2"	08	13/16-16	27,1	22,0
1215607	C12412410-08100	NA	08	13,0	1/2"	10	1-14	30,6	27,0
1215611	C12412410-12120	NA	12	19,0	3/4"	12	1 3/16-12	34,6	32,0
1215612	C12412410-12160	NA	12	19,0	3/4"	16	1 7/16-12	38,1	41,0
1215613	C12412410-16160	NA	16	25,0	1"	16	1 7/16-12	37,9	38,0
1215615	C12412410-20200	NA	20	32,0	1 1/4"	20	1 11/16-12	41,5	46,0

// C12422411

ORFS Female with Stem Hexagon

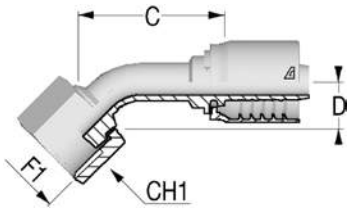


Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1249426	C12422414-06060	SN	06	10,0	3/8"	06	11/16-16	32,3	17,0	22,0
1249427	C12422414-06080	SN	06	10,0	3/8"	08	13/16-16	39,3	22,0	24,0
1249428	C12422414-08080	SN	08	13,0	1/2"	08	13/16-16	40,5	22,0	24,0
1249429	C12422414-08100	SN	08	13,0	1/2"	10	1-14	43,0	24,0	30,0
1249430	C12422414-08120	SN	08	13,0	1/2"	12	1 3/16-12	42,1	30,0	36,0
1249431	C12422414-10100	SN	10	16,0	5/8"	10	1-14	45,0	24,0	30,0
1249432	C12422414-10120	SN	10	16,0	5/8"	12	1 3/16-12	42,1	30,0	36,0
1215749	C12422411-12100	CR	12	19,0	3/4"	10	1-14	40,1	27,0	30,0
1249433	C12422414-12120	SN	12	19,0	3/4"	12	1 3/16-12	42,6	30,0	36,0
1249434	C12422414-12160	SN	12	19,0	3/4"	16	1 7/16-12	50,6	36,0	41,0
1215752	C12422411-16120	CR	16	25,0	1"	12	1 3/16-12	45,4	32,0	36,0
1249435	C12422414-16160	SN	16	25,0	1"	16	1 7/16-12	51,4	36,0	41,0
1215754	C12422411-16200	CR	16	25,0	1"	20	1 11/16-12	50,4	41,0	50,0
1215755	C12422411-20200	CR	20	32,0	1 1/4"	20	1 11/16-12	52,0	41,0	50,0
1215756	C12422411-24240	CR	24	38,0	1 1/2"	24	2-12	56,5	50,0	60,0

Dimensions shown may be changed without prior notice

// C12422443-M

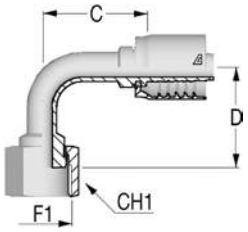
45° ORFS Female - Medium Drop
DK ORFS 45M
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1215757	C12422441-0808M	CR	08	13,0	1/2"	08	13/16-16	47,1	16,0	24,0
1215759	C12422443-0606M	SN	06	10,0	3/8"	06	11/16-16	47,4	12,0	22,0
1215760	C12422443-0608M	SN	06	10,0	3/8"	08	13/16-16	51,2	15,0	24,0
1215761	C12422443-0810M	SN	08	13,0	1/2"	10	1-14	50,4	16,5	30,0
1215762	C12422443-1010M	SN	10	16,0	5/8"	10	1-14	57,7	17,0	30,0
1230391	C12422443-1012M	SN	10	16,0	5/8"	12	1 3/16-12	63,1	21,0	36,0
1215763	C12422443-1212M	SN	12	19,0	3/4"	12	1 3/16-12	63,5	21,0	36,0
1215764	C12422443-1216M	SN	12	19,0	3/4"	16	1 7/16-12	70,7	24,0	41,0
1215765	C12422443-1616M	SN	16	25,0	1"	16	1 7/16-12	82,4	26,0	41,0
1215766	C12422443-1620M	SN	16	25,0	1"	20	1 11/16-12	85,4	26,0	50,0
1215767	C12422443-2020M	SN	20	32,0	1 1/4"	20	1 11/16-12	97,4	26,0	50,0
1215769	C12422443-2424M	SN	24	38,0	1 1/2"	24	2-12	104,4	28,0	60,0

// C12422493-S

90° ORFS Female - Short Drop
DK ORFS 90S
Solid one piece

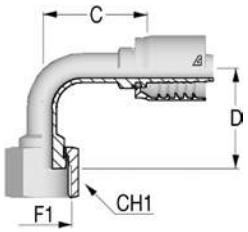


Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1215777	C12422493-0606S	SN	06	10,0	3/8"	06	11/16-16	41,8	25,0	22,0
1215772	C12422491-0808S	CR	08	13,0	1/2"	08	13/16-16	39,8	29,0	24,0
1215781	C12422493-0810S	SN	08	13,0	1/2"	10	1-14	46,3	32,5	30,0
1233044	C12422493-1010S	SN	10	16,0	5/8"	10	1-14	52,3	32,5	30,0
1215786	C12422493-1212S	SN	12	19,0	3/4"	12	1 3/16-12	60,6	51,0	36,0
1215792	C12422493-1616S	SN	16	25,0	1"	16	1 7/16-12	80,0	58,0	41,0
1215795	C12422493-2020S	SN	20	32,0	1 1/4"	20	1 11/16-12	95,0	68,0	50,0

Dimensions shown may be changed without prior notice

// C12422493-M

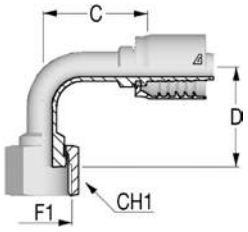
90° ORFS Female - Medium Drop
DK ORFS 90M
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1215776	C12422493-0606M	SN	06	10,0	3/8"	06	11/16-16	41,8	38,0	22,0
1215778	C12422493-0608M	SN	06	10,0	3/8"	08	13/16-16	43,8	41,0	24,0
1215771	C12422491-0808M	CR	08	13,0	1/2"	08	13/16-16	34,8	42,0	24,0
1215780	C12422493-0810M	SN	08	13,0	1/2"	10	1-14	48,3	47,0	30,0
1215782	C12422493-1010M	SN	10	16,0	5/8"	10	1-14	55,4	44,0	30,0
1230392	C12422493-1012M	SN	10	16,0	5/8"	12	1 3/16-12	55,4	58,0	36,0
1215785	C12422493-1212M	SN	12	19,0	3/4"	12	1 3/16-12	61,6	58,0	36,0
1215788	C12422493-1216M	SN	12	19,0	3/4"	16	1 7/16-12	65,6	71,0	41,0
1215791	C12422493-1616M	SN	16	25,0	1"	16	1 7/16-12	82,6	66,0	41,0
1215794	C12422493-2020M	SN	20	32,0	1 1/4"	20	1 11/16-12	97,0	78,0	50,0
1215800	C12422493-2424M	SN	24	38,0	1 1/2"	24	2-12	107,8	87,0	60,0

// C12422493-L

90° ORFS Female - Long Drop
DK ORFS 90L
Solid one piece



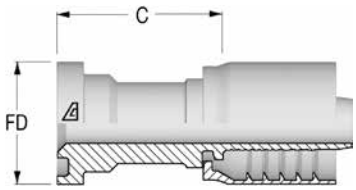
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1215775	C12422493-0606L	SN	06	10,0	3/8"	06	11/16-16	41,8	54,0	22,0
1215770	C12422491-0808L	CR	08	13,0	1/2"	08	13/16-16	38,3	64,0	24,0
1215779	C12422493-0810L	SN	08	13,0	1/2"	10	1-14	46,3	70,0	30,0
1233045	C12422493-1010L	SN	10	16,0	5/8"	10	1-14	55,4	70,0	30,0
1215784	C12422493-1212L	SN	12	19,0	3/4"	12	1 3/16-12	61,6	96,0	36,0
1215790	C12422493-1616L	SN	16	25,0	1"	16	1 7/16-12	82,6	114,0	41,0

Dimensions shown may be changed without prior notice

// SAE FLANGES

// C12443310

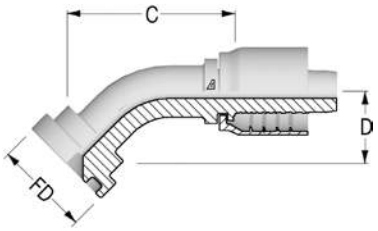
Flange SAE 3000 PSI J518 Code 61 - SFL



Item Code	Part Number	ID			Flange	Flange Size	C	FD	WP
		Dash	mm	in	Dash Size		mm	mm	psi
1215898	C12443310-08080	08	13,0	1/2"	08	1/2	41,0	30,2	5000
1215899	C12443310-08120	08	13,0	1/2"	12	3/4	42,0	38,1	5000
1215901	C12443310-12120	12	19,0	3/4"	12	3/4	42,5	38,1	5000
1215902	C12443310-12160	12	19,0	3/4"	16	1	50,5	44,5	5000
1215903	C12443310-16160	16	25,0	1"	16	1	51,4	44,5	5000
1215904	C12443310-16200	16	25,0	1"	20	1 1/4	53,9	50,8	4000
1215906	C12443310-20200	20	32,0	1 1/4"	20	1 1/4	55,5	50,8	4000
1215907	C12443310-20240	20	32,0	1 1/4"	24	1 1/2	58,5	60,3	3000
1215908	C12443310-24240	24	38,0	1 1/2"	24	1 1/2	58,5	60,3	3000
1215910	C12443310-32320	32	51,0	2"	32	2	70,0	71,4	3000
1215911	C12443310-32400	32	51,0	2"	40	2 1/2	83,0	81,1	2500

// C12443340

45° Flange SAE 3000 PSI J518 Code 61 - SFL 45
Solid one piece

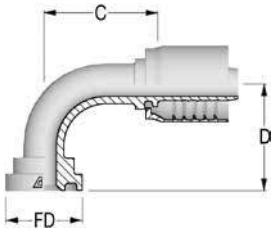


Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1215931	C12443340-08080	08	13,0	1/2"	08	1/2	30,2	52,9	22,0	5000
1215932	C12443340-08120	08	13,0	1/2"	12	3/4	38,1	60,3	26,0	5000
1215933	C12443340-12120	12	19,0	3/4"	12	3/4	38,1	73,7	32,0	5000
1215934	C12443340-12160	12	19,0	3/4"	16	1	44,5	77,9	29,0	5000
1215935	C12443340-16160	16	25,0	1"	16	1	44,5	82,7	33,5	5000
1215936	C12443340-16200	16	25,0	1"	20	1 1/4	50,8	82,2	36,0	4000
1215937	C12443340-20200	20	32,0	1 1/4"	20	1 1/4	50,8	95,1	37,5	4000
1215938	C12443340-20240	20	32,0	1 1/4"	24	1 1/2	60,3	104,1	40,0	3000
1215939	C12443340-24240	24	38,0	1 1/2"	24	1 1/2	60,3	116,7	48,0	3000
1215940	C12443340-24320	24	38,0	1 1/2"	32	2	71,4	135,6	55,5	3000
1215941	C12443340-32320	32	51,0	2"	32	2	71,4	140,8	47,5	3000

Dimensions shown may be changed without prior notice

// C12443390

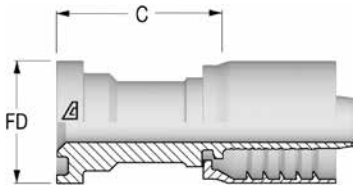
90° Flange SAE 3000 PSI J518 Code 61 - SFL 90
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1215959	C12443390-08080	08	13,0	1/2"	08	1/2	30,2	45,8	42,0	5000
1215960	C12443390-08120	08	13,0	1/2"	12	3/4	38,1	45,3	51,0	5000
1215961	C12443390-12120	12	19,0	3/4"	12	3/4	38,1	59,7	58,0	5000
1215962	C12443390-12160	12	19,0	3/4"	16	1	44,5	66,2	64,5	5000
1215966	C12443390-16160	16	25,0	1"	16	1	44,5	70,6	67,0	5000
1215968	C12443390-16200	16	25,0	1"	20	1 1/4	50,8	73,6	71,0	4000
1215969	C12443390-16240	16	25,0	1"	24	1 1/2	60,3	93,1	75,0	3000
1215970	C12443390-20160	20	32,0	1 1/4"	16	1	44,5	94,4	65,0	5000
1215971	C12443390-20200	20	32,0	1 1/4"	20	1 1/4	50,8	88,0	84,0	4000
1215972	C12443390-20240	20	32,0	1 1/4"	24	1 1/2	60,3	91,5	87,5	3000
1215973	C12443390-24240	24	38,0	1 1/2"	24	1 1/2	60,3	104,8	91,0	3000
1215974	C12443390-24320	24	38,0	1 1/2"	32	2	71,4	104,8	115,0	3000
1215975	C12443390-32320	32	51,0	2"	32	2	71,4	129,3	130,0	3000

// C12443610

Flange SAE 6000 PSI J518 Code 62 - SFS

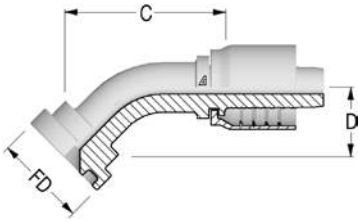


Item Code	Part Number	ID			Flange	Flange Size	C	FD	WP
		Dash	mm	in	Dash Size		mm	mm	psi
1215977	C12443610-08080	08	13,0	1/2"	08	1/2	47,0	31,8	6000
1215978	C12443610-08120	08	13,0	1/2"	12	3/4	52,0	41,3	6000
1215979	C12443610-12120	12	19,0	3/4"	12	3/4	52,5	41,3	6000
1215980	C12443610-12160	12	19,0	3/4"	16	1	55,5	47,6	6000
1215981	C12443610-16120	16	25,0	1"	12	3/4	56,4	41,3	6000
1215982	C12443610-16160	16	25,0	1"	16	1	56,4	47,6	6000
1215983	C12443610-16200	16	25,0	1"	20	1 1/4	63,4	54,0	6000
1215984	C12443610-20200	20	32,0	1 1/4"	20	1 1/4	83,0	54,0	6000
1215985	C12443610-20240	20	32,0	1 1/4"	24	1 1/2	71,0	63,5	6000
1215986	C12443610-24240	24	38,0	1 1/2"	24	1 1/2	101,0	63,5	6000
1215988	C12443610-32320	32	51,0	2"	32	2	76,0	79,4	6000

Dimensions shown may be changed without prior notice

// C12443640

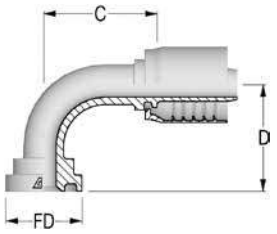
45° Flange SAE 6000 PSI J518 Code 62 - SFS 45
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1215999	C12443640-08080	08	13,0	1/2"	08	1/2	31,8	56,5	23,0	6000
1216000	C12443640-08120	08	13,0	1/2"	12	3/4	41,3	79,9	30,5	6000
1216001	C12443640-12120	12	19,0	3/4"	12	3/4	41,3	84,1	31,0	6000
1216002	C12443640-12160	12	19,0	3/4"	16	1	47,6	80,0	33,5	6000
1216003	C12443640-16160	16	25,0	1"	16	1	47,6	96,7	36,0	6000
1216004	C12443640-16200	16	25,0	1"	20	1 1/4	54,0	96,1	39,0	6000
1216005	C12443640-20200	20	32,0	1 1/4"	20	1 1/4	54,0	108,6	40,0	6000
1216006	C12443640-20240	20	32,0	1 1/4"	24	1 1/2	63,5	114,8	45,5	6000
1216007	C12443640-24240	24	38,0	1 1/2"	24	1 1/2	63,5	122,9	45,0	6000
1216009	C12443640-32320	32	51,0	2"	32	2	79,4	156,6	60,0	6000

// C12443690

90° Flange SAE 6000 PSI J518 Code 62 - SFS 90
Solid one piece



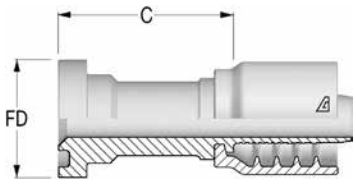
Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1216015	C12443690-08080	08	13,0	1/2"	08	1/2	31,8	47,8	46,0	6000
1216016	C12443690-08120	08	13,0	1/2"	12	3/4	41,3	47,8	54,0	6000
1216017	C12443690-10120	10	16,0	5/8"	12	3/4	41,3	49,9	55,0	6000
1216018	C12443690-12120	12	19,0	3/4"	12	3/4	41,3	63,2	61,0	6000
1216019	C12443690-12160	12	19,0	3/4"	16	1	47,6	63,2	66,0	6000
1216021	C12443690-16160	16	25,0	1"	16	1	47,6	73,6	75,0	6000
1216022	C12443690-16200	16	25,0	1"	20	1 1/4	54,0	77,6	78,0	6000
1216023	C12443690-20200	20	32,0	1 1/4"	20	1 1/4	54,0	94,5	89,0	6000
1216024	C12443690-20240	20	32,0	1 1/4"	24	1 1/2	63,5	98,0	94,0	6000
1216025	C12443690-24240	24	38,0	1 1/2"	24	1 1/2	63,5	99,6	105,0	6000
1216027	C12443690-32320	32	51,0	2"	32	2	79,4	143,3	132,0	6000

Dimensions shown may be changed without prior notice

// C122 SAE FLANGES

// C12243310

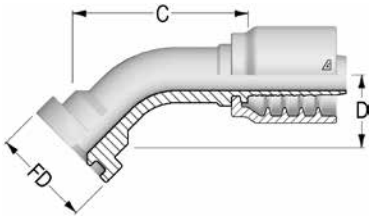
Flange SAE 3000 PSI J518 Code 61 - SFL



Item Code	Part Number	ID			Flange	Flange Size	C	FD	WP
		Dash	mm	in	Dash Size		mm	mm	psi
1203199	C12243310-48480	48	76,0	3"	48	3	55,0	101,6	2000
1214123	C12243310-64640	64	102,0	4"	64	4	130,0	127,0	525

// C12243340

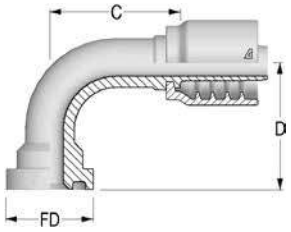
45° Flange SAE 3000 PSI J518 Code 61 - SFL 45
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1214132	C12243340-48480	48	76,0	3"	48	3	101,6	140,0	54,0	2000
1214133	C12243340-64640	64	102,0	4"	64	4	127,0	264,5	161,0	525

// C12243390

90° Flange SAE 3000 PSI J518 Code 61 - SFL 90
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1203198	C12243390-48480	48	76,0	3"	48	3	101,6	149,3	140,0	2000
1214145	C12243390-64640	64	102,0	4"	64	4	127,0	187,4	190,0	525

// ALFACRIMP // C126

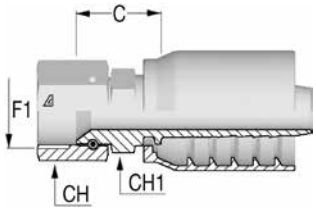
// JIC 37° INSERTS 182
// NPTF INSERTS 183
// API INSERTS 184
// ORFS INSERTS 185
// SAE FLANGES 186
// SUPERCAT FLANGES 188
// HAMMER UNION 190

Dimensions shown may be changed without prior notice

// JIC 37° INSERTS

// C12626512

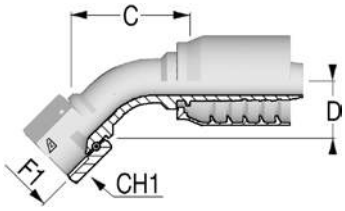
JIC Female 37° Seat with Stem Hexagon
DKJ



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1216077	C12626512-12120	TN	12	19,0	3/4"	12	1 1/16-12	30,2	27,0	32,0
1216080	C12626512-16160	TN	16	25,0	1"	16	1 5/16-12	38,0	36,0	38,0
1216082	C12626512-20200	TN	20	32,0	1 1/4"	20	1 5/8-12	43,1	41,0	50,0
1216084	C12626512-24240	TN	24	38,0	1 1/2"	24	1 7/8-12	49,4	50,0	55,0

// C12622542

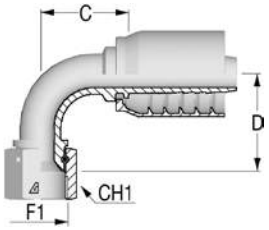
45° JIC Female 37° Seat
DKJ 45
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1216067	C12622542-12120	TN	12	19,0	3/4"	12	1 1/16-12	66,0	27,5	32,0
1216068	C12622542-16160	TN	16	25,0	1"	16	1 5/16-12	79,5	31,0	38,0
1216069	C12622542-20200	TN	20	32,0	1 1/4"	20	1 5/8-12	93,7	37,0	50,0
1216070	C12622542-24240	TN	24	38,0	1 1/2"	24	1 7/8-12	107,0	43,5	55,0

// C12622592

90° JIC Female 37° Seat
DKJ 90
Solid one piece



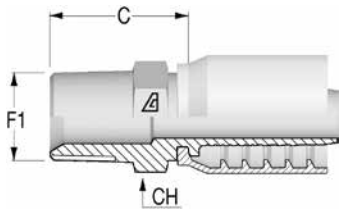
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1216071	C12622592-12120	TN	12	19,0	3/4"	12	1 1/16-12	45,0	57,0	32,0
1216074	C12622592-16160	TN	16	25,0	1"	16	1 5/16-12	71,0	67,0	38,0
1216076	C12622592-20200	TN	20	32,0	1 1/4"	20	1 5/8-12	79,2	78,0	50,0
1214175	C12622592-24240	TN	24	38,0	1 1/2"	24	1 7/8-12	94,5	92,0	55,0

Dimensions shown may be changed without prior notice

// NPTF INSERTS

// C12612810

NPTF Male 60° Seat
AGN



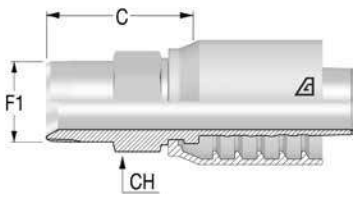
Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1216038	C12612810-12120	NA	12	19,0	3/4"	12	3/4-14	35,5	27,0
1216039	C12612810-16160	NA	16	25,0	1"	16	1-11 1/2	46,5	36,0
1216040	C12612810-20200	NA	20	32,0	1 1/4"	20	1 1/4-11 1/2	52,0	46,0
1216041	C12612810-24240	NA	24	38,0	1 1/2"	24	1 1/2-11 1/2	55,5	50,0

Dimensions shown may be changed without prior notice

// API INSERTS

// C1261281Z

API Male



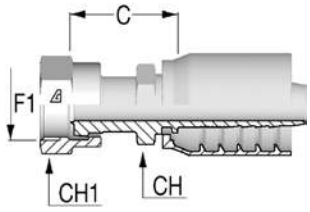
Item Code	Part Number	Nut Type	ID			F1	F1	C	CH
			Dash	mm	in	Dash Size		mm	mm
1216043	C1261281Z-32320	-	32	51,0	2"	32	2-11 1/2	114,5	65,0

Dimensions shown may be changed without prior notice

// ORFS INSERTS

// C12622411

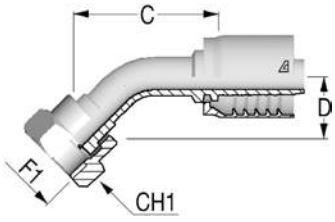
ORFS Female with Stem Hexagon



Item Code	Part Number	Nut Type	ID			F1	F1	C	CH	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1214173	C12622411-12120	CR	12	19,0	3/4"	12	1 3/16-12	40,0	30,0	36,0
1214174	C12622411-12160	CR	12	19,0	3/4"	16	1 7/16-12	43,0	36,0	41,0
1216051	C12622411-16160	CR	16	25,0	1"	16	1 7/16-12	47,0	36,0	41,0
1216052	C12622411-16200	CR	16	25,0	1"	20	1 11/16-12	49,0	46,0	50,0
1216053	C12622411-20200	CR	20	32,0	1 1/4"	20	1 11/16-12	47,2	46,0	50,0

// C12622441

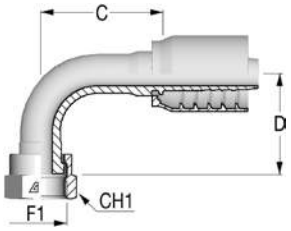
45° ORFS Female
DK ORFS 45
Solid one piece



Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1216055	C12622441-12120	CR	12	19,0	3/4"	12	1 3/16-12	77,7	26,0	36,0
1216056	C12622441-12160	CR	12	19,0	3/4"	16	1 7/16-12	68,4	28,0	41,0
1216057	C12622441-16160	CR	16	25,0	1"	16	1 7/16-12	114,0	28,0	41,0

// C12622491

90° ORFS Female
DK ORFS 90
Solid one piece



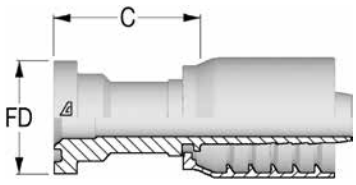
Item Code	Part Number	Nut Type	ID			F1	F1	C	D Drop	CH1
			Dash	mm	in	Dash Size		mm	mm	mm
1216059	C12622491-12120	CR	12	19,0	3/4"	12	1 3/16-12	64,2	58,0	36,0
1216060	C12622491-12160	CR	12	19,0	3/4"	16	1 7/16-12	66,2	58,0	41,0
1216061	C12622491-16160	CR	16	25,0	1"	16	1 7/16-12	75,2	66,0	41,0
1216062	C12622491-20200	CR	20	32,0	1 1/4"	20	1 11/16-12	91,7	81,0	50,0

Dimensions shown may be changed without prior notice

// SAE FLANGES

// C12643310

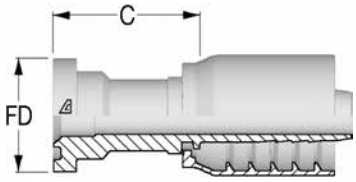
Flange SAE 3000 PSI J518 Code 61 - SFL



Item Code	Part Number	ID			Flange	Flange Size	C	FD	WP
		Dash	mm	in	Dash Size		mm	mm	psi
1216086	C12643310-12120	12	19,0	3/4"	12	3/4	43,5	38,1	5000
1216087	C12643310-12160	12	19,0	3/4"	16	1	51,5	44,5	5000
1216088	C12643310-16160	16	25,0	1"	16	1	53,5	44,5	5000
1216089	C12643310-16200	16	25,0	1"	20	1 1/4	56,0	50,8	4000
1216091	C12643310-20200	20	32,0	1 1/4"	20	1 1/4	58,5	50,8	4000
1216093	C12643310-24240	24	38,0	1 1/2"	24	1 1/2	63,5	60,3	3000
1216094	C12643310-24320	24	38,0	1 1/2"	32	2	75,0	71,4	3000
1237793	C12R43310-32320	32	51,0	2"	32	2	85,0	71,4	3000

// C12643610

Flange SAE 6000 PSI J518 Code 62 - SFS

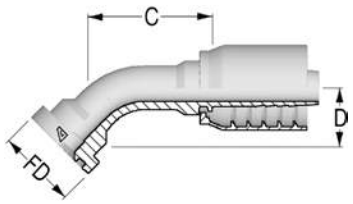


Item Code	Part Number	ID			Flange	Flange Size	C	FD	WP
		Dash	mm	in	Dash Size		mm	mm	psi
1216120	C12643610-12120	12	19,0	3/4"	12	3/4	50,0	41,3	6000
1216121	C12643610-12160	12	19,0	3/4"	16	1	53,0	47,6	6000
1216123	C12643610-16160	16	25,0	1"	16	1	54,0	47,6	6000
1216124	C12643610-16200	16	25,0	1"	20	1 1/4	61,0	54,0	6000
1216125	C12643610-20200	20	32,0	1 1/4"	20	1 1/4	62,2	54,0	6000
1216126	C12643610-20240	20	32,0	1 1/4"	24	1 1/2	68,2	63,5	6000
1216127	C12643610-24240	24	38,0	1 1/2"	24	1 1/2	68,5	63,5	6000
1216128	C12643610-24320	24	38,0	1 1/2"	32	2	80,5	79,4	6000

Dimensions shown may be changed without prior notice

// C12643640

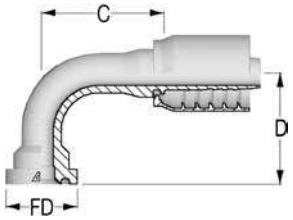
45° Flange SAE 6000 PSI J518 Code 62 - SFS 45
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1216140	C12643640-12120	12	19,0	3/4"	12	3/4	41,3	72,1	30,0	6000
1216141	C12643640-12160	12	19,0	3/4"	16	1	47,6	76,8	33,0	6000
1216142	C12643640-16160	16	25,0	1"	16	1	47,6	94,8	38,5	6000
1216143	C12643640-16200	16	25,0	1"	20	1 1/4	54,0	105,3	44,0	6000
1216144	C12643640-20200	20	32,0	1 1/4"	20	1 1/4	54,0	102,0	41,0	6000
1216145	C12643640-20240	20	32,0	1 1/4"	24	1 1/2	63,5	111,7	48,0	6000
1216146	C12643640-24240	24	38,0	1 1/2"	24	1 1/2	63,5	136,3	48,0	6000
1216147	C12643640-24320	24	38,0	1 1/2"	32	2	79,4	129,1	55,0	6000

// C12643690

90° Flange SAE 6000 PSI J518 Code 62 - SFS 90
Solid one piece



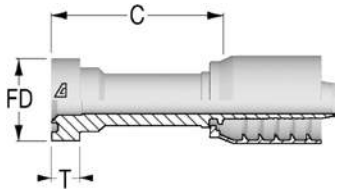
Item Code	Part Number	ID			Flange	Flange Size	FD	C	D Drop	WP
		Dash	mm	in	Dash Size		mm	mm	mm	psi
1216154	C12643690-12120	12	19,0	3/4"	12	3/4	41,3	61,2	64,0	6000
1216155	C12643690-12160	12	19,0	3/4"	16	1	47,6	61,2	66,0	6000
1216157	C12643690-16160	16	25,0	1"	16	1	47,6	70,4	74,0	6000
1216158	C12643690-16200	16	25,0	1"	20	1 1/4	54,0	77,2	85,0	6000
1216159	C12643690-20200	20	32,0	1 1/4"	20	1 1/4	54,0	88,2	91,0	6000
1216160	C12643690-20240	20	32,0	1 1/4"	24	1 1/2	63,5	92,9	103,5	6000
1216161	C12643690-24200	24	38,0	1 1/2"	20	1 1/4	54,0	105,0	85,0	6000
1216162	C12643690-24240	24	38,0	1 1/2"	24	1 1/2	63,5	106,3	109,0	6000
1216163	C12643690-24320	24	38,0	1 1/2"	32	2	79,4	106,5	121,5	6000

Dimensions shown may be changed without prior notice

// SUPERCAT FLANGES

// C12643910

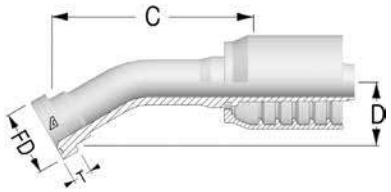
Flange SUPERCAT



Item Code	Part Number	ID			Flange	Flange Size	FD	T	C
		Dash	mm	in	Dash Size		mm	mm	mm
1216165	C12643910-12120	12	19,0	3/4"	12	3/4	41,3	14,3	82,0
1216166	C12643910-12160	12	19,0	3/4"	16	1	47,6	14,3	82,0
1216167	C12643910-16160	16	25,0	1"	16	1	47,6	14,3	90,0
1216168	C12643910-16200	16	25,0	1"	20	1 1/4	54,0	14,3	90,0
1216169	C12643910-20200	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	86,2
1216170	C12643910-24240	24	38,0	1 1/2"	24	1 1/2	63,5	14,3	89,0
1216171	C12643910-32320	32	51,0	2"	32	2	-	-	105,0

// C12643930

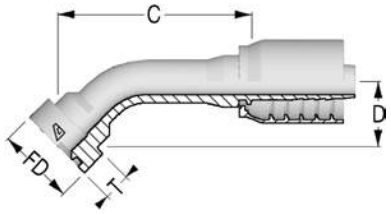
30° Flange SUPERCAT
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	T	C	D Drop
		Dash	mm	in	Dash Size		mm	mm	mm	mm
1216173	C12643930-12120	12	19,0	3/4"	12	3/4	41,3	14,3	115,0	24,0
1216174	C12643930-12160	12	19,0	3/4"	16	1	47,6	14,3	118,0	26,5
1233049	C12643930-16160	16	25,0	1"	16	1	47,6	14,3	139,0	27,0
1233050	C12643930-16200	16	25,0	1"	20	1 1/4	54,0	14,3	137,0	25,5

// C12643940

45° Flange SUPERCAT
Solid one piece

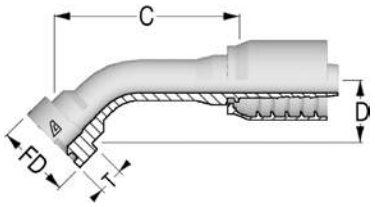


Item Code	Part Number	ID			Flange	Flange Size	FD	T	C	D Drop
		Dash	mm	in	Dash Size		mm	mm	mm	mm
1216177	C12643940-12120	12	19,0	3/4"	12	3/4	41,3	14,3	103,0	33,7
1216178	C12643940-12160	12	19,0	3/4"	16	1	47,6	14,3	87,4	35,8
1216179	C12643940-16160	16	25,0	1"	16	1	47,6	14,3	93,9	42,5
1216180	C12643940-16200	16	25,0	1"	20	1 1/4	54,0	14,3	95,4	40,0
1216181	C12643940-20200	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	103,6	45,1
1245063	C12643940-32320	32	51,0	2"	32	2	79,4	-	179,0	63,0

Dimensions shown may be changed without prior notice

// C12643960

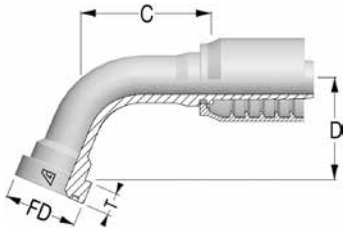
60° Flange SUPERCAT
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	T	C	D Drop
		Dash	mm	in	Dash Size		mm	mm	mm	mm
1216182	C12643960-12120	12	19,0	3/4"	12	3/4	41,3	14,3	92,6	46,0
1216183	C12643960-12160	12	19,0	3/4"	16	1	47,6	14,3	95,6	48,5
1216184	C12643960-16160	16	25,0	1"	16	1	47,6	14,3	118,0	59,0
1216185	C12643960-16200	16	25,0	1"	20	1 1/4	54,0	14,3	118,0	57,0

// C126439Z0

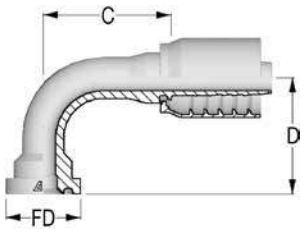
67,5° Flange SUPERCAT
Solid one piece



Item Code	Part Number	ID			Flange	Flange Size	FD	T	C	D Drop
		Dash	mm	in	Dash Size		mm	mm	mm	mm
1216193	C126439Z0-12120	12	19,0	3/4"	12	3/4	41,3	14,3	86,1	51,8
1216194	C126439Z0-12160	12	19,0	3/4"	16	1	47,6	14,3	88,8	54,6
1233051	C126439Z0-16160	16	25,0	1"	16	1	47,6	14,3	111,0	67,0
1233052	C126439Z0-16200	16	25,0	1"	20	1 1/4	54,0	14,3	109,0	64,0
1233053	C126439Z0-20200	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	119,3	70,6

// C12643990

90° Flange SUPERCAT
Solid one piece



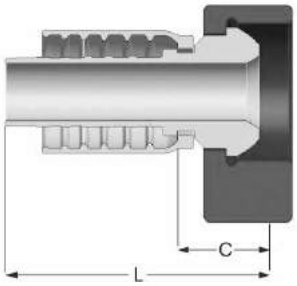
Item Code	Part Number	ID			Flange	Flange Size	FD	T	C	D Drop
		Dash	mm	in	Dash Size		mm	mm	mm	mm
1216188	C12643990-12120	12	19,0	3/4"	12	3/4	41,3	14,3	63,7	67,0
1216189	C12643990-12160	12	19,0	3/4"	16	1	47,6	14,3	65,2	70,0
1216190	C12643990-16160	16	25,0	1"	16	1	47,6	14,3	80,4	79,0
1216192	C12643990-16200	16	25,0	1"	20	1 1/4	54,0	14,3	75,4	82,5
1233054	C12643990-20200	20	32,0	1 1/4"	20	1 1/4	54,0	14,3	89,2	93,0
1245064	C12643990-32320	32	51,0	2"	32	2	79,4	-	152,0	138,5

Dimensions shown may be changed without prior notice

// HAMMER UNION

// C12613F13

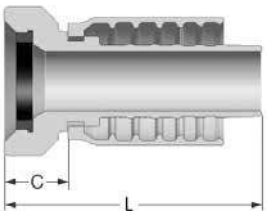
Male Hammer Union Fig. 1502 Integral Fitting with Lug Nut



Item Code	Part Number	ID			C	L
		Dash	mm	in	mm	mm
1245065	C12613F13-32320	32	51,0	2"	71,0	185,50

// C12623F10

Female Hammer Union Fig. 1502 Integral Fitting with Rubber Ring



Item Code	Part Number	ID			C	L
		Dash	mm	in	mm	mm
1245061	C12623F10-32320	32	51,0	2"	67,5	182,00

// JIC 37° ADAPTERS

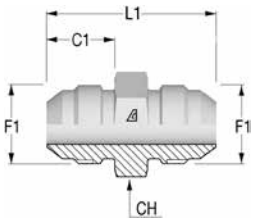
// MALE UNION 192
// MALE / FEMALE UNION 194
// BULKHEAD 197
// BSPP 200
// METRIC 210
// SAE UNF 216
// NPTF 224
// FLANGES 227
// ACCESSORIES 230
// PLUG 231

Dimensions shown may be changed without prior notice

// MALE UNION

// R1A25M125M

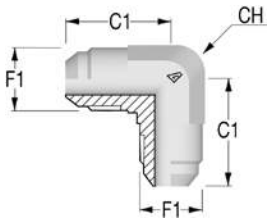
Straight union JIC - JIC Male



Item Code	Part Number	OD1	F1	C1	CH	L
		in		mm	mm	mm
1203685	R1A25M125M-0404	1/4"	7/16-20	14,0	12,0	35,0
1203628	R1A25M125M-0505	5/16"	1/2-20	14,0	14,0	35,0
1203713	R1A25M125M-0606	3/8"	9/16-18	14,0	17,0	36,0
1203670	R1A25M125M-0808	1/2"	3/4-16	16,5	22,0	41,0
1203698	R1A25M125M-1010	5/8"	7/8-14	19,5	24,0	48,0
1203616	R1A25M125M-1212	3/4"	1 1/16-12	22,0	30,0	55,0
1216393	R1A25M125M-1414	7/8"	1 3/16-12	22,5	32,0	56,5
1203639	R1A25M125M-1616	1"	1 5/16-12	23,0	36,0	57,0
1203646	R1A25M125M-2020	1"1/4	1 5/8-12	24,5	46,0	61,5
1203653	R1A25M125M-2424	1"1/2	1 7/8-12	27,5	50,0	70,0

// R1A25M925M

90° union JIC - JIC Male

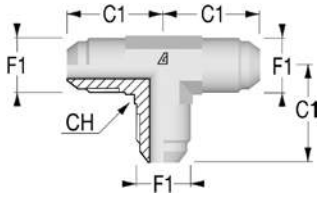


Item Code	Part Number	OD1	F1	C1	CH
		in		mm	mm
1203876	R1A25M925M-0404	1/4"	7/16-20	22,5	12,0
1203842	R1A25M925M-0505	5/16"	1/2-20	24,0	14,0
1203897	R1A25M925M-0606	3/8"	9/16-18	27,0	14,0
1203866	R1A25M925M-0808	1/2"	3/4-16	32,0	19,0
1203884	R1A25M925M-1010	5/8"	7/8-14	37,0	22,0
1203836	R1A25M925M-1212	3/4"	1 1/16-12	42,0	27,0
1216421	R1A25M925M-1414	7/8"	1 3/16-12	44,0	33,0
1203849	R1A25M925M-1616	1"	1 5/16-12	46,0	33,0
1203855	R1A25M925M-2020	1"1/4	1 5/8-12	52,5	41,0
1206334	R1A25M925M-2424	1"1/2	1 7/8-12	59,0	48,0

Dimensions shown may be changed without prior notice

// R1A25MT25M

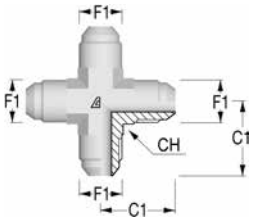
Tee union JIC - JIC Male



Item Code	Part Number	OD1	F1	C1	CH
		in		mm	mm
1203950	R1A25MT25M-0404	1/4"	7/16-20	22,5	12,0
1203945	R1A25MT25M-0505	5/16"	1/2-20	24,0	14,0
1203954	R1A25MT25M-0606	3/8"	9/16-18	27,0	14,0
1203948	R1A25MT25M-0808	1/2"	3/4-16	32,0	19,0
1203952	R1A25MT25M-1010	5/8"	7/8-14	37,0	22,0
1203944	R1A25MT25M-1212	3/4"	1 1/16-12	42,0	27,0
1216460	R1A25MT25M-1414	7/8"	1 3/16-12	44,0	33,0
1203947	R1A25MT25M-1616	1"	1 5/16-12	46,0	33,0
1205959	R1A25MT25M-2020	1"1/4	1 5/8-12	52,5	41,0
1206335	R1A25MT25M-2424	1"1/2	1 7/8-12	59,0	48,0

// R1A25MX25M

Cross union JIC - JIC Male



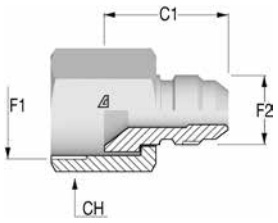
Item Code	Part Number	OD1	F1	C1	CH
		in		mm	mm
1206909	R1A25MX25M-0404	1/4"	7/16-20	22,5	12,0
1205451	R1A25MX25M-0505	5/16"	1/2-20	24,0	14,0
1205455	R1A25MX25M-0606	3/8"	9/16-18	27,0	14,0
1205453	R1A25MX25M-0808	1/2"	3/4-16	32,0	19,0
1205454	R1A25MX25M-1010	5/8"	7/8-14	37,0	22,0
1206835	R1A25MX25M-1212	3/4"	1 1/16-12	42,0	27,0
1216494	R1A25MX25M-1414	7/8"	1 3/16-12	44,0	33,0
1205452	R1A25MX25M-1616	1"	1 5/16-12	46,0	33,0
1212823	R1A25MX25M-2020	1"1/4	1 5/8-12	52,5	41,0
1212824	R1A25MX25M-2424	1"1/2	1 7/8-12	59,0	48,0

Dimensions shown may be changed without prior notice

// MALE / FEMALE UNION

// R1A253125M

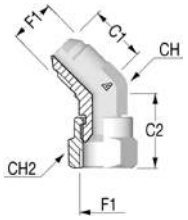
Straight reducing JIC Female - JIC Male



Item Code	Part Number	OD1	F1	F2	C1	CH
		in			mm	mm
1207357	R1A253125M-0604	3/8"	9/16-18	7/16-20	24,5	19,0
1207615	R1A253125M-0605	3/8"	9/16-18	1/2-20	25,0	19,0
1207358	R1A253125M-0804	1/2"	3/4-16	7/16-20	25,5	22,0
1207359	R1A253125M-0805	1/2"	3/4-16	1/2-20	25,5	22,0
1207360	R1A253125M-0806	1/2"	3/4-16	9/16-18	25,5	22,0
1207361	R1A253125M-1004	5/8"	7/8-14	7/16-20	26,5	27,0
1207362	R1A253125M-1006	5/8"	7/8-14	9/16-18	26,5	27,0
1207616	R1A253125M-1008	5/8"	7/8-14	3/4-16	32,5	27,0
1207363	R1A253125M-1204	3/4"	1 1/16-12	7/16-20	27,0	32,0
1207364	R1A253125M-1206	3/4"	1 1/16-12	9/16-18	27,0	32,0
1207365	R1A253125M-1208	3/4"	1 1/16-12	3/4-16	30,5	32,0
1207617	R1A253125M-1210	3/4"	1 1/16-12	7/8-14	34,5	32,0
1216344	R1A253125M-1412	7/8"	1 3/16-12	1 1/16-12	36,4	36,0
1216365	R1A253125M-1606	1"	1 5/16-12	9/16-18	28,5	41,0
1216366	R1A253125M-1608	1"	1 5/16-12	3/4-16	31,0	41,0
1208272	R1A253125M-1610	1"	1 5/16-12	7/8-14	34,0	41,0
1207367	R1A253125M-1612	1"	1 5/16-12	1 1/16-12	37,5	41,0
1213168	R1A253125M-1614	1"	1 5/16-12	1 3/16-12	39,5	38,0
1207366	R1A253125M-2012	1"1/4	1 5/8-12	1 1/16-12	39,1	50,0
1207368	R1A253125M-2016	1"1/4	1 5/8-12	1 5/16-12	40,0	50,0
1216367	R1A253125M-2416	1"1/2	1 7/8-12	1 5/16-12	46,3	60,0
1207369	R1A253125M-2420	1"1/2	1 7/8-12	1 5/8-12	47,8	60,0

// R1A25M4251

45° union JIC Male - JIC Female

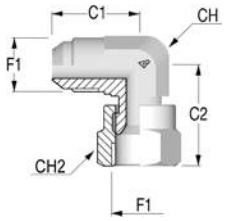


Item Code	Part Number	OD1	F1	C1	C2	CH	CH2
		in		mm	mm	mm	mm
1207343	R1A25M4251-0404	1/4"	7/16-20	18,5	23,7	12,0	16,0
1207342	R1A25M4251-0505	5/16"	1/2-20	20,0	25,5	14,0	17,0
1207341	R1A25M4251-0606	3/8"	9/16-18	21,5	28,5	14,0	19,0
1207344	R1A25M4251-0808	1/2"	3/4-16	24,5	32,7	19,0	25,0
1206944	R1A25M4251-1010	5/8"	7/8-14	28,0	36,7	22,0	27,0
1207345	R1A25M4251-1212	3/4"	1 1/16-12	32,5	38,3	27,0	32,0
1216410	R1A25M4251-1414	7/8"	1 3/16-12	35,4	43,0	33,0	36,0
1207346	R1A25M4251-1616	1"	1 5/16-12	36,5	44,6	33,0	38,0
1207347	R1A25M4252-2020	1"1/4	1 5/8-12	40,5	51,4	41,0	50,0
1210765	R1A25M4252-2424	1"1/2	1 7/8-12	45,0	57,1	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A25M9251

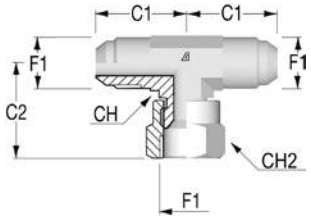
90° union JIC Male - JIC Female



Item Code	Part Number	OD1	F1	C1	C2	CH	CH2
		in		mm	mm	mm	mm
1207266	R1A25M9251-0404	1/4"	7/16-20	22,5	25,2	12,0	16,0
1207267	R1A25M9251-0505	5/16"	1/2-20	24,5	27,0	14,0	17,0
1207268	R1A25M9251-0606	3/8"	9/16-18	27,0	32,0	14,0	19,0
1207269	R1A25M9251-0808	1/2"	3/4-16	32,5	35,2	19,0	25,0
1207270	R1A25M9251-1010	5/8"	7/8-14	36,5	41,5	22,0	27,0
1207271	R1A25M9251-1212	3/4"	1 1/16-12	42,0	44,3	27,0	32,0
1216420	R1A25M9251-1414	7/8"	1 3/16-12	45,5	48,0	33,0	36,0
1207272	R1A25M9251-1616	1"	1 5/16-12	46,0	50,6	33,0	38,0
1207273	R1A25M9252-2020	1"1/4	1 5/8-12	52,5	58,9	41,0	50,0
1207274	R1A25M9252-2424	1"1/2	1 7/8-12	59,0	65,6	48,0	55,0

// R1A25MT251

Branch Tee union JIC Male - JIC Female

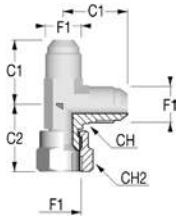


Item Code	Part Number	OD1	F1	C1	C2	CH	CH2
		in		mm	mm	mm	mm
1207304	R1A25MT251-0404	1/4"	7/16-20	22,5	22,5	12,0	16,0
1207305	R1A25MT251-0505	5/16"	1/2-20	24,0	24,0	14,0	17,0
1207306	R1A25MT251-0606	3/8"	9/16-18	27,0	27,0	14,0	19,0
1207307	R1A25MT251-0808	1/2"	3/4-16	32,0	32,0	19,0	25,0
1207308	R1A25MT251-1010	5/8"	7/8-14	36,5	36,5	22,0	27,0
1207309	R1A25MT251-1212	3/4"	1 1/16-12	42,0	42,0	27,0	32,0
1216459	R1A25MT251-1414	7/8"	1 3/16-12	45,5	45,5	33,0	36,0
1207310	R1A25MT251-1616	1"	1 5/16-12	46,0	46,0	33,0	38,0
1207311	R1A25MT252-2020	1"1/4	1 5/8-12	52,5	52,5	41,0	50,0
1207312	R1A25MT252-2424	1"1/2	1 7/8-12	59,0	59,0	48,0	50,0

Dimensions shown may be changed without prior notice

// R1A25ML251

Run Tee union JIC Male - JIC Female



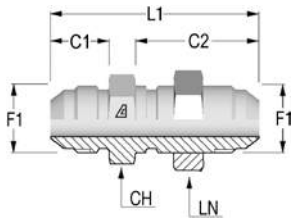
Item Code	Part Number	OD1	F1	C1	C2	CH	CH2
		in		mm	mm	mm	mm
1207283	R1A25ML251-0404	1/4"	7/16-20	22,5	25,2	12,0	16,0
1207284	R1A25ML251-0505	5/16"	1/2-20	24,0	27,0	14,0	17,0
1207285	R1A25ML251-0606	3/8"	9/16-18	27,0	32,0	14,0	19,0
1207286	R1A25ML251-0808	1/2"	3/4-16	32,0	35,2	19,0	25,0
1207287	R1A25ML251-1010	5/8"	7/8-14	36,5	41,5	22,0	27,0
1207288	R1A25ML251-1212	3/4"	1 1/16-12	42,0	44,3	27,0	32,0
1216434	R1A25ML251-1414	7/8"	1 3/16-12	45,5	46,5	33,0	36,0
1207289	R1A25ML251-1616	1"	1 5/16-12	46,0	50,5	33,0	38,0
1207290	R1A25ML252-2020	1"1/4	1 5/8-12	52,5	59,0	41,0	50,0
1207291	R1A25ML252-2424	1"1/2	1 7/8-12	59,0	65,6	48,0	55,0

Dimensions shown may be changed without prior notice

// BULKHEAD

// R1A25M125T

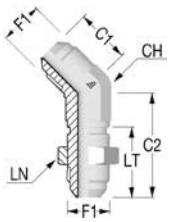
Straight union JIC - JIC Bulkhead



Item Code	Part Number	OD1	F1	C1	C2	CH	LN	L
		in		mm	mm	mm	mm	mm
1203686	R1A25M125T-0404	1/4"	7/16-20	14,0	30,5	17,0	17,0	52,5
1203629	R1A25M125T-0505	5/16"	1/2-20	14,0	30,5	19,0	19,0	52,5
1203714	R1A25M125T-0606	3/8"	9/16-18	14,0	32,5	22,0	22,0	55,5
1203671	R1A25M125T-0808	1/2"	3/4-16	16,5	36,5	24,0	24,0	62,0
1203699	R1A25M125T-1010	5/8"	7/8-14	19,5	40,0	30,0	30,0	69,5
1203617	R1A25M125T-1212	3/4"	1 1/16-12	22,0	44,5	36,0	36,0	78,5
1216394	R1A25M125T-1414	7/8"	1 3/16-12	22,5	44,5	38,0	41,0	79,2
1203640	R1A25M125T-1616	1"	1 5/16-12	23,0	44,5	41,0	41,0	80,0
1203647	R1A25M125T-2020	1"1/4	1 5/8-12	24,5	45,5	50,0	50,0	84,0
1211675	R1A25M125T-2424	1"1/2	1 7/8-12	27,5	46,0	55,0	55,0	89,5

// R1A25M425T

45° union JIC - JIC Bulkhead

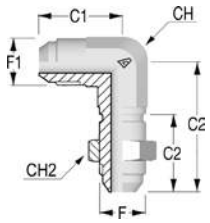


Item Code	Part Number	OD1	F1	C1	C2	CH	LN	LT
		in		mm	mm	mm	mm	mm
1210766	R1A25M425T-0404	1/4"	7/16-20	18,5	39,0	12,0	17,0	25,9
1211706	R1A25M425T-0505	5/16"	1/2-20	19,5	42,0	14,0	19,0	25,9
1208045	R1A25M425T-0606	3/8"	9/16-18	20,0	42,7	14,0	22,0	27,7
1210767	R1A25M425T-0808	1/2"	3/4-16	25,0	49,5	19,0	24,0	31,8
1210768	R1A25M425T-1010	5/8"	7/8-14	28,0	55,0	22,0	30,0	35,3
1210769	R1A25M425T-1212	3/4"	1 1/16-12	32,5	62,0	27,0	36,0	39,6
1216411	R1A25M425T-1414	7/8"	1 3/16-12	35,0	63,5	33,0	38,0	39,6
1210770	R1A25M425T-1616	1"	1 5/16-12	37,5	65,0	33,0	41,0	39,6
1211707	R1A25M425T-2020	1"1/4	1 5/8-12	40,0	67,5	41,0	50,0	40,9
1211708	R1A25M425T-2424	1"1/2	1 7/8-12	45,0	68,0	48,0	55,0	41,1

Dimensions shown may be changed without prior notice

// R1A25M925T

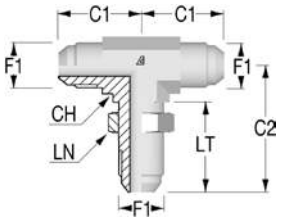
90° union JIC - JIC Bulkhead



Item Code	Part Number	OD1	F1	C1	C2	CH	LN	LT
		in		mm	mm	mm	mm	mm
1205564	R1A25M925T-0404	1/4"	7/16-20	24,5	40,5	12,0	17,0	25,9
1206405	R1A25M925T-0505	5/16"	1/2-20	27,0	43,5	14,0	19,0	25,9
1203898	R1A25M925T-0606	3/8"	9/16-18	27,5	46,0	14,0	22,0	27,7
1203867	R1A25M925T-0808	1/2"	3/4-16	34,5	53,5	19,0	24,0	31,8
1203885	R1A25M925T-1010	5/8"	7/8-14	39,5	60,5	22,0	30,0	35,3
1206783	R1A25M925T-1212	3/4"	1 1/16-12	45,0	68,0	27,0	36,0	39,6
1216422	R1A25M925T-1414	7/8"	1 3/16-12	47,0	69,0	33,0	38,0	39,6
1211735	R1A25M925T-1616	1"	1 5/16-12	49,5	71,0	33,0	41,0	39,6
1211736	R1A25M925T-2020	1"1/4	1 5/8-12	55,0	79,0	41,0	50,0	40,9
1208117	R1A25M925T-2424	1"1/2	1 7/8-12	59,5	87,0	48,0	55,0	41,1

// R1A25MT25T

Branch Tee union JIC - JIC Bulkhead

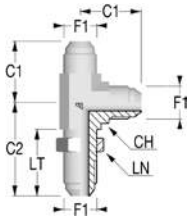


Item Code	Part Number	OD1	F1	C1	C2	CH	LN	LT
		in		mm	mm	mm	mm	mm
1208139	R1A25MT25T-0404	1/4"	7/16-20	24,5	40,5	12,0	17,0	25,9
1210747	R1A25MT25T-0505	5/16"	1/2-20	27,0	43,5	14,0	19,0	25,9
1210748	R1A25MT25T-0606	3/8"	9/16-18	27,5	46,0	14,0	22,0	27,7
1205586	R1A25MT25T-0808	1/2"	3/4-16	34,5	53,5	19,0	24,0	31,8
1211637	R1A25MT25T-1010	5/8"	7/8-14	39,5	60,5	22,0	30,0	35,3
1211638	R1A25MT25T-1212	3/4"	1 1/16-12	45,0	68,0	27,0	36,0	39,6
1216462	R1A25MT25T-1414	7/8"	1 3/16-12	49,0	69,0	33,0	38,0	39,6
1212775	R1A25MT25T-1616	1"	1 5/16-12	49,5	71,0	33,0	41,0	39,6
1208225	R1A25MT25T-2020	1"1/4	1 5/8-12	55,0	79,0	41,0	50,0	40,9
1212776	R1A25MT25T-2424	1"1/2	1 7/8-12	59,5	87,0	48,0	55,0	41,1

Dimensions shown may be changed without prior notice

// R1A25ML25T

Run Tee union JIC - JIC Bulkhead



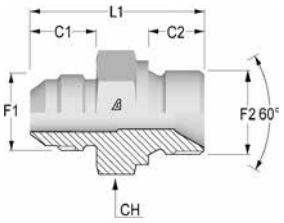
Item Code	Part Number	OD1	F1	C1	C2	CH	LN	LT
		in		mm	mm	mm	mm	mm
1211617	R1A25ML25T-0404	1/4"	7/16-20	24,5	40,5	12,0	17,0	25,9
1211618	R1A25ML25T-0505	5/16"	1/2-20	27,0	43,5	14,0	19,0	25,9
1206974	R1A25ML25T-0606	3/8"	9/16-18	27,5	46,0	14,0	22,0	27,7
1211619	R1A25ML25T-0808	1/2"	3/4-16	34,5	53,5	19,0	24,0	32,0
1210743	R1A25ML25T-1010	5/8"	7/8-14	39,5	60,5	22,0	30,0	35,3
1211620	R1A25ML25T-1212	3/4"	1 1/16-12	45,0	68,0	27,0	36,0	39,6
1216435	R1A25ML25T-1414	7/8"	1 3/16-12	47,0	69,0	33,0	38,0	39,6
1212713	R1A25ML25T-1616	1"	1 5/16-12	49,5	71,0	33,0	41,0	39,6
1212714	R1A25ML25T-2020	1"1/4	1 5/8-12	55,0	79,0	41,0	50,0	40,9
1212715	R1A25ML25T-2424	1"1/2	1 7/8-12	59,5	87,0	48,0	55,0	41,1

Dimensions shown may be changed without prior notice

// BSPP

// R1A25M105M

Straight connector JIC Male - BSPP cylindric Male 60°

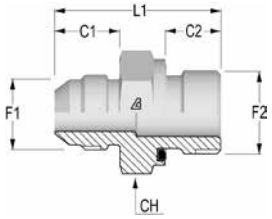


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1212826	R1A25M105M-0402	1/4"	7/16-20	1/8-28	14,0	9,5	14,0	29,0
1212827	R1A25M105M-0404	1/4"	7/16-20	1/4-19	14,0	13,0	19,0	34,0
1212828	R1A25M105M-0406	1/4"	7/16-20	3/8-19	14,0	15,5	22,0	35,5
1212829	R1A25M105M-0408	1/4"	7/16-20	1/2-14	14,0	17,0	27,0	40,0
1212830	R1A25M105M-0502	5/16"	1/2-20	1/8-28	14,0	9,5	14,0	29,0
1212831	R1A25M105M-0504	5/16"	1/2-20	1/4-19	14,0	13,0	19,0	32,0
1212832	R1A25M105M-0604	3/8"	9/16-18	1/4-19	14,0	13,0	19,0	34,0
1212833	R1A25M105M-0606	3/8"	9/16-18	3/8-19	14,0	15,5	22,0	35,5
1212834	R1A25M105M-0608	3/8"	9/16-18	1/2-14	14,0	17,0	27,0	41,0
1212835	R1A25M105M-0804	1/2"	3/4-16	1/4-19	16,5	13,0	19,0	36,0
1207735	R1A25M105M-0806	1/2"	3/4-16	3/8-19	16,5	15,5	22,0	38,0
1207736	R1A25M105M-0808	1/2"	3/4-16	1/2-14	16,5	17,0	27,0	41,0
1207737	R1A25M105M-0812	1/2"	3/4-16	3/4-14	16,5	20,0	32,0	45,5
1207738	R1A25M105M-1006	5/8"	7/8-14	3/8-19	19,5	15,5	24,0	41,5
1205996	R1A25M105M-1008	5/8"	7/8-14	1/2-14	19,5	17,0	27,0	45,5
1231525	R1A25M105M-1012	5/8"	7/8-14	3/4-14	19,5	20,0	32,0	48,5
1212837	R1A25M105M-1208	3/4"	1 1/16-12	1/2-14	22,0	17,0	32,0	50,0
1212838	R1A25M105M-1212	3/4"	1 1/16-12	3/4-14	22,0	20,0	32,0	50,0
1212839	R1A25M105M-1216	3/4"	1 1/16-12	1-11	22,0	18,0	41,0	53,0
1216372	R1A25M105M-1412	7/8"	1 3/16-12	3/4-14	22,5	20,0	32,0	51,5
1212840	R1A25M105M-1612	1"	1 5/16-12	3/4-14	23,0	20,0	36,0	55,0
1212841	R1A25M105M-1616	1"	1 5/16-12	1-11	23,0	22,0	41,0	54,0
1212842	R1A25M105M-1620	1"	1 5/16-12	1 1/4-11	23,0	23,0	50,0	56,0
1207739	R1A25M105M-2016	1"1/4	1 5/8-12	1-11	24,5	22,0	46,0	58,5
1212843	R1A25M105M-2020	1"1/4	1 5/8-12	1 1/4-11	24,5	23,0	50,0	59,5
1212844	R1A25M105M-2420	1"1/2	1 7/8-12	1 1/4-11	27,5	23,0	50,0	62,5
1212845	R1A25M105M-2424	1"1/2	1 7/8-12	1 1/2-11	27,5	25,0	55,0	64,5

Dimensions shown may be changed without prior notice

// R1A25M106I

Straight connector JIC Male - BSPP cylindric Male with elastomer

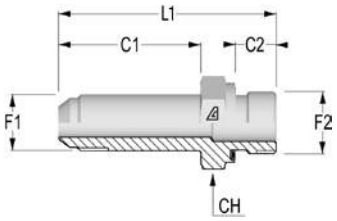


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1207410	R1A25M106I-0402	1/4"	7/16-20	1/8-28	14,0	8,0	14,0	30,0
1207411	R1A25M106I-0404	1/4"	7/16-20	1/4-19	14,0	12,0	19,0	36,0
1207412	R1A25M106I-0406	1/4"	7/16-20	3/8-19	14,0	12,0	22,0	35,5
1207413	R1A25M106I-0408	1/4"	7/16-20	1/2-14	14,0	14,0	27,0	39,0
1207993	R1A25M106I-0502	5/16"	1/2-20	1/8-28	14,0	8,0	14,0	30,5
1207414	R1A25M106I-0504	5/16"	1/2-20	1/4-19	14,0	12,0	19,0	35,0
1207415	R1A25M106I-0506	5/16"	1/2-20	3/8-19	14,0	12,0	22,0	35,5
1207416	R1A25M106I-0604	3/8"	9/16-18	1/4-19	14,0	12,0	19,0	35,0
1207417	R1A25M106I-0606	3/8"	9/16-18	3/8-19	14,0	12,0	22,0	36,0
1207418	R1A25M106I-0608	3/8"	9/16-18	1/2-14	14,0	14,0	27,0	39,5
1207419	R1A25M106I-0804	1/2"	3/4-16	1/4-19	16,5	12,0	19,0	38,5
1207420	R1A25M106I-0806	1/2"	3/4-16	3/8-19	16,5	12,0	22,0	38,5
1207421	R1A25M106I-0808	1/2"	3/4-16	1/2-14	16,5	14,0	27,0	42,0
1207422	R1A25M106I-0812	1/2"	3/4-16	3/4-14	16,5	16,0	32,0	45,5
1207423	R1A25M106I-1006	5/8"	7/8-14	3/8-19	19,5	12,0	24,0	42,5
1207424	R1A25M106I-1008	5/8"	7/8-14	1/2-14	19,5	14,0	27,0	44,5
1207425	R1A25M106I-1012	5/8"	7/8-14	3/4-14	19,5	16,0	32,0	49,5
1207426	R1A25M106I-1208	3/4"	1 1/16-12	1/2-14	22,0	14,0	32,0	49,0
1207427	R1A25M106I-1212	3/4"	1 1/16-12	3/4-14	22,0	16,0	32,0	51,0
1207428	R1A25M106I-1216	3/4"	1 1/16-12	1-11	22,0	18,0	41,0	53,5
1212875	R1A25M106I-1412	7/8"	1 3/16-12	3/4-14	22,5	16,0	32,0	53,5
1207429	R1A25M106I-1612	1"	1 5/16-12	3/4-14	23,0	16,0	36,0	51,5
1207430	R1A25M106I-1616	1"	1 5/16-12	1-11	23,0	18,0	41,0	54,5
1207431	R1A25M106I-1620	1"	1 5/16-12	1 1/4-11	23,0	20,0	50,0	58,5
1208006	R1A25M106I-2016	1"1/4	1 5/8-12	1-11	24,5	18,0	46,0	62,0
1207432	R1A25M106I-2020	1"1/4	1 5/8-12	1 1/4-11	24,5	20,0	50,0	60,0
1207433	R1A25M106I-2420	1"1/2	1 7/8-12	1 1/4-11	27,5	20,0	50,0	64,0
1207434	R1A25M106I-2424	1"1/2	1 7/8-12	1 1/2-11	27,5	22,0	55,0	67,0

Dimensions shown may be changed without prior notice

// R1A25M106H

Long connector JIC Male - BSPP cylindric Male with elastomer

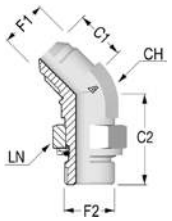


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1212846	R1A25M106H-0402	1/4"	7/16-20	1/8-28	35,0	8,0	14,0	50,0
1212847	R1A25M106H-0404	1/4"	7/16-20	1/4-19	35,0	12,0	19,0	55,5
1212848	R1A25M106H-0406	1/4"	7/16-20	3/8-19	35,0	12,0	22,0	56,8
1212849	R1A25M106H-0408	1/4"	7/16-20	1/2-14	35,0	14,0	27,0	60,3
1212850	R1A25M106H-0502	5/16"	1/2-20	1/8-28	37,0	8,0	14,0	53,3
1212851	R1A25M106H-0504	5/16"	1/2-20	1/4-19	37,0	12,0	19,0	57,5
1212852	R1A25M106H-0506	5/16"	1/2-20	3/8-19	37,0	12,0	22,0	57,5
1212853	R1A25M106H-0604	3/8"	9/16-18	1/4-19	39,0	12,0	19,0	59,5
1212854	R1A25M106H-0606	3/8"	9/16-18	3/8-19	39,5	12,0	22,0	62,0
1212855	R1A25M106H-0608	3/8"	9/16-18	1/2-14	39,0	14,0	27,0	63,0
1212856	R1A25M106H-0804	1/2"	3/4-16	1/4-19	47,8	12,0	22,0	69,8
1212857	R1A25M106H-0806	1/2"	3/4-16	3/8-19	47,8	12,0	22,0	70,8
1212858	R1A25M106H-0808	1/2"	3/4-16	1/2-14	48,0	14,0	27,0	73,5
1212859	R1A25M106H-0812	1/2"	3/4-16	3/4-14	48,0	16,0	32,0	76,8
1212860	R1A25M106H-1006	5/8"	7/8-14	3/8-19	53,0	12,0	24,0	74,0
1212861	R1A25M106H-1008	5/8"	7/8-14	1/2-14	53,1	14,0	27,0	78,1
1212862	R1A25M106H-1012	5/8"	7/8-14	3/4-14	53,1	16,0	32,0	84,1
1212863	R1A25M106H-1208	3/4"	1 1/16-12	1/2-14	63,5	14,0	30,0	90,5
1212864	R1A25M106H-1212	3/4"	1 1/16-12	3/4-14	64,0	16,0	32,0	92,5
1212865	R1A25M106H-1216	3/4"	1 1/16-12	1-11	63,5	18,0	41,0	95,0
1216388	R1A25M106H-1412	7/8"	1 3/16-12	3/4-14	68,3	16,0	32,0	99,3
1212866	R1A25M106H-1612	1"	1 5/16-12	3/4-14	72,0	16,0	36,0	100,0
1212867	R1A25M106H-1616	1"	1 5/16-12	1-11	72,1	18,0	41,0	103,6
1212868	R1A25M106H-1620	1"	1 5/16-12	1 1/4-11	72,1	20,0	50,0	107,6
1212869	R1A25M106H-2016	1"1/4	1 5/8-12	1-11	88,0	18,0	46,0	123,0
1212870	R1A25M106H-2020	1"1/4	1 5/8-12	1 1/4-11	88,1	20,0	50,0	123,6
1212871	R1A25M106H-2420	1"1/2	1 7/8-12	1 1/4-11	98,6	20,0	50,0	135,1
1212872	R1A25M106H-2424	1"1/2	1 7/8-12	1 1/2-11	98,6	22,0	55,0	138,1

Dimensions shown may be changed without prior notice

// R1A25M406N

45° adjustable elbow connector JIC Male - BSPP cylindric Male with O-Ring and retaining ring

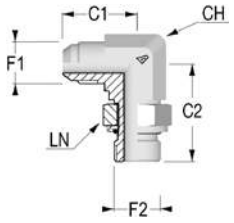


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1207325	R1A25M406N-0402	1/4"	7/16-20	1/8-28	19,5	26,5	12,0	14,0
1207326	R1A25M406N-0404	1/4"	7/16-20	1/4-19	21,0	29,0	14,0	19,0
1212959	R1A25M406N-0406	1/4"	7/16-20	3/8-19	22,0	33,0	17,0	22,0
1212960	R1A25M406N-0408	1/4"	7/16-20	1/2-14	22,5	38,5	22,0	27,0
1212961	R1A25M406N-0502	5/16"	1/2-20	1/8-28	19,5	26,5	14,0	14,0
1211702	R1A25M406N-0504	5/16"	1/2-20	1/4-19	19,5	26,5	14,0	19,0
1212962	R1A25M406N-0506	5/16"	1/2-20	3/8-19	21,0	32,5	17,0	22,0
1207327	R1A25M406N-0604	3/8"	9/16-18	1/4-19	21,0	29,0	14,0	19,0
1207328	R1A25M406N-0606	3/8"	9/16-18	3/8-19	22,0	33,0	17,0	22,0
1212963	R1A25M406N-0608	3/8"	9/16-18	1/2-14	22,5	38,5	22,0	27,0
1212964	R1A25M406N-0804	1/2"	3/4-16	1/4-19	25,5	30,0	19,0	19,0
1207329	R1A25M406N-0806	1/2"	3/4-16	3/8-19	25,5	33,0	19,0	22,0
1207330	R1A25M406N-0808	1/2"	3/4-16	1/2-14	25,5	38,5	22,0	27,0
1207331	R1A25M406N-1008	5/8"	7/8-14	1/2-14	28,0	38,5	22,0	27,0
1208292	R1A25M406N-1012	5/8"	7/8-14	3/4-14	30,0	44,0	27,0	36,0
1207333	R1A25M406N-1212	3/4"	1 1/16-12	3/4-14	32,5	44,0	27,0	36,0
1212967	R1A25M406N-1216	3/4"	1 1/16-12	1-11	37,0	47,0	33,0	41,0
1212968	R1A25M406N-1412	7/8"	1 3/16-12	3/4-14	35,0	45,5	33,0	36,0
1212969	R1A25M406N-1612	1"	1 5/16-12	3/4-14	37,0	47,0	33,0	36,0
1207334	R1A25M406N-1616	1"	1 5/16-12	1-11	37,0	47,0	33,0	41,0
1208380	R1A25M406N-2020	1"1/4	1 5/8-12	1 1/4-11	39,5	48,5	41,0	50,0
1211703	R1A25M406N-2424	1"1/2	1 7/8-12	1 1/2-11	45,0	48,0	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A25M906N

90° adjustable elbow connector JIC Male - BSPP cylindric Male with O-Ring and retaining ring

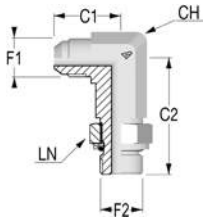


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1207238	R1A25M906N-0402	1/4"	7/16-20	1/8-28	22,5	26,0	12,0	14,0
1207239	R1A25M906N-0404	1/4"	7/16-20	1/4-19	27,0	31,5	14,0	19,0
1213024	R1A25M906N-0406	1/4"	7/16-20	3/8-19	28,5	36,5	17,0	22,0
1213025	R1A25M906N-0408	1/4"	7/16-20	1/2-14	31,0	43,0	22,0	27,0
1207240	R1A25M906N-0502	5/16"	1/2-20	1/8-28	24,0	27,5	14,0	14,0
1207241	R1A25M906N-0504	5/16"	1/2-20	1/4-19	27,0	31,5	14,0	19,0
1207743	R1A25M906N-0506	5/16"	1/2-20	3/8-19	28,5	36,5	17,0	22,0
1207242	R1A25M906N-0604	3/8"	9/16-18	1/4-19	27,0	31,5	14,0	19,0
1207243	R1A25M906N-0606	3/8"	9/16-18	3/8-19	28,5	36,5	17,0	22,0
1208226	R1A25M906N-0608	3/8"	9/16-18	1/2-14	31,0	43,0	22,0	27,0
1207244	R1A25M906N-0804	1/2"	3/4-16	1/4-19	31,5	33,5	19,0	19,0
1207245	R1A25M906N-0806	1/2"	3/4-16	3/8-19	31,5	36,5	19,0	22,0
1207246	R1A25M906N-0808	1/2"	3/4-16	1/2-14	34,1	43,0	22,0	27,0
1213026	R1A25M906N-0812	1/2"	3/4-16	3/4-14	37,0	49,0	27,0	36,0
1207744	R1A25M906N-1006	5/8"	7/8-14	3/8-19	36,5	39,5	22,0	22,0
1207247	R1A25M906N-1008	5/8"	7/8-14	1/2-14	36,5	43,0	22,0	27,0
1207745	R1A25M906N-1012	5/8"	7/8-14	3/4-14	39,5	49,0	27,0	27,0
1207248	R1A25M906N-1208	3/4"	1 1/16-12	1/2-14	42,0	45,5	27,0	27,0
1207249	R1A25M906N-1212	3/4"	1 1/16-12	3/4-14	42,0	49,0	27,0	36,0
1207250	R1A25M906N-1216	3/4"	1 1/16-12	1-11	44,5	52,0	33,0	41,0
1213027	R1A25M906N-1412	7/8"	1 3/16-12	3/4-14	44,0	50,5	33,0	36,0
1207251	R1A25M906N-1612	1"	1 5/16-12	3/4-14	46,0	52,0	33,0	36,0
1207252	R1A25M906N-1616	1"	1 5/16-12	1-11	46,0	52,0	33,0	41,0
1207746	R1A25M906N-1620	1"	1 5/16-12	1 1/4-11	51,0	57,0	41,0	50,0
1207253	R1A25M906N-2016	1"1/4	1 5/8-12	1-11	52,0	57,0	41,0	41,0
1207254	R1A25M906N-2020	1"1/4	1 5/8-12	1 1/4-11	52,0	57,0	41,0	50,0
1213028	R1A25M906N-2420	1"1/2	1 7/8-12	1 1/4-11	59,0	61,0	48,0	50,0
1207255	R1A25M906N-2424	1"1/2	1 7/8-12	1 1/2-11	59,0	61,0	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A25M906Y

90° adjustable long elbow connector JIC Male - BSPP cylindric Male with O-Ring and retaining ring

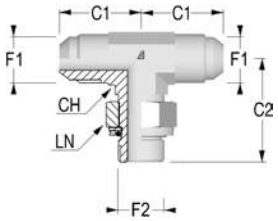


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1213029	R1A25M906Y-0402	1/4"	7/16-20	1/8-28	24,0	46,0	14,0	14,0
1213030	R1A25M906Y-0404	1/4"	7/16-20	1/4-19	27,0	56,5	14,0	19,0
1213031	R1A25M906Y-0406	1/4"	7/16-20	3/8-19	28,5	67,0	17,0	22,0
1213032	R1A25M906Y-0408	1/4"	7/16-20	1/2-14	31,0	78,0	22,0	27,0
1213033	R1A25M906Y-0502	5/16"	1/2-20	1/8-28	24,0	49,5	14,0	14,0
1213034	R1A25M906Y-0504	5/16"	1/2-20	1/4-19	27,0	56,5	14,0	19,0
1213035	R1A25M906Y-0506	5/16"	1/2-20	3/8-19	28,5	61,0	17,0	22,0
1213036	R1A25M906Y-0604	3/8"	9/16-18	1/4-19	27,0	56,5	14,0	19,0
1213037	R1A25M906Y-0606	3/8"	9/16-18	3/8-19	28,5	67,0	17,0	22,0
1213038	R1A25M906Y-0608	3/8"	9/16-18	1/2-14	28,5	78,0	22,0	27,0
1213039	R1A25M906Y-0804	1/2"	3/4-16	1/4-19	31,5	64,0	22,0	19,0
1213040	R1A25M906Y-0806	1/2"	3/4-16	3/8-19	31,5	67,0	22,0	22,0
1213041	R1A25M906Y-0808	1/2"	3/4-16	1/2-14	34,1	78,0	22,0	27,0
1213042	R1A25M906Y-0812	1/2"	3/4-16	3/4-14	37,0	92,0	27,0	36,0
1213043	R1A25M906Y-1006	5/8"	7/8-14	3/8-19	36,5	75,0	22,0	22,0
1213044	R1A25M906Y-1008	5/8"	7/8-14	1/2-14	36,5	78,0	22,0	27,0
1213045	R1A25M906Y-1012	5/8"	7/8-14	3/4-14	39,5	92,0	27,0	36,0
1213046	R1A25M906Y-1208	3/4"	1 1/16-12	1/2-14	42,0	88,0	27,0	27,0
1213047	R1A25M906Y-1216	3/4"	1 1/16-12	1-11	44,5	105,0	33,0	41,0
1216418	R1A25M906Y-1412	7/8"	1 3/16-12	3/4-14	44,0	99,0	33,0	36,0
1213048	R1A25M906Y-1616	1"	1 5/16-12	1-11	46,0	105,0	33,0	41,0
1213049	R1A25M906Y-1620	1"	1 5/16-12	1 1/4-11	51,0	123,0	41,0	50,0
1213050	R1A25M906Y-2016	1"1/4	1 5/8-12	1-11	52,0	124,0	41,0	41,0
1213051	R1A25M906Y-2020	1"1/4	1 5/8-12	1 1/4-11	52,0	123,0	41,0	50,0
1213052	R1A25M906Y-2420	1"1/2	1 7/8-12	1 1/4-11	59,0	134,0	48,0	50,0
1213053	R1A25M906Y-2424	1"1/2	1 7/8-12	1 1/2-11	59,0	135,0	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A25MT06N

Branch Tee adjustable elbow connector JIC Male - BSPP cylindric Male with O-Ring and retaining ring

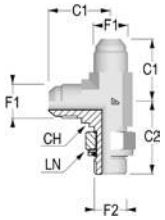


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1208134	R1A25MT06N-0402	1/4"	7/16-20	1/8-28	24,5	26,0	12,0	14,0
1210701	R1A25MT06N-0404	1/4"	7/16-20	1/4-19	27,0	31,5	14,0	19,0
1212762	R1A25MT06N-0406	1/4"	7/16-20	3/8-19	28,5	36,5	17,0	22,0
1212763	R1A25MT06N-0408	1/4"	7/16-20	1/2-14	31,0	43,0	22,0	27,0
1212764	R1A25MT06N-0502	5/16"	1/2-20	1/8-28	24,0	27,5	14,0	14,0
1207314	R1A25MT06N-0504	5/16"	1/2-20	1/4-19	27,0	31,5	14,0	19,0
1212765	R1A25MT06N-0506	5/16"	1/2-20	3/8-19	28,5	36,5	17,0	22,0
1207313	R1A25MT06N-0604	3/8"	9/16-18	1/4-19	27,0	31,5	14,0	19,0
1210744	R1A25MT06N-0606	3/8"	9/16-18	3/8-19	28,5	36,5	17,0	22,0
1212766	R1A25MT06N-0608	3/8"	9/16-18	1/2-14	31,0	43,0	22,0	27,0
1212767	R1A25MT06N-0804	1/2"	3/4-16	1/4-19	31,5	33,5	19,0	19,0
1240190	R1A25MT06N-0806	1/2"	3/4-16	3/8-19	31,5	36,5	19,0	22,0
1207316	R1A25MT06N-0808	1/2"	3/4-16	1/2-14	34,0	43,0	22,0	27,0
1212768	R1A25MT06N-0812	1/2"	3/4-16	3/4-14	37,0	49,0	27,0	36,0
1212769	R1A25MT06N-1006	5/8"	7/8-14	3/8-19	36,5	39,5	22,0	22,0
1207317	R1A25MT06N-1008	5/8"	7/8-14	1/2-14	36,5	43,0	22,0	27,0
1212770	R1A25MT06N-1012	5/8"	7/8-14	3/4-14	36,5	43,0	27,0	36,0
1207318	R1A25MT06N-1208	3/4"	1 1/16-12	1/2-14	42,0	45,5	27,0	27,0
1207319	R1A25MT06N-1212	3/4"	1 1/16-12	3/4-14	42,0	49,0	27,0	27,0
1212771	R1A25MT06N-1216	3/4"	1 1/16-12	1-11	44,5	52,0	33,0	41,0
1216449	R1A25MT06N-1412	7/8"	1 3/16-12	-	44,0	50,5	33,0	27,0
1212772	R1A25MT06N-1612	1"	1 5/16-12	3/4-14	46,0	52,0	33,0	27,0
1207320	R1A25MT06N-1616	1"	1 5/16-12	1-11	46,0	52,0	33,0	41,0
1212773	R1A25MT06N-1620	1"	1 5/16-12	1 1/4-11	51,0	57,0	41,0	50,0
1212774	R1A25MT06N-2016	1"1/4	1 5/8-12	1-11	52,0	57,0	41,0	41,0
1211631	R1A25MT06N-2020	1"1/4	1 5/8-12	1 1/4-11	52,0	57,0	41,0	50,0
1211632	R1A25MT06N-2420	1"1/2	1 7/8-12	1 1/4-11	59,0	61,0	48,0	50,0
1211633	R1A25MT06N-2424	1"1/2	1 7/8-12	1 1/2-11	59,0	61,0	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A25ML06N

Run Tee adjustable elbow connector JIC Male - BSPP cylindric Male with O-Ring and retaining ring

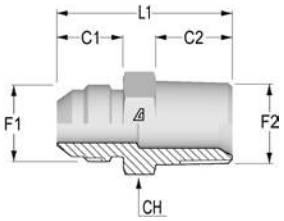


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1210740	R1A25ML06N-0402	1/4"	7/16-20	1/8-28	22,5	26,5	12,0	14,0
1210742	R1A25ML06N-0404	1/4"	7/16-20	1/4-19	27,0	31,5	14,0	19,0
1212702	R1A25ML06N-0406	1/4"	7/16-20	3/8-19	28,5	36,5	17,0	22,0
1212703	R1A25ML06N-0408	1/4"	7/16-20	1/2-14	31,0	43,0	22,0	27,0
1210694	R1A25ML06N-0504	5/16"	1/2-20	1/4-19	27,0	31,5	14,0	19,0
1212704	R1A25ML06N-0506	5/16"	1/2-20	3/8-19	28,5	36,5	17,0	22,0
1207292	R1A25ML06N-0604	3/8"	9/16-18	1/4-19	27,0	31,5	14,0	19,0
1207293	R1A25ML06N-0606	3/8"	9/16-18	3/8-19	28,5	36,5	17,0	22,0
1212705	R1A25ML06N-0608	3/8"	9/16-18	1/2-14	31,0	43,0	22,0	27,0
1212706	R1A25ML06N-0804	1/2"	3/4-16	1/4-19	31,5	33,5	19,0	19,0
1207294	R1A25ML06N-0806	1/2"	3/4-16	3/8-19	31,5	36,5	19,0	22,0
1207295	R1A25ML06N-0808	1/2"	3/4-16	1/2-14	34,0	43,0	22,0	27,0
1212707	R1A25ML06N-0812	1/2"	3/4-16	3/4-14	37,0	49,0	27,0	36,0
1212708	R1A25ML06N-1006	5/8"	7/8-14	3/8-19	36,5	39,5	22,0	22,0
1207748	R1A25ML06N-1008	5/8"	7/8-14	1/2-14	36,5	43,0	22,0	27,0
1208030	R1A25ML06N-1012	5/8"	7/8-14	3/4-14	39,5	49,0	27,0	36,0
1207299	R1A25ML06N-1208	3/4"	1 1/16-12	1/2-14	42,0	45,5	27,0	27,0
1207296	R1A25ML06N-1212	3/4"	1 1/16-12	3/4-14	42,0	49,0	27,0	36,0
1208124	R1A25ML06N-1216	3/4"	1 1/16-12	1-11	44,5	52,0	33,0	41,0
1208277	R1A25ML06N-1612	1"	1 5/16-12	3/4-14	46,0	52,0	33,0	36,0
1207297	R1A25ML06N-1616	1"	1 5/16-12	1-11	46,0	52,0	33,0	41,0
1212710	R1A25ML06N-1620	1"	1 5/16-12	1 1/4-11	52,0	56,0	41,0	50,0
1212711	R1A25ML06N-2016	1"1/4	1 5/8-12	1-11	52,0	57,0	41,0	41,0
1212712	R1A25ML06N-2420	1"1/2	1 7/8-12	1 1/4-11	59,0	61,0	48,0	50,0
1208125	R1A25ML06N-2424	1"1/2	1 7/8-12	1 1/2-11	59,0	61,0	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A25M107M

Straight connector JIC Male - BSPT Male

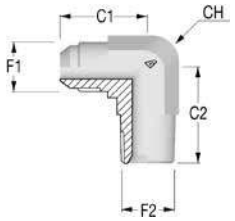


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1203683	R1A25M107M-0402	1/4"	7/16-20	1/8-28	14,0	10,0	14,0	30,5
1203682	R1A25M107M-0404	1/4"	7/16-20	1/4-19	14,0	14,5	14,0	35,5
1203626	R1A25M107M-0502	5/16"	1/2-20	1/8-28	14,0	10,0	14,0	30,5
1203625	R1A25M107M-0504	5/16"	1/2-20	1/4-19	14,0	14,5	14,0	35,5
1203711	R1A25M107M-0604	3/8"	9/16-18	1/4-19	14,0	14,5	17,0	35,5
1203712	R1A25M107M-0606	3/8"	9/16-18	3/8-19	14,0	14,5	19,0	35,5
1203710	R1A25M107M-0608	3/8"	9/16-18	1/2-14	14,0	19,0	22,0	41,0
1203667	R1A25M107M-0804	1/2"	3/4-16	1/4-19	16,5	14,5	19,0	38,5
1203669	R1A25M107M-0806	1/2"	3/4-16	3/8-19	16,5	14,5	19,0	38,5
1203666	R1A25M107M-0808	1/2"	3/4-16	1/2-14	16,5	19,0	22,0	43,5
1203696	R1A25M107M-1006	5/8"	7/8-14	3/8-19	19,5	14,5	24,0	42,0
1203694	R1A25M107M-1008	5/8"	7/8-14	1/2-14	19,5	19,0	24,0	46,5
1203695	R1A25M107M-1012	5/8"	7/8-14	3/4-14	19,5	19,0	27,0	48,5
1203614	R1A25M107M-1208	3/4"	1 1/16-12	1/2-14	22,0	19,0	27,0	51,0
1203615	R1A25M107M-1212	3/4"	1 1/16-12	3/4-14	22,0	19,0	27,0	51,0
1203613	R1A25M107M-1216	3/4"	1 1/16-12	1-11	22,0	24,0	36,0	56,5
1216391	R1A25M107M-1412	7/8"	1 3/16-12	3/4-14	22,5	19,0	32,0	50,5
1203638	R1A25M107M-1612	1"	1 5/16-12	3/4-14	23,0	19,0	36,0	53,0
1203636	R1A25M107M-1616	1"	1 5/16-12	1-11	23,0	24,0	36,0	58,0
1203644	R1A25M107M-2016	1"1/4	1 5/8-12	1-11	24,5	24,0	46,0	60,5
1203645	R1A25M107M-2020	1"1/4	1 5/8-12	1 1/4-11	24,5	25,0	46,0	61,0
1203652	R1A25M107M-2424	1"1/2	1 7/8-12	1 1/2-11	27,5	25,5	50,0	68,0

Dimensions shown may be changed without prior notice

// R1A25M907M

90° elbow connector JIC Male - BSPT Male



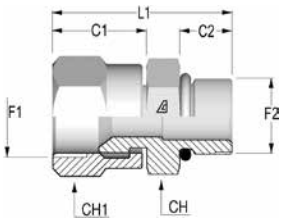
Item Code	Part Number	OD1	F1	F2	C1	C2	CH
		in			mm	mm	mm
1203874	R1A25M907M-0402	1/4"	7/16-20	1/8-28	22,5	19,5	12,0
1203873	R1A25M907M-0404	1/4"	7/16-20	1/4-19	27,0	27,5	14,0
1203840	R1A25M907M-0502	5/16"	1/2-20	1/8-28	24,0	20,0	14,0
1203839	R1A25M907M-0504	5/16"	1/2-20	1/4-19	27,0	27,0	14,0
1203895	R1A25M907M-0604	3/8"	9/16-18	1/4-19	27,0	27,0	14,0
1203896	R1A25M907M-0606	3/8"	9/16-18	3/8-19	28,5	31,0	17,0
1203894	R1A25M907M-0608	3/8"	9/16-18	1/2-14	31,0	37,5	22,0
1203864	R1A25M907M-0804	1/2"	3/4-16	1/4-19	31,5	31,0	19,0
1203865	R1A25M907M-0806	1/2"	3/4-16	3/8-19	31,5	31,0	19,0
1203863	R1A25M907M-0808	1/2"	3/4-16	1/2-14	34,0	37,0	22,0
1203883	R1A25M907M-1006	5/8"	7/8-14	3/8-19	36,5	32,5	22,0
1203881	R1A25M907M-1008	5/8"	7/8-14	1/2-14	36,5	40,0	22,0
1203882	R1A25M907M-1012	5/8"	7/8-14	3/4-14	39,5	40,5	27,0
1203835	R1A25M907M-1212	3/4"	1 1/16-12	3/4-14	42,0	40,5	27,0
1203833	R1A25M907M-1216	3/4"	1 1/16-12	1-11	44,5	50,0	33,0
1216419	R1A25M907M-1412	7/8"	1 3/16-12	3/4-14	44,0	43,0	33,0
1203847	R1A25M907M-1612	1"	1 5/16-12	3/4-14	46,0	45,0	33,0
1203846	R1A25M907M-1616	1"	1 5/16-12	1-11	46,0	50,0	33,0
1205460	R1A25M907M-2016	1"1/4	1 5/8-12	1-11	52,0	59,5	41,0
1203853	R1A25M907M-2020	1"1/4	1 5/8-12	1 1/4-11	52,0	60,5	41,0
1213054	R1A25M907M-2424	1"1/2	1 7/8-12	1 1/2-11	59,0	67,0	48,0

Dimensions shown may be changed without prior notice

// METRIC

// R1A2511525

Straight connector JIC Female - Metric Male with O-Ring

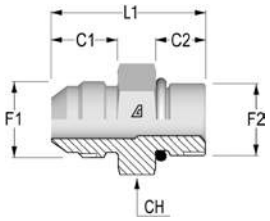


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	CH1	L
		in			mm	mm	mm	mm	mm
1207442	R1A2511525-0410	1/4"	7/16-20	M10X1.0	17,0	11,0	14,0	16,0	34,5
1216347	R1A2511525-0412	1/4"	7/16-20	M12X1.5	17,0	13,5	17,0	16,0	36,5
1216348	R1A2511525-0510	5/16"	1/2-20	M10X1.0	18,5	11,0	14,0	17,0	36,5
1207443	R1A2511525-0512	5/16"	1/2-20	M12X1.5	18,5	13,5	17,0	17,0	39,0
1216349	R1A2511525-0514	5/16"	1/2-20	M14X1.5	18,5	13,5	19,0	17,0	40,0
1207444	R1A2511525-0614	3/8"	9/16-18	M14X1.5	18,5	13,5	19,0	19,0	41,0
1216350	R1A2511525-0616	3/8"	9/16-18	M16X1.5	18,5	14,0	22,0	19,0	42,5
1216351	R1A2511525-0818	1/2"	3/4-16	M18X1.5	22,2	15,0	24,0	25,0	45,5
1207629	R1A2511525-1018	5/8"	7/8-14	M18X1.5	25,2	15,0	24,0	27,0	48,2
1216352	R1A2511525-1020	5/8"	7/8-14	M20X1.5	25,2	16,5	24,0	27,0	49,7
1207446	R1A2511525-1022	5/8"	7/8-14	M22X1.5	25,2	15,5	27,0	27,0	50,7
1216353	R1A2511525-1222	3/4"	1 1/16-12	M22X1.5	27,3	15,5	27,0	32,0	53,5
1207447	R1A2511525-1227	3/4"	1 1/16-12	M27X2	27,3	18,5	32,0	32,0	57,5
1216354	R1A2511525-1426	7/8"	1 3/16-12	M26X1.5	27,0	21,0	32,0	36,0	60,0
1216355	R1A2511525-1627	1"	1 5/16-12	M27X2	29,6	18,5	36,0	38,0	60,0
1207448	R1A2511525-1633	1"	1 5/16-12	M33X2.0	29,6	19,0	41,0	38,0	61,0

Dimensions shown may be changed without prior notice

// R1A25M1525

Straight connector JIC Male - Metric Male with O-Ring

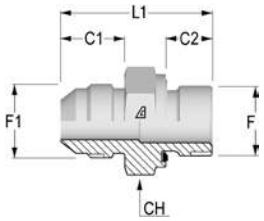


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1207635	R1A25M1525-0412	1/4"	7/16-20	M12X1.5	14,0	13,5	17,0	31,5
1207636	R1A25M1525-0510	5/16"	1/2-20	M10X1.0	14,0	11,0	14,0	30,5
1224083	R1A25M1525-0512	5/16"	1/2-20	M12X1.5	14,0	13,5	17,0	33,5
1207408	R1A25M1525-0614	3/8"	9/16-18	M14X1.5	14,0	13,5	19,0	33,5
1207639	R1A25M1525-0616	3/8"	9/16-18	M16X1.5	14,0	14,0	22,0	35,0
1211696	R1A25M1525-0816	1/2"	3/4-16	M16X1.5	16,5	14,0	22,0	38,0
1207387	R1A25M1525-0818	1/2"	3/4-16	M18X1.5	16,5	15,0	24,0	38,5
1225818	R1A25M1525-1018	5/8"	7/8-14	M18X1.5	19,5	15,0	24,0	42,0
1212958	R1A25M1525-1020	5/8"	7/8-14	M20X1.5	19,5	16,5	24,0	41,5
1207405	R1A25M1525-1022	5/8"	7/8-14	M22X1.5	19,5	15,5	27,0	43,0
1207404	R1A25M1525-1222	3/4"	1 1/16-12	M22X1.5	22,0	15,5	27,0	45,5
1207403	R1A25M1525-1227	3/4"	1 1/16-12	M27X2	22,0	18,5	32,0	49,0
1216402	R1A25M1525-1627	1"	1 5/16-12	M27X2	23,0	18,5	36,0	50,5
1207402	R1A25M1525-1633	1"	1 5/16-12	M33X2.0	23,0	19,0	41,0	51,0
1207401	R1A25M1525-2042	1"1/4	1 5/8-12	M42X2	24,5	19,0	50,0	55,0
1207400	R1A25M1525-2448	1"1/2	1 7/8-12	M48X2.0	27,5	17,5	55,0	60,0

Dimensions shown may be changed without prior notice

// R1A25M152I

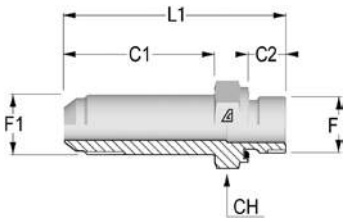
Straight connector JIC Male - Metric Male with elastomer



Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1207390	R1A25M152I-0410	1/4"	7/16-20	M10X1.0	14,0	8,0	14,0	31,0
1212950	R1A25M152I-0412	1/4"	7/16-20	M12X1.5	14,0	12,0	17,0	33,5
1212951	R1A25M152I-0510	5/16"	1/2-20	M10X1.0	14,0	8,0	14,0	30,5
1207391	R1A25M152I-0512	5/16"	1/2-20	M12X1.5	14,0	12,0	17,0	33,5
1208306	R1A25M152I-0514	5/16"	1/2-20	M14X1.5	14,0	12,0	19,0	35,0
1207392	R1A25M152I-0614	3/8"	9/16-18	M14X1.5	14,0	12,0	19,0	33,5
1212952	R1A25M152I-0616	3/8"	9/16-18	M16X1.5	14,0	12,0	22,0	35,5
1207393	R1A25M152I-0816	1/2"	3/4-16	M16X1.5	16,5	12,0	22,0	37,5
1207388	R1A25M152I-0818	1/2"	3/4-16	M18X1.5	16,5	12,0	24,0	39,0
1207389	R1A25M152I-1018	5/8"	7/8-14	M18X1.5	19,5	12,0	24,0	41,5
1212953	R1A25M152I-1020	5/8"	7/8-14	M20X1.5	19,5	14,0	24,0	43,5
1207394	R1A25M152I-1022	5/8"	7/8-14	M22X1.5	19,5	14,0	27,0	43,0
1207395	R1A25M152I-1222	3/4"	1 1/16-12	M22X1.5	22,0	14,0	27,0	45,5
1207396	R1A25M152I-1227	3/4"	1 1/16-12	M27X2	22,0	16,0	32,0	49,0
1216405	R1A25M152I-1426	7/8"	1 3/16-12	M26X1.5	22,5	16,0	32,0	49,5
1212957	R1A25M152I-1627	1"	1 5/16-12	M27X2	23,0	16,0	36,0	55,0
1207397	R1A25M152I-1633	1"	1 5/16-12	M33X2.0	23,0	18,0	41,0	51,5
1207398	R1A25M152I-2042	1"1/4	1 5/8-12	M42X2	24,5	20,0	50,0	55,0
1207399	R1A25M152I-2448	1"1/2	1 7/8-12	M48X2.0	27,5	22,0	55,0	60,5

// R1A25M152H

Long connector JIC Male - Metric Male with elastomer

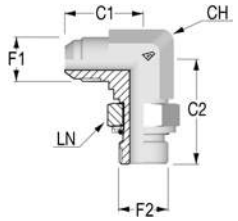


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1212934	R1A25M152H-0410	1/4"	7/16-20	M10X1.0	35,0	9,5	14,0	51,0
1212935	R1A25M152H-0510	5/16"	1/2-20	M10X1.0	37,0	9,5	14,0	53,0
1212936	R1A25M152H-0512	5/16"	1/2-20	M12X1.5	37,0	14,0	17,0	55,5
1212937	R1A25M152H-0514	5/16"	1/2-20	M14X1.5	37,0	14,0	19,0	56,5
1212938	R1A25M152H-0614	3/8"	9/16-18	M14X1.5	39,0	14,0	19,0	58,5
1212939	R1A25M152H-0616	3/8"	9/16-18	M16X1.5	39,0	14,0	22,0	60,0
1212940	R1A25M152H-0816	1/2"	3/4-16	M16X1.5	48,0	14,0	22,0	69,0
1212941	R1A25M152H-0818	1/2"	3/4-16	M18X1.5	48,0	14,5	24,0	70,5
1212942	R1A25M152H-1018	5/8"	7/8-14	M18X1.5	53,0	14,5	24,0	75,5
1212943	R1A25M152H-1022	5/8"	7/8-14	M22X1.5	53,0	17,0	27,0	78,0
1212944	R1A25M152H-1222	3/4"	1 1/16-12	M22X1.5	63,0	17,0	27,0	89,0
1212945	R1A25M152H-1227	3/4"	1 1/16-12	M27X2	63,0	19,0	32,0	92,5
1212946	R1A25M152H-1627	1"	1 5/16-12	M27X2	72,0	19,0	36,0	102,0
1212947	R1A25M152H-1633	1"	1 5/16-12	M33X2.0	72,0	21,0	41,0	102,5
1212948	R1A25M152H-2042	1"1/4	1 5/8-12	M42X2	88,0	23,0	50,0	121,0
1212949	R1A25M152H-2448	1"1/2	1 7/8-12	M48X2.0	88,0	25,0	55,0	136,0

Dimensions shown may be changed without prior notice

// R1A25M952Q

90° adjustable elbow connector JIC Male - Metric Male with O-Ring and retaining ring

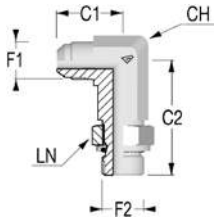


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1207275	R1A25M952Q-0410	1/4"	7/16-20	M10X1.0	22,5	27,5	12,0	14,0
1213138	R1A25M952Q-0412	1/4"	7/16-20	M12X1.5	27,0	31,5	14,0	17,0
1213140	R1A25M952Q-0510	5/16"	1/2-20	M10X1.0	24,0	27,5	14,0	14,0
1207276	R1A25M952Q-0512	5/16"	1/2-20	M12X1.5	27,0	31,5	14,0	17,0
1213141	R1A25M952Q-0514	5/16"	1/2-20	M14X1.5	27,0	32,5	14,0	19,0
1207277	R1A25M952Q-0614	3/8"	9/16-18	M14X1.5	27,0	32,5	14,0	19,0
1213142	R1A25M952Q-0616	3/8"	9/16-18	M16X1.5	28,5	36,5	17,0	22,0
1207278	R1A25M952Q-0816	1/2"	3/4-16	M16X1.5	31,5	36,5	19,0	22,0
1207523	R1A25M952Q-0818	1/2"	3/4-16	M18X1.5	31,5	39,5	19,0	24,0
1207279	R1A25M952Q-1018	5/8"	7/8-14	M18X1.5	36,5	41,5	22,0	24,0
1213144	R1A25M952Q-1020	5/8"	7/8-14	M20X1.5	36,5	43,0	22,0	27,0
1207280	R1A25M952Q-1022	5/8"	7/8-14	M22X1.5	36,5	43,0	22,0	27,0
1207281	R1A25M952Q-1222	3/4"	1 1/16-12	M22X1.5	42,0	45,5	27,0	27,0
1210693	R1A25M952Q-1227	3/4"	1 1/16-12	M27X2	42,0	51,5	27,0	32,0
1213145	R1A25M952Q-1426	7/8"	1 3/16-12	M26X1.5	44,0	50,5	27,0	36,0
1213146	R1A25M952Q-1627	1"	1 5/16-12	M27X2	46,0	55,0	33,0	32,0
1207282	R1A25M952Q-1633	1"	1 5/16-12	M33X1.5	46,0	55,0	33,0	41,0
1211742	R1A25M952Q-2042	1"1/4	1 5/8-12	M42X2	52,0	60,0	41,0	50,0
1213147	R1A25M952Q-2448	1"1/2	1 7/8-12	M48X1.5	59,0	67,0	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A25M952Y

90° adjustable long elbow connector JIC Male - Metric Male with O-Ring and retaining ring

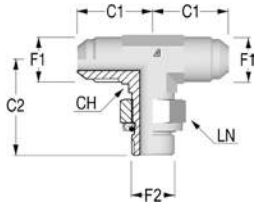


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1213148	R1A25M952Y-0410	1/4"	7/16-20	M10X1.0	22,5	46,0	12,0	14,0
1213149	R1A25M952Y-0412	1/4"	7/16-20	M12X1.5	27,0	53,5	14,0	17,0
1213150	R1A25M952Y-0510	5/16"	1/2-20	M10X1.0	24,0	49,5	14,0	14,0
1213151	R1A25M952Y-0512	5/16"	1/2-20	M12X1.5	27,0	53,5	14,0	17,0
1213152	R1A25M952Y-0514	5/16"	1/2-20	M14X1.5	27,0	56,5	14,0	19,0
1213153	R1A25M952Y-0614	3/8"	9/16-18	M14X1.5	27,0	56,5	14,0	19,0
1213154	R1A25M952Y-0616	3/8"	9/16-18	M16X1.5	28,5	67,0	17,0	22,0
1213155	R1A25M952Y-0816	1/2"	3/4-16	M16X1.5	31,5	67,0	19,0	22,0
1213156	R1A25M952Y-0818	1/2"	3/4-16	M18X1.5	31,5	67,0	19,0	24,0
1213157	R1A25M952Y-1018	5/8"	7/8-14	M18X1.5	36,5	75,0	22,0	24,0
1213158	R1A25M952Y-1020	5/8"	7/8-14	M20X1.5	36,5	78,0	22,0	27,0
1213159	R1A25M952Y-1022	5/8"	7/8-14	M22X1.5	36,5	78,0	22,0	27,0
1213160	R1A25M952Y-1222	3/4"	1 1/16-12	M22X1.5	42,0	88,0	27,0	27,0
1213161	R1A25M952Y-1227	3/4"	1 1/16-12	M27X2	42,0	95,0	27,0	32,0
1216432	R1A25M952Y-1426	7/8"	1 3/16-12	M26X1.5	44,0	97,0	27,0	36,0
1213162	R1A25M952Y-1627	1"	1 5/16-12	M27X2	46,0	105,0	33,0	32,0
1213163	R1A25M952Y-1633	1"	1 5/16-12	M33X1.5	46,0	105,0	33,0	41,0
1213164	R1A25M952Y-2042	1"1/4	1 5/8-12	M42X2	52,0	124,0	41,0	50,0
1213165	R1A25M952Y-2448	1"1/2	1 7/8-12	M48X1.5	59,0	141,0	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A25MT52Q

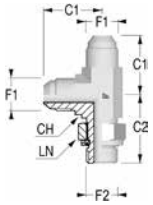
Branch Tee adjustable elbow connector JIC Male - Metric Male with O-Ring and retaining ring



Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1211640	R1A25MT52Q-0410	1/4"	7/16-20	M10X1.0	22,5	27,5	12,0	14,0
1212815	R1A25MT52Q-0412	1/4"	7/16-20	M12X1.5	27,0	31,5	14,0	17,0
1212816	R1A25MT52Q-0510	5/16"	1/2-20	M10X1.0	24,0	27,5	14,0	14,0
1210706	R1A25MT52Q-0512	5/16"	1/2-20	M12X1.5	27,0	31,5	14,0	17,0
1212817	R1A25MT52Q-0514	5/16"	1/2-20	M14X1.5	27,0	32,5	14,0	19,0
1207324	R1A25MT52Q-0614	3/8"	9/16-18	M14X1.5	27,0	32,5	14,0	19,0
1212818	R1A25MT52Q-0616	3/8"	9/16-18	M16X1.5	28,5	36,5	17,0	22,0
1210707	R1A25MT52Q-0816	1/2"	3/4-16	M16X1.5	31,5	36,5	19,0	22,0
1212819	R1A25MT52Q-0818	1/2"	3/4-16	M18X1.5	31,5	39,5	19,0	24,0
1212820	R1A25MT52Q-1020	5/8"	7/8-14	M20X1.5	36,5	43,0	22,0	27,0
1211641	R1A25MT52Q-1022	5/8"	7/8-14	M22X1.5	36,5	43,0	22,0	27,0
1212821	R1A25MT52Q-1222	3/4"	1 1/16-12	M22X1.5	42,0	45,5	27,0	27,0
1211642	R1A25MT52Q-1227	3/4"	1 1/16-12	M27X1.5	42,0	51,5	27,0	32,0
1216493	R1A25MT52Q-1426	7/8"	1 3/16-12	M26X1.5	44,0	50,5	27,0	36,0
1212822	R1A25MT52Q-1627	1"	1 5/16-12	M27X2	46,0	55,0	33,0	32,0
1211643	R1A25MT52Q-1633	1"	1 5/16-12	M33X1.5	46,0	55,0	33,0	41,0
1211644	R1A25MT52Q-2042	1"1/4	1 5/8-12	M42X2	52,0	60,0	41,0	50,0
1211645	R1A25MT52Q-2448	1"1/2	1 7/8-12	M48X1.5	59,0	67,0	48,0	55,0

// R1A25ML52Q

Run Tee adjustable elbow connector JIC Male - Metric Male with O-Ring and retaining ring



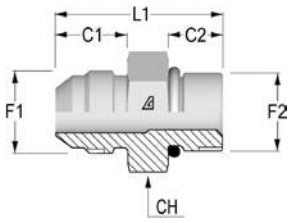
Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1210699	R1A25ML52Q-0410	1/4"	7/16-20	M10X1.0	22,5	27,5	12,0	14,0
1212753	R1A25ML52Q-0412	1/4"	7/16-20	M12X1.5	27,0	31,5	14,0	17,0
1212754	R1A25ML52Q-0510	5/16"	1/2-20	M10X1.0	24,0	27,5	14,0	14,0
1211626	R1A25ML52Q-0512	5/16"	1/2-20	M12X1.5	27,0	31,5	14,0	17,0
1212755	R1A25ML52Q-0514	5/16"	1/2-20	M14X1.5	27,0	32,5	14,0	19,0
1207303	R1A25ML52Q-0614	3/8"	9/16-18	M14X1.5	27,0	32,5	14,0	19,0
1212756	R1A25ML52Q-0616	3/8"	9/16-18	M16X1.5	28,5	36,5	17,0	22,0
1207302	R1A25ML52Q-0816	1/2"	3/4-16	M16X1.5	31,5	36,5	19,0	22,0
1212757	R1A25ML52Q-0818	1/2"	3/4-16	M18X1.5	31,5	39,5	19,0	24,0
1212758	R1A25ML52Q-1018	5/8"	7/8-14	M18X1.5	36,5	41,5	22,0	24,0
1212759	R1A25ML52Q-1020	5/8"	7/8-14	M20X1.5	36,5	43,0	22,0	27,0
1210700	R1A25ML52Q-1022	5/8"	7/8-14	M22X1.5	36,5	43,0	22,0	27,0
1212760	R1A25ML52Q-1222	3/4"	1 1/16-12	M22X1.5	42,0	45,5	27,0	27,0
1211627	R1A25ML52Q-1227	3/4"	1 1/16-12	M27X2	42,0	51,5	27,0	32,0
1216448	R1A25ML52Q-1426	7/8"	1 3/16-12	M26X1.5	44,0	50,5	27,0	36,0
1212761	R1A25ML52Q-1627	1"	1 5/16-12	M27X2	46,0	55,0	33,0	32,0
1211628	R1A25ML52Q-1633	1"	1 5/16-12	M33X1.5	46,0	55,0	33,0	41,0
1211629	R1A25ML52Q-2042	1"1/4	1 5/8-12	M42X2	52,0	60,0	41,0	50,0
1211630	R1A25ML52Q-2448	1"1/2	1 7/8-12	M48X1.5	59,0	67,0	48,0	55,0

Dimensions shown may be changed without prior notice

// SAE UNF

// R1A25M1305

Straight connector JIC Male - SAE UNF/UN Male with O-Ring

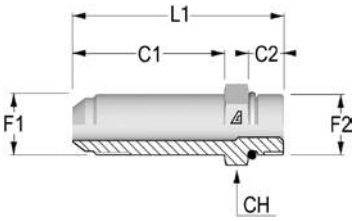


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1207370	R1A25M1305-0404	1/4"	7/16-20	7/16-20	14,0	9,0	14,0	31,0
1207371	R1A25M1305-0405	1/4"	7/16-20	1/2-20	14,0	9,0	16,0	31,0
1207630	R1A25M1305-0406	1/4"	7/16-20	9/16-18	14,0	10,0	17,0	32,5
1207372	R1A25M1305-0505	5/16"	1/2-20	1/2-20	14,0	9,0	17,0	31,0
1208278	R1A25M1305-0604	3/8"	9/16-18	7/16-20	14,0	9,0	17,0	32,0
1216397	R1A25M1305-0605	3/8"	9/16-18	1/2-20	14,0	9,0	17,0	32,5
1207373	R1A25M1305-0606	3/8"	9/16-18	9/16-18	14,0	10,0	17,0	33,0
1207374	R1A25M1305-0608	3/8"	9/16-18	3/4-16	14,0	11,0	22,0	35,0
1207375	R1A25M1305-0808	1/2"	3/4-16	3/4-16	16,5	11,0	22,0	38,0
1207376	R1A25M1305-0810	1/2"	3/4-16	7/8-14	16,5	12,5	27,0	40,5
1207631	R1A25M1305-0812	1/2"	3/4-16	1 1/16-12	16,5	15,0	32,0	44,5
1207632	R1A25M1305-1008	5/8"	7/8-14	3/4-16	19,5	14,3	27,0	41,5
1207377	R1A25M1305-1010	5/8"	7/8-14	7/8-14	19,5	12,5	27,0	43,0
1207633	R1A25M1305-1012	5/8"	7/8-14	1 1/16-12	19,5	15,0	32,0	47,0
1207378	R1A25M1305-1208	3/4"	1 1/16-12	3/4-16	22,0	14,3	27,0	48,5
1207379	R1A25M1305-1210	3/4"	1 1/16-12	7/8-14	22,0	12,5	27,0	47,5
1207380	R1A25M1305-1212	3/4"	1 1/16-12	1 1/16-12	22,0	15,0	32,0	50,0
1207381	R1A25M1305-1216	3/4"	1 1/16-12	1 5/16-12	22,0	15,0	38,0	50,5
1216398	R1A25M1305-1414	7/8"	1 3/16-12	1 3/16-12	22,5	15,0	36,0	50,5
1207382	R1A25M1305-1612	1"	1 5/16-12	1 1/16-12	23,0	18,3	36,0	50,5
1207383	R1A25M1305-1616	1"	1 5/16-12	1 5/16-12	23,0	15,0	38,0	52,0
1207634	R1A25M1305-1620	1"	1 5/16-12	1 5/8-12	23,0	15,0	46,0	54,0
1205938	R1A25M1305-2016	1"1/4	1 5/8-12	1 5/16-12	24,5	19,1	46,0	55,5
1207384	R1A25M1305-2020	1"1/4	1 5/8-12	1 5/8-12	24,5	15,0	46,0	55,0
1207385	R1A25M1305-2424	1"1/2	1 7/8-12	1 7/8-12	27,5	15,0	55,0	60,5

Dimensions shown may be changed without prior notice

// R1A25M130J

Long connector JIC Male - SAE UNF/UN Male with O-Ring

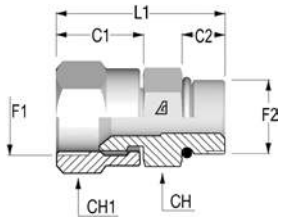


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1212883	R1A25M130J-0404	1/4"	7/16-20	7/16-20	35,0	9,0	17,0	52,5
1212884	R1A25M130J-0405	1/4"	7/16-20	1/2-20	35,0	9,0	17,0	52,5
1212885	R1A25M130J-0406	1/4"	7/16-20	9/16-18	35,0	10,0	19,0	54,5
1212886	R1A25M130J-0505	5/16"	1/2-20	1/2-20	37,0	9,0	16,0	54,5
1212888	R1A25M130J-0606	3/8"	9/16-18	9/16-18	39,0	10,0	19,0	58,5
1212889	R1A25M130J-0608	3/8"	9/16-18	3/4-16	39,0	11,0	24,0	60,0
1212890	R1A25M130J-0808	1/2"	3/4-16	3/4-16	48,0	11,0	24,0	68,5
1212891	R1A25M130J-0810	1/2"	3/4-16	7/8-14	48,0	12,5	27,0	71,5
1212892	R1A25M130J-0812	1/2"	3/4-16	1 1/16-12	48,0	15,0	32,0	71,5
1212893	R1A25M130J-1008	5/8"	7/8-14	3/4-16	53,0	11,0	27,0	75,5
1212894	R1A25M130J-1010	5/8"	7/8-14	7/8-14	53,0	12,5	27,0	77,0
1212895	R1A25M130J-1012	5/8"	7/8-14	1 1/16-12	53,0	15,0	32,0	81,5
1212898	R1A25M130J-1212	3/4"	1 1/16-12	1 1/16-12	63,0	15,0	32,0	91,5
1212899	R1A25M130J-1216	3/4"	1 1/16-12	1 5/16-12	63,0	15,0	41,0	92,5
1216400	R1A25M130J-1414	7/8"	1 3/16-12	1 3/16-12	68,0	15,0	36,0	96,5
1212900	R1A25M130J-1612	1"	1 5/16-12	1 1/16-12	72,0	15,0	41,0	100,0
1212901	R1A25M130J-1616	1"	1 5/16-12	1 5/16-12	72,0	15,0	41,0	101,0
1212903	R1A25M130J-2020	1"1/4	1 5/8-12	1 5/8-12	88,0	15,0	50,0	119,0
1212904	R1A25M130J-2424	1"1/2	1 7/8-12	1 7/8-12	98,0	15,0	55,0	131,0

Dimensions shown may be changed without prior notice

// R1A2511305

Straight connector JIC Female - SAE UNF/UN Male with O-Ring

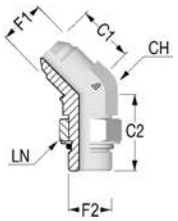


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	CH1	L
		in			mm	mm	mm	mm	mm
1207435	R1A2511305-0404	1/4"	7/16-20	7/16-20	17,0	9,0	14,0	16,0	34,0
1213175	R1A2511305-0405	1/4"	7/16-20	1/2-20	17,0	9,0	16,0	16,0	34,0
1213176	R1A2511305-0406	1/4"	7/16-20	9/16-18	17,0	10,0	17,0	16,0	35,0
1207436	R1A2511305-0505	5/16"	1/2-20	1/2-20	18,5	9,0	17,0	17,0	35,5
1207437	R1A2511305-0606	3/8"	9/16-18	9/16-18	18,5	10,0	17,0	19,0	36,5
1213177	R1A2511305-0608	3/8"	9/16-18	3/4-16	18,5	11,0	22,0	19,0	39,5
1207438	R1A2511305-0808	1/2"	3/4-16	3/4-16	22,2	11,0	22,0	25,0	43,2
1213178	R1A2511305-0810	1/2"	3/4-16	7/8-14	22,2	12,5	27,0	27,0	46,2
1213179	R1A2511305-0812	1/2"	3/4-16	1 1/16-12	22,2	15,0	32,0	25,0	49,2
1213180	R1A2511305-1008	5/8"	7/8-14	3/4-16	25,2	11,0	22,0	27,0	46,2
1207439	R1A2511305-1010	5/8"	7/8-14	7/8-14	25,2	12,5	27,0	27,0	49,2
1213181	R1A2511305-1012	5/8"	7/8-14	1 1/16-12	25,2	15,0	32,0	27,0	52,2
1213183	R1A2511305-1210	3/4"	1 1/16-12	7/8-14	27,3	12,5	27,0	32,0	51,3
1207440	R1A2511305-1212	3/4"	1 1/16-12	1 1/16-12	27,3	15,0	32,0	32,0	54,3
1213184	R1A2511305-1216	3/4"	1 1/16-12	1 5/16-12	27,3	15,0	38,0	32,0	54,3
1216346	R1A2511305-1414	7/8"	1 3/16-12	1 3/16-12	27,0	15,0	36,0	36,0	54,0
1213185	R1A2511305-1612	1"	1 5/16-12	1 1/16-12	29,6	15,0	32,0	38,0	56,6
1207441	R1A2511305-1616	1"	1 5/16-12	1 5/16-12	29,6	15,0	41,0	38,0	56,6
1213208	R1A2521305-2424	1"1/2	1 7/8-12	1 7/8-12	18,4	15,0	50,0	55,0	67,0

Dimensions shown may be changed without prior notice

// R1A25M4305

45° adjustable elbow connector JIC Male - SAE UNF/UN Male with O-Ring

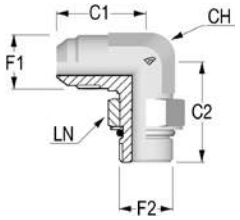


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1212979	R1A25M4305-0405	1/4"	7/16-20	1/2-20	21,0	26,5	14,0	19,0
1207335	R1A25M4305-0505	5/16"	1/2-20	1/2-20	21,0	26,5	14,0	19,0
1207336	R1A25M4305-0606	3/8"	9/16-18	9/16-18	19,5	26,5	14,0	22,0
1212980	R1A25M4305-0608	3/8"	9/16-18	3/4-16	22,5	38,0	19,0	24,0
1207337	R1A25M4305-0808	1/2"	3/4-16	3/4-16	25,0	33,0	19,0	24,0
1212981	R1A25M4305-0810	1/2"	3/4-16	7/8-14	27,5	42,5	22,0	30,0
1212982	R1A25M4305-1008	5/8"	7/8-14	3/4-16	28,0	37,0	22,0	24,0
1207338	R1A25M4305-1010	5/8"	7/8-14	7/8-14	28,0	38,5	22,0	30,0
1216413	R1A25M4305-1012	5/8"	7/8-14	1 1/16-12	28,5	44,0	27,0	36,0
1212983	R1A25M4305-1208	3/4"	1 1/16-12	3/4-16	32,5	37,5	27,0	24,0
1211710	R1A25M4305-1210	3/4"	1 1/16-12	7/8-14	32,5	40,5	27,0	27,0
1207339	R1A25M4305-1212	3/4"	1 1/16-12	1 1/16-12	32,5	44,0	27,0	36,0
1212984	R1A25M4305-1216	3/4"	1 1/16-12	1 5/16-12	32,5	47,0	33,0	41,0
1212985	R1A25M4305-1414	7/8"	1 3/16-12	1 3/16-12	37,0	47,0	33,0	38,0
1212986	R1A25M4305-1612	1"	1 5/16-12	1 1/16-12	37,5	44,0	33,0	36,0
1207340	R1A25M4305-1616	1"	1 5/16-12	1 5/16-12	37,5	47,0	33,0	41,0
1212987	R1A25M4305-1620	1"	1 5/16-12	1 5/8-12	40,0	48,5	41,0	50,0
1211711	R1A25M4305-2020	1"1/4	1 5/8-12	1 5/8-12	40,5	48,5	41,0	50,0
1211712	R1A25M4305-2424	1"1/2	1 7/8-12	1 7/8-12	45,0	48,5	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A25M9305

90° adjustable elbow connector JIC Male - SAE UNF/UN Male with O-Ring

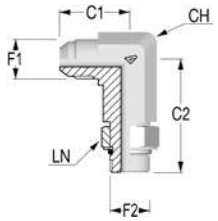


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1207256	R1A25M9305-0404	1/4"	7/16-20	7/16-20	22,5	26,0	12,0	17,0
1207640	R1A25M9305-0405	1/4"	7/16-20	1/2-20	24,0	27,5	14,0	17,0
1213077	R1A25M9305-0406	1/4"	7/16-20	9/16-18	27,0	31,5	14,0	19,0
1207257	R1A25M9305-0505	5/16"	1/2-20	1/2-20	24,0	27,5	14,0	17,0
1207258	R1A25M9305-0606	3/8"	9/16-18	9/16-18	27,0	31,5	14,0	19,0
1207641	R1A25M9305-0608	3/8"	9/16-18	3/4-16	28,5	36,5	19,0	24,0
1216429	R1A25M9305-0610	3/8"	9/16-18	7/8-14	31,0	43,5	22,0	27,0
1207259	R1A25M9305-0808	1/2"	3/4-16	3/4-16	31,5	36,5	19,0	24,0
1207642	R1A25M9305-0810	1/2"	3/4-16	7/8-14	34,0	43,0	22,0	27,0
1213079	R1A25M9305-0812	1/2"	3/4-16	1 1/16-12	37,0	49,0	27,0	32,0
1207643	R1A25M9305-1008	5/8"	7/8-14	3/4-16	36,5	39,5	22,0	24,0
1207260	R1A25M9305-1010	5/8"	7/8-14	7/8-14	36,5	43,0	22,0	27,0
1213080	R1A25M9305-1012	5/8"	7/8-14	1 1/16-12	39,5	49,0	27,0	32,0
1213081	R1A25M9305-1208	3/4"	1 1/16-12	3/4-16	42,0	42,0	27,0	22,0
1207261	R1A25M9305-1210	3/4"	1 1/16-12	7/8-14	42,0	45,5	27,0	27,0
1207262	R1A25M9305-1212	3/4"	1 1/16-12	1 1/16-12	42,0	49,0	27,0	32,0
1213082	R1A25M9305-1216	3/4"	1 1/16-12	1 5/16-12	44,5	52,0	33,0	41,0
1213083	R1A25M9305-1414	7/8"	1 3/16-12	1 3/16-12	44,0	50,5	33,0	41,0
1207263	R1A25M9305-1612	1"	1 5/16-12	1 1/16-12	46,0	52,0	33,0	32,0
1207264	R1A25M9305-1616	1"	1 5/16-12	1 5/16-12	46,0	54,0	33,0	41,0
1213084	R1A25M9305-1620	1"	1 5/16-12	1 5/8-12	51,0	57,0	41,0	50,0
1207265	R1A25M9305-2020	1"1/4	1 5/8-12	1 5/8-12	52,0	57,0	41,0	50,0
1211738	R1A25M9305-2424	1"1/2	1 7/8-12	1 7/8-12	59,0	61,0	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A25M930J

90° adjustable long elbow connector JIC Male - SAE UNF/UN Male with O-Ring

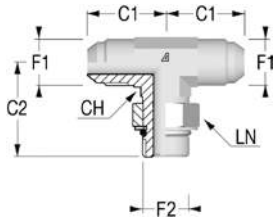


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1213056	R1A25M930J-0404	1/4"	7/16-20	7/16-20	23,5	46,0	14,0	17,0
1213057	R1A25M930J-0405	1/4"	7/16-20	1/2-20	24,0	49,5	14,0	17,0
1213058	R1A25M930J-0406	1/4"	7/16-20	9/16-18	27,0	56,5	17,0	19,0
1213059	R1A25M930J-0505	5/16"	1/2-20	1/2-20	24,0	49,5	14,0	17,0
1213060	R1A25M930J-0606	3/8"	9/16-18	9/16-18	27,0	56,5	17,0	19,0
1213061	R1A25M930J-0608	3/8"	9/16-18	3/4-16	28,5	67,0	22,0	24,0
1213062	R1A25M930J-0808	1/2"	3/4-16	3/4-16	31,5	67,0	22,0	24,0
1213063	R1A25M930J-0810	1/2"	3/4-16	7/8-14	34,0	78,0	22,0	27,0
1213064	R1A25M930J-0812	1/2"	3/4-16	1 1/16-12	37,0	92,0	27,0	32,0
1213065	R1A25M930J-1008	5/8"	7/8-14	3/4-16	36,5	75,0	22,0	24,0
1213066	R1A25M930J-1010	5/8"	7/8-14	7/8-14	36,5	78,0	22,0	27,0
1213067	R1A25M930J-1012	5/8"	7/8-14	1 1/16-12	39,5	92,0	27,0	32,0
1213068	R1A25M930J-1208	3/4"	1 1/16-12	3/4-16	42,0	85,0	27,0	24,0
1213069	R1A25M930J-1210	3/4"	1 1/16-12	7/8-14	44,6	88,0	27,0	27,0
1213070	R1A25M930J-1212	3/4"	1 1/16-12	1 1/16-12	42,0	92,0	27,0	32,0
1213071	R1A25M930J-1216	3/4"	1 1/16-12	1 5/16-12	44,5	105,0	33,0	41,0
1216431	R1A25M930J-1414	7/8"	1 3/16-12	1 3/16-12	44,0	92,0	33,0	41,0
1213072	R1A25M930J-1612	1"	1 5/16-12	1 1/16-12	46,0	105,0	33,0	32,0
1213073	R1A25M930J-1616	1"	1 5/16-12	1 5/16-12	46,0	105,0	33,0	41,0
1213074	R1A25M930J-1620	1"	1 5/16-12	1 5/8-12	51,0	124,0	41,0	50,0
1213075	R1A25M930J-2020	1"1/4	1 5/8-12	1 5/8-12	52,0	124,0	41,0	50,0
1213076	R1A25M930J-2424	1"1/2	1 7/8-12	1 7/8-12	59,0	135,0	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A25MT305

Branch Tee adjustable elbow connector JIC Male - SAE UNF/UN Male with O-Ring

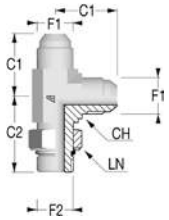


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1210702	R1A25MT305-0404	1/4"	7/16-20	7/16-20	22,5	26,0	12,0	16,0
1212777	R1A25MT305-0405	1/4"	7/16-20	1/2-20	24,0	27,5	14,0	17,0
1212778	R1A25MT305-0406	1/4"	7/16-20	9/16-18	27,0	31,5	14,0	19,0
1210703	R1A25MT305-0505	5/16"	1/2-20	1/2-20	24,0	27,5	14,0	17,0
1207321	R1A25MT305-0606	3/8"	9/16-18	9/16-18	27,0	31,5	14,0	19,0
1212779	R1A25MT305-0608	3/8"	9/16-18	3/4-16	28,5	36,5	19,0	24,0
1207322	R1A25MT305-0808	1/2"	3/4-16	3/4-16	31,5	36,5	19,0	24,0
1212780	R1A25MT305-0810	1/2"	3/4-16	7/8-14	34,0	43,0	22,0	27,0
1212781	R1A25MT305-0812	1/2"	3/4-16	1 1/16-12	37,0	49,0	27,0	32,0
1212782	R1A25MT305-1008	5/8"	7/8-14	3/4-16	36,5	39,5	22,0	24,0
1207323	R1A25MT305-1010	5/8"	7/8-14	7/8-14	36,5	43,0	22,0	27,0
1212783	R1A25MT305-1012	5/8"	7/8-14	1 1/16-12	36,5	49,0	22,0	32,0
1212784	R1A25MT305-1208	3/4"	1 1/16-12	3/4-16	42,0	42,0	27,0	24,0
1212785	R1A25MT305-1210	3/4"	1 1/16-12	7/8-14	42,0	45,5	27,0	27,0
1210704	R1A25MT305-1212	3/4"	1 1/16-12	1 1/16-12	42,0	49,0	27,0	32,0
1212786	R1A25MT305-1216	3/4"	1 1/16-12	1 5/16-12	44,5	52,0	33,0	41,0
1216491	R1A25MT305-1414	7/8"	1 3/16-12	1 3/16-12	44,0	50,5	33,0	38,0
1212787	R1A25MT305-1612	1"	1 5/16-12	1 1/16-12	46,0	52,0	33,0	32,0
1210705	R1A25MT305-1616	1"	1 5/16-12	1 5/16-12	46,0	54,6	33,0	41,0
1212788	R1A25MT305-1620	1"	1 5/16-12	1 5/8-12	51,0	57,0	41,0	50,0
1212789	R1A25MT305-2020	1"1/4	1 5/8-12	1 5/8-12	52,0	57,0	41,0	50,0
1212790	R1A25MT305-2424	1"1/2	1 7/8-12	1 7/8-12	59,0	61,0	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A25ML305

Run Tee adjustable elbow connector JIC Male - SAE UNF/UN Male with O-Ring



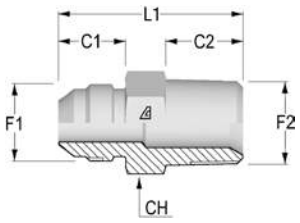
Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1210695	R1A25ML305-0404	1/4"	7/16-20	7/16-20	22,5	26,0	12,0	17,0
1212716	R1A25ML305-0405	1/4"	7/16-20	1/2-20	24,0	27,5	14,0	17,0
1212717	R1A25ML305-0406	1/4"	7/16-20	9/16-18	27,0	31,5	14,0	22,0
1210696	R1A25ML305-0505	5/16"	1/2-20	1/2-20	24,0	27,5	14,0	19,0
1207300	R1A25ML305-0606	3/8"	9/16-18	9/16-18	27,0	31,5	14,0	22,0
1212718	R1A25ML305-0608	3/8"	9/16-18	3/4-16	28,5	36,5	19,0	24,0
1210697	R1A25ML305-0808	1/2"	3/4-16	3/4-16	31,5	36,5	19,0	24,0
1212719	R1A25ML305-0810	1/2"	3/4-16	7/8-14	34,0	43,0	22,0	30,0
1212720	R1A25ML305-0812	1/2"	3/4-16	1 1/16-12	37,0	49,0	27,0	32,0
1212721	R1A25ML305-1008	5/8"	7/8-14	3/4-16	36,5	39,5	22,0	24,0
1210698	R1A25ML305-1010	5/8"	7/8-14	7/8-14	36,5	39,5	22,0	24,0
1212722	R1A25ML305-1012	5/8"	7/8-14	1 1/16-12	39,5	49,0	27,0	32,0
1212723	R1A25ML305-1208	3/4"	1 1/16-12	3/4-16	42,0	42,0	27,0	24,0
1212724	R1A25ML305-1210	3/4"	1 1/16-12	7/8-14	42,0	45,5	27,0	27,0
1207301	R1A25ML305-1212	3/4"	1 1/16-12	1 1/16-12	42,0	49,0	27,0	32,0
1212725	R1A25ML305-1216	3/4"	1 1/16-12	1 5/16-12	44,5	52,0	33,0	41,0
1211624	R1A25ML305-1616	1"	1 5/16-12	1 5/16-12	46,0	54,6	33,0	41,0
1212727	R1A25ML305-1620	1"	1 5/16-12	1 5/8-12	51,0	57,0	41,0	50,0
1211625	R1A25ML305-2020	1"1/4	1 5/8-12	1 5/8-12	52,0	57,0	41,0	50,0
1212728	R1A25ML305-2424	1"1/2	1 7/8-12	1 7/8-12	59,0	61,0	48,0	55,0

Dimensions shown may be changed without prior notice

// NPTF

// R1A25M128M

Straight connector JIC - NPTF Male

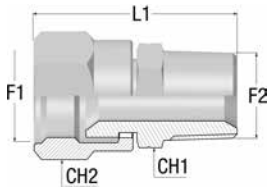


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1203679	R1A25M128M-0402	1/4"	7/16-20	1/8-27	14,0	10,0	14,0	31,0
1203678	R1A25M128M-0404	1/4"	7/16-20	1/4-18	14,0	14,5	14,0	36,0
1203621	R1A25M128M-0502	5/16"	1/2-20	1/8-27	14,0	10,0	14,0	31,0
1203620	R1A25M128M-0504	5/16"	1/2-20	1/4-18	14,0	14,5	14,0	36,0
1203704	R1A25M128M-0602	3/8"	9/16-18	1/8-27	14,0	10,0	17,0	32,0
1203703	R1A25M128M-0604	3/8"	9/16-18	1/4-18	14,0	14,5	17,0	36,5
1203705	R1A25M128M-0606	3/8"	9/16-18	3/8-18	14,0	14,5	19,0	36,5
1203702	R1A25M128M-0608	3/8"	9/16-18	1/2-14	14,0	18,0	22,0	43,0
1203659	R1A25M128M-0804	1/2"	3/4-16	1/4-18	16,5	14,5	19,0	39,0
1203661	R1A25M128M-0806	1/2"	3/4-16	3/8-18	16,5	14,5	19,0	39,0
1203658	R1A25M128M-0808	1/2"	3/4-16	1/2-14	16,5	18,0	22,0	44,5
1203660	R1A25M128M-0812	1/2"	3/4-16	3/4-14	16,5	19,0	27,0	47,0
1212881	R1A25M128M-1004	5/8"	7/8-14	1/4-18	19,5	14,5	24,0	43,0
1203691	R1A25M128M-1006	5/8"	7/8-14	3/8-18	19,5	14,5	24,0	43,5
1203689	R1A25M128M-1008	5/8"	7/8-14	1/2-14	19,5	18,0	24,0	47,0
1203690	R1A25M128M-1012	5/8"	7/8-14	3/4-14	19,5	19,0	27,0	49,5
1203608	R1A25M128M-1208	3/4"	1 1/16-12	1/2-14	22,0	18,0	27,0	51,5
1203609	R1A25M128M-1212	3/4"	1 1/16-12	3/4-14	22,0	19,0	27,0	52,5
1203607	R1A25M128M-1216	3/4"	1 1/16-12	1-11 1/2	22,0	24,0	36,0	57,0
1216396	R1A25M128M-1412	7/8"	1 3/16-12	3/4-14	22,5	19,0	30,0	53,0
1203633	R1A25M128M-1612	1"	1 5/16-12	3/4-14	23,0	19,0	36,0	53,5
1203631	R1A25M128M-1616	1"	1 5/16-12	1-11 1/2	23,0	24,0	36,0	58,5
1203642	R1A25M128M-2016	1"1/4	1 5/8-12	1-11 1/2	24,5	24,0	46,0	61,5
1203643	R1A25M128M-2020	1"1/4	1 5/8-12	1 1/4-11 1/2	24,5	25,0	46,0	62,5
1212882	R1A25M128M-2420	1"1/2	1 7/8-12	1 1/4-11 1/2	27,5	25,0	50,0	67,5
1203649	R1A25M128M-2424	1"1/2	1 7/8-12	1 1/2-11 1/2	27,5	25,5	50,0	68,0

Dimensions shown may be changed without prior notice

// R1A251128M

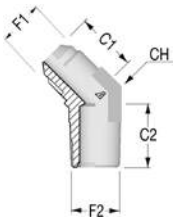
Straight connector JIC Female - NPTF Male



Item Code	Part Number	OD1	F1	F2	CH1	CH2	L
		in			mm	mm	mm
1210848	R1A251128M-0402	1/4"	7/16-20	1/8-27	16,0	14,0	34,2
1207618	R1A251128M-0404	1/4"	7/16-20	1/4-18	16,0	14,0	39,2
1213170	R1A251128M-0502	5/16"	1/2-20	1/8-27	17,0	14,0	35,0
1207619	R1A251128M-0504	5/16"	1/2-20	1/4-18	17,0	14,0	41,0
1213171	R1A251128M-0602	3/8"	9/16-18	1/8-27	19,0	14,0	36,5
1207620	R1A251128M-0604	3/8"	9/16-18	1/4-18	19,0	14,0	41,0
1207621	R1A251128M-0606	3/8"	9/16-18	3/8-18	19,0	19,0	41,5
1213173	R1A251128M-0804	1/2"	3/4-16	1/4-18	25,0	19,0	44,0
1207622	R1A251128M-0806	1/2"	3/4-16	3/8-18	25,0	19,0	43,2
1207624	R1A251128M-1008	5/8"	7/8-14	1/2-14	27,0	22,0	49,7
1213174	R1A251128M-1012	5/8"	7/8-14	3/4-14	27,0	27,0	52,5
1207625	R1A251128M-1208	3/4"	1 1/16-12	1/2-14	32,0	27,0	54,3
1207626	R1A251128M-1212	3/4"	1 1/16-12	3/4-14	32,0	27,0	55,3
1216345	R1A251128M-1412	7/8"	1 3/16-12	3/4-14	36,0	30,0	55,2
1207627	R1A251128M-1612	1"	1 5/16-12	3/4-14	38,0	32,0	58,6
1207628	R1A251128M-1616	1"	1 5/16-12	1-11 1/2	38,0	36,0	64,0
1213206	R1A252128M-2020	1"1/4	1 5/8-12	1 1/4-11 1/2	50,0	46,0	69,4

// R1A25M428M

45° elbow connector JIC - NPTF Male

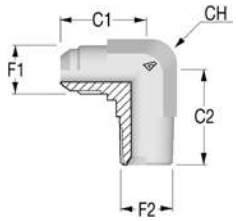


Item Code	Part Number	OD1	F1	F2	C1	C2	CH
		in			mm	mm	mm
1203920	R1A25M428M-0402	1/4"	7/16-20	1/8-27	19,0	16,0	12,0
1203919	R1A25M428M-0404	1/4"	7/16-20	1/4-18	21,0	21,5	14,0
1210674	R1A25M428M-0504	5/16"	1/2-20	1/4-18	21,0	21,5	14,0
1203925	R1A25M428M-0604	3/8"	9/16-18	1/4-18	21,0	21,5	14,0
1203927	R1A25M428M-0606	3/8"	9/16-18	3/8-18	22,0	24,0	19,0
1203916	R1A25M428M-0806	1/2"	3/4-16	3/8-18	25,0	24,0	19,0
1203915	R1A25M428M-0808	1/2"	3/4-16	1/2-14	25,5	29,5	22,0
1212975	R1A25M428M-1006	5/8"	7/8-14	3/8-18	28,0	24,5	22,0
1203923	R1A25M428M-1008	5/8"	7/8-14	1/2-14	28,0	29,0	22,0
1212976	R1A25M428M-1012	5/8"	7/8-14	3/4-14	30,0	30,5	27,0
1203907	R1A25M428M-1208	3/4"	1 1/16-12	1/2-14	32,5	30,5	27,0
1203908	R1A25M428M-1212	3/4"	1 1/16-12	3/4-14	32,5	30,5	27,0
1203913	R1A25M428M-1616	1"	1 5/16-12	1-11 1/2	37,0	37,5	33,0

Dimensions shown may be changed without prior notice

// R1A25M928M

90° elbow connector JIC - NPTF Male



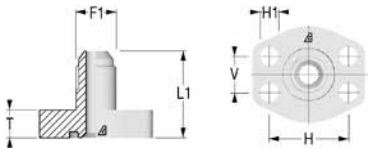
Item Code	Part Number	OD1	F1	F2	C1	C2	CH
		in			mm	mm	mm
1203872	R1A25M928M-0402	1/4"	7/16-20	1/8-27	22,5	19,5	12,0
1203871	R1A25M928M-0404	1/4"	7/16-20	1/4-18	27,0	27,5	14,0
1203838	R1A25M928M-0502	5/16"	1/2-20	1/8-27	24,0	19,5	14,0
1203837	R1A25M928M-0504	5/16"	1/2-20	1/4-18	26,5	27,5	14,0
1203889	R1A25M928M-0604	3/8"	9/16-18	1/4-18	27,0	27,5	14,0
1203891	R1A25M928M-0606	3/8"	9/16-18	3/8-18	28,5	31,0	19,0
1203888	R1A25M928M-0608	3/8"	9/16-18	1/2-14	31,0	37,0	22,0
1203861	R1A25M928M-0806	1/2"	3/4-16	3/8-18	31,5	31,0	19,0
1203858	R1A25M928M-0808	1/2"	3/4-16	1/2-14	34,0	37,5	22,0
1203860	R1A25M928M-0812	1/2"	3/4-16	3/4-14	37,0	40,5	27,0
1203878	R1A25M928M-1008	5/8"	7/8-14	1/2-14	36,5	37,0	22,0
1203879	R1A25M928M-1012	5/8"	7/8-14	3/4-14	39,5	40,5	27,0
1203831	R1A25M928M-1208	3/4"	1 1/16-12	1/2-14	42,0	40,5	27,0
1203832	R1A25M928M-1212	3/4"	1 1/16-12	3/4-14	42,0	40,5	27,0
1203843	R1A25M928M-1616	1"	1 5/16-12	1-11 1/2	46,0	50,0	33,0
1203851	R1A25M928M-2016	1"1/4	1 5/8-12	1-11 1/2	52,0	59,0	41,0
1203852	R1A25M928M-2020	1"1/4	1 5/8-12	1 1/4-11 1/2	52,0	60,0	41,0

Dimensions shown may be changed without prior notice

// FLANGES

// R1A25M133W

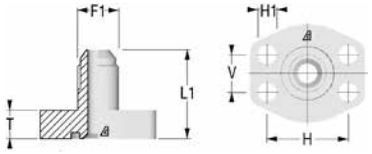
Straight flange SAE J518 code 61 - JIC - Low pressure



Item Code	Part Number	OD1	F1	Flange Size	L	T	H	V	H1
		in			mm	mm	mm	mm	mm
1212906	R1A25M133W-0808	1/2"	3/4-16	1/2	41,0	14,0	38,1	17,5	9,0
1212907	R1A25M133W-1008	5/8"	7/8-14	1/2	44,0	14,0	38,1	17,5	9,0
1212908	R1A25M133W-1012	5/8"	7/8-14	3/4	47,0	15,0	47,6	22,2	11,0
1212909	R1A25M133W-1208	3/4"	1 1/16-12	1/2	46,0	14,0	38,1	17,5	9,0
1212910	R1A25M133W-1212	3/4"	1 1/16-12	3/4	49,0	15,0	47,6	22,2	11,0
1212911	R1A25M133W-1216	3/4"	1 1/16-12	1	51,0	17,0	52,4	26,2	11,0
1212912	R1A25M133W-1612	1"	1 5/16-12	3/4	50,0	15,0	47,6	22,2	11,0
1212913	R1A25M133W-1616	1"	1 5/16-12	1	52,0	17,0	52,4	26,2	11,0
1212914	R1A25M133W-1620	1"	1 5/16-12	3/4	56,0	21,0	58,7	30,2	11,5
1212915	R1A25M133W-2016	1"1/4	1 5/8-12	1	54,0	17,0	52,4	26,2	11,0
1212916	R1A25M133W-2020	1"1/4	1 5/8-12	1 1/4	58,0	21,0	58,4	30,2	11,5
1212917	R1A25M133W-2024	1"1/4	1 5/8-12	1	64,0	24,0	69,9	35,7	13,5
1212918	R1A25M133W-2420	1"1/2	1 7/8-12	1 1/4	61,0	21,0	58,4	30,2	11,5
1212919	R1A25M133W-2424	1"1/2	1 7/8-12	1 1/2	67,0	24,0	69,9	35,7	13,5

// R1A25M136W

Straight flange SAE J518 code 62 - JIC - High pressure

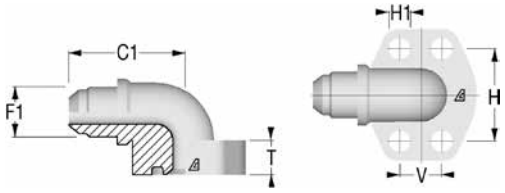


Item Code	Part Number	OD1	F1	Flange Size	L	T	H	V	H1
		in			mm	mm	mm	mm	mm
1212920	R1A25M136W-0808	1/2"	3/4-16	1/2	42,0	15,0	40,5	18,2	9,0
1212921	R1A25M136W-1008	5/8"	7/8-14	1/2	45,0	15,0	40,5	18,2	9,0
1212922	R1A25M136W-1012	5/8"	7/8-14	3/4	49,0	17,0	50,8	23,8	11,0
1212923	R1A25M136W-1208	3/4"	1 1/16-12	1/2	47,0	15,0	40,5	18,2	9,0
1212924	R1A25M136W-1212	3/4"	1 1/16-12	3/4	51,0	17,0	50,8	23,8	11,0
1212925	R1A25M136W-1216	3/4"	1 1/16-12	1	58,0	21,0	57,2	27,8	13,0
1212926	R1A25M136W-1612	1"	1 5/16-12	3/4	52,0	17,0	50,8	23,8	11,0
1212927	R1A25M136W-1616	1"	1 5/16-12	1	59,0	21,0	57,2	27,8	13,0
1212928	R1A25M136W-1620	1"	1 5/16-12	1 1/4	64,0	24,0	66,7	31,8	15,0
1212929	R1A25M136W-2016	1"1/4	1 5/8-12	1	61,0	21,0	57,2	27,8	13,0
1212930	R1A25M136W-2020	1"1/4	1 5/8-12	1 1/4	66,0	24,0	66,7	31,8	15,0
1212931	R1A25M136W-2024	1"1/4	1 5/8-12	1 1/2	70,0	27,0	79,4	36,5	17,0
1212932	R1A25M136W-2420	1"1/2	1 7/8-12	1 1/4	69,0	24,0	66,7	31,8	15,0
1212933	R1A25M136W-2424	1"1/2	1 7/8-12	1 1/2	73,0	27,0	79,4	36,5	17,0

Dimensions shown may be changed without prior notice

// R1A25M933W

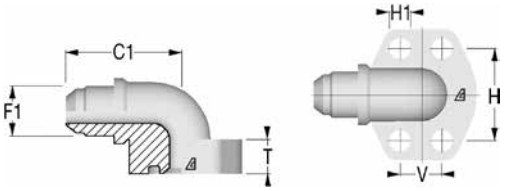
90° flange SAE J518 code 61 - JIC - Low pressure



Item Code	Part Number	OD1	F1	Flange size	C1	T	H	V	H1
		in			mm	mm	mm	mm	mm
1213085	R1A25M933W-0808	1/2"	3/4-16	1/2	40,0	17,0	38,1	17,5	9,0
1213086	R1A25M933W-1008	5/8"	7/8-14	1/2	42,0	17,0	38,1	17,5	9,0
1213087	R1A25M933W-1012	5/8"	7/8-14	3/4	45,0	20,0	47,6	22,2	11,0
1213088	R1A25M933W-1208	3/4"	1 1/16-12	1/2	42,0	20,0	38,1	17,5	9,0
1213089	R1A25M933W-1212	3/4"	1 1/16-12	3/4	47,0	20,0	47,6	22,2	11,0
1213090	R1A25M933W-1216	3/4"	1 1/16-12	1	50,0	20,0	52,4	26,2	11,0
1213091	R1A25M933W-1612	1"	1 5/16-12	3/4	48,0	25,0	47,6	22,2	11,0
1213092	R1A25M933W-1616	1"	1 5/16-12	1	51,0	25,0	52,4	26,2	11,0
1213093	R1A25M933W-1620	1"	1 5/16-12	1 1/4	56,0	25,0	58,7	30,2	11,5
1213094	R1A25M933W-2016	1"1/4	1 5/8-12	1	53,0	31,0	52,4	26,2	11,0
1213095	R1A25M933W-2020	1"1/4	1 5/8-12	1 1/4	58,0	31,0	58,4	30,2	11,5
1213096	R1A25M933W-2024	1"1/4	1 5/8-12	1 1/2	63,0	31,0	69,9	35,7	13,5
1213097	R1A25M933W-2420	1"1/2	1 7/8-12	1 1/4	58,0	37,0	58,4	30,2	11,5
1213098	R1A25M933W-2424	1"1/2	1 7/8-12	1 1/2	66,0	37,0	69,9	35,7	13,5

// R1A25M936W

90° flange SAE J518 code 62 - JIC - High pressure

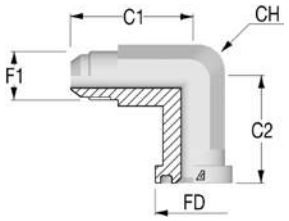


Item Code	Part Number	OD1	F1	Flange size	C1	T	H	V	H1
		in			mm	mm	mm	mm	mm
1213111	R1A25M936W-0808	1/2"	3/4-16	1/2	40,0	17,0	40,5	18,2	9,0
1213112	R1A25M936W-1008	5/8"	7/8-14	1/2	42,0	17,0	40,5	18,2	9,0
1213113	R1A25M936W-1012	5/8"	7/8-14	3/4	49,0	20,0	50,8	23,8	11,0
1213114	R1A25M936W-1208	3/4"	1 1/16-12	1/2	42,0	20,0	40,5	18,2	9,0
1213115	R1A25M936W-1212	3/4"	1 1/16-12	3/4	51,0	20,0	50,8	23,8	11,0
1213116	R1A25M936W-1216	3/4"	1 1/16-12	1	55,0	25,0	57,2	27,8	13,0
1213117	R1A25M936W-1612	1"	1 5/16-12	3/4	52,0	25,0	50,8	23,8	11,0
1213118	R1A25M936W-1616	1"	1 5/16-12	1	56,0	25,0	57,2	27,8	13,0
1213119	R1A25M936W-1620	1"	1 5/16-12	1 1/4	56,0	31,0	66,7	31,8	15,0
1213120	R1A25M936W-2016	1"1/4	1 5/8-12	1	58,0	31,0	57,2	27,8	13,0
1213121	R1A25M936W-2020	1"1/4	1 5/8-12	1 1/4	63,0	31,0	66,7	31,8	15,0
1213122	R1A25M936W-2024	1"1/4	1 5/8-12	1 1/2	67,0	37,0	79,4	36,5	17,0
1213123	R1A25M936W-2420	1"1/2	1 7/8-12	1 1/4	63,0	37,0	66,7	31,8	15,0
1213124	R1A25M936W-2424	1"1/2	1 7/8-12	1 1/2	70,0	37,0	79,4	36,5	17,0

Dimensions shown may be changed without prior notice

// R1A25M9334

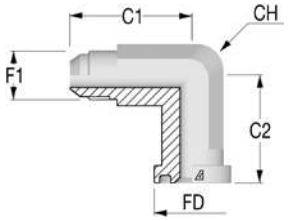
90° adjustable split flange SAE J518 code 61 - JIC - Low pressure



Item Code	Part Number	OD1	F1	Flange size	C1	C2	FD	CH
		in			mm	mm	mm	mm
1213099	R1A25M9334-0808	1/2"	3/4-16	1/2	48,0	42,0	30,2	22,0
1213100	R1A25M9334-1008	5/8"	7/8-14	1/2	50,0	44,0	30,2	22,0
1213101	R1A25M9334-1012	5/8"	7/8-14	3/4	64,0	53,0	38,1	22,0
1213102	R1A25M9334-1212	3/4"	1 1/16-12	3/4	64,0	53,0	38,1	27,0
1213103	R1A25M9334-1216	3/4"	1 1/16-12	1	65,0	60,0	44,5	27,0
1213104	R1A25M9334-1612	1"	1 5/16-12	3/4	64,0	53,0	38,1	34,0
1213105	R1A25M9334-1616	1"	1 5/16-12	1	65,0	60,0	44,5	34,0
1213106	R1A25M9334-1620	1"	1 5/16-12	1 1/4	64,0	55,0	50,8	34,0
1213107	R1A25M9334-2016	1"1/4	1 5/8-12	1	65,0	60,0	44,5	42,0
1213108	R1A25M9334-2020	1"1/4	1 5/8-12	1 1/4	64,0	55,0	50,8	42,0
1213109	R1A25M9334-2024	1"1/4	1 5/8-12	1 1/2	78,0	66,0	60,3	42,0
1213110	R1A25M9334-2424	1"1/2	1 7/8-12	1 1/2	78,0	66,0	60,3	50,0

// R1A25M9364

90° adjustable split flange SAE J518 code 62 - JIC - High pressure



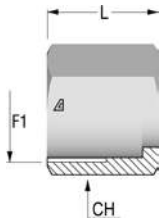
Item Code	Part Number	OD1	F1	Flange size	C1	C2	FD	CH
		in			mm	mm	mm	mm
1213125	R1A25M9364-0808	1/2"	3/4-16	1/2	49,0	43,0	31,8	22,0
1213126	R1A25M9364-1008	5/8"	7/8-14	1/2	50,0	44,0	31,8	22,0
1213127	R1A25M9364-1012	5/8"	7/8-14	3/4	64,0	53,0	41,3	22,0
1213128	R1A25M9364-1212	3/4"	1 1/16-12	3/4	64,0	53,0	41,3	27,0
1213129	R1A25M9364-1216	3/4"	1 1/16-12	1	65,0	60,0	47,6	27,0
1213130	R1A25M9364-1612	1"	1 5/16-12	3/4	64,0	53,0	41,3	34,0
1213131	R1A25M9364-1616	1"	1 5/16-12	1	65,0	60,0	47,6	34,0
1213132	R1A25M9364-1620	1"	1 5/16-12	1 1/4	64,0	55,0	54,0	34,0
1213133	R1A25M9364-2016	1"1/4	1 5/8-12	1	65,0	60,0	47,6	42,0
1213134	R1A25M9364-2020	1"1/4	1 5/8-12	1 1/4	64,0	55,0	54,0	42,0
1213135	R1A25M9364-2024	1"1/4	1 5/8-12	1 1/2	78,0	66,0	63,5	42,0
1213136	R1A25M9364-2424	1"1/2	1 7/8-12	1 1/2	78,0	66,0	63,5	50,0

Dimensions shown may be changed without prior notice

// ACCESSORIES

// RXA25D0000

Nut JIC



Item Code	Item Code	OD1	F1	CH	L
		mm		mm	mm
1208046	RXA25D0000-0400	6	7/16-20	14,0	15,80
1208047	RXA25D0000-0500	8	1/2-20	17,0	17,30
1207580	RXA25D0000-0600	10	9/16-18	19,0	18,80
1208048	RXA25D0000-0800	12	3/4-16	22,0	21,80
1208049	RXA25D0000-1000	14	7/8-14	27,0	25,10
1208050	RXA25D0000-1200	18	1 1/16-12	32,0	26,20
1203514	RXA25D0000-1220	20	1 1/16-12	32,0	26,20
1208051	RXA25D0000-1600	25	1 5/16-12	41,0	28,70
1208052	RXA25D0000-2000	30	1 5/8-12	50,0	31,20
1208053	RXA25D0000-2400	38	1 7/8-12	60,0	36,10

// R1A25R0000

Sleeve JIC

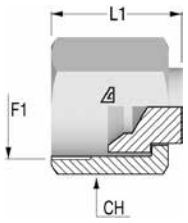
Item Code	Part Number	Head	OD1	L
		mm	mm	mm
1203725	R1A25R0000-0406	-0406	1/4"	10,5
1203719	R1A25R0000-0508	-0508	5/16"	11,0
1203729	R1A25R0000-0610	-0610	3/8"	12,5
1203724	R1A25R0000-0812	-0812	1/2"	14,0
1203726	R1A25R0000-1014	-1014	5/8"	17,0
1203727	R1A25R0000-1015	-1015	5/8"	17,0
1203728	R1A25R0000-1016	-1016	5/8"	17,0
1203717	R1A25R0000-1218	-1218	3/4"	17,5
1203718	R1A25R0000-1220	-1220	3/4"	17,5
1216495	R1A25R0000-1422	-1422	7/8"	19,5
1203720	R1A25R0000-1625	-1625	1"	20,0
1203721	R1A25R0000-2030	-2030	1"1/4	23,0
1203722	R1A25R0000-2032	-2032	1"1/4	23,0
1203723	R1A25R0000-2438	-2438	1"1/2	28,5

Dimensions shown may be changed without prior notice

// PLUG

// R1A2531000

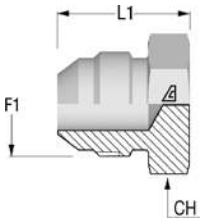
Cap JIC Female



Item Code	Part Number	OD1	F1	CH	L
		in		mm	mm
1207348	R1A2531000-0400	1/4"	7/16-20	14,0	17,0
1207349	R1A2531000-0500	5/16"	1/2-20	17,0	19,5
1207350	R1A2531000-0600	3/8"	9/16-18	19,0	20,5
1207351	R1A2531000-0800	1/2"	3/4-16	22,0	24,0
1207352	R1A2531000-1000	5/8"	7/8-14	27,0	27,0
1207353	R1A2531000-1200	3/4"	1 1/16-12	32,0	31,5
1213213	R1A2531000-1400	7/8"	1 3/16-12	36,0	32,0
1207354	R1A2531000-1600	1"	1 5/16-12	41,0	32,5
1207355	R1A2531000-2000	1"1/4	1 5/8-12	50,0	35,5
1207356	R1A2531000-2400	1"1/2	1 7/8-12	60,0	43,0

// R1A25M1000

Plug JIC Male



Item Code	Part Number	OD1	F1	CH	L
		in		mm	mm
1207449	R1A25M1000-0400	1/4"	7/16-20	12,0	20,5
1207450	R1A25M1000-0500	5/16"	1/2-20	14,0	20,5
1207451	R1A25M1000-0600	3/8"	9/16-18	14,0	21,5
1207452	R1A25M1000-0800	1/2"	3/4-16	22,0	24,0
1207453	R1A25M1000-1000	5/8"	7/8-14	24,0	28,0
1207454	R1A25M1000-1200	3/4"	1 1/16-12	30,0	32,5
1212825	R1A25M1000-1400	7/8"	1 3/16-12	33,0	33,0
1207455	R1A25M1000-1600	1"	1 5/16-12	36,0	34,0
1207456	R1A25M1000-2000	1"1/4	1 5/8-12	46,0	37,0
1207457	R1A25M1000-2400	1"1/2	1 7/8-12	50,0	42,0

// ORFS ADAPTERS

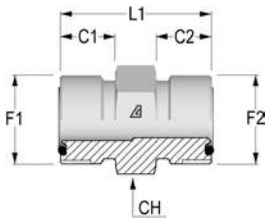
// MALE UNION 233
// MALE / FEMALE UNION 235
// BULKHEAD 237
// BSPP 240
// METRIC 245
// SAE UNF 250
// FLANGES 255
// ACCESSORIES 258
// PLUG 259

Dimensions shown may be changed without prior notice

// MALE UNION

// R1A2451245

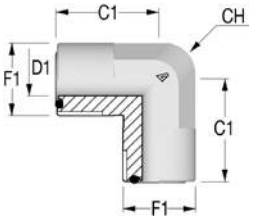
Straight union ORFS Male



Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1207586	R1A2451245-0404	1/4"	9/16-18	9/16-18	10,0	10,0	17,0	27,0
1208173	R1A2451245-0604	3/8"	11/16-16	9/16-18	11,0	10,0	19,0	30,0
1207587	R1A2451245-0606	3/8"	11/16-16	11/16-16	11,0	11,0	19,0	31,0
1208174	R1A2451245-0806	1/2"	13/16-16	11/16-16	13,0	11,0	22,0	33,5
1207579	R1A2451245-0808	1/2"	13/16-16	13/16-16	13,0	13,0	22,0	35,5
1208175	R1A2451245-1008	5/8"	1-14	13/16-16	15,5	13,0	27,0	40,0
1207588	R1A2451245-1010	5/8"	1-14	1-14	15,5	15,5	27,0	42,5
1208176	R1A2451245-1210	3/4"	1 3/16-12	1-14	17,0	15,5	32,0	45,5
1207589	R1A2451245-1212	3/4"	1 3/16-12	1 3/16-12	17,0	17,0	32,0	47,0
1208177	R1A2451245-1612	1"	1 7/16-12	13/16-16	17,5	17,0	41,0	49,5
1207590	R1A2451245-1616	1"	1 7/16-12	1 7/16-12	17,5	17,5	41,0	49,5
1208179	R1A2451245-2016	1"1/4	1 11/16-12	1 7/16-12	17,5	17,5	46,0	51,5
1208180	R1A2451245-2020	1"1/4	1 11/16-12	1 11/16-12	17,5	17,5	46,0	51,5
1211533	R1A2451245-2424	1"1/2	2-12	2-12	17,5	17,5	55,0	53,0

// R1A2459245

90° union ORFS Male

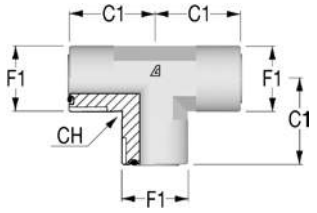


Item Code	Part Number	OD1	F1	C1	CH
		in		mm	mm
1207045	R1A2459245-0404	1/4"	9/16-18	21,5	14,0
1208128	R1A2459245-0606	3/8"	11/16-16	25,0	17,0
1207578	R1A2459245-0808	1/2"	13/16-16	28,0	19,0
1208129	R1A2459245-1010	5/8"	1-14	33,5	27,0
1208130	R1A2459245-1212	3/4"	1 3/16-12	37,5	27,0
1208131	R1A2459245-1616	1"	1 7/16-12	42,0	36,0
1208132	R1A2459245-2020	1"1/4	1 11/16-12	45,0	41,0
1211560	R1A2459245-2424	1"1/2	2-12	49,0	48,0

Dimensions shown may be changed without prior notice

// R1A245T245

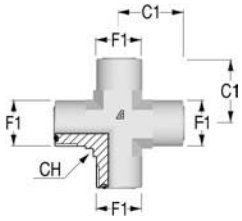
Branch Tee union ORFS Male



Item Code	Part Number	OD1	F1	C1	CH
		in		mm	mm
1207600	R1A245T245-0404	1/4"	9/16-18	21,5	14,0
1207601	R1A245T245-0606	3/8"	11/16-16	25,0	17,0
1207572	R1A245T245-0808	1/2"	13/16-16	28,0	19,0
1207571	R1A245T245-1010	5/8"	1-14	33,5	27,0
1208205	R1A245T245-1212	3/4"	1 3/16-12	37,5	27,0
1207602	R1A245T245-1616	1"	1 7/16-12	42,0	36,0
1208206	R1A245T245-2020	1"1/4	1 11/16-12	45,0	41,0
1211520	R1A245T245-2424	1"1/2	2-12	49,0	48,0

// R1A245X245

Cross union ORFS Male



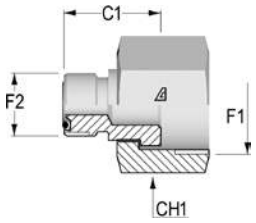
Item Code	Part Number	OD1	F1	C1	CH
		in		mm	mm
1212531	R1A245X245-0404	1/4"	9/16-18	21,5	14,0
1212532	R1A245X245-0606	3/8"	11/16-16	25,0	17,0
1212533	R1A245X245-0808	1/2"	13/16-16	28,0	19,0
1212534	R1A245X245-1010	5/8"	1-14	33,5	27,0
1212535	R1A245X245-1212	3/4"	1 3/16-12	37,5	27,0
1212536	R1A245X245-1616	1"	1 7/16-12	42,0	36,0
1212537	R1A245X245-2020	1"1/4	1 11/16-12	45,0	41,0
1212538	R1A245X245-2424	1"1/2	2-12	49,0	48,0

Dimensions shown may be changed without prior notice

// MALE / FEMALE UNION

// R1A2431245

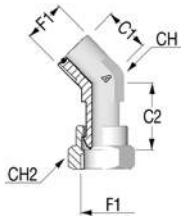
Straight union ORFS Female - ORFS Male



Item Code	Part Number	OD1	F1	F2	C1	CH1
		in			mm	mm
1212498	R1A2431245-0604	3/8"	11/16-16	9/16-18	19,5	22,0
1208210	R1A2431245-0804	1/2"	13/16-16	9/16-18	22,0	24,0
1208347	R1A2431245-0806	1/2"	13/16-16	11/16-16	23,0	24,0
1207033	R1A2431245-1004	5/8"	1-14	9/16-18	23,0	30,0
1212518	R1A2431245-1006	5/8"	1-14	11/16-16	24,0	30,0
1207660	R1A2431245-1008	5/8"	1-14	13/16-16	26,0	30,0
1212519	R1A2431245-1204	3/4"	1 3/16-12	9/16-18	25,0	36,0
1208211	R1A2431245-1206	3/4"	1 3/16-12	11/16-16	26,0	36,0
1208212	R1A2431245-1208	3/4"	1 3/16-12	13/16-16	28,0	36,0
1214621	R1A2431245-1210	3/4"	1 3/16-12	1-14	30,5	36,0
1208213	R1A2431245-1608	1"	1 7/16-12	13/16-16	29,5	41,0
1207661	R1A2431245-1610	1"	1 7/16-12	1-14	32,0	41,0
1212499	R1A2431245-1612	1"	1 7/16-12	1 3/16-12	33,5	41,0
1208214	R1A2431245-2012	1"1/4	1 11/16-12	13/16-16	33,5	50,0
1208037	R1A2431245-2016	1"1/4	1 11/16-12	1 7/16-12	38,5	50,0
1211497	R1A2431245-2416	1"1/2	2-12	1 7/16-12	34,0	60,0
1211498	R1A2431245-2420	1"1/2	2-12	1 11/16-12	34,0	60,0

// R1A2454241

45° union ORFS Male - ORFS Female

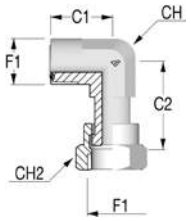


Item Code	Part Number	OD1	F1	C1	C2	CH	CH2
		in		mm	mm	mm	mm
1212613	R1A2454241-0404	1/4"	9/16-18	16,0	26,5	14,0	17,0
1212614	R1A2454241-0606	3/8"	11/16-16	19,0	25,0	17,0	22,0
1212615	R1A2454241-0808	1/2"	13/16-16	20,5	30,0	19,0	24,0
1212616	R1A2454241-1010	5/8"	1-14	23,5	36,0	27,0	30,0
1211542	R1A2454241-1212	3/4"	1 3/16-12	26,0	41,0	27,0	36,0
1212617	R1A2454241-1616	1"	1 7/16-12	30,0	45,0	36,0	41,0
1212618	R1A2454241-2020	1"1/4	1 11/16-12	32,0	45,0	41,0	50,0
1212619	R1A2454241-2424	1"1/2	2-12	32,0	47,5	48,0	60,0

Dimensions shown may be changed without prior notice

// R1A2459241

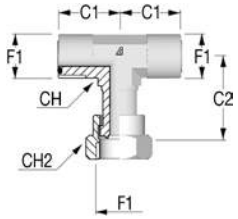
90° union ORFS Male - ORFS Female



Item Code	Part Number	OD1	F1	C1	C2	CH	CH2
		in		mm	mm	mm	mm
1208021	R1A2459241-0404	1/4"	9/16-18	21,5	26,5	14,0	17,0
1207593	R1A2459241-0606	3/8"	11/16-16	25,0	29,0	17,0	22,0
1207569	R1A2459241-0808	1/2"	13/16-16	28,0	38,0	19,0	24,0
1206968	R1A2459241-1010	5/8"	1-14	33,5	41,5	27,0	30,0
1207594	R1A2459241-1212	3/4"	1 3/16-12	37,5	46,5	27,0	36,0
1207595	R1A2459241-1616	1"	1 7/16-12	41,5	53,5	36,0	41,0
1208126	R1A2459241-2020	1"1/4	1 11/16-12	44,5	58,0	41,0	50,0
1211559	R1A2459241-2424	1"1/2	2-12	49,0	61,0	48,0	60,0

// R1A245T241

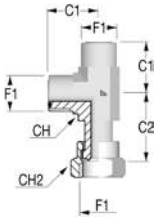
Branch Tee union ORFS Male - ORFS Female



Item Code	Part Number	OD1	F1	C1	C2	CH	CH2
		in		mm	mm	mm	mm
1208200	R1A245T241-0404	1/4"	9/16-18	21,5	26,5	14,0	17,0
1208033	R1A245T241-0606	3/8"	11/16-16	25,0	29,0	17,0	22,0
1207570	R1A245T241-0808	1/2"	13/16-16	28,0	38,0	19,0	24,0
1208201	R1A245T241-1010	5/8"	1-14	33,5	41,5	27,0	30,0
1208202	R1A245T241-1212	3/4"	1 3/16-12	37,5	46,5	27,0	36,0
1208203	R1A245T241-1616	1"	1 7/16-12	41,5	53,5	36,0	41,0
1208204	R1A245T241-2020	1"1/4	1 11/16-12	44,5	58,0	41,0	50,0
1211519	R1A245T241-2424	1"1/2	2-12	49,0	61,0	48,0	60,0

// R1A245L241

Run Tee union ORFS Male - ORFS Female



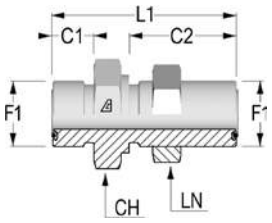
Item Code	Part Number	OD1	F1	C1	C2	CH	CH2
		in		mm	mm	mm	mm
1207597	R1A245L241-0404	1/4"	9/16-18	21,5	26,5	14,0	19,0
1207573	R1A245L241-0606	3/8"	11/16-16	25,0	29,0	17,0	22,0
1207598	R1A245L241-0808	1/2"	13/16-16	28,0	38,0	19,0	27,0
1207032	R1A245L241-1010	5/8"	1-14	33,5	41,5	27,0	30,0
1207559	R1A245L241-1212	3/4"	1 3/16-12	37,5	46,5	27,0	36,0
1207599	R1A245L241-1616	1"	1 7/16-12	41,5	53,5	36,0	41,0
1208209	R1A245L241-2020	1"1/4	1 11/16-12	44,0	58,0	41,0	50,0
1211508	R1A245L241-2424	1"1/2	2-12	48,5	61,0	48,0	60,0

Dimensions shown may be changed without prior notice

// BULKHEAD

// R1A245124T

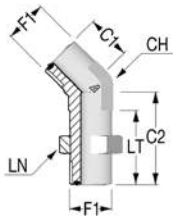
Straight union ORFS Bulkhead



Item Code	Part Number	OD1	F1	C1	C2	CH	LN	L
		in		mm	mm	mm	mm	mm
1208184	R1A245124T-0404	1/4"	9/16-18	10,0	30,0	22,0	22,0	48,0
1207035	R1A245124T-0606	3/8"	11/16-16	11,0	32,5	27,0	27,0	53,0
1208185	R1A245124T-0808	1/2"	13/16-16	13,0	34,0	30,0	30,0	58,0
1239974	R1A245124T-0812	1/2"	13/16-16	13,0	38,5	41,0	41,0	65,0
1206967	R1A245124T-1010	5/8"	1-14	15,5	38,0	36,0	36,0	65,5
1208187	R1A245124T-1212	3/4"	1 3/16-12	17,0	38,5	41,0	41,0	69,0
1208188	R1A245124T-1616	1"	1 7/16-12	17,5	39,0	46,0	46,0	70,0
1208189	R1A245124T-2020	1"1/4	1 11/16-12	17,5	39,0	50,0	50,0	70,0
1211532	R1A245124T-2424	1"1/2	2-12	17,5	39,0	60,0	60,0	70,0

// R1A245424T

45° union ORFS Bulkhead

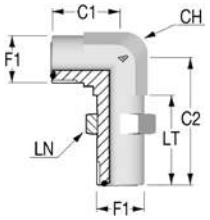


Item Code	Part Number	OD1	F1	C1	C2	CH	LN	LT
		in		mm	mm	mm	mm	mm
1212605	R1A245424T-0404	1/4"	9/16-18	16,0	44,0	14,0	22,0	31,5
1212606	R1A245424T-0606	3/8"	11/16-16	19,0	48,5	17,0	27,0	34,0
1212607	R1A245424T-0808	1/2"	13/16-16	20,5	51,0	19,0	30,0	36,5
1212608	R1A245424T-1010	5/8"	1-14	23,5	56,5	27,0	36,0	40,5
1212609	R1A245424T-1212	3/4"	1 3/16-12	26,0	60,5	27,0	41,0	41,5
1212610	R1A245424T-1616	1"	1 7/16-12	30,0	65,0	36,0	46,0	42,0
1212612	R1A245424T-2424	1"1/2	2-12	37,0	67,0	48,0	60,0	42,0

Dimensions shown may be changed without prior notice

// R1A245924T

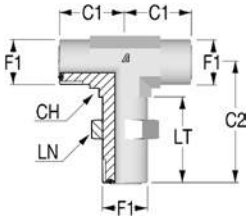
90° union ORFS Bulkhead



Item Code	Part Number	OD1	F1	C1	C2	CH	LN	LT
		in		mm	mm	mm	mm	mm
1210753	R1A245924T-0404	1/4"	9/16-18	22,5	47,0	14,0	22,0	31,5
1210754	R1A245924T-0606	3/8"	11/16-16	26,0	52,0	17,0	27,0	34,0
1210755	R1A245924T-0808	1/2"	13/16-16	29,0	55,5	19,0	30,0	36,5
1207560	R1A245924T-1010	5/8"	1-14	34,5	63,0	27,0	36,0	40,5
1208157	R1A245924T-1212	3/4"	1 3/16-12	38,5	67,0	27,0	41,0	41,5
1211557	R1A245924T-1616	1"	1 7/16-12	42,5	71,0	36,0	46,0	42,0
1208158	R1A245924T-2020	1"1/4	1 11/16-12	45,5	75,5	41,0	50,0	42,0
1211558	R1A245924T-2424	1"1/2	2-12	49,5	79,5	48,0	60,0	42,0

// R1A245T24T

Branch Tee union ORFS Bulkhead

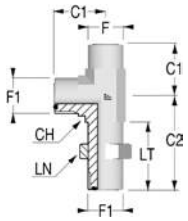


Item Code	Part Number	OD1	F1	C1	C2	CH	LN	LT
		in		mm	mm	mm	mm	mm
1212524	R1A245T24T-0404	1/4"	9/16-18	22,5	47,0	14,0	22,0	31,5
1212525	R1A245T24T-0606	3/8"	11/16-16	26,0	52,0	17,0	27,0	34,0
1208224	R1A245T24T-0808	1/2"	13/16-16	29,0	55,5	19,0	30,0	36,5
1212526	R1A245T24T-1010	5/8"	1-14	34,5	63,0	27,0	36,0	40,5
1212527	R1A245T24T-1212	3/4"	1 3/16-12	38,5	67,0	27,0	41,0	41,5
1212528	R1A245T24T-1616	1"	1 7/16-12	42,5	71,0	36,0	46,0	42,0
1212529	R1A245T24T-2020	1"1/4	1 11/16-12	45,5	75,5	41,0	50,0	42,0
1212530	R1A245T24T-2424	1"1/2	2-12	49,5	79,5	48,0	60,0	42,0

Dimensions shown may be changed without prior notice

// R1A245L24T

Run Tee union ORFS Bulkhead



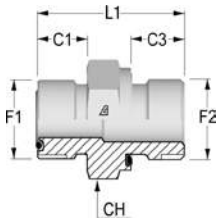
Item Code	Part Number	OD1	F1	C1	C2	CH	LN	LT
		in		mm	mm	mm	mm	mm
1240057	R1A245L24T-0404	1/4"	9/16-18	22,5	47,0	14,0	22,0	35,0
1211502	R1A245L24T-0606	3/8"	11/16-16	26,0	52,0	17,0	27,0	39,0
1210797	R1A245L24T-0808	1/2"	13/16-16	29,0	55,5	19,0	30,0	40,0
1211503	R1A245L24T-1010	5/8"	1-14	34,5	63,0	27,0	36,0	43,5
1211504	R1A245L24T-1212	3/4"	1 3/16-12	38,5	67,0	27,0	41,0	44,5
1211505	R1A245L24T-1616	1"	1 7/16-12	42,5	71,0	36,0	46,0	46,0
1211506	R1A245L24T-2020	1"1/4	1 11/16-12	45,5	75,5	41,0	50,0	46,5
1211507	R1A245L24T-2424	1"1/2	2-12	49,5	79,5	48,0	60,0	45,0

Dimensions shown may be changed without prior notice

// BSPP

// R1A245106I

Straight connector ORFS Male - BSPP cylindric Male with elastomer

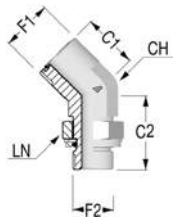


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1207990	R1A245106I-0402	1/4"	9/16-18	1/8-28	10,0	8,0	17,0	25,5
1206956	R1A245106I-0404	1/4"	9/16-18	1/4-19	10,0	12,0	19,0	30,5
1206957	R1A245106I-0406	1/4"	9/16-18	3/8-19	10,0	12,0	22,0	31,5
1208017	R1A245106I-0408	1/4"	9/16-18	1/2-14	10,0	14,0	27,0	35,5
1207575	R1A245106I-0604	3/8"	11/16-16	1/4-19	11,0	12,0	19,0	31,5
1207574	R1A245106I-0606	3/8"	11/16-16	3/8-19	11,0	12,0	22,0	33,5
1207996	R1A245106I-0608	3/8"	11/16-16	1/2-14	11,0	14,0	27,0	37,0
1207998	R1A245106I-0804	1/2"	13/16-16	1/4-19	13,0	12,0	22,0	39,5
1207576	R1A245106I-0806	1/2"	13/16-16	3/8-19	13,0	12,0	22,0	34,5
1206958	R1A245106I-0808	1/2"	13/16-16	1/2-14	13,0	14,0	27,0	38,5
1208022	R1A245106I-0812	1/2"	13/16-16	3/4-14	13,0	16,0	32,0	42,0
1207999	R1A245106I-1006	5/8"	1-14	3/8-19	15,5	12,0	27,0	43,0
1208010	R1A245106I-1008	5/8"	1-14	1/2-14	15,5	14,0	27,0	41,0
1207959	R1A245106I-1012	5/8"	1-14	3/4-14	15,5	16,0	32,0	44,5
1208000	R1A245106I-1208	3/4"	1 3/16-12	1/2-14	17,0	14,0	32,0	48,5
1206955	R1A245106I-1212	3/4"	1 3/16-12	3/4-14	17,0	16,0	32,0	46,0
1211527	R1A245106I-1216	3/4"	1 3/16-12	1-11	17,0	18,0	41,0	49,5
1208003	R1A245106I-1612	1"	1 7/16-12	3/4-14	17,5	16,0	41,0	51,0
1207577	R1A245106I-1616	1"	1 7/16-12	1-11	17,5	18,0	41,0	49,0
1207979	R1A245106I-1620	1"	1 7/16-12	1 1/4-11	17,5	20,0	50,0	54,0
1208034	R1A245106I-2016	1"1/4	1 11/16-12	1-11	17,5	18,0	46,0	57,5
1208018	R1A245106I-2020	1"1/4	1 11/16-12	1 1/4-11	17,5	20,0	50,0	54,0
1211528	R1A245106I-2024	1"1/4	1 11/16-12	1 1/2-11	17,5	22,0	55,0	57,5
1211529	R1A245106I-2424	1"1/2	2-12	1 1/2-11	17,5	22,0	55,0	57,5

Dimensions shown may be changed without prior notice

// R1A245406N

45° adjustable elbow connector ORFS Male - BSPP cylindric Male with O-Ring and retaining ring

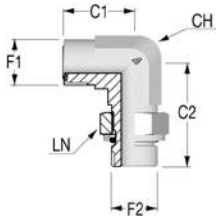


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1210800	R1A245406N-0402	1/4"	9/16-18	1/8-28	16,0	28,0	14,0	14,0
1210801	R1A245406N-0404	1/4"	9/16-18	1/4-19	17,5	31,0	14,0	19,0
1210802	R1A245406N-0604	3/8"	11/16-16	1/4-19	19,0	32,0	19,0	19,0
1210803	R1A245406N-0606	3/8"	11/16-16	3/8-19	19,0	33,0	19,0	22,0
1210804	R1A245406N-0608	3/8"	11/16-16	1/2-14	19,5	43,0	27,0	27,0
1210805	R1A245406N-0806	1/2"	13/16-16	3/8-19	20,5	33,5	19,0	22,0
1212604	R1A245406N-0808	1/2"	13/16-16	1/2-14	22,0	42,0	27,0	27,0
1210806	R1A245406N-1008	5/8"	1-14	1/2-14	23,5	42,0	27,0	27,0
1210807	R1A245406N-1012	5/8"	1-14	3/4-14	24,5	46,5	30,0	36,0
1210733	R1A245406N-1212	3/4"	1 3/16-12	3/4-14	26,0	50,0	30,0	36,0
1211539	R1A245406N-1216	3/4"	1 3/16-12	1-11	29,5	52,5	36,0	41,0
1207720	R1A245406N-1616	1"	1 7/16-12	1-11	30,0	52,5	36,0	41,0
1211540	R1A245406N-2020	1"1/4	1 11/16-12	1 1/4-11	32,0	53,5	41,0	50,0
1211541	R1A245406N-2424	1"1/2	2-12	1 1/2-11	37,0	53,5	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A245906N

90° adjustable elbow connector ORFS Male - BSPP cylindric Male with O-Ring and retaining ring

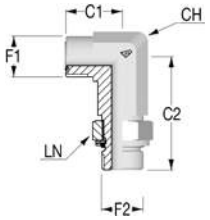


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1210739	R1A245906N-0402	1/4"	9/16-18	1/8-28	21,5	30,0	14,0	14,0
1207721	R1A245906N-0404	1/4"	9/16-18	1/4-19	23,5	35,0	14,0	19,0
1207581	R1A245906N-0406	1/4"	9/16-18	3/8-19	25,0	38,0	19,0	22,0
1207722	R1A245906N-0604	3/8"	11/16-16	1/4-19	25,0	38,0	19,0	19,0
1248244	R1A245906N-0604	3/8"	11/16-16	1/4-19	25,0	38,0	19,0	19,0
1207568	R1A245906N-0606	3/8"	11/16-16	3/8-19	26,5	38,0	19,0	22,0
1207567	R1A245906N-0608	3/8"	11/16-16	1/2-14	29,5	48,0	27,0	27,0
1207723	R1A245906N-0804	1/2"	13/16-16	1/4-19	28,0	35,0	19,0	19,0
1207724	R1A245906N-0806	1/2"	13/16-16	3/8-19	28,0	38,0	19,0	22,0
1207725	R1A245906N-0808	1/2"	13/16-16	1/2-14	31,0	48,0	27,0	27,0
1208118	R1A245906N-1006	5/8"	1-14	3/8-19	33,5	43,0	27,0	22,0
1207034	R1A245906N-1008	5/8"	1-14	1/2-14	33,5	48,0	27,0	27,0
1210741	R1A245906N-1012	5/8"	1-14	3/4-14	36,0	51,5	30,0	36,0
1208029	R1A245906N-1208	3/4"	1 3/16-12	1/2-14	37,5	49,5	30,0	27,0
1207557	R1A245906N-1212	3/4"	1 3/16-12	3/4-14	37,5	51,5	30,0	36,0
1208119	R1A245906N-1216	3/4"	1 3/16-12	1-11	41,5	58,0	36,0	41,0
1210714	R1A245906N-1612	1"	1 7/16-12	3/4-14	42,0	56,0	36,0	36,0
1208121	R1A245906N-1616	1"	1 7/16-12	1-11	42,0	63,5	36,0	41,0
1211552	R1A245906N-1620	1"	1 7/16-12	1 1/4-11	45,0	60,5	41,0	50,0
1211553	R1A245906N-2016	1"1/4	1 11/16-12	1-11	45,0	60,0	41,0	41,0
1211554	R1A245906N-2020	1"1/4	1 11/16-12	1 1/4-11	45,0	67,5	41,0	50,0
1211555	R1A245906N-2024	1"1/4	1 11/16-12	1 1/2-11	49,0	64,5	48,0	55,0
1211556	R1A245906N-2424	1"1/2	2-12	1 1/2-11	49,0	64,5	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A245906Y

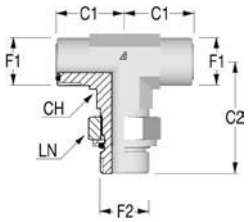
90° adjustable long elbow connector ORFS Male - BSPP cylindric Male with O-Ring and retaining ring



Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1212620	R1A245906Y-0404	1/4"	9/16-18	1/4-19	23,5	59,0	14,0	19,0
1212621	R1A245906Y-0406	1/4"	9/16-18	3/8-19	25,0	62,0	22,0	22,0
1212622	R1A245906Y-0606	3/8"	11/16-16	3/8-19	26,5	67,0	22,0	22,0
1212623	R1A245906Y-0608	3/8"	11/16-16	1/2-14	36,5	93,1	27,0	27,0
1212624	R1A245906Y-0806	1/2"	13/16-16	3/8-19	28,0	73,0	22,0	22,0
1212625	R1A245906Y-0808	1/2"	13/16-16	1/2-14	31,0	82,0	27,0	27,0
1212626	R1A245906Y-1008	5/8"	1-14	1/2-14	33,0	82,0	27,0	27,0
1212627	R1A245906Y-1012	5/8"	1-14	3/4-14	36,0	90,0	33,0	36,0
1212628	R1A245906Y-1212	3/4"	1 3/16-12	3/4-14	37,5	97,0	33,0	36,0
1212629	R1A245906Y-1216	3/4"	1 3/16-12	1-11	41,5	104,0	36,0	41,0
1212630	R1A245906Y-1616	1"	1 7/16-12	1-11	42,0	112,0	36,0	41,0
1212631	R1A245906Y-1620	1"	1 7/16-12	1 1/4-11	45,0	113,0	41,0	50,0
1212632	R1A245906Y-2020	1"1/4	1 11/16-12	1 1/4-11	45,0	113,0	41,0	50,0
1212633	R1A245906Y-2024	1"1/4	1 11/16-12	1 1/2-11	45,0	113,0	41,0	50,0
1212634	R1A245906Y-2424	1"1/2	2-12	1 1/2-11	49,0	137,0	48,0	55,0

// R1A245T06N

Branch Tee adjustable elbow connector ORFS Male - BSPP cylindric Male with O-Ring and retaining ring

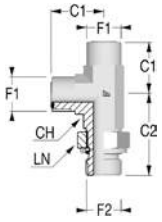


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1210825	R1A245T06N-0402	1/4"	9/16-18	1/8-28	21,5	30,0	14,0	14,0
1210826	R1A245T06N-0404	1/4"	9/16-18	1/4-19	23,5	35,0	14,0	19,0
1210827	R1A245T06N-0604	3/8"	11/16-16	1/4-19	25,0	36,0	17,0	19,0
1210828	R1A245T06N-0606	3/8"	11/16-16	3/8-19	26,5	38,0	17,0	22,0
1210829	R1A245T06N-0806	1/2"	13/16-16	3/8-19	28,0	38,0	19,0	22,0
1212523	R1A245T06N-0808	1/2"	13/16-16	1/2-14	31,0	48,0	22,0	27,0
1207726	R1A245T06N-1008	5/8"	1-14	1/2-14	33,5	48,0	27,0	27,0
1210830	R1A245T06N-1012	5/8"	1-14	3/4-14	36,0	51,5	30,0	36,0
1207558	R1A245T06N-1212	3/4"	1 3/16-12	3/4-14	37,5	51,5	30,0	36,0
1211516	R1A245T06N-1616	1"	1 7/16-12	1-11	42,0	58,0	36,0	41,0
1211517	R1A245T06N-2020	1"1/4	1 11/16-12	1 1/4-11	45,0	60,5	41,0	50,0
1211518	R1A245T06N-2424	1"1/2	2-12	1 1/2-11	49,0	64,5	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A245L06N

Run Tee adjustable elbow connector ORFS Male - BSPP cylindric Male with O-Ring and retaining ring



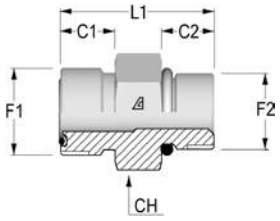
Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1210789	R1A245L06N-0402	1/4"	9/16-18	1/8-28	21,5	30,0	14,0	14,0
1210790	R1A245L06N-0404	1/4"	9/16-18	1/4-19	23,5	35,0	14,0	19,0
1210791	R1A245L06N-0604	3/8"	11/16-16	1/4-19	25,0	36,0	17,0	19,0
1210792	R1A245L06N-0606	3/8"	11/16-16	3/8-19	26,5	38,0	17,0	22,0
1211499	R1A245L06N-0806	1/2"	13/16-16	3/8-19	28,0	38,0	19,0	22,0
1210793	R1A245L06N-0808	1/2"	13/16-16	1/2-14	31,0	48,0	22,0	27,0
1210794	R1A245L06N-1008	5/8"	1-14	1/2-14	33,5	48,0	27,0	27,0
1210795	R1A245L06N-1012	5/8"	1-14	3/4-14	38,0	51,5	30,0	36,0
1210796	R1A245L06N-1212	3/4"	1 3/16-12	3/4-14	37,5	51,5	30,0	36,0
1208208	R1A245L06N-1616	1"	1 7/16-12	1-11	42,0	58,0	36,0	41,0
1211500	R1A245L06N-2020	1"1/4	1 11/16-12	1 1/4-11	45,0	60,5	41,0	50,0
1211501	R1A245L06N-2424	1"1/2	2-12	1 1/2-11	49,0	64,5	48,0	55,0

Dimensions shown may be changed without prior notice

// METRIC

// R1A2451525

Straight connector ORFS Male - Metric Male with O-Ring

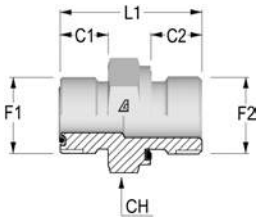


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1216267	R1A2451525-0410	1/4"	9/16-18	M10X1.0	10,0	12,0	17,0	27,0
1216268	R1A2451525-0412	1/4"	9/16-18	M12X1.5	10,0	13,5	17,0	28,5
1208019	R1A2451525-0414	1/4"	9/16-18	M14X1.5	10,0	13,5	19,0	29,5
1207957	R1A2451525-0614	3/8"	11/16-16	M14X1.5	11,0	13,5	22,0	32,0
1208032	R1A2451525-0616	3/8"	11/16-16	M16X1.5	11,0	15,0	22,0	33,5
1216270	R1A2451525-0618	3/8"	11/16-16	M18X1.5	11,0	16,5	24,0	36,0
1207956	R1A2451525-0814	1/2"	13/16-16	M14X1.5	13,0	13,5	22,0	35,0
1216272	R1A2451525-0816	1/2"	13/16-16	M16X1.5	13,0	15,0	24,0	36,5
1208040	R1A2451525-0818	1/2"	13/16-16	M18X1.5	13,0	16,5	24,0	38,0
1211538	R1A2451525-0822	1/2"	13/16-16	M22X1.5	13,0	17,5	27,0	39,0
1208020	R1A2451525-1022	5/8"	1-14	M22X1.5	15,5	17,5	27,0	42,0
1216274	R1A2451525-1027	5/8"	1-14	M27X2	15,5	18,5	32,0	46,0
1216276	R1A2451525-1227	3/4"	1 3/16-12	M27X2	17,0	21,0	32,0	48,5
1216277	R1A2451525-1233	3/4"	1 3/16-12	M33X2.0	17,0	21,5	41,0	51,5
1216278	R1A2451525-1633	1"	1 7/16-12	M33X2.0	17,5	21,5	41,0	52,0
1216279	R1A2451525-1642	1"	1 7/16-12	M42X2	17,5	22,0	50,0	54,5
1216280	R1A2451525-2042	1"1/4	1 11/16-12	M42X2	17,5	22,0	50,0	54,5
1216281	R1A2451525-2048	1"1/4	1 11/16-12	M48X2.0	17,5	24,5	55,0	55,5
1216282	R1A2451525-2448	1"1/2	2-12	M48X2.0	17,5	24,5	55,0	57,0

Dimensions shown may be changed without prior notice

// R1A245152I

Straight connector ORFS Male - Metric Male with elastomer

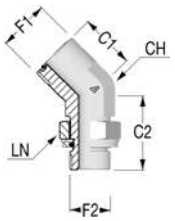


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1206959	R1A245152I-0410	1/4"	9/16-18	M10X1.0	10,0	8,0	17,0	25,0
1206960	R1A245152I-0412	1/4"	9/16-18	M12X1.5	10,0	12,0	17,0	29,5
1208035	R1A245152I-0414	1/4"	9/16-18	M14X1.5	10,0	12,0	19,0	30,5
1208036	R1A245152I-0614	3/8"	11/16-16	M14X1.5	11,0	12,0	22,0	32,0
1206961	R1A245152I-0616	3/8"	11/16-16	M16X1.5	11,0	12,0	22,0	32,0
1212592	R1A245152I-0814	1/2"	13/16-16	M14X1.5	13,0	12,0	22,0	34,0
1216283	R1A245152I-0816	1/2"	13/16-16	M16X1.5	13,0	12,0	22,0	34,0
1206962	R1A245152I-0818	1/2"	13/16-16	M18X1.5	13,0	12,0	24,0	36,5
1212593	R1A245152I-0822	1/2"	13/16-16	M22X1.5	13,0	14,0	27,0	38,5
1208191	R1A245152I-1022	5/8"	1-14	M22X1.5	15,5	14,0	27,0	41,0
1212594	R1A245152I-1222	3/4"	1 3/16-12	M22X1.5	17,0	14,0	32,0	44,0
1208192	R1A245152I-1227	3/4"	1 3/16-12	M27X2	17,0	16,0	32,0	46,0
1211535	R1A245152I-1633	1"	1 7/16-12	M33X2.0	17,5	18,0	41,0	50,0
1212597	R1A245152I-1642	1"	1 7/16-12	M42X2	17,5	20,0	50,0	54,0
1211536	R1A245152I-2042	1"1/4	1 11/16-12	M42X2	17,5	20,0	50,0	54,0
1211537	R1A245152I-2448	1"1/2	2-12	M48X2.0	17,5	22,0	55,0	57,5

Dimensions shown may be changed without prior notice

// R1A245452Q

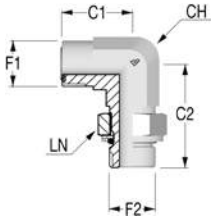
45° adjustable elbow connector ORFS Male - Metric Male with O-Ring and retaining ring



Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1210736	R1A245452Q-0412	1/4"	9/16-18	M12X1.5	16,0	30,0	14,0	17,0
1208115	R1A245452Q-0616	3/8"	11/16-16	M16X1.5	19,0	33,5	17,0	22,0
1210737	R1A245452Q-0818	1/2"	13/16-16	M18X1.5	20,5	37,0	19,0	24,0
1210738	R1A245452Q-1022	5/8"	1-14	M22X1.5	23,5	44,0	27,0	27,0
1211548	R1A245452Q-1227	3/4"	1 3/16-12	M27X2	26,0	50,5	27,0	32,0
1211549	R1A245452Q-1633	1"	1 7/16-12	M33X2.0	30,0	52,5	36,0	41,0
1211550	R1A245452Q-2042	1"1/4	1 11/16-12	M42X2	32,0	54,0	41,0	50,0
1211551	R1A245452Q-2448	1"1/2	2-12	M48X2.0	37,0	56,5	48,0	55,0

// R1A245952Q

90° adjustable elbow connector ORFS Male - Metric Male with O-Ring and retaining ring

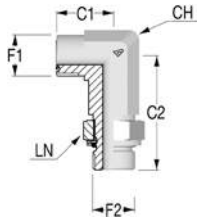


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1210758	R1A245952Q-0410	1/4"	9/16-18	M10X1.0	21,5	30,5	14,0	14,0
1208159	R1A245952Q-0412	1/4"	9/16-18	M12X1.5	21,5	33,0	14,0	17,0
1212692	R1A245952Q-0612	3/8"	11/16-16	M12X1.5	25,0	35,5	17,0	17,0
1208042	R1A245952Q-0614	3/8"	11/16-16	M14X1.5	25,0	35,5	17,0	19,0
1208043	R1A245952Q-0616	3/8"	11/16-16	M16X1.5	25,0	37,5	17,0	22,0
1210759	R1A245952Q-0818	1/2"	13/16-16	M18X1.5	28,0	41,0	19,0	24,0
1210760	R1A245952Q-0822	1/2"	13/16-16	M22X1.5	31,0	49,0	19,0	27,0
1210761	R1A245952Q-1022	5/8"	1-14	M22X1.5	33,5	49,0	27,0	27,0
1210762	R1A245952Q-1027	5/8"	1-14	M27X2	33,5	55,0	27,0	32,0
1210763	R1A245952Q-1227	3/4"	1 3/16-12	M27X2	37,5	55,5	27,0	32,0
1210764	R1A245952Q-1233	3/4"	1 3/16-12	M33X2.0	37,5	59,5	36,0	41,0
1212693	R1A245952Q-1627	1"	1 7/16-12	M27X2	41,5	59,5	36,0	32,0
1211568	R1A245952Q-1633	1"	1 7/16-12	M33X2.0	41,5	59,5	36,0	41,0
1211569	R1A245952Q-1642	1"	1 7/16-12	M42X2	41,5	62,0	41,0	50,0
1211570	R1A245952Q-2042	1"1/4	1 11/16-12	M42X2	43,5	63,0	41,0	50,0
1211571	R1A245952Q-2048	1"1/4	1 11/16-12	M48X2.0	44,5	71,5	48,0	55,0
1211572	R1A245952Q-2448	1"1/2	2-12	M48X2.0	44,5	66,0	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A245952Y

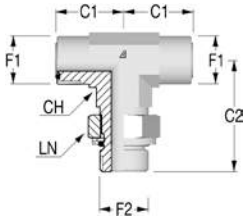
90° adjustable long elbow connector ORFS Male - Metric Male with O-Ring and retaining ring



Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1212694	R1A245952Y-0412	1/4"	9/16-18	M12X1.5	21,5	56,5	14,0	17,0
1212695	R1A245952Y-0616	3/8"	11/16-16	M16X1.5	25,0	67,0	17,0	22,0
1212696	R1A245952Y-0818	1/2"	13/16-16	M18X1.5	28,0	75,0	19,0	24,0
1212697	R1A245952Y-1022	5/8"	1-14	M22X1.5	33,5	89,0	27,0	27,0
1212698	R1A245952Y-1227	3/4"	1 3/16-12	M27X2	37,5	100,0	27,0	32,0
1212699	R1A245952Y-1633	1"	1 7/16-12	M33X2.0	41,5	113,0	36,0	41,0
1212700	R1A245952Y-2042	1"1/4	1 11/16-12	M42X2	44,5	125,0	41,0	50,0
1212701	R1A245952Y-2448	1"1/2	2-12	M48X2.0	49,0	139,0	48,0	55,0

// R1A245T52Q

Branch Tee adjustable elbow connector ORFS Male - Metric Male with O-Ring and retaining ring

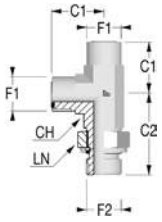


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1210784	R1A245T52Q-0412	1/4"	9/16-18	M12X1.5	21,5	33,0	14,0	17,0
1210785	R1A245T52Q-0616	3/8"	11/16-16	M16X1.5	25,0	37,5	17,0	22,0
1210786	R1A245T52Q-0818	1/2"	13/16-16	M18X1.5	28,0	41,0	19,0	24,0
1210787	R1A245T52Q-1022	5/8"	1-14	M22X1.5	33,5	49,0	27,0	27,0
1210788	R1A245T52Q-1227	3/4"	1 3/16-12	M27X2	37,5	55,5	27,0	32,0
1211524	R1A245T52Q-1633	1"	1 7/16-12	M33X2.0	41,5	59,5	36,0	41,0
1211525	R1A245T52Q-2042	1"1/4	1 11/16-12	M42X2	44,5	63,0	41,0	36,0
1211526	R1A245T52Q-2448	1"1/2	2-12	M48X2.0	49,0	71,5	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A245L52Q

Run Tee adjustable elbow connector ORFS Male - Metric Male with O-Ring and retaining ring



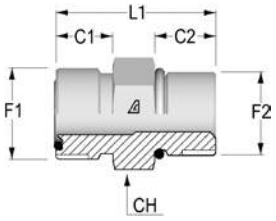
Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1210820	R1A245L52Q-0412	1/4"	9/16-18	M12X1.5	21,5	33,0	14,0	17,0
1210821	R1A245L52Q-0616	3/8"	11/16-16	M16X1.5	25,0	37,5	17,0	22,0
1210822	R1A245L52Q-0818	1/2"	13/16-16	M18X1.5	28,0	41,0	19,0	24,0
1210709	R1A245L52Q-1022	5/8"	1-14	M22X1.5	33,5	49,0	27,0	27,0
1210823	R1A245L52Q-1227	3/4"	1 3/16-12	M27X2	37,5	55,5	27,0	32,0
1211513	R1A245L52Q-1633	1"	1 7/16-12	M33X2.0	41,5	59,5	36,0	41,0
1211514	R1A245L52Q-2042	1"1/4	1 11/16-12	M42X2	44,5	63,0	41,0	50,0
1211515	R1A245L52Q-2448	1"1/2	2-12	M48X2.0	49,0	71,5	48,0	55,0

Dimensions shown may be changed without prior notice

// SAE UNF

// R1A2451305

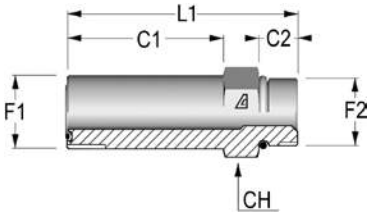
Straight connector ORFS Male - SAE UNF/UN Male with O-Ring



Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1206963	R1A2451305-0404	1/4"	9/16-18	7/16-20	10,0	11,0	17,0	29,0
1206964	R1A2451305-0406	1/4"	9/16-18	9/16-18	10,0	12,0	19,0	30,5
1212564	R1A2451305-0604	3/8"	11/16-16	7/16-20	11,0	11,0	19,0	34,0
1207972	R1A2451305-0606	3/8"	11/16-16	9/16-18	11,0	12,0	22,0	32,0
1210723	R1A2451305-0608	3/8"	11/16-16	3/4-16	11,0	14,0	22,0	35,0
1208012	R1A2451305-0806	1/2"	13/16-16	9/16-18	13,0	12,0	22,0	37,5
1208013	R1A2451305-0808	1/2"	13/16-16	3/4-16	13,0	14,0	22,0	36,5
1207973	R1A2451305-0810	1/2"	13/16-16	7/8-14	13,0	16,0	27,0	40,5
1212565	R1A2451305-0812	1/2"	13/16-16	1 1/16-12	13,0	18,5	32,0	44,5
1208014	R1A2451305-1008	5/8"	1-14	3/4-16	15,5	14,0	27,0	45,0
1206965	R1A2451305-1010	5/8"	1-14	7/8-14	15,5	16,0	27,0	43,0
1207968	R1A2451305-1012	5/8"	1-14	1 1/16-12	15,5	18,5	32,0	47,0
1212566	R1A2451305-1210	3/4"	1 3/16-12	7/8-14	17,0	16,0	32,0	50,5
1207592	R1A2451305-1212	3/4"	1 3/16-12	1 1/16-12	17,0	18,0	32,0	48,5
1207561	R1A2451305-1216	3/4"	1 3/16-12	1 5/16-12	17,0	18,5	41,0	50,0
1212567	R1A2451305-1220	3/4"	1 3/16-12	1 5/8-12	17,0	18,5	46,0	50,5
1210721	R1A2451305-1612	1"	1 7/16-12	1 1/16-12	17,5	18,5	41,0	54,0
1208015	R1A2451305-1616	1"	1 7/16-12	1 5/16-12	17,5	18,5	41,0	50,5
1210777	R1A2451305-1620	1"	1 7/16-12	1 5/8-12	17,5	18,5	46,0	52,0
1212568	R1A2451305-2016	1"1/4	1 11/16-12	1 5/16-12	17,5	18,5	46,0	58,0
1210778	R1A2451305-2020	1"1/4	1 11/16-12	1 5/8-12	17,5	18,5	46,0	52,0
1211534	R1A2451305-2424	1"1/2	2-12	1 7/8-12	17,5	18,5	55,0	54,0

// R1A245130J

Long connector ORFS Male - SAE UNF/UN Male with O-Ring

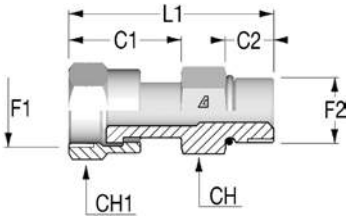


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1212556	R1A245130J-0404	1/4"	9/16-18	7/16-20	34,0	9,0	17,0	52,5
1212557	R1A245130J-0606	3/8"	11/16-16	9/16-18	37,0	10,0	22,0	58,0
1212558	R1A245130J-0808	1/2"	13/16-16	3/4-16	44,0	11,0	22,0	68,0
1212559	R1A245130J-1010	5/8"	1-14	7/8-14	52,0	12,5	27,0	79,5
1212560	R1A245130J-1212	3/4"	1 3/16-12	1 1/16-12	64,0	15,0	32,0	95,5
1212561	R1A245130J-1616	1"	1 7/16-12	1 5/16-12	72,5	15,0	41,0	105,0
1212562	R1A245130J-2020	1"1/4	1 11/16-12	1 5/8-12	86,0	15,0	46,0	121,0
1212563	R1A245130J-2424	1"1/2	2-12	1 7/8-12	97,0	15,0	55,0	133,5

Dimensions shown may be changed without prior notice

// R1A2411305

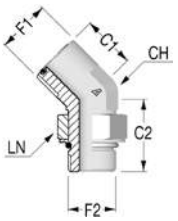
Straight connector ORFS Female - SAE UNF/UN Male with O-Ring



Item Code	Part Number	OD1	F1	F2	C1	C2	CH	CH1	L
		in			mm	mm	mm	mm	mm
1212508	R1A2411305-0404	1/4"	9/16-18	7/16-20	24,4	11,0	17,0	19,0	45,2
1212509	R1A2411305-0606	3/8"	11/16-16	9/16-18	27,5	12,0	19,0	22,0	50,0
1212510	R1A2411305-0808	1/2"	13/16-16	3/4-16	33,0	14,0	22,0	24,0	60,0
1208302	R1A2411305-1008	5/8"	1-14	3/4-16	37,5	14,0	24,0	30,0	65,0
1212511	R1A2411305-1010	5/8"	1-14	7/8-14	37,5	16,0	27,0	30,0	66,5
1212512	R1A2411305-1212	3/4"	1 3/16-12	1 1/16-12	41,5	18,0	32,0	36,0	73,5
1212513	R1A2411305-1616	1"	1 7/16-12	1 5/16-12	43,8	18,5	41,0	41,0	82,0
1212514	R1A2411305-2020	1"1/4	1 11/16-12	1 5/8-12	43,8	18,5	50,0	50,0	82,0
1212515	R1A2411305-2424	1"1/2	2-12	1 7/8-12	47,5	18,5	55,0	60,0	81,0

// R1A2454305

45° adjustable elbow connector ORFS Male - SAE UNF/UN Male with O-Ring

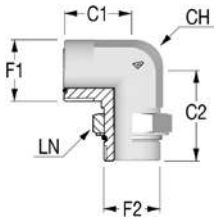


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1210808	R1A2454305-0404	1/4"	9/16-18	7/16-20	16,0	30,0	14,0	16,0
1210809	R1A2454305-0406	1/4"	9/16-18	9/16-18	17,5	33,0	14,0	19,0
1210810	R1A2454305-0604	3/8"	11/16-16	7/16-20	19,0	31,0	17,0	16,0
1210722	R1A2454305-0606	3/8"	11/16-16	9/16-18	19,0	33,0	17,0	19,0
1207936	R1A2454305-0608	3/8"	11/16-16	3/4-16	19,0	36,5	19,0	24,0
1210811	R1A2454305-0806	1/2"	13/16-16	9/16-18	20,5	32,5	19,0	19,0
1210812	R1A2454305-0808	1/2"	13/16-16	3/4-16	20,5	36,5	19,0	24,0
1210813	R1A2454305-0810	1/2"	13/16-16	7/8-14	21,0	45,0	22,0	27,0
1211543	R1A2454305-1008	5/8"	1-14	3/4-16	23,5	40,5	27,0	24,0
1210814	R1A2454305-1010	5/8"	1-14	7/8-14	23,5	45,0	27,0	27,0
1210815	R1A2454305-1012	5/8"	1-14	1 1/16-12	24,5	50,0	27,0	32,0
1210816	R1A2454305-1210	3/4"	1 3/16-12	7/8-14	26,0	46,0	30,0	27,0
1207975	R1A2454305-1212	3/4"	1 3/16-12	1 1/16-12	26,0	44,0	27,0	32,0
1211544	R1A2454305-1216	3/4"	1 3/16-12	1 5/16-12	29,5	52,5	36,0	41,0
1207974	R1A2454305-1612	1"	1 7/16-12	1 1/16-12	30,0	51,5	33,0	32,0
1210817	R1A2454305-1616	1"	1 7/16-12	1 5/16-12	30,0	52,5	36,0	41,0
1211545	R1A2454305-1620	1"	1 7/16-12	1 5/8-12	32,0	53,5	41,0	50,0
1211546	R1A2454305-2020	1"1/4	1 11/16-12	1 5/8-12	32,0	48,5	41,0	50,0
1211547	R1A2454305-2424	1"1/2	2-12	1 7/8-12	33,5	48,5	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A2459305

90° adjustable elbow connector ORFS Male - SAE UNF/UN Male with O-Ring

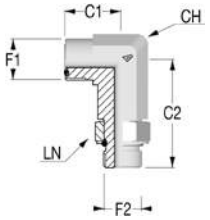


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1207980	R1A2459305-0404	1/4"	9/16-18	7/16-20	22,5	32,5	14,0	16,0
1207976	R1A2459305-0406	1/4"	9/16-18	9/16-18	23,5	37,0	14,0	19,0
1208016	R1A2459305-0604	3/8"	11/16-16	7/16-20	25,0	35,0	17,0	17,0
1207497	R1A2459305-0606	3/8"	11/16-16	9/16-18	25,0	37,0	17,0	19,0
1210724	R1A2459305-0608	3/8"	11/16-16	3/4-16	26,5	40,5	19,0	24,0
1210725	R1A2459305-0806	1/2"	13/16-16	9/16-18	28,0	36,5	19,0	19,0
1207596	R1A2459305-0808	1/2"	13/16-16	3/4-16	28,0	40,5	19,0	24,0
1207970	R1A2459305-0810	1/2"	13/16-16	7/8-14	31,0	50,0	22,0	27,0
1210726	R1A2459305-1008	5/8"	1-14	3/4-16	33,5	46,0	27,0	24,0
1207971	R1A2459305-1010	5/8"	1-14	7/8-14	33,5	50,0	27,0	27,0
1207969	R1A2459305-1012	5/8"	1-14	1 1/16-12	36,0	55,0	27,0	32,0
1210756	R1A2459305-1210	3/4"	1 3/16-12	7/8-14	37,5	51,0	30,0	27,0
1207977	R1A2459305-1212	3/4"	1 3/16-12	1 1/16-12	37,5	55,0	30,0	32,0
1210711	R1A2459305-1216	3/4"	1 3/16-12	1 5/16-12	41,5	60,0	36,0	41,0
1207978	R1A2459305-1612	1"	1 7/16-12	1 1/16-12	42,0	59,0	33,0	32,0
1210757	R1A2459305-1616	1"	1 7/16-12	1 5/16-12	42,0	60,0	36,0	41,0
1211561	R1A2459305-1620	1"	1 7/16-12	1 5/8-12	45,0	62,0	41,0	50,0
1211562	R1A2459305-2016	1"1/4	1 11/16-12	1 5/16-12	45,0	62,0	41,0	41,0
1211563	R1A2459305-2020	1"1/4	1 11/16-12	1 5/8-12	44,5	62,0	41,0	50,0
1211564	R1A2459305-2024	1"1/4	1 11/16-12	1 7/8-12	49,0	66,0	48,0	55,0
1211565	R1A2459305-2424	1"1/2	2-12	1 7/8-12	49,0	66,0	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A245930J

90° adjustable long elbow connector ORFS Male - SAE UNF/UN Male with O-Ring

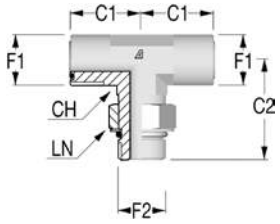


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1212635	R1A245930J-0404	1/4"	9/16-18	7/16-20	21,5	56,5	14,0	16,0
1212636	R1A245930J-0406	1/4"	9/16-18	9/16-18	23,5	66,0	14,0	19,0
1212637	R1A245930J-0606	3/8"	11/16-16	9/16-18	25,0	66,0	17,0	19,0
1212638	R1A245930J-0608	3/8"	11/16-16	3/4-16	26,5	75,0	19,0	24,0
1212639	R1A245930J-0808	1/2"	13/16-16	3/4-16	28,0	75,0	19,0	24,0
1212640	R1A245930J-0810	1/2"	13/16-16	7/8-14	31,0	89,0	22,0	27,0
1212641	R1A245930J-1010	5/8"	1-14	7/8-14	33,5	89,0	27,0	27,0
1212642	R1A245930J-1012	5/8"	1-14	1 1/16-12	36,0	101,0	27,0	32,0
1212643	R1A245930J-1212	3/4"	1 3/16-12	1 1/16-12	37,5	101,0	30,0	32,0
1212644	R1A245930J-1216	3/4"	1 3/16-12	1 5/16-12	41,5	114,0	36,0	41,0
1212645	R1A245930J-1616	1"	1 7/16-12	1 5/16-12	42,0	114,0	36,0	41,0
1212646	R1A245930J-1620	1"	1 7/16-12	1 5/8-12	45,0	126,0	41,0	50,0
1212647	R1A245930J-2020	1"1/4	1 11/16-12	1 5/8-12	45,0	126,0	41,0	50,0
1212648	R1A245930J-2024	1"1/4	1 11/16-12	1 7/8-12	49,0	139,0	48,0	55,0
1212649	R1A245930J-2424	1"1/2	2-12	1 7/8-12	49,0	139,0	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A245T305

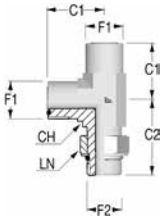
Branch Tee adjustable elbow connector ORFS Male - SAE UNF/ UN Male with O-Ring



Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1210720	R1A245T305-0404	1/4"	9/16-18	7/16-20	21,5	32,5	14,0	16,0
1210780	R1A245T305-0606	3/8"	11/16-16	9/16-18	25,0	37,0	17,0	19,0
1210781	R1A245T305-0808	1/2"	13/16-16	3/4-16	28,0	40,5	19,0	24,0
1210782	R1A245T305-1010	5/8"	1-14	7/8-14	33,5	50,0	27,0	27,0
1210783	R1A245T305-1212	3/4"	1 3/16-12	1 1/16-12	37,5	55,0	30,0	32,0
1211521	R1A245T305-1616	1"	1 7/16-12	1 5/16-12	42,0	60,0	36,0	41,0
1211522	R1A245T305-2020	1"1/4	1 11/16-12	1 5/8-12	45,0	62,0	41,0	50,0
1211523	R1A245T305-2424	1"1/2	2-12	1 7/8-12	49,0	66,0	48,0	55,0

// R1A245L305

Run Tee adjustable elbow connector ORFS Male - SAE UNF/UN Male with O-Ring



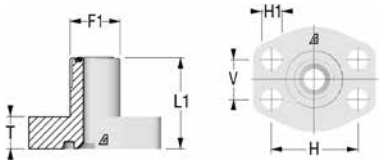
Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1210798	R1A245L305-0404	1/4"	9/16-18	7/16-20	21,5	32,5	14,0	16,0
1210799	R1A245L305-0606	3/8"	11/16-16	9/16-18	25,0	37,0	17,0	19,0
1210818	R1A245L305-0808	1/2"	13/16-16	3/4-16	28,0	40,5	19,0	24,0
1210819	R1A245L305-1010	5/8"	1-14	7/8-14	33,5	50,0	27,0	27,0
1211509	R1A245L305-1212	3/4"	1 3/16-12	1 1/16-12	37,5	55,0	30,0	32,0
1211510	R1A245L305-1616	1"	1 7/16-12	1 5/16-12	42,0	60,0	36,0	41,0
1211511	R1A245L305-2020	1"1/4	1 11/16-12	1 5/8-12	45,0	62,0	41,0	50,0
1211512	R1A245L305-2424	1"1/2	2-12	1 7/8-12	49,0	66,0	48,0	55,0

Dimensions shown may be changed without prior notice

// FLANGES

// R1A245133W

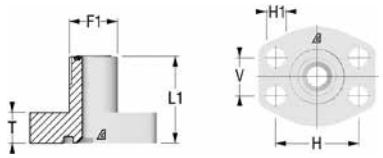
Straight flange SAE J518 code 61 - ORFS Male - Low pressure



Item Code	Part Number	OD1	F1	Flange Size	L	T	H	V	H1
		in			mm	mm	mm	mm	mm
1212569	R1A245133W-0608	3/8"	11/16-16	1/2	37,0	14,0	38,1	17,5	9,0
1212570	R1A245133W-0808	1/2"	13/16-16	1/2	39,0	14,0	38,1	17,5	9,0
1212571	R1A245133W-1008	5/8"	1-14	1/2	40,0	14,0	38,1	17,5	9,0
1212572	R1A245133W-1012	5/8"	1-14	3/4	44,0	15,0	47,6	22,2	11,0
1212573	R1A245133W-1212	3/4"	1 3/16-12	3/4	45,0	15,0	47,6	22,2	11,0
1212574	R1A245133W-1216	3/4"	1 3/16-12	1	48,0	17,0	52,4	26,2	11,0
1212575	R1A245133W-1616	1"	1 7/16-12	1	49,0	17,0	52,4	26,2	11,0
1212576	R1A245133W-1620	1"	1 7/16-12	1 1/4	55,0	21,0	58,7	30,2	11,5
1212577	R1A245133W-2020	1"1/4	1 11/16-12	1 1/4	55,0	21,0	58,7	30,2	11,5
1212578	R1A245133W-2024	1"1/4	1 11/16-12	1 1/2	59,0	24,0	69,9	35,7	13,5
1212579	R1A245133W-2424	1"1/2	2-12	1 1/2	61,0	24,0	69,9	35,7	13,5

// R1A245136W

Straight flange SAE J518 code 62 - ORFS Male - High pressure

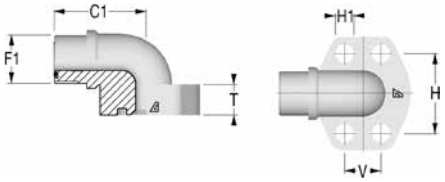


Item Code	Part Number	OD1	F1	Flange Size	L	T	H	V	H1
		in			mm	mm	mm	mm	mm
1212580	R1A245136W-0608	3/8"	11/16-16	1/2	37,0	15,0	40,5	18,2	9,0
1212581	R1A245136W-0808	1/2"	13/16-16	1/2	39,0	15,0	40,5	18,2	9,0
1212582	R1A245136W-1008	5/8"	1-14	1/2	40,0	15,0	40,5	18,2	9,0
1212583	R1A245136W-1012	5/8"	1-14	3/4	44,0	17,0	50,8	23,8	11,0
1212584	R1A245136W-1212	3/4"	1 3/16-12	3/4	45,0	17,0	50,8	23,8	11,0
1212585	R1A245136W-1216	3/4"	1 3/16-12	1	48,0	21,0	57,2	27,8	13,0
1212586	R1A245136W-1616	1"	1 7/16-12	1	49,0	21,0	57,2	27,8	13,0
1212587	R1A245136W-1620	1"	1 7/16-12	1 1/4	55,0	24,0	66,7	31,8	15,0
1212588	R1A245136W-2020	1"1/4	1 11/16-12	1 1/4	55,0	24,0	66,7	31,8	15,0
1212589	R1A245136W-2024	1"1/4	1 11/16-12	1 1/2	59,0	27,0	79,4	36,5	17,0
1212590	R1A245136W-2424	1"1/2	2-12	1 1/2	61,0	27,0	79,4	36,5	17,0

Dimensions shown may be changed without prior notice

// R1A245933W

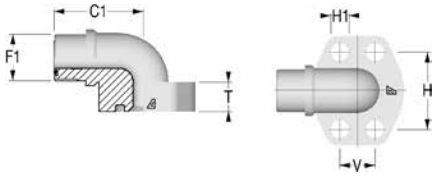
90° flange SAE J518 code 61 - ORFS Male - Low pressure



Item Code	Part Number	OD1	F1	Flange size	C1	T	H	V	H1
		in			mm	mm	mm	mm	mm
1212650	R1A245933W-0608	3/8"	11/16-16	1/2	37,0	17,0	38,1	17,5	9,0
1212651	R1A245933W-0808	1/2"	13/16-16	1/2	39,0	17,0	38,1	17,5	9,0
1212652	R1A245933W-1008	5/8"	1-14	1/2	40,0	20,0	38,1	17,5	9,0
1212653	R1A245933W-1012	5/8"	1-14	3/4	44,0	20,0	47,6	22,2	11,0
1212654	R1A245933W-1212	3/4"	1 3/16-12	3/4	45,0	25,0	47,6	22,2	11,0
1212655	R1A245933W-1216	3/4"	1 3/16-12	1	48,0	25,0	52,4	26,2	11,0
1212656	R1A245933W-1616	1"	1 7/16-12	1	49,0	31,0	52,4	26,2	11,0
1212657	R1A245933W-1620	1"	1 7/16-12	1 1/4	55,0	31,0	58,7	30,2	11,5
1212658	R1A245933W-2020	1"1/4	1 11/16-12	1 1/4	55,0	31,0	58,7	30,2	11,5
1212659	R1A245933W-2024	1"1/4	1 11/16-12	1 1/2	59,0	31,0	69,9	35,7	13,5
1212660	R1A245933W-2424	1"1/2	2-12	1 1/2	61,0	37,0	69,9	35,7	13,5

// R1A245936W

90° flange SAE J518 code 62 - ORFS Male - High pressure

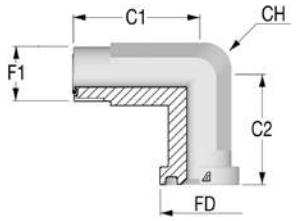


Item Code	Part Number	OD1	F1	Flange size	C1	T	H	V	H1
		in			mm	mm	mm	mm	mm
1212670	R1A245936W-0608	3/8"	11/16-16	1/2	37,0	17,0	40,5	18,2	9,0
1212671	R1A245936W-0808	1/2"	13/16-16	1/2	39,0	17,0	40,5	18,2	9,0
1212672	R1A245936W-1008	5/8"	1-14	1/2	40,0	20,0	40,5	18,2	9,0
1212673	R1A245936W-1012	5/8"	1-14	3/4	44,0	20,0	50,8	23,8	11,0
1212674	R1A245936W-1212	3/4"	1 3/16-12	3/4	45,0	25,0	50,8	23,8	11,0
1212675	R1A245936W-1216	3/4"	1 3/16-12	1	48,0	25,0	57,2	27,8	13,0
1212676	R1A245936W-1616	1"	1 7/16-12	1	49,0	31,0	57,2	27,8	13,0
1212677	R1A245936W-1620	1"	1 7/16-12	1 1/4	55,0	31,0	66,7	31,8	15,0
1212678	R1A245936W-2020	1"1/4	1 11/16-12	1 1/4	55,0	31,0	66,7	31,8	15,0
1212679	R1A245936W-2024	1"1/4	1 11/16-12	1 1/2	59,0	37,0	79,4	36,5	17,0
1212680	R1A245936W-2424	1"1/2	2-12	1 1/2	61,0	37,0	79,4	36,5	17,0

Dimensions shown may be changed without prior notice

// R1A2459334

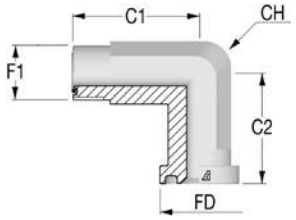
90° adjustable flange SAE J518 code 61 - ORFS Male - Low pressure



Item Code	Part Number	OD1	F1	Flange size	C1	C2	FD	CH
		in			mm	mm	mm	mm
1212662	R1A2459334-0808	1/2"	13/16-16	1/2	48,0	42,0	30,2	22,0
1212663	R1A2459334-1008	5/8"	1-14	1/2	50,0	44,0	30,2	22,0
1212664	R1A2459334-1212	3/4"	1 3/16-12	3/4	64,0	53,0	38,1	27,0
1212665	R1A2459334-1616	1"	1 7/16-12	1	65,0	60,0	44,4	34,0
1212666	R1A2459334-1620	1"	1 7/16-12	1 1/4	64,0	55,0	50,8	42,0
1212667	R1A2459334-2020	1"1/4	1 11/16-12	1 1/4	64,0	55,0	50,8	42,0
1212668	R1A2459334-2024	1"1/4	1 11/16-12	1 1/2	78,0	66,0	60,3	50,0
1212669	R1A2459334-2424	1"1/2	2-12	1 1/2	78,0	66,0	60,3	50,0

// R1A2459364

90° adjustable flange SAE J518 code 62 - ORFS Male - High pressure



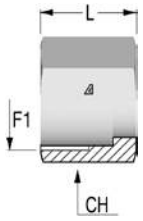
Item Code	Part Number	OD1	F1	Flange size	C1	C2	FD	CH
		in			mm	mm	mm	mm
1212681	R1A2459364-0608	3/8"	11/16-16	1/2	50,0	44,0	31,8	22,0
1212682	R1A2459364-0808	1/2"	13/16-16	1/2	43,0	49,0	31,8	22,0
1212683	R1A2459364-1008	5/8"	1-14	1/2	50,0	44,0	31,8	22,0
1212684	R1A2459364-1012	5/8"	1-14	3/4	64,0	53,0	41,3	27,0
1212685	R1A2459364-1212	3/4"	1 3/16-12	3/4	64,0	53,0	41,3	27,0
1212686	R1A2459364-1216	3/4"	1 3/16-12	1	62,0	60,0	47,6	34,0
1212687	R1A2459364-1616	1"	1 7/16-12	1	62,0	60,0	47,6	34,0
1212688	R1A2459364-1620	1"	1 7/16-12	1 1/4	72,0	70,0	54,0	42,0
1212689	R1A2459364-2020	1"1/4	1 11/16-12	1 1/4	72,0	70,0	54,0	42,0
1212690	R1A2459364-2024	1"1/4	1 11/16-12	1 1/2	84,0	80,0	63,5	50,0
1212691	R1A2459364-2424	1"1/2	2-12	1 1/2	84,0	80,0	63,5	50,0

Dimensions shown may be changed without prior notice

// ACCESSORIES

// HX0D2403

Nut ORFS



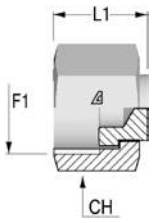
Item Code	Item Code	OD1	F1	CH	L
		mm		mm	mm
1248227	HU0D2403-160000	22	1 7/16-12	41,0	28,00
1223385	HX0D2403-040000	6	9/16-18	17,0	14,50
1221423	HX0D2403-060000	8	11/16-16	22,0	17,00
1209980	HX0D2403-080000	12	13/16-16	24,0	21,00
1209992	HX0D2403-100000	14	1-14	30,0	23,50
1210042	HX0D2403-120000	18	1 3/16-12	36,0	26,00
1217528	HX0D2403-160000	22	1 7/16-12	41,0	28,00
1217529	HX0D2403-200000	28	1 11/16-12	50,0	28,00
1217530	HX0D2403-240000	35	2-12	57,0	28,00

Dimensions shown may be changed without prior notice

// PLUG

// R1A2431000

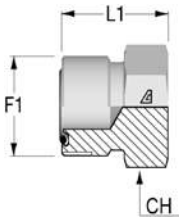
Cap ORFS Female



Item Code	Part Number	OD1	F1	CH	L
		in		mm	mm
1207932	R1A2431000-0400	1/4"	9/16-18	17,0	17,0
1207711	R1A2431000-0600	3/8"	11/16-16	22,0	20,0
1207933	R1A2431000-0800	1/2"	13/16-16	24,0	23,0
1208261	R1A2431000-1000	5/8"	1-14	30,0	27,0
1208260	R1A2431000-1200	3/4"	1 3/16-12	36,0	30,0
1208259	R1A2431000-1600	1"	1 7/16-12	41,0	31,0
1208258	R1A2431000-2000	1"1/4	1 11/16-12	50,0	31,0
1210844	R1A2431000-2400	1"1/2	2-12	57,0	31,0

// R1A2451000

Plug ORFS Male



Item Code	Part Number	OD1	F1	CH	L
		in		mm	mm
1207934	R1A2451000-0400	1/4"	9/16-18	17,0	16,5
1207772	R1A2451000-0600	3/8"	11/16-16	19,0	19,0
1207935	R1A2451000-0800	1/2"	13/16-16	22,0	22,0
1208215	R1A2451000-1000	5/8"	1-14	27,0	26,0
1208216	R1A2451000-1200	3/4"	1 3/16-12	32,0	27,5
1208217	R1A2451000-1600	1"	1 7/16-12	41,0	28,0
1208218	R1A2451000-2000	1"1/4	1 11/16-12	46,0	28,0
1210824	R1A2451000-2400	1"1/2	2-12	55,0	28,0

// BSP ADAPTERS

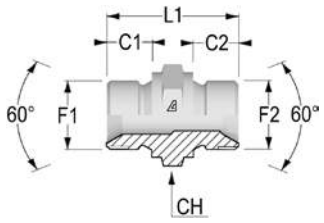
// MALE UNION 261
// MALE / FEMALE UNION 263
// FEMALE UNION 265
// BULKHEAD 266
// BSPP 268
// FLANGES 271
// PLUG 274

Dimensions shown may be changed without prior notice

// MALE UNION

// R1A05M105M

Straight union BSP 60° Male

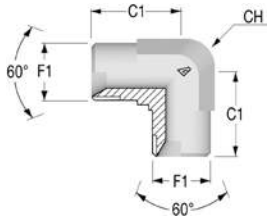


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1203778	R1A05M105M-0202	1/8"	1/8-28	1/8-28	8,0	8,0	14,0	25,0
1207670	R1A05M105M-0204	1/8"	1/8-28	1/4-19	8,0	11,0	19,0	27,5
1212029	R1A05M105M-0206	1/8"	1/8-28	3/8-19	8,0	12,0	22,0	30,0
1212030	R1A05M105M-0208	1/8"	1/8-28	1/2-14	8,0	14,0	27,0	33,0
1203775	R1A05M105M-0404	1/4"	1/4-19	1/4-19	11,0	11,0	19,0	31,0
1207671	R1A05M105M-0406	1/4"	1/4-19	3/8-19	11,0	12,0	22,0	33,5
1207672	R1A05M105M-0408	1/4"	1/4-19	1/2-14	11,0	14,0	27,0	36,0
1249471	R1A05M105M-0408	1/4"	1/4-19	1/2-14	11,0	14,0	27,0	36,0
1208335	R1A05M105M-0412	1/4"	1/4-19	3/4-14	11,0	16,0	32,0	39,5
1203798	R1A05M105M-0606	3/8"	3/8-19	3/8-19	12,0	12,0	22,0	35,0
1207673	R1A05M105M-0608	3/8"	3/8-19	1/2-14	12,0	14,0	27,0	37,5
1249468	R1A05M105M-0608	3/8"	3/8-19	1/2-14	12,0	14,0	27,0	37,5
1212031	R1A05M105M-0610	3/8"	3/8-19	5/8-14	12,0	16,0	30,0	40,5
1207701	R1A05M105M-0612	3/8"	3/8-19	3/4-14	12,0	16,0	32,0	41,0
1212032	R1A05M105M-0616	3/8"	3/8-19	1-11	12,0	18,0	41,0	46,0
1249469	R1A05M105M-0808	1/2"	1/2-14	1/2-14	14,0	14,0	27,0	40,0
1203766	R1A05M105M-0808	1/2"	1/2-14	1/2-14	14,0	14,0	27,0	40,0
1212033	R1A05M105M-0810	1/2"	1/2-14	5/8-14	14,0	16,0	30,0	43,0
1207674	R1A05M105M-0812	1/2"	1/2-14	3/4-14	14,0	16,0	32,0	43,5
1249472	R1A05M105M-0812	1/2"	1/2-14	3/4-14	14,0	16,0	32,0	43,5
1212034	R1A05M105M-0816	1/2"	1/2-14	1-11	14,0	18,0	41,0	48,0
1212035	R1A05M105M-0820	1/2"	1/2-14	1 1/4-11	14,0	20,0	50,0	52,0
1212036	R1A05M105M-0824	1/2"	1/2-14	1 1/2-11	14,0	22,0	55,0	56,0
1203803	R1A05M105M-1010	5/8"	5/8-14	5/8-14	16,0	16,0	30,0	45,0
1208252	R1A05M105M-1012	5/8"	5/8-14	3/4-14	16,0	16,0	32,0	45,5
1205572	R1A05M105M-1016	5/8"	5/8-14	1-11	16,0	18,0	41,0	50,0
1212037	R1A05M105M-1020	5/8"	5/8-14	1 1/4-11	16,0	20,0	50,0	54,0
1249470	R1A05M105M-1212	3/4"	3/4-14	3/4-14	16,0	16,0	32,0	45,5
1203789	R1A05M105M-1212	3/4"	3/4-14	3/4-14	16,0	16,0	32,0	45,5
1207675	R1A05M105M-1216	3/4"	3/4-14	1-11	16,0	18,0	41,0	50,0
1208293	R1A05M105M-1220	3/4"	3/4-14	1 1/4-11	16,0	20,0	50,0	54,0
1212038	R1A05M105M-1224	3/4"	3/4-14	1 1/2-11	16,0	22,0	55,0	58,0
1203747	R1A05M105M-1616	1"	1-11	1-11	18,0	18,0	41,0	52,0
1207676	R1A05M105M-1620	1"	1-11	1 1/4-11	18,0	20,0	50,0	56,0
1207677	R1A05M105M-1624	1"	1-11	1 1/2-11	18,0	22,0	55,0	60,0
1203757	R1A05M105M-2020	1"1/4	1 1/4-11	1 1/4-11	20,0	20,0	50,0	58,0
1208195	R1A05M105M-2024	1"1/4	1 1/4-11	1 1/2-11	20,0	22,0	55,0	62,0
1212040	R1A05M105M-2032	1"1/4	1 1/4-11	2-11	20,0	24,0	70,0	64,5
1203751	R1A05M105M-2424	1"1/2	1 1/2-11	1 1/2-11	22,0	22,0	55,0	64,0
1205940	R1A05M105M-2432	1"1/2	1 1/2-11	2-11	22,0	24,0	70,0	66,5
1203780	R1A05M105M-3232	2"	2-11	2-11	24,0	24,0	70,0	69,0

Dimensions shown may be changed without prior notice

// R1A05M905M

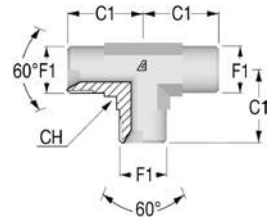
90° union BSP 60° Male



Item Code	Part Number	OD1	F1	C1	CH
		in		mm	mm
1207905	R1A05M905M-0202	1/8"	1/8-28	20,0	12,0
1207505	R1A05M905M-0404	1/4"	1/4-19	26,0	14,0
1206438	R1A05M905M-0606	3/8"	3/8-19	30,0	17,0
1207542	R1A05M905M-0808	1/2"	1/2-14	35,0	22,0
1212187	R1A05M905M-1010	5/8"	5/8-14	38,0	22,0
1203905	R1A05M905M-1212	3/4"	3/4-14	42,0	27,0
1208198	R1A05M905M-1616	1"	1-11	47,0	33,0
1208199	R1A05M905M-2020	1"1/4	1 1/4-11	52,0	41,0
1210968	R1A05M905M-2424	1"1/2	1 1/2-11	60,0	48,0

// R1A05MT05M

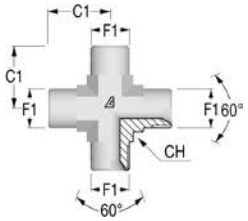
Branch Tee union BSP 60° Male



Item Code	Part Number	OD1	F1	C1	CH
		in		mm	mm
1211959	R1A05MT05M-0202	1/8"	1/8-28	20,0	12,0
1203955	R1A05MT05M-0404	1/4"	1/4-19	26,0	14,0
1203956	R1A05MT05M-0606	3/8"	3/8-19	30,0	17,0
1206940	R1A05MT05M-0808	1/2"	1/2-14	35,0	22,0
1211960	R1A05MT05M-1010	5/8"	5/8-14	38,0	22,0
1207236	R1A05MT05M-1212	3/4"	3/4-14	42,0	27,0
1206450	R1A05MT05M-1616	1"	1-11	47,0	33,0
1208144	R1A05MT05M-2020	1"1/4	1 1/4-11	52,0	41,0
1208145	R1A05MT05M-2424	1"1/2	1 1/2-11	60,0	48,0

// R1A05MX05M

Cross union BSP 60° Male



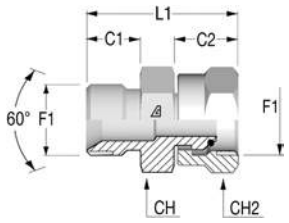
Item Code	Part Number	OD1	F1	C1	CH
		in		mm	mm
1212021	R1A05MX05M-0202	1/8"	1/8-28	20,0	12,0
1212022	R1A05MX05M-0404	1/4"	1/4-19	26,0	14,0
1212023	R1A05MX05M-0606	3/8"	3/8-19	30,0	17,0
1206941	R1A05MX05M-0808	1/2"	1/2-14	35,0	22,0
1212024	R1A05MX05M-1010	5/8"	5/8-14	38,0	22,0
1212025	R1A05MX05M-1212	3/4"	3/4-14	42,0	27,0
1212026	R1A05MX05M-1616	1"	1-11	47,0	33,0
1212027	R1A05MX05M-2020	1"1/4	1 1/4-11	52,0	41,0
1212028	R1A05MX05M-2424	1"1/2	1 1/2-11	60,0	48,0

Dimensions shown may be changed without prior notice

// MALE / FEMALE UNION

// R1A05M1051

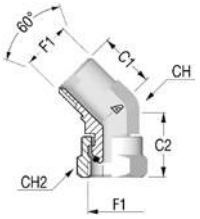
Straight union BSP 60° Male - Female



Item Code	Part Number	OD1	F1	C1	C2	CH	CH2	L
		in		mm	mm	mm	mm	mm
1216217	R1A05M1051-0202	1/8"	1/8-28	9,5	13,0	14,0	14,0	29,0
1207697	R1A05M1051-0404	1/4"	1/4-19	13,0	15,5	19,0	19,0	33,5
1207698	R1A05M1051-0606	3/8"	3/8-19	14,5	17,7	22,0	22,0	38,7
1207699	R1A05M1051-0808	1/2"	1/2-14	17,0	19,0	27,0	27,0	43,0
1207700	R1A05M1051-1212	3/4"	3/4-14	19,0	22,0	32,0	32,0	50,0
1207686	R1A05M1051-1616	1"	1-11	21,0	25,5	41,0	38,0	59,5
1207783	R1A05M1052-2020	1"1/4	1 1/4-11	20,0	31,1	50,0	50,0	69,1
1207784	R1A05M1052-2424	1"1/2	1 1/2-11	22,0	35,0	55,0	55,0	75,0

// R1A05M4051

45° union BSP 60° Male - Female

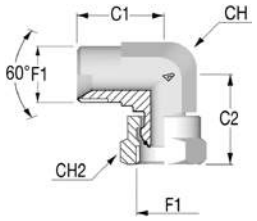


Item Code	Part Number	OD1	F1	C1	C2	CH	CH2
		in		mm	mm	mm	mm
1212126	R1A05M4051-0202	1/8"	1/8-28	16,0	20,5	12,0	14,0
1212145	R1A05M4051-0404	1/4"	1/4-19	21,0	25,5	14,0	19,0
1212146	R1A05M4051-0606	3/8"	3/8-19	24,0	31,2	17,0	22,0
1207907	R1A05M4051-0808	1/2"	1/2-14	27,0	35,5	22,0	27,0
1207786	R1A05M4051-1212	3/4"	3/4-14	32,0	39,0	27,0	32,0
1210963	R1A05M4051-1616	1"	1-11	35,0	42,5	33,0	38,0
1212148	R1A05M4052-2020	1"1/4	1 1/4-11	37,0	44,1	41,0	50,0
1212149	R1A05M4082-2424	1"1/2	1 1/2-11	46,0	59,2	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A05M9051

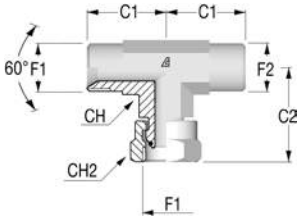
90° union BSP 60° Male - Female



Item Code	Part Number	OD1	F1	C1	C2	CH	CH2
		in		mm	mm	mm	mm
1218490	R1A05M9051-0202	1/8"	1/8-28	22,0	26,5	12,0	14,0
1207702	R1A05M9051-0404	1/4"	1/4-19	26,0	30,5	14,0	19,0
1207703	R1A05M9051-0606	3/8"	3/8-19	30,0	36,2	17,0	22,0
1207704	R1A05M9051-0808	1/2"	1/2-14	35,0	41,5	22,0	27,0
1212219	R1A05M9051-1010	5/8"	5/8-14	38,0	47,7	22,0	27,0
1207946	R1A05M9051-1212	3/4"	3/4-14	42,0	51,0	27,0	32,0
1207947	R1A05M9051-1616	1"	1-11	47,0	54,5	33,0	38,0
1207948	R1A05M9052-2020	1"1/4	1 1/4-11	52,0	59,1	41,0	50,0
1208137	R1A05M9052-2424	1"1/2	1 1/2-11	60,0	73,2	48,0	55,0

// R1A05MT051

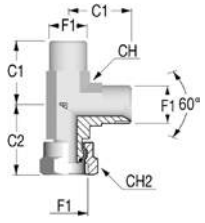
Branch Tee union BSP 60° Male - Female



Item Code	Part Number	OD1	F1	C1	C2	CH	CH2
		in		mm	mm	mm	mm
1211970	R1A05MT051-0202	1/8"	1/8-28	22,0	27,0	12,0	14,0
1207705	R1A05MT051-0404	1/4"	1/4-19	26,0	30,5	14,0	19,0
1207706	R1A05MT051-0606	3/8"	3/8-19	30,0	36,2	17,0	22,0
1207707	R1A05MT051-0808	1/2"	1/2-14	35,0	41,5	22,0	27,0
1211982	R1A05MT082-1010	5/8"	5/8-14	38,0	47,7	22,0	27,0
1207708	R1A05MT051-1212	3/4"	3/4-14	42,0	51,0	27,0	32,0
1207709	R1A05MT051-1616	1"	1-11	47,0	54,5	33,0	38,0
1210950	R1A05MT082-2020	1"1/4	1 1/4-11	52,0	59,1	41,0	50,0
1211983	R1A05MT052-2424	1"1/2	1 1/2-11	60,0	73,2	48,0	55,0

// R1A05ML051

Run Tee union BSP 60° Male - Female



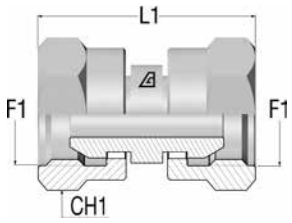
Item Code	Part Number	OD1	F1	C1	C2	CH	CH2
		in		mm	mm	mm	mm
1211908	R1A05ML051-0202	1/8"	1/8-28	22,0	26,5	12,0	14,0
1207787	R1A05ML051-0404	1/4"	1/4-19	26,0	30,5	14,0	19,0
1207788	R1A05ML051-0606	3/8"	3/8-19	30,0	36,2	17,0	22,0
1207789	R1A05ML051-0808	1/2"	1/2-14	35,0	41,5	22,0	27,0
1207790	R1A05ML051-1212	3/4"	3/4-14	42,0	51,0	27,0	32,0
1207791	R1A05ML051-1616	1"	1-11	47,0	54,5	33,0	38,0
1210946	R1A05ML052-2020	1"1/4	1 1/4-11	52,0	59,1	41,0	50,0
1211921	R1A05ML052-2424	1"1/2	1 1/2-11	60,0	73,2	48,0	55,0

Dimensions shown may be changed without prior notice

// FEMALE UNION

// R1A0511051

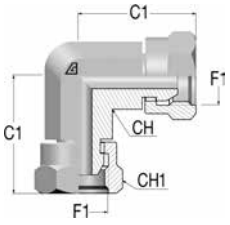
Straight union BSP 60° Female



Item Code	Part Number	OD1	F1	CH1	L
		in		mm	mm
1205935	R1A0511051-0404	1/4"	1/4-19	19,0	36,0
1205934	R1A0511051-0606	3/8"	3/8-19	22,0	38,9
1205936	R1A0511051-0808	1/2"	1/2-14	27,0	44,5
1207901	R1A0511051-1212	3/4"	3/4-14	32,0	49,5
1203738	R1A0511051-1616	1"	1-11	38,0	56,0

// R1A0519051

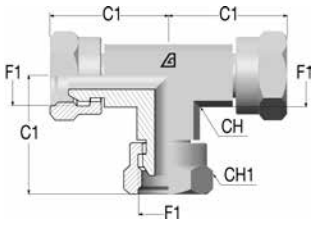
90° union BSP 60° Female



Item Code	Part Number	OD1	F1	C1	CH	CH1
		in		mm	mm	mm
1224079	R1A0519051-0404	1/4"	1/4-19	30,5	14,0	19,0
1224080	R1A0519051-0606	3/8"	3/8-19	36,2	17,0	22,0
1208320	R1A0519051-0808	1/2"	1/2-14	41,5	22,0	27,0
1224081	R1A0519051-1212	3/4"	3/4-14	51,0	27,0	32,0
1224082	R1A0519051-1616	1"	1-11	54,5	33,0	38,0

// R1A051T051

Branch Tee union BSP 60° Female



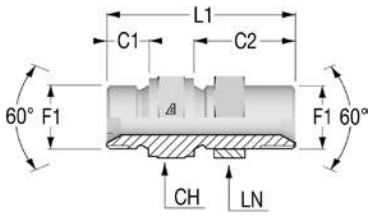
Item Code	Part Number	OD1	F1	C1	CH	CH1
		in		mm	mm	mm
1218501	R1A051T051-0404	1/4"	1/4-19	30,5	14,0	19,0
1218502	R1A051T051-0606	3/8"	3/8-19	36,2	17,0	22,0
1218503	R1A051T051-0808	1/2"	1/2-14	41,5	22,0	27,0
1206665	R1A051T051-1212	3/4"	3/4-14	51,0	27,0	32,0
1218505	R1A051T051-1616	1"	1-11	54,5	33,0	38,0

Dimensions shown may be changed without prior notice

// BULKHEAD

// R1A05M105T

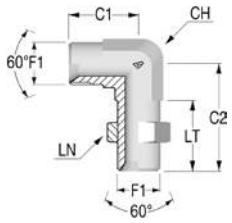
Straight union BSP 60° Bulkhead



Item Code	Part Number	OD1	F1	C1	C2	CH	LN	L
		in		mm	mm	mm	mm	mm
1212042	R1A05M105T-0202	1/8"	1/8-28	9,5	25,0	14,0	14,0	40,5
1207678	R1A05M105T-0404	1/4"	1/4-19	13,0	29,0	19,0	19,0	47,0
1207679	R1A05M105T-0606	3/8"	3/8-19	14,5	31,0	22,0	22,0	51,5
1207680	R1A05M105T-0808	1/2"	1/2-14	17,0	34,0	27,0	27,0	58,0
1207681	R1A05M105T-1010	5/8"	5/8-14	19,0	37,0	30,0	32,0	63,0
1207682	R1A05M105T-1212	3/4"	3/4-14	19,0	37,0	32,0	32,0	63,5
1207683	R1A05M105T-1616	1"	1-11	21,0	41,0	41,0	41,0	72,0
1207684	R1A05M105T-2020	1"1/4	1 1/4-11	23,0	45,0	50,0	50,0	80,0
1210955	R1A05M105T-2424	1"1/2	1 1/2-11	25,0	49,0	55,0	55,0	88,0

// R1A05M905T

90° elbow connector BSP 60° Bulkhead

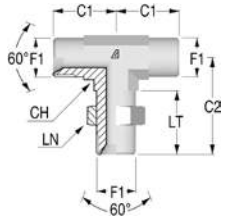


Item Code	Part Number	OD1	F1	C1	C2	CH	LN	LT
		in		mm	mm	mm	mm	mm
1212188	R1A05M905T-0202	1/8"	1/8-28	20,0	37,0	12,0	14,0	25,0
1210969	R1A05M905T-0404	1/4"	1/4-19	26,0	47,0	14,0	19,0	29,0
1210970	R1A05M905T-0606	3/8"	3/8-19	30,0	49,0	17,0	22,0	31,0
1210971	R1A05M905T-0808	1/2"	1/2-14	35,0	55,0	22,0	27,0	34,0
1212189	R1A05M905T-1010	5/8"	5/8-14	38,0	59,0	22,0	32,0	37,0
1210972	R1A05M905T-1212	3/4"	3/4-14	42,0	63,0	33,0	41,0	35,0
1210973	R1A05M905T-1616	1"	1-11	47,0	69,0	33,0	41,0	41,0
1210974	R1A05M905T-2020	1"1/4	1 1/4-11	52,0	77,0	41,0	50,0	45,0
1210975	R1A05M905T-2424	1"1/2	1 1/2-11	60,0	87,0	48,0	55,0	49,0

Dimensions shown may be changed without prior notice

// R1A05MT05T

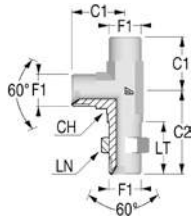
Branch Tee union BSP 60° Bulkhead



Item Code	Part Number	OD1	F1	C1	C2	CH	LN	LT
		in		mm	mm	mm	mm	mm
1211961	R1A05MT05T-0202	1/8"	1/8-28	20,0	37,0	12,0	14,0	25,0
1211962	R1A05MT05T-0404	1/4"	1/4-19	26,0	44,0	14,0	19,0	29,0
1211963	R1A05MT05T-0606	3/8"	3/8-19	27,0	49,0	17,0	22,0	31,0
1211964	R1A05MT05T-0808	1/2"	1/2-14	35,0	55,0	22,0	27,0	34,0
1211965	R1A05MT05T-1010	5/8"	5/8-14	38,0	59,0	22,0	32,0	37,0
1211966	R1A05MT05T-1212	3/4"	3/4-14	42,0	63,0	27,0	36,0	37,0
1211967	R1A05MT05T-1616	1"	1-11	47,0	69,0	33,0	41,0	41,0
1211968	R1A05MT05T-2020	1"1/4	1 1/4-11	52,0	77,0	41,0	50,0	45,0
1211969	R1A05MT05T-2424	1"1/2	1 1/2-11	60,0	87,0	48,0	55,0	49,0

// R1A05ML05T

Run Tee union BSP 60° Bulkhead



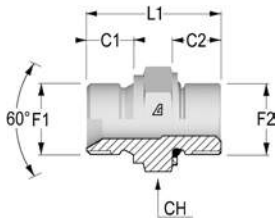
Item Code	Part Number	OD1	F1	C1	C2	CH	LN	LT
		in		mm	mm	mm	mm	mm
1211899	R1A05ML05T-0202	1/8"	1/8-28	20,0	37,0	12,0	14,0	25,0
1211900	R1A05ML05T-0404	1/4"	1/4-19	26,0	44,0	14,0	19,0	29,0
1211901	R1A05ML05T-0606	3/8"	3/8-19	27,0	49,0	17,0	22,0	31,0
1211902	R1A05ML05T-0808	1/2"	1/2-14	35,0	55,0	22,0	27,0	34,0
1211903	R1A05ML05T-1010	5/8"	5/8-14	38,0	59,0	22,0	32,0	37,0
1211904	R1A05ML05T-1212	3/4"	3/4-14	42,0	63,0	27,0	36,0	37,0
1211905	R1A05ML05T-1616	1"	1-11	47,0	69,0	33,0	41,0	41,0
1211906	R1A05ML05T-2020	1"1/4	1 1/4-11	52,0	77,0	41,0	50,0	45,0
1211907	R1A05ML05T-2424	1"1/2	1 1/2-11	60,0	87,0	48,0	55,0	49,0

Dimensions shown may be changed without prior notice

// BSPP

// R1A05M106N

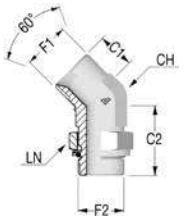
Straight connector BSP 60° Male - BSPP cylindric Male with O-Ring and retaining ring



Item Code	Part Number	OD1	F1	F2	C1	C2	CH	L
		in			mm	mm	mm	mm
1212043	R1A05M106N-0202	1/8"	1/8-28	1/8-28	8,0	7,5	14,0	21,5
1212044	R1A05M106N-0204	1/8"	1/8-28	1/4-19	8,0	11,0	19,0	28,0
1212046	R1A05M106N-0406	1/4"	1/4-19	3/8-19	11,0	11,0	22,0	31,0
1212047	R1A05M106N-0604	3/8"	3/8-19	1/4-19	13,0	13,0	22,0	33,0
1212048	R1A05M106N-0606	3/8"	3/8-19	3/8-19	13,0	11,0	22,0	34,0
1212049	R1A05M106N-0608	3/8"	3/8-19	1/2-14	13,0	14,5	27,0	38,0
1212050	R1A05M106N-0806	1/2"	1/2-14	3/8-19	16,0	11,0	27,0	35,0
1212051	R1A05M106N-0808	1/2"	1/2-14	1/2-14	16,0	16,0	27,0	40,0
1212052	R1A05M106N-0812	1/2"	1/2-14	3/4-14	16,0	14,5	32,0	40,0
1212053	R1A05M106N-1008	5/8"	5/8-14	1/2-14	16,0	14,5	27,0	38,5
1236668	R1A05M106N-1208	3/4"	3/4-14	1/2-14	17,0	14,5	32,0	44,0
1212055	R1A05M106N-1212	3/4"	3/4-14	3/4-14	17,0	14,5	32,0	46,0
1212056	R1A05M106N-1216	3/4"	3/4-14	1-11	17,0	18,5	41,0	52,0
1212057	R1A05M106N-1612	1"	1-11	3/4-14	19,0	14,5	41,0	49,0
1212058	R1A05M106N-1616	1"	1-11	1-11	19,0	18,5	41,0	55,0
1212059	R1A05M106N-1620	1"	1-11	1 1/4-11	19,0	18,5	50,0	60,0
1212060	R1A05M106N-2020	1"1/4	1 1/4-11	1 1/4-11	20,0	18,5	50,0	62,5
1212061	R1A05M106N-2424	1"1/2	1 1/2-11	1 1/2-11	22,0	18,5	55,0	63,0

// R1A05M406N

45° adjustable elbow connector BSP 60° Male - BSPP cylindric Male with O-Ring and retaining ring

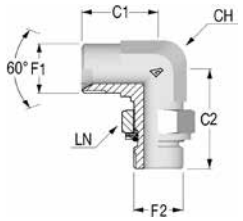


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1212127	R1A05M406N-0202	1/8"	1/8-28	1/8-28	20,0	26,0	12,0	14,0
1212128	R1A05M406N-0204	1/8"	1/8-28	1/4-19	21,0	28,0	14,0	19,0
1210962	R1A05M406N-0404	1/4"	1/4-19	1/4-19	21,0	28,0	14,0	19,0
1212129	R1A05M406N-0406	1/4"	1/4-19	3/8-19	22,0	33,0	17,0	22,0
1212130	R1A05M406N-0604	3/8"	3/8-19	1/4-19	25,0	30,0	17,0	19,0
1212131	R1A05M406N-0606	3/8"	3/8-19	3/8-19	25,0	33,0	17,0	22,0
1212132	R1A05M406N-0608	3/8"	3/8-19	1/2-14	25,5	38,0	19,0	27,0
1212133	R1A05M406N-0806	1/2"	1/2-14	3/8-19	26,0	35,0	19,0	22,0
1212134	R1A05M406N-0808	1/2"	1/2-14	1/2-14	28,0	38,0	22,0	27,0
1212135	R1A05M406N-0810	1/2"	1/2-14	5/8-14	39,0	50,0	27,0	32,0
1212136	R1A05M406N-1008	5/8"	5/8-14	1/2-14	28,0	38,0	22,0	27,0
1212137	R1A05M406N-1208	3/4"	3/4-14	1/2-14	32,0	40,0	27,0	27,0
1212138	R1A05M406N-1212	3/4"	3/4-14	3/4-14	32,0	44,0	27,0	36,0
1212139	R1A05M406N-1216	3/4"	3/4-14	1-11	35,0	47,0	33,0	41,0
1212140	R1A05M406N-1612	1"	1-11	3/4-14	37,0	47,0	33,0	36,0
1212141	R1A05M406N-1616	1"	1-11	1-11	37,0	47,0	33,0	41,0
1212142	R1A05M406N-1620	1"	1-11	1 1/4-11	39,0	49,0	41,0	50,0
1212143	R1A05M406N-2020	1"1/4	1 1/4-11	1 1/4-11	40,0	49,0	41,0	50,0
1212144	R1A05M406N-2424	1"1/2	1 1/2-11	1 1/2-11	45,0	49,0	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A05M906N

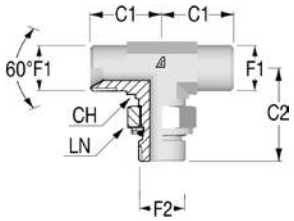
90° adjustable elbow connector BSP 60° Male - BSPP cylindric Male with O-Ring and retaining ring



Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1212191	R1A05M906N-0202	1/8"	1/8-28	1/8-28	22,0	27,0	12,0	14,0
1212192	R1A05M906N-0204	1/8"	1/8-28	1/4-19	24,0	31,5	14,0	19,0
1208135	R1A05M906N-0404	1/4"	1/4-19	1/4-19	27,0	31,5	14,0	19,0
1212193	R1A05M906N-0406	1/4"	1/4-19	3/8-19	28,0	37,0	17,0	22,0
1212194	R1A05M906N-0604	3/8"	3/8-19	1/4-19	29,0	35,0	17,0	19,0
1207949	R1A05M906N-0606	3/8"	3/8-19	3/8-19	29,0	37,0	17,0	22,0
1212195	R1A05M906N-0608	3/8"	3/8-19	1/2-14	32,0	43,0	19,0	27,0
1212196	R1A05M906N-0806	1/2"	1/2-14	3/8-19	34,0	40,0	19,0	22,0
1207950	R1A05M906N-0808	1/2"	1/2-14	1/2-14	34,0	43,0	22,0	27,0
1212199	R1A05M906N-1208	3/4"	3/4-14	1/2-14	41,0	46,0	27,0	27,0
1208136	R1A05M906N-1212	3/4"	3/4-14	3/4-14	41,0	50,0	27,0	36,0
1212200	R1A05M906N-1216	3/4"	3/4-14	1-11	43,0	53,0	33,0	41,0
1212201	R1A05M906N-1612	1"	1-11	3/4-14	46,0	52,0	33,0	36,0
1210745	R1A05M906N-1616	1"	1-11	1-11	46,0	53,0	33,0	41,0
1212202	R1A05M906N-1620	1"	1-11	1 1/4-11	50,0	58,0	41,0	50,0
1210976	R1A05M906N-2020	1"1/4	1 1/4-11	1 1/4-11	51,0	58,0	41,0	50,0
1210977	R1A05M906N-2424	1"1/2	1 1/2-11	1 1/2-11	59,0	67,0	48,0	55,0

// R1A05MT06N

Branch Tee adjustable elbow connector BSP 60° Male - BSPP cylindric Male with O-Ring and retaining ring

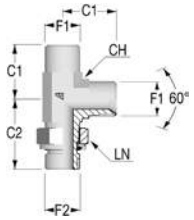


Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1211971	R1A05MT06N-0202	1/8"	1/8-28	1/8-28	22,0	27,0	12,0	14,0
1211972	R1A05MT06N-0204	1/8"	1/8-28	1/4-19	24,0	31,5	14,0	19,0
1208147	R1A05MT06N-0404	1/4"	1/4-19	1/4-19	27,0	31,5	14,0	19,0
1211973	R1A05MT06N-0406	1/4"	1/4-19	3/8-19	28,0	37,0	17,0	22,0
1211974	R1A05MT06N-0604	3/8"	3/8-19	1/4-19	29,0	35,0	17,0	19,0
1210749	R1A05MT06N-0606	3/8"	3/8-19	3/8-19	29,0	37,0	17,0	22,0
1211976	R1A05MT06N-0806	1/2"	1/2-14	3/8-19	34,0	40,0	19,0	22,0
1210713	R1A05MT06N-0808	1/2"	1/2-14	1/2-14	34,0	43,0	22,0	27,0
1211978	R1A05MT06N-1008	5/8"	5/8-14	1/2-14	37,0	43,0	22,0	27,0
1211979	R1A05MT06N-1208	3/4"	3/4-14	1/2-14	41,0	46,0	27,0	27,0
1210750	R1A05MT06N-1212	3/4"	3/4-14	3/4-14	41,0	50,0	27,0	36,0
1211980	R1A05MT06N-1216	3/4"	3/4-14	1-11	43,0	53,0	33,0	41,0
1211981	R1A05MT06N-1612	1"	1-11	3/4-14	46,0	52,0	33,0	36,0
1210947	R1A05MT06N-1616	1"	1-11	1-11	46,0	53,0	33,0	41,0
1207710	R1A05MT06N-1620	1"	1-11	1 1/4-11	50,0	58,0	41,0	50,0
1210948	R1A05MT06N-2020	1"1/4	1 1/4-11	1 1/4-11	51,0	58,0	41,0	50,0
1210949	R1A05MT06N-2424	1"1/2	1 1/2-11	1 1/2-11	59,0	67,0	48,0	55,0

Dimensions shown may be changed without prior notice

// R1A05ML06N

Run Tee adjustable elbow connector BSP 60° Male - BSPP cylindric Male with O-Ring and retaining ring



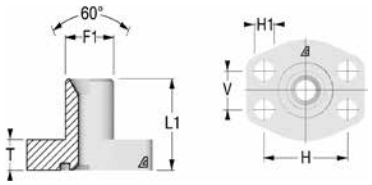
Item Code	Part Number	OD1	F1	F2	C1	C2	CH	LN
		in			mm	mm	mm	mm
1211909	R1A05ML06N-0202	1/8"	1/8-28	1/8-28	22,0	27,0	12,0	14,0
1211910	R1A05ML06N-0204	1/8"	1/8-28	1/4-19	24,0	31,5	14,0	19,0
1210746	R1A05ML06N-0404	1/4"	1/4-19	1/4-19	27,0	31,5	14,0	19,0
1211911	R1A05ML06N-0406	1/4"	1/4-19	3/8-19	28,0	37,0	17,0	22,0
1211912	R1A05ML06N-0604	3/8"	3/8-19	1/4-19	29,0	35,0	17,0	19,0
1208140	R1A05ML06N-0606	3/8"	3/8-19	3/8-19	29,0	37,0	17,0	22,0
1211913	R1A05ML06N-0608	3/8"	3/8-19	1/2-14	32,0	43,0	19,0	27,0
1211914	R1A05ML06N-0806	1/2"	1/2-14	3/8-19	34,0	40,0	19,0	22,0
1208141	R1A05ML06N-0808	1/2"	1/2-14	1/2-14	34,0	43,0	22,0	27,0
1211915	R1A05ML06N-0810	1/2"	1/2-14	5/8-14	39,0	50,0	27,0	32,0
1211916	R1A05ML06N-1008	5/8"	5/8-14	1/2-14	37,0	43,0	22,0	27,0
1211917	R1A05ML06N-1208	3/4"	3/4-14	1/2-14	41,0	46,0	27,0	27,0
1210715	R1A05ML06N-1212	3/4"	3/4-14	3/4-14	41,0	50,0	27,0	36,0
1211918	R1A05ML06N-1216	3/4"	3/4-14	1-11	43,0	53,0	33,0	41,0
1211919	R1A05ML06N-1612	1"	1-11	3/4-14	46,0	52,0	33,0	36,0
1210942	R1A05ML06N-1616	1"	1-11	1-11	46,0	53,0	33,0	41,0
1210943	R1A05ML06N-1620	1"	1-11	1 1/4-11	50,0	58,0	41,0	50,0
1210944	R1A05ML06N-2020	1"1/4	1 1/4-11	1 1/4-11	51,0	58,0	41,0	50,0
1210945	R1A05ML06N-2424	1"1/2	1 1/2-11	1 1/2-11	59,0	67,0	48,0	55,0

Dimensions shown may be changed without prior notice

// FLANGES

// R1A05M133W

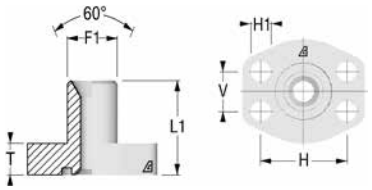
Straight flange SAE J518 code 61 - BSP - Low pressure



Item Code	Part Number	OD1	F1	Flange Size	L	T	H	V	H1
		in			mm	mm	mm	mm	mm
1212081	R1A05M133W-0608	3/8"	3/8-19	1/2	37,0	14,0	38,1	17,5	9,0
1212082	R1A05M133W-0808	1/2"	1/2-14	1/2	39,0	14,0	38,1	17,5	9,0
1212083	R1A05M133W-0812	1/2"	1/2-14	3/4	42,0	15,0	47,6	22,2	11,0
1212084	R1A05M133W-1208	3/4"	3/4-14	1/2	42,0	14,0	38,1	17,5	9,0
1212085	R1A05M133W-1212	3/4"	3/4-14	3/4	45,0	15,0	47,6	22,2	11,0
1212086	R1A05M133W-1216	3/4"	3/4-14	1	47,0	17,0	52,4	26,2	11,0
1212087	R1A05M133W-1612	1"	1-11	3/4	47,0	15,0	47,6	22,2	11,0
1212088	R1A05M133W-1616	1"	1-11	1	53,0	21,0	58,7	30,2	11,5
1212089	R1A05M133W-2016	1"1/4	1 1/4-11	1	49,0	17,0	52,4	26,2	11,0
1212090	R1A05M133W-2020	1"1/4	1 1/4-11	1 1/4	53,0	21,0	58,7	30,2	11,5
1212091	R1A05M133W-2024	1"1/4	1 1/4-11	1 1/2	59,0	24,0	69,9	35,7	13,5
1212092	R1A05M133W-2420	1"1/2	1 1/2-11	1 1/4	55,0	21,0	58,7	30,2	11,5
1212093	R1A05M133W-2424	1"1/2	1 1/2-11	1 1/2	61,0	24,0	69,9	35,7	13,5

// R1A05M136W

Straight flange SAE J518 code 62 - BSP - High pressure

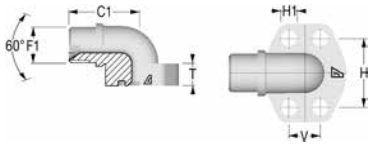


Item Code	Part Number	OD1	F1	Flange Size	L	T	H	V	H1
		in			mm	mm	mm	mm	mm
1212094	R1A05M136W-0608	3/8"	3/8-19	1/2	37,0	14,0	38,1	17,5	9,0
1212095	R1A05M136W-0808	1/2"	1/2-14	1/2	39,0	14,0	38,1	17,5	9,0
1212096	R1A05M136W-0812	1/2"	1/2-14	3/4	42,0	15,0	47,6	22,2	11,0
1212097	R1A05M136W-1208	3/4"	3/4-14	1/2	42,0	14,0	38,1	17,5	9,0
1212098	R1A05M136W-1212	3/4"	3/4-14	3/4	45,0	15,0	47,6	22,2	11,0
1212099	R1A05M136W-1216	3/4"	3/4-14	1	47,0	17,0	52,4	26,2	11,0
1212100	R1A05M136W-1612	1"	1-11	3/4	47,0	15,0	47,6	22,2	11,0
1212101	R1A05M136W-1616	1"	1-11	1	49,0	17,0	52,4	26,2	11,0
1212102	R1A05M136W-1620	1"	1-11	1 1/4	53,0	21,0	58,7	30,2	11,5
1212103	R1A05M136W-2016	1"1/4	1 1/4-11	1	49,0	17,0	52,4	26,2	11,0
1212104	R1A05M136W-2020	1"1/4	1 1/4-11	1 1/4	53,0	21,0	58,7	30,2	11,5
1212105	R1A05M136W-2024	1"1/4	1 1/4-11	1 1/2	59,0	24,0	69,9	35,7	13,5
1212106	R1A05M136W-2420	1"1/2	1 1/2-11	1 1/4	55,0	21,0	58,7	30,2	11,5
1212107	R1A05M136W-2424	1"1/2	1 1/2-11	1 1/2	61,0	24,0	69,9	35,7	13,5

Dimensions shown may be changed without prior notice

// R1A05M933W

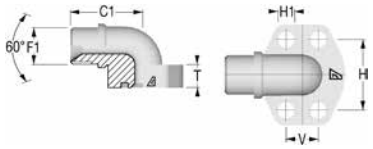
90° flange SAE J518 code 61 - BSP - Low pressure



Item Code	Part Number	OD1	F1	Flange size	C1	T	H	V	H1
		in			mm	mm	mm	mm	mm
1212252	R1A05M933W-0608	3/8"	3/8-19	1/2	37,0	17,0	38,1	17,5	9,0
1212253	R1A05M933W-0808	1/2"	1/2-14	1/2	39,0	17,0	38,1	17,5	9,0
1212254	R1A05M933W-0812	1/2"	1/2-14	3/4	41,0	20,0	47,6	22,2	11,0
1212255	R1A05M933W-1208	3/4"	3/4-14	1/2	40,0	20,0	38,1	17,5	9,0
1212256	R1A05M933W-1212	3/4"	3/4-14	3/4	44,0	20,0	47,6	22,2	11,0
1212257	R1A05M933W-1216	3/4"	3/4-14	1	47,0	20,0	52,4	26,2	11,0
1212258	R1A05M933W-1612	1"	1-11	3/4	45,0	25,0	47,6	22,2	11,0
1212259	R1A05M933W-1616	1"	1-11	1	48,0	25,0	52,4	26,2	11,0
1212260	R1A05M933W-1620	1"	1-11	1 1/4	54,0	25,0	58,7	30,2	11,5
1212261	R1A05M933W-2016	1"1/4	1 1/4-11	1	49,0	31,0	52,4	26,2	11,0
1212262	R1A05M933W-2020	1"1/4	1 1/4-11	1 1/4	55,0	31,0	58,7	30,2	11,5
1212263	R1A05M933W-2024	1"1/4	1 1/4-11	1 1/2	59,0	31,0	69,9	35,7	13,5
1212264	R1A05M933W-2420	1"1/2	1 1/2-11	1 1/4	56,0	37,0	58,7	30,2	11,5
1212265	R1A05M933W-2424	1"1/2	1 1/2-11	1 1/2	61,0	37,0	69,9	35,7	13,5

// R1A05M936W

90° flange SAE J518 code 62 - BSP - High pressure

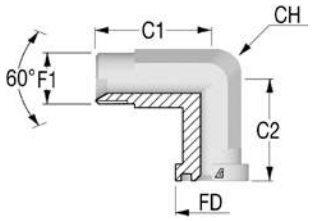


Item Code	Part Number	OD1	F1	Flange size	C1	T	H	V	H1
		in			mm	mm	mm	mm	mm
1212278	R1A05M936W-0608	3/8"	3/8-19	1/2	37,0	17,0	38,1	17,5	9,0
1212279	R1A05M936W-0808	1/2"	1/2-14	1/2	39,0	17,0	38,1	17,5	9,0
1212280	R1A05M936W-0812	1/2"	1/2-14	3/4	41,0	20,0	47,6	22,2	11,0
1212281	R1A05M936W-1208	3/4"	3/4-14	1/2	40,0	20,0	38,1	17,5	9,0
1212282	R1A05M936W-1212	3/4"	3/4-14	3/4	44,0	20,0	47,6	22,2	11,0
1212283	R1A05M936W-1216	3/4"	3/4-14	1	47,0	20,0	52,4	26,2	11,0
1212284	R1A05M936W-1612	1"	1-11	3/4	45,0	25,0	47,6	22,2	11,0
1212285	R1A05M936W-1616	1"	1-11	1	48,0	25,0	52,4	26,2	11,0
1212286	R1A05M936W-1620	1"	1-11	1 1/4	54,0	25,0	58,7	30,2	11,5
1212287	R1A05M936W-2016	1"1/4	1 1/4-11	1	49,0	31,0	52,4	26,2	11,0
1212288	R1A05M936W-2020	1"1/4	1 1/4-11	1 1/4	55,0	31,0	58,7	30,2	11,5
1212289	R1A05M936W-2024	1"1/4	1 1/4-11	1 1/2	59,0	31,0	69,9	35,7	13,5
1212290	R1A05M936W-2420	1"1/2	1 1/2-11	1 1/4	56,0	37,0	58,7	30,2	11,5
1212291	R1A05M936W-2424	1"1/2	1 1/2-11	1 1/2	61,0	37,0	69,9	35,7	13,5

Dimensions shown may be changed without prior notice

// R1A05M9334

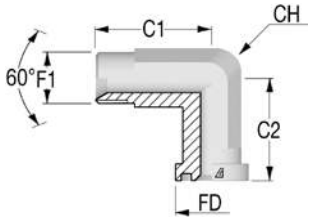
90° adjustable flange SAE J518 code 61 - BSP - Low pressure



Item Code	Part Number	OD1	F1	Flange size	C1	C2	FD	CH
		in			mm	mm	mm	mm
1212266	R1A05M9334-0608	3/8"	3/8-19	1/2	44,0	50,0	30,2	22,0
1212267	R1A05M9334-0808	1/2"	1/2-14	1/2	48,0	42,0	30,2	22,0
1212268	R1A05M9334-0812	1/2"	1/2-14	3/4	53,0	64,0	38,1	22,0
1212269	R1A05M9334-1212	3/4"	3/4-14	3/4	53,0	64,0	38,1	27,0
1212270	R1A05M9334-1216	3/4"	3/4-14	1	60,0	65,0	44,5	27,0
1212271	R1A05M9334-1612	1"	1-11	3/4	53,0	64,0	38,1	34,0
1212272	R1A05M9334-1616	1"	1-11	1	60,0	65,0	44,5	34,0
1212273	R1A05M9334-1620	1"	1-11	1 1/4	55,0	64,0	50,8	34,0
1212274	R1A05M9334-2016	1"1/4	1 1/4-11	1	60,0	65,0	44,5	42,0
1212275	R1A05M9334-2020	1"1/4	1 1/4-11	1 1/4	55,0	64,0	50,8	42,0
1212276	R1A05M9334-2024	1"1/4	1 1/4-11	1 1/2	66,0	78,0	60,3	42,0
1212277	R1A05M9334-2424	1"1/2	1 1/2-11	1 1/2	66,0	78,0	60,3	50,0

// R1A05M9364

90° adjustable flange SAE J518 code 62 - BSP - High pressure



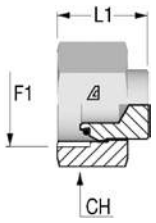
Item Code	Part Number	OD1	F1	Flange size	C1	C2	FD	CH
		in			mm	mm	mm	mm
1212292	R1A05M9364-0608	3/8"	3/8-19	1/2	44,0	50,0	31,8	22,0
1212293	R1A05M9364-0808	1/2"	1/2-14	1/2	49,0	43,0	31,8	22,0
1212294	R1A05M9364-0812	1/2"	1/2-14	3/4	53,0	64,0	41,3	22,0
1212295	R1A05M9364-1212	3/4"	3/4-14	3/4	53,0	64,0	41,3	27,0
1212296	R1A05M9364-1216	3/4"	3/4-14	1	60,0	62,0	47,6	27,0
1212297	R1A05M9364-1612	1"	1-11	3/4	59,5	54,5	41,3	30,0
1212298	R1A05M9364-1616	1"	1-11	1	60,0	62,0	47,6	34,0
1212299	R1A05M9364-1620	1"	1-11	1 1/4	70,0	72,0	54,0	34,0
1212300	R1A05M9364-2016	1"1/4	1 1/4-11	1	72,0	70,0	47,6	41,0
1212301	R1A05M9364-2020	1"1/4	1 1/4-11	1 1/4	70,0	72,0	54,0	42,0
1212302	R1A05M9364-2024	1"1/4	1 1/4-11	1 1/2	80,0	84,0	63,5	42,0
1212303	R1A05M9364-2424	1"1/2	1 1/2-11	1 1/2	80,0	84,0	63,5	50,0

Dimensions shown may be changed without prior notice

// PLUG

// R1A0531000

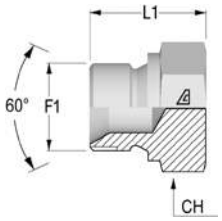
Cap BSP 60° Female



Item Code	Part Number	OD1	F1	CH	L
		in		mm	mm
1207690	R1A0531000-0400	1/4"	1/4-19	19,0	19,0
1207691	R1A0531000-0600	3/8"	3/8-19	22,0	21,0
1207692	R1A0531000-0800	1/2"	1/2-14	27,0	23,3
1207693	R1A0531000-1000	5/8"	5/8-14	27,0	26,0
1207694	R1A0531000-1200	3/4"	3/4-14	32,0	21,5
1207695	R1A0531000-1600	1"	1-11	38,0	32,0
1207696	R1A0531000-2000	1"1/4	1 1/4-11	50,0	32,0
1210712	R1A0531000-2400	1"1/2	1 1/2-11	55,0	38,0

// R1A05M1000

Plug BSP 60° Male



Item Code	Part Number	OD1	F1	CH	L
		in		mm	mm
1207662	R1A05M1000-0200	1/8"	1/8-28	14,0	14,5
1207663	R1A05M1000-0400	1/4"	1/4-19	19,0	19,0
1207664	R1A05M1000-0600	3/8"	3/8-19	22,0	20,5
1207665	R1A05M1000-0800	1/2"	1/2-14	27,0	24,0
1210952	R1A05M1000-1000	5/8"	5/8-14	30,0	24,0
1207666	R1A05M1000-1200	3/4"	3/4-14	32,0	26,5
1207667	R1A05M1000-1600	1"	1-11	41,0	30,0
1207668	R1A05M1000-2000	1"1/4	1 1/4-11	50,0	39,0
1207669	R1A05M1000-2400	1"1/2	1 1/2-11	55,0	43,0

// DIN 24° ADAPTERS

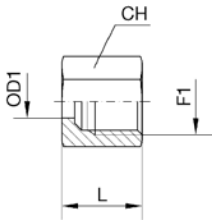
// ACCESSORIES 276
// MALE UNION 279
// MALE / FEMALE UNION 283
// BULKHEAD 294
// METRIC 296
// BSPP 308
// BSPT 320
// BUTT WELD 325
// PLUG 327

Dimensions shown may be changed without prior notice

// ACCESSORIES

// RXA11D0000

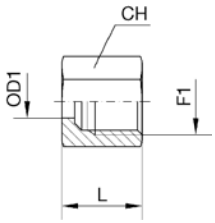
Nut DIN 24° - Light series



Item Code	Item Code	OD1	F1	CH	L
		mm		mm	mm
1240839	RXA11D0000-0600	6	M12X1.5	14,0	14,50
1240840	RXA11D0000-0800	8	M14X1.5	17,0	14,50
1240841	RXA11D0000-1000	10	M16X1.5	19,0	15,50
1240842	RXA11D0000-1200	12	M18X1.5	22,0	15,50
1240843	RXA11D0000-1500	15	M22X1.5	27,0	17,00
1240844	RXA11D0000-1800	18	M26X1.5	32,0	18,00
1240845	RXA11D0000-2200	22	M30X2	36,0	20,00
1240846	RXA11D0000-2800	28	M36X2	41,0	21,00
1240847	RXA11D0000-3500	35	M45X2	50,0	24,00
1240848	RXA11D0000-4200	42	M52X2	60,0	24,00

// RXA12D0000

Nut DIN 24° - Heavy series

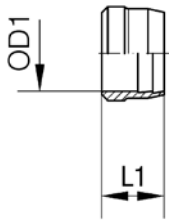


Item Code	Item Code	OD1	F1	CH	L
		mm		mm	mm
1240849	RXA12D0000-0600	6	M14X1.5	17,0	16,50
1240850	RXA12D0000-0800	8	M16X1.5	19,0	16,50
1240851	RXA12D0000-1000	10	M18X1.5	22,0	17,50
1240852	RXA12D0000-1200	12	M20X1.5	24,0	17,50
1246446	RXA12D0000-1400	14	M22X1.5	27,0	20,50
1235329	RXA12D0000-1600	16	M24X1.5	30,0	20,50
1237301	RXA12D0000-2000	20	M30X2	36,0	24,00
1240853	RXA12D0000-2500	25	M36X2	46,0	27,00
1240854	RXA12D0000-3000	30	M42X2	50,0	29,00
1240855	RXA12D0000-3800	38	M52X2	60,0	32,50

Dimensions shown may be changed without prior notice

// R1A11R0000

Double cutting ring DIN 24° - Light series

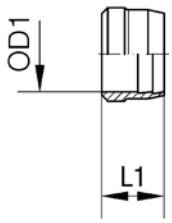


Item Code	Part Number	Head	OD1	L
		mm	mm	mm
1204137	R1A11R0000-0600	-0600	6	9,5
1204139	R1A11R0000-0800	-0800	8	9,5
1204109	R1A11R0000-1000	-1000	10	10,0
1204113	R1A11R0000-1200	-1200	12	10,0
1204118	R1A11R0000-1500	-1500	15	10,0
1204121	R1A11R0000-1800	-1800	18	10,5
1204125	R1A11R0000-2200	-2200	22	11,0
1204129	R1A11R0000-2800	-2800	28	11,0
1204133	R1A11R0000-3500	-3500	35	13,5
1204136	R1A11R0000-4200	-4200	42	13,5

Codes from 6 to 12mm also Heavy Series

// R1A12R0000

Double cutting ring DIN 24° - Heavy series



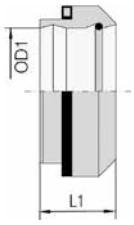
Item Code	Part Number	Head	OD1	L
		mm	mm	mm
1204117	R1A12R0000-1400	-1400	14	10,0
1204120	R1A12R0000-1600	-1600	16	10,5
1204124	R1A12R0000-2000	-2000	20	13,0
1204128	R1A12R0000-2500	-2500	25	13,0
1204131	R1A12R0000-3000	-3000	30	13,5
1204135	R1A12R0000-3800	-3800	38	13,5

Codes from 6 to 12mm same as Light Series ones

Dimensions shown may be changed without prior notice

// R1A11R000B

Double cutting ring with tight sealing DIN 24° - Light series DIN 2353

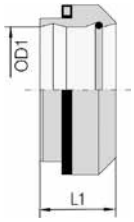


Item Code	Part Number	Head	OD1	L
		mm	mm	mm
1244467	R1A11R0000-0600 _ B	-0600	6	9,0
1239498	R1A11R0000-0800 _ B	-0800	8	8,0
1244468	R1A11R0000-1000 _ B	-1000	10	9,3
1237046	R1A11R0000-1200 _ B	-1200	12	9,5
1241104	R1A11R0000-1500 _ B	-1500	15	9,5
1241106	R1A11R0000-1800 _ B	-1800	18	9,5
1237047	R1A11R0000-2200 _ B	-2200	22	11,5
1237048	R1A11R0000-2800 _ B	-2800	28	11,5
1241110	R1A11R0000-3500 _ B	-3500	35	13,0
1244469	R1A11R0000-4200 _ B	-4200	42	13,0

Codes from 6 to 12mm also Heavy Series

// R1A12R000B

Double cutting ring with tight sealing DIN 24° - Heavy series DIN 2353



Item Code	Part Number	Head	OD1	L
		mm	mm	mm
1244470	R1A12R0000-1400 _ B	-1400	14	10,0
1239871	R1A12R0000-1600 _ B	-1600	16	10,0
1239870	R1A12R0000-2000 _ B	-2000	20	13,0
1237071	R1A12R0000-2500 _ B	-2500	25	13,3
1241138	R1A12R0000-3000 _ B	-3000	30	14,0
1244471	R1A12R0000-3800 _ B	-3800	38	14,0

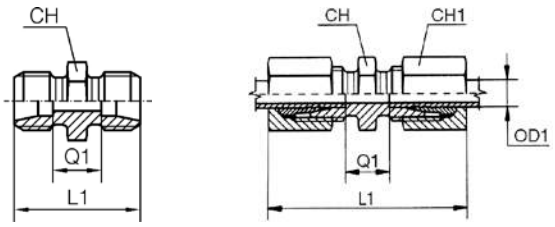
Codes from 6 to 12mm same as Light Series ones

Dimensions shown may be changed without prior notice

// MALE UNION

// R1A11M111M

Straight union DIN 24° Male - Light series

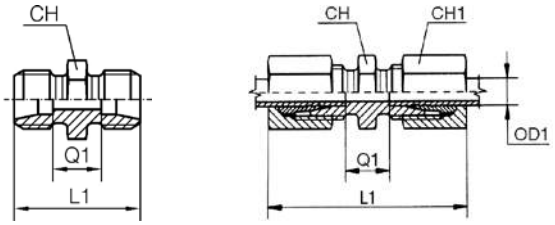


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	Q1	CH	CH1	L	L1
			mm	mm	mm	mm	mm	mm
1205544	1240805	R1A11M111M-0606	6	10,0	12,0	14,0	39,0	24,0
1205546	1240806	R1A11M111M-0808	8	11,0	14,0	17,0	40,0	25,0
1205537	1240807	R1A11M111M-1010	10	13,0	17,0	19,0	42,0	27,0
1204233	1240808	R1A11M111M-1212	12	14,0	19,0	22,0	43,0	28,0
1204234	1241077	R1A11M111M-1515	15	16,0	24,0	27,0	46,0	30,0
1205538	1243784	R1A11M111M-1818	18	16,0	27,0	32,0	48,0	31,0
1205541	1242417	R1A11M111M-2222	22	20,0	32,0	36,0	52,0	35,0
1205708	1243785	R1A11M111M-2828	28	21,0	41,0	41,0	54,0	36,0
1205709	1243786	R1A11M111M-3535	35	20,0	46,0	50,0	63,0	41,0
1205710	1241080	R1A11M111M-4242	42	21,0	55,0	60,0	66,0	43,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M112M

Straight union DIN 24° Male - Heavy series



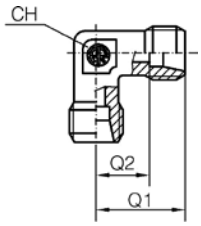
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	Q1	CH	CH1	L	L1
			mm	mm	mm	mm	mm	mm
1206097	1244127	R1A12M112M-0606	6	16,0	14,0	17,0	45,0	30,0
1205687	1244128	R1A12M112M-0808	8	18,0	17,0	19,0	47,0	32,0
1205688	1244129	R1A12M112M-1010	10	17,0	19,0	22,0	49,0	32,0
1205689	1244130	R1A12M112M-1212	12	19,0	22,0	24,0	51,0	34,0
1205690	1244131	R1A12M112M-1414	14	22,0	24,0	27,0	57,0	38,0
1205691	1244132	R1A12M112M-1616	16	21,0	27,0	30,0	57,0	38,0
1205539	1241122	R1A12M112M-2020	20	23,0	32,0	36,0	66,0	44,0
1205542	1241125	R1A12M112M-2525	25	26,0	41,0	46,0	74,0	50,0
1205543	1244133	R1A12M112M-3030	30	27,0	46,0	50,0	80,0	54,0
1205711	1244134	R1A12M112M-3838	38	29,0	55,0	60,0	90,0	61,0

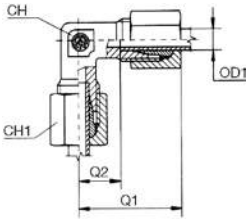
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11M911M

90° union DIN 24° Male - Light series



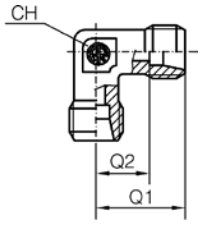


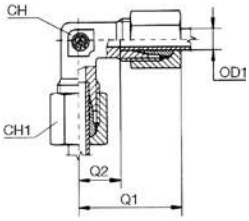
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	Q1	Q2	Q3	CH	CH1
			mm	mm	mm	mm	mm	mm
1205692	1243861	R1A11M911M-0606	6	27,0	12,0	19,0	12,0	14,0
1205693	1241534	R1A11M911M-0808	8	29,0	14,0	21,0	12,0	17,0
1205694	1240812	R1A11M911M-1010	10	30,0	15,0	22,0	14,0	19,0
1204062	1243862	R1A11M911M-1212	12	32,0	17,0	24,0	17,0	22,0
1204064	1243863	R1A11M911M-1515	15	36,0	21,0	28,0	19,0	27,0
1205695	1243864	R1A11M911M-1818	18	40,0	23,5	31,0	24,0	32,0
1205696	1243865	R1A11M911M-2222	22	44,0	27,5	35,0	27,0	36,0
1205697	1243866	R1A11M911M-2828	28	47,0	30,5	38,0	36,0	41,0
1205707	1243867	R1A11M911M-3535	35	56,0	34,5	45,0	41,0	50,0
1206043	1243868	R1A11M911M-4242	42	63,0	40,0	51,0	50,0	60,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M912M

90° union DIN 24° Male - Heavy series





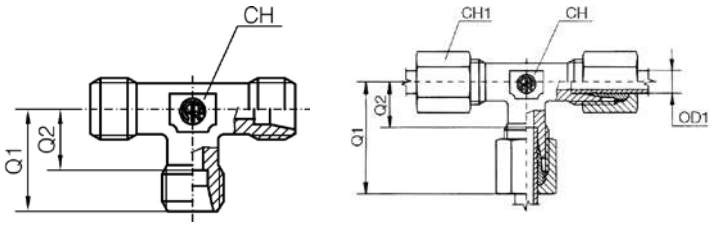
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	Q1	Q2	Q3	CH	CH1
			mm	mm	mm	mm	mm	mm
1205698	1244224	R1A12M912M-0606	6	31,0	16,0	23,0	12,0	17,0
1205699	1244225	R1A12M912M-0808	8	32,0	17,0	24,0	14,0	19,0
1205700	1244226	R1A12M912M-1010	10	34,0	17,5	25,0	17,0	22,0
1205701	1244227	R1A12M912M-1212	12	38,0	21,5	29,0	17,0	24,0
1205702	1244228	R1A12M912M-1414	14	40,0	22,0	30,0	19,0	27,0
1205703	1244229	R1A12M912M-1616	16	43,0	24,5	33,0	24,0	30,0
1205704	1244230	R1A12M912M-2020	20	48,0	26,5	37,0	27,0	36,0
1242137	1205705	R1A12M912M-2525	25	54,0	30,0	42,0	36,0	46,0
1205706	1244231	R1A12M912M-3030	30	62,0	35,5	49,0	41,0	50,0
1207042	1244232	R1A12M912M-3838	38	72,0	41,0	57,0	50,0	60,0

Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11MT11M

Branch Tee union DIN 24° Male - Light series

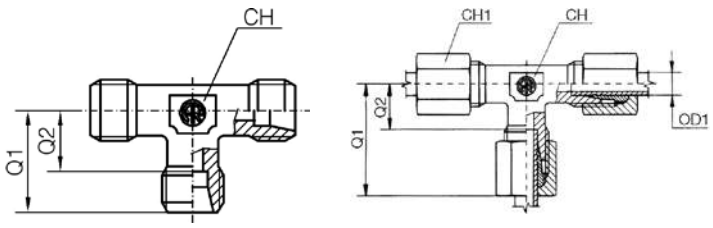


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	Q1	Q2	Q3	CH	CH1
			mm	mm	mm	mm	mm	mm
1204218	1241542	R1A11MT11M-0606	6	27,0	12,0	19,0	12,0	14,0
1204219	1240813	R1A11MT11M-0808	8	29,0	14,0	21,0	12,0	17,0
1204215	1240814	R1A11MT11M-1010	10	30,0	15,0	22,0	14,0	19,0
1204216	1241099	R1A11MT11M-1212	12	32,0	17,0	24,0	17,0	22,0
1204217	1242245	R1A11MT11M-1515	15	36,0	21,0	28,0	19,0	27,0
1205712	1243981	R1A11MT11M-1818	18	40,0	23,5	31,0	24,0	32,0
1205713	1243982	R1A11MT11M-2222	22	44,0	27,5	35,0	27,0	36,0
1205714	1243983	R1A11MT11M-2828	28	47,0	30,5	38,0	36,0	41,0
1205715	1243984	R1A11MT11M-3535	35	56,0	34,5	45,0	41,0	50,0
1206042	1243985	R1A11MT11M-4242	42	63,0	40,0	51,0	50,0	60,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12MT12M

Branch Tee union DIN 24° Male - Heavy series



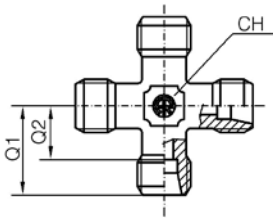
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	Q1	Q2	Q3	CH	CH1
			mm	mm	mm	mm	mm	mm
1205716	1244350	R1A12MT12M-0606	6	31,0	16,0	23,0	12,0	17,0
1205717	1244351	R1A12MT12M-0808	8	32,0	17,0	24,0	14,0	19,0
1205718	1244352	R1A12MT12M-1010	10	34,0	17,5	25,0	17,0	22,0
1205719	1244353	R1A12MT12M-1212	12	38,0	21,5	29,0	17,0	24,0
1205720	1244354	R1A12MT12M-1414	14	40,0	22,0	30,0	19,0	27,0
1205616	1244355	R1A12MT12M-1616	16	43,0	24,5	33,0	24,0	30,0
1205721	1244356	R1A12MT12M-2020	20	48,0	26,5	37,0	27,0	36,0
1205722	1244357	R1A12MT12M-2525	25	54,0	30,0	42,0	36,0	46,0
1205723	1244358	R1A12MT12M-3030	30	62,0	35,5	49,0	41,0	50,0
1205724	1244359	R1A12MT12M-3838	38	72,0	41,0	57,0	50,0	60,0

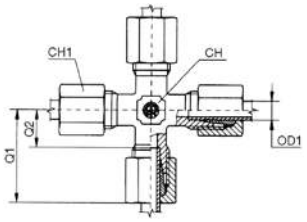
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11MX11M

Cross union DIN 24° Male - Light series



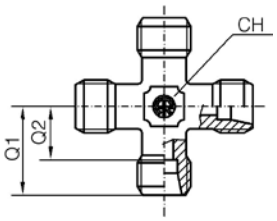


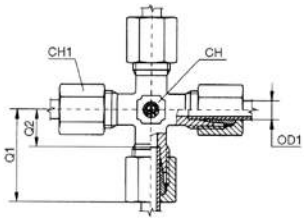
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	Q1	Q2	Q3	CH	CH1
			mm	mm	mm	mm	mm	mm
1205725	1244005	R1A11MX11M-0606	6	27,0	12,0	19,0	12,0	14,0
1205726	1244006	R1A11MX11M-0808	8	29,0	14,0	21,0	12,0	17,0
1205727	1242918	R1A11MX11M-1010	10	30,0	15,0	22,0	14,0	19,0
1205755	1244007	R1A11MX11M-1212	12	32,0	17,0	24,0	17,0	22,0
1205728	1244008	R1A11MX11M-1515	15	36,0	21,0	28,0	19,0	27,0
1205729	1244009	R1A11MX11M-1818	18	40,0	23,5	31,0	24,0	32,0
1205730	1244010	R1A11MX11M-2222	22	44,0	27,5	35,0	27,0	36,0
1211083	1244011	R1A11MX11M-2828	28	47,0	30,5	38,0	36,0	41,0
1211084	1244012	R1A11MX11M-3535	35	56,0	34,5	45,0	41,0	50,0
1211085	1244013	R1A11MX11M-4242	42	63,0	40,0	51,0	50,0	60,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12MX12M

Cross union DIN 24° Male - Heavy series





Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	Q1	Q2	Q3	CH	CH1
			mm	mm	mm	mm	mm	mm
1206376	1244379	R1A12MX12M-0606	6	31,0	16,0	23,0	12,0	17,0
1206356	1244380	R1A12MX12M-0808	8	32,0	17,0	24,0	14,0	19,0
1206308	1244381	R1A12MX12M-1010	10	34,0	17,5	25,0	17,0	22,0
1206128	1244382	R1A12MX12M-1212	12	38,0	21,5	29,0	17,0	24,0
1206241	1244383	R1A12MX12M-1414	14	40,0	22,0	30,0	19,0	27,0
1206242	1244384	R1A12MX12M-1616	16	43,0	24,5	33,0	24,0	30,0
1206570	1244385	R1A12MX12M-2020	20	48,0	26,5	37,0	27,0	36,0
1206571	1244386	R1A12MX12M-2525	25	54,0	30,0	42,0	36,0	46,0
1208138	1244387	R1A12MX12M-3030	30	62,0	35,5	49,0	41,0	50,0
1211263	1244388	R1A12MX12M-3838	38	72,0	41,0	57,0	50,0	60,0

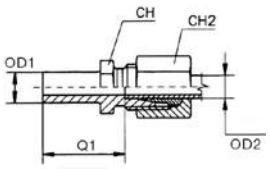
Part number Complete: add suffix "_A" to Body Only part number

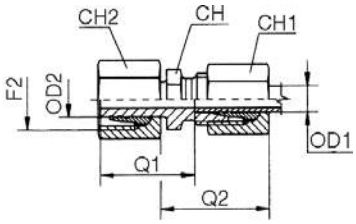
Dimensions shown may be changed without prior notice

// MALE / FEMALE UNION

// R1A11M1113

Reducers DIN 24° pre-assembled - Light series





Item Code	Part Number	OD1	OD2	F1	Q1	Q2	L1	CH	CH1	CH2
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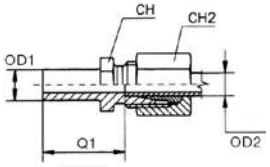
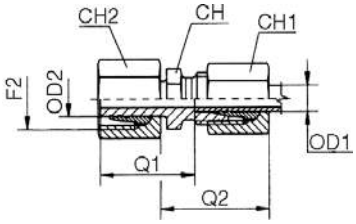
1205622	R1A11M1113-0608	6	8	M12X1.5	29,5	30,0	36,5	14,0	14,0	17,0
1205623	R1A11M1113-0610	6	10	M12X1.5	29,5	30,0	36,5	14,0	14,0	19,0
1205617	R1A11M1113-0612	6	12	M12X1.5	29,5	30,0	36,5	14,0	14,0	22,0
1205621	R1A11M1113-0615	6	15	M12X1.5	29,5	29,0	36,5	17,0	14,0	27,0
1205627	R1A11M1113-0618	6	18	M12X1.5	30,5	29,0	37,5	19,0	14,0	32,0
1207824	R1A11M1113-0622	6	22	M12X1.5	33,5	32,0	40,5	24,0	14,0	36,0
1207825	R1A11M1113-0628	6	28	M12X1.5	34,5	33,0	41,5	32,0	14,0	41,0
1210999	R1A11M1113-0635	6	35	M12X1.5	40,5	34,0	47,5	36,0	14,0	50,0
1205624	R1A11M1113-0810	8	10	M14X1.5	29,5	30,0	36,5	17,0	17,0	19,0
1205618	R1A11M1113-0812	8	12	M14X1.5	29,5	30,0	36,5	17,0	17,0	22,0
1205620	R1A11M1113-0815	8	15	M14X1.5	29,5	29,0	36,5	17,0	17,0	27,0
1205628	R1A11M1113-0818	8	18	M14X1.5	30,5	29,0	37,5	19,0	17,0	32,0
1206843	R1A11M1113-0822	8	22	M14X1.5	33,5	32,0	40,5	24,0	17,0	36,0
1207826	R1A11M1113-0828	8	28	M14X1.5	34,5	33,0	41,5	32,0	17,0	41,0
1211000	R1A11M1113-0835	8	35	M14X1.5	40,5	34,0	47,5	36,0	17,0	50,0
1205619	R1A11M1113-1012	10	12	M16X1.5	31,0	31,0	38,0	17,0	19,0	22,0
1205625	R1A11M1113-1015	10	15	M16X1.5	31,0	30,0	38,0	17,0	19,0	27,0
1205629	R1A11M1113-1018	10	18	M16X1.5	32,0	30,0	39,0	19,0	19,0	32,0
1206562	R1A11M1113-1022	10	22	M16X1.5	35,0	33,0	42,0	24,0	19,0	36,0
1207827	R1A11M1113-1028	10	28	M16X1.5	36,0	34,0	43,0	32,0	19,0	41,0
1211001	R1A11M1113-1035	10	35	M16X1.5	42,0	35,0	49,0	36,0	19,0	50,0
1211004	R1A11M1113-1042	10	42	M16X1.5	44,0	36,0	51,0	46,0	19,0	60,0
1205626	R1A11M1113-1215	12	15	M18X1.5	31,0	30,0	38,0	19,0	22,0	27,0
1205630	R1A11M1113-1218	12	18	M18X1.5	32,0	30,0	39,0	19,0	22,0	32,0
1205632	R1A11M1113-1222	12	22	M18X1.5	35,0	33,0	42,0	24,0	22,0	36,0
1205635	R1A11M1113-1228	12	28	M18X1.5	36,0	34,0	43,0	32,0	22,0	41,0
1211002	R1A11M1113-1235	12	35	M18X1.5	42,0	35,0	49,0	36,0	22,0	50,0
1211005	R1A11M1113-1242	12	42	M18X1.5	43,0	36,0	50,0	46,0	22,0	60,0
1205631	R1A11M1113-1518	15	18	M22X1.5	32,5	32,0	39,5	24,0	27,0	32,0
1205633	R1A11M1113-1522	15	22	M22X1.5	35,5	35,0	42,5	24,0	27,0	36,0
1205636	R1A11M1113-1528	15	28	M22X1.5	36,5	35,0	43,5	32,0	27,0	41,0
1211003	R1A11M1113-1535	15	35	M22X1.5	42,5	36,0	49,5	36,0	27,0	50,0
1211006	R1A11M1113-1542	15	42	M22X1.5	44,5	37,0	51,5	46,0	27,0	60,0
1205634	R1A11M1113-1822	18	22	M26X1.5	35,0	35,0	42,5	27,0	32,0	36,0
1205637	R1A11M1113-1828	18	28	M26X1.5	36,0	36,0	43,5	32,0	32,0	41,0
1208154	R1A11M1113-1835	18	35	M26X1.5	42,0	37,0	49,5	36,0	32,0	50,0
1207828	R1A11M1113-1842	18	42	M26X1.5	44,0	38,0	51,5	46,0	32,0	60,0
1205638	R1A11M1113-2228	22	28	M30X2	36,0	38,0	43,5	32,0	36,0	41,0
1205639	R1A11M1113-2235	22	35	M30X2	44,0	39,0	51,5	36,0	36,0	50,0
1205641	R1A11M1113-2242	22	42	M30X2	46,0	40,0	53,5	46,0	36,0	60,0
1205640	R1A11M1113-2835	28	35	M36X2	44,0	39,0	51,5	41,0	41,0	50,0

Dimensions shown may be changed without prior notice

// R1A12M1123

Reducers DIN 24° pre-assembled - Heavy series



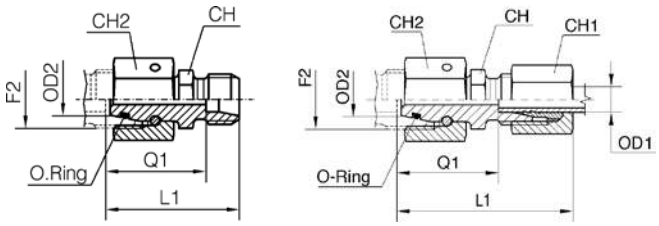


Item Code	Part Number	OD1	OD2	F1	Q1	Q2	L1	CH	CH1	CH2
		mm	mm		mm	mm	mm	mm	mm	mm
1205644	R1A12M1123-0608	6	8	M14X1.5	31,0	31,0	39,0	17,0	17,0	19,0
1205645	R1A12M1123-0610	6	10	M14X1.5	32,0	31,0	39,0	17,0	17,0	22,0
1205647	R1A12M1123-0612	6	12	M14X1.5	33,0	32,0	40,0	17,0	17,0	24,0
1206338	R1A12M1123-0614	6	14	M14X1.5	37,0	34,0	44,0	17,0	17,0	27,0
1206340	R1A12M1123-0616	6	16	M14X1.5	37,0	34,0	44,0	17,0	17,0	30,0
1207857	R1A12M1123-0620	6	20	M14X1.5	43,0	36,0	50,0	22,0	17,0	36,0
1211188	R1A12M1123-0625	6	25	M14X1.5	47,0	38,0	54,0	27,0	17,0	46,0
1211189	R1A12M1123-0630	6	30	M14X1.5	49,0	37,0	56,0	32,0	17,0	50,0
1205646	R1A12M1123-0810	8	10	M16X1.5	32,0	31,0	39,0	17,0	19,0	22,0
1205648	R1A12M1123-0812	8	12	M16X1.5	33,0	32,0	40,0	17,0	19,0	24,0
1205650	R1A12M1123-0814	8	14	M16X1.5	37,0	34,0	44,0	17,0	19,0	27,0
1205653	R1A12M1123-0816	8	16	M16X1.5	37,0	34,0	44,0	17,0	19,0	30,0
1206362	R1A12M1123-0820	8	20	M16X1.5	43,0	36,0	50,0	22,0	19,0	36,0
1206884	R1A12M1123-0825	8	25	M16X1.5	47,0	38,0	54,0	27,0	19,0	46,0
1211190	R1A12M1123-0830	8	30	M16X1.5	49,0	37,0	56,0	32,0	19,0	50,0
1205649	R1A12M1123-1012	10	12	M18X1.5	32,5	33,0	40,0	19,0	22,0	24,0
1205651	R1A12M1123-1014	10	14	M18X1.5	36,5	35,0	44,0	19,0	22,0	27,0
1205654	R1A12M1123-1016	10	16	M18X1.5	36,5	35,0	44,0	19,0	22,0	30,0
1205657	R1A12M1123-1020	10	20	M18X1.5	42,5	37,0	50,0	22,0	22,0	36,0
1205661	R1A12M1123-1025	10	25	M18X1.5	46,5	39,0	54,0	27,0	22,0	46,0
1211191	R1A12M1123-1030	10	30	M18X1.5	48,5	38,0	56,0	32,0	22,0	50,0
1205652	R1A12M1123-1214	12	14	M20X1.5	36,5	35,0	44,0	22,0	24,0	27,0
1205658	R1A12M1123-1220	12	20	M20X1.5	42,5	37,0	50,0	22,0	24,0	36,0
1205662	R1A12M1123-1225	12	25	M20X1.5	46,5	39,0	54,0	27,0	24,0	46,0
1206563	R1A12M1123-1230	12	30	M20X1.5	48,5	38,0	56,0	32,0	24,0	50,0
1205656	R1A12M1123-1416	14	16	M22X1.5	38,0	38,0	46,0	24,0	27,0	30,0
1205659	R1A12M1123-1420	14	20	M22X1.5	44,0	40,0	52,0	24,0	27,0	36,0
1206339	R1A12M1123-1425	14	25	M22X1.5	48,0	42,0	56,0	27,0	27,0	46,0
1206846	R1A12M1123-1430	14	30	M22X1.5	50,0	41,0	58,0	32,0	27,0	50,0
1211195	R1A12M1123-1438	14	38	M22X1.5	57,0	42,0	65,0	41,0	27,0	60,0
1205660	R1A12M1123-1620	16	20	M24X1.5	43,5	40,0	52,0	27,0	30,0	36,0
1205663	R1A12M1123-1625	16	25	M24X1.5	47,5	42,0	56,0	27,0	30,0	46,0
1205665	R1A12M1123-1630	16	30	M24X1.5	49,5	41,0	58,0	32,0	30,0	50,0
1207858	R1A12M1123-1638	16	38	M24X1.5	56,5	42,0	65,0	41,0	30,0	60,0
1205664	R1A12M1123-2025	20	25	M30X2	47,5	45,0	58,0	32,0	36,0	46,0
1205666	R1A12M1123-2030	20	30	M30X2	49,5	45,0	60,0	32,0	36,0	50,0
1205668	R1A12M1123-2038	20	38	M30X2	56,5	46,0	67,0	41,0	36,0	60,0
1205667	R1A12M1123-2530	25	30	M36X2	50,0	48,0	62,0	41,0	46,0	50,0
1205669	R1A12M1123-2538	25	38	M36X2	57,0	49,0	69,0	41,0	46,0	60,0

Dimensions shown may be changed without prior notice

// R1A11M1152

Reducers DIN 24° with O-Ring - Light series



Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	OD2	F1	Q1	CH	CH1	CH2	L	L1
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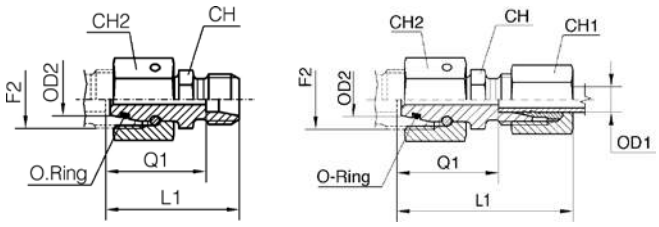
1211354	1243796	R1A11M1152-0608	6	8	M12X1.5	23,5	12,0	14,0	17,0	38,0	30,5
1211355	1243797	R1A11M1152-0610	6	10	M12X1.5	25,0	14,0	14,0	19,0	40,0	32,0
1211357	1243798	R1A11M1152-0612	6	12	M12X1.5	25,0	17,0	14,0	22,0	40,0	32,0
1211359	1243799	R1A11M1152-0615	6	15	M12X1.5	28,5	19,0	14,0	27,0	43,0	35,5
1211361	1243800	R1A11M1152-0618	6	18	M12X1.5	28,0	24,0	14,0	32,0	43,0	35,0
1211365	1243801	R1A11M1152-0622	6	22	M12X1.5	32,0	27,0	14,0	36,0	47,0	39,0
1211371	1243802	R1A11M1152-0628	6	28	M12X1.5	34,0	32,0	14,0	41,0	49,0	41,0
1211356	1243803	R1A11M1152-0810	8	10	M14X1.5	25,0	14,0	17,0	19,0	40,0	32,0
1208070	1243804	R1A11M1152-0812	8	12	M14X1.5	25,0	17,0	17,0	22,0	40,0	32,0
1208071	1243805	R1A11M1152-0815	8	15	M14X1.5	28,5	19,0	17,0	27,0	43,0	35,5
1211362	1243806	R1A11M1152-0818	8	18	M14X1.5	28,0	24,0	17,0	32,0	43,0	35,0
1211366	1243807	R1A11M1152-0822	8	22	M14X1.5	32,0	27,0	17,0	36,0	47,0	39,0
1211372	1243808	R1A11M1152-0828	8	28	M14X1.5	34,0	32,0	17,0	41,0	49,0	41,0
1211358	1243809	R1A11M1152-1012	10	12	M16X1.5	26,0	17,0	19,0	22,0	41,0	33,0
1208072	1243810	R1A11M1152-1015	10	15	M16X1.5	29,5	19,0	19,0	27,0	44,0	36,5
1211363	1243811	R1A11M1152-1018	10	18	M16X1.5	29,0	24,0	19,0	32,0	44,0	36,0
1211373	1243812	R1A11M1152-1028	10	28	M16X1.5	35,0	32,0	19,0	41,0	50,0	42,0
1211360	1243813	R1A11M1152-1215	12	15	M18X1.5	29,5	19,0	22,0	27,0	44,0	36,5
1208073	1243814	R1A11M1152-1218	12	18	M18X1.5	29,0	24,0	22,0	32,0	44,0	36,0
1211367	1243815	R1A11M1152-1222	12	22	M18X1.5	33,0	27,0	22,0	36,0	48,0	40,0
1211374	1243816	R1A11M1152-1228	12	28	M18X1.5	35,0	32,0	22,0	41,0	50,0	42,0
1211364	1243817	R1A11M1152-1518	15	18	M22X1.5	30,0	24,0	27,0	32,0	45,0	37,0
1211368	1243818	R1A11M1152-1522	15	22	M22X1.5	34,0	27,0	27,0	36,0	49,0	41,0
1211375	1243819	R1A11M1152-1528	15	28	M22X1.5	36,0	32,0	27,0	41,0	51,0	43,0
1211377	1243820	R1A11M1152-1535	15	35	M22X1.5	39,0	41,0	27,0	50,0	54,0	46,0
1211369	1243821	R1A11M1152-1822	18	22	M26X1.5	33,5	27,0	32,0	36,0	50,0	41,0
1208082	1243822	R1A11M1152-1828	18	28	M26X1.5	36,5	32,0	32,0	41,0	52,0	44,0
1211378	1243823	R1A11M1152-1835	18	35	M26X1.5	38,5	41,0	32,0	50,0	55,0	46,0
1211379	1243824	R1A11M1152-1842	18	42	M26X1.5	42,0	50,0	32,0	60,0	58,0	49,5
1211376	1243825	R1A11M1152-2228	22	28	M30X2	37,5	32,0	36,0	41,0	54,0	45,0
1208083	1243826	R1A11M1152-2235	22	35	M30X2	40,5	41,0	36,0	50,0	57,0	48,0
1211380	1243827	R1A11M1152-2242	22	42	M30X2	44,0	50,0	36,0	60,0	60,0	49,5
1211381	1243828	R1A11M1152-2842	28	42	M36X2	44,0	50,0	41,0	60,0	61,0	51,5
1211382	1243829	R1A11M1152-3542	35	42	M45X2	43,0	50,0	50,0	60,0	65,0	53,5

Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A12M1162

Reducers DIN 24° with O-Ring - Heavy series



Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	OD2	F1	Q1	CH	CH1	CH2	L	L1
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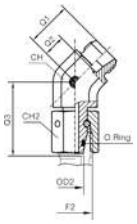
1211411	1244144	R1A12M1162-0608	6	8	M14X1.5	27,0	14,0	17,0	19,0	42,0	34,0
1211412	1244145	R1A12M1162-0610	6	10	M14X1.5	27,5	17,0	17,0	22,0	42,0	34,5
1211414	1244146	R1A12M1162-0612	6	12	M14X1.5	29,0	17,0	17,0	24,0	44,0	36,0
1211417	1244147	R1A12M1162-0614	6	14	M14X1.5	31,5	19,0	17,0	27,0	46,0	38,5
1207967	1244148	R1A12M1162-0616	6	16	M14X1.5	32,0	22,0	17,0	30,0	47,0	39,0
1211423	1244149	R1A12M1162-0620	6	20	M14X1.5	36,0	27,0	17,0	36,0	51,0	43,0
1211427	1244150	R1A12M1162-0625	6	25	M14X1.5	38,5	32,0	17,0	46,0	53,0	45,5
1211433	1244151	R1A12M1162-0630	6	30	M14X1.5	44,0	41,0	17,0	50,0	59,0	51,0
1211413	1244152	R1A12M1162-0810	8	10	M16X1.5	27,5	17,0	19,0	22,0	42,0	34,5
1211415	1244153	R1A12M1162-0812	8	12	M16X1.5	29,0	17,0	19,0	24,0	44,0	36,0
1211418	1244154	R1A12M1162-0814	8	14	M16X1.5	31,5	19,0	19,0	27,0	46,0	38,5
1211421	1244155	R1A12M1162-0816	8	16	M16X1.5	32,0	22,0	19,0	30,0	47,0	39,0
1211424	1244156	R1A12M1162-0820	8	20	M16X1.5	36,0	27,0	19,0	36,0	51,0	43,0
1211428	1244157	R1A12M1162-0825	8	25	M16X1.5	38,5	32,0	19,0	46,0	53,0	45,5
1211434	1244158	R1A12M1162-0830	8	30	M16X1.5	44,0	41,0	19,0	50,0	59,0	51,0
1211416	1244159	R1A12M1162-1012	10	12	M18X1.5	29,5	19,0	22,0	24,0	46,0	37,0
1211419	1244160	R1A12M1162-1014	10	14	M18X1.5	31,0	19,0	22,0	27,0	47,0	38,5
1208068	1244161	R1A12M1162-1016	10	16	M18X1.5	31,5	22,0	22,0	30,0	48,0	39,0
1211425	1244162	R1A12M1162-1020	10	20	M18X1.5	35,5	27,0	22,0	36,0	52,0	43,0
1211429	1244163	R1A12M1162-1025	10	25	M18X1.5	38,0	32,0	22,0	46,0	54,0	45,5
1211435	1244164	R1A12M1162-1030	10	30	M18X1.5	43,5	41,0	22,0	50,0	60,0	51,0
1211420	1244165	R1A12M1162-1214	12	14	M20X1.5	31,0	22,0	24,0	27,0	47,0	38,5
1242333	1244166	R1A12M1162-1216	12	16	M20X1.5	31,5	22,0	24,0	30,0	48,0	39,0
1208165	1244167	R1A12M1162-1220	12	20	M20X1.5	35,5	27,0	24,0	36,0	52,0	43,0
1211430	1244168	R1A12M1162-1225	12	25	M20X1.5	38,0	32,0	24,0	46,0	54,0	45,5
1211436	1244169	R1A12M1162-1230	12	30	M20X1.5	43,5	41,0	24,0	50,0	60,0	51,0
1211422	1244170	R1A12M1162-1416	14	16	M22X1.5	33,0	24,0	27,0	30,0	51,0	41,0
1211426	1244171	R1A12M1162-1420	14	20	M22X1.5	37,0	27,0	27,0	36,0	55,0	45,0
1211431	1244172	R1A12M1162-1425	14	25	M22X1.5	39,5	32,0	27,0	46,0	57,0	47,5
1211437	1244173	R1A12M1162-1430	14	30	M22X1.5	45,0	41,0	27,0	50,0	63,0	53,0
1211442	1244174	R1A12M1162-1438	14	38	M22X1.5	48,5	50,0	27,0	60,0	66,0	56,5
1208166	1244175	R1A12M1162-1620	16	20	M24X1.5	36,5	27,0	30,0	36,0	55,0	45,0
1208167	1244176	R1A12M1162-1625	16	25	M24X1.5	39,0	32,0	30,0	46,0	57,0	47,5
1211438	1244177	R1A12M1162-1630	16	30	M24X1.5	44,5	41,0	30,0	50,0	63,0	54,0
1211443	1244178	R1A12M1162-1638	16	38	M24X1.5	48,0	50,0	30,0	60,0	66,0	56,5
1211432	1244179	R1A12M1162-2025	20	25	M30X2	39,0	32,0	36,0	46,0	61,0	49,5
1207987	1244180	R1A12M1162-2030	20	30	M30X2	44,5	41,0	36,0	50,0	66,0	55,0
1211444	1244181	R1A12M1162-2038	20	38	M30X2	48,0	50,0	36,0	60,0	70,0	58,5
1207963	1244182	R1A12M1162-2530	25	30	M36X2	45,0	41,0	46,0	50,0	69,0	57,0
1211445	1244183	R1A12M1162-2538	25	38	M36X2	48,5	50,0	46,0	60,0	73,0	60,5
1211446	1244184	R1A12M1162-3038	30	38	M42X2	49,0	50,0	50,0	60,0	76,0	62,5

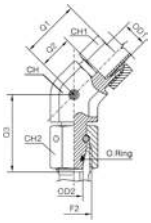
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11M4152

45° adjustable elbow connector DIN 24° Male - Female with O-Ring - Light series



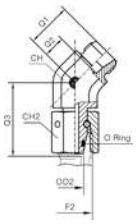


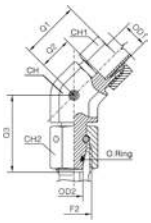
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
			mm		mm	mm	mm	mm	mm	mm
1244869	1244939	R1A11M4152-0606	6	M12X1.5	24,5	9,5	26,0	16,5	14,0	14,0
1244870	1244940	R1A11M4152-0808	8	M14X1.5	27,0	12,0	27,5	19,0	14,0	17,0
1241985	1244941	R1A11M4152-1010	10	M16X1.5	27,0	12,0	29,0	19,0	19,0	19,0
1208305	1244942	R1A11M4152-1212	12	M18X1.5	29,0	14,0	29,5	21,0	19,0	22,0
1244871	1244943	R1A11M4152-1515	15	M22X1.5	32,0	17,0	32,5	24,0	22,0	27,0
1244872	1244944	R1A11M4152-1818	18	M26X1.5	33,0	17,0	35,5	24,5	27,0	32,0
1244873	1244945	R1A11M4152-2222	22	M30X2	35,5	19,5	38,5	27,0	33,0	36,0
1244874	1244946	R1A11M4152-2828	28	M36X2	39,0	23,0	41,5	30,5	41,0	41,0
1244875	1244947	R1A11M4152-3535	35	M45X2	48,0	27,0	51,0	37,5	48,0	50,0
1244876	1244948	R1A11M4152-4242	42	M52X2	49,0	26,0	56,0	37,0	48,0	60,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M4162

45° adjustable elbow connector DIN 24° Male - Female with O-Ring - Heavy series





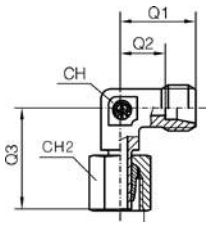
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
			mm		mm	mm	mm	mm	mm	mm
1244894	1245008	R1A12M4162-0606	6	M14X1.5	26,0	11,0	27,0	18,0	14,0	17,0
1244895	1245009	R1A12M4162-0808	8	M16X1.5	28,0	13,0	27,5	20,0	19,0	19,0
1244896	1245010	R1A12M4162-1010	10	M18X1.5	29,0	13,0	30,0	20,5	19,0	22,0
1244897	1245011	R1A12M4162-1212	12	M20X1.5	33,0	17,0	31,0	24,5	22,0	24,0
1244898	1245012	R1A12M4162-1616	16	M24X1.5	34,0	16,0	36,5	24,5	27,0	30,0
1244899	1245013	R1A12M4162-2020	20	M30X2	40,0	19,0	44,5	29,5	33,0	36,0
1244900	1245014	R1A12M4162-2525	25	M36X2	46,0	22,0	50,0	34,0	41,0	46,0
1244901	1245015	R1A12M4162-3030	30	M42X2	50,0	24,0	55,0	37,5	48,0	50,0
1244902	1245016	R1A12M4162-3838	38	M52X2	55,0	24,0	63,0	40,0	48,0	60,0

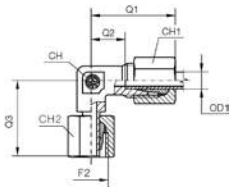
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11M9113

90° adjustable elbow connector DIN 24° Male - Female pre-assembled - Light series



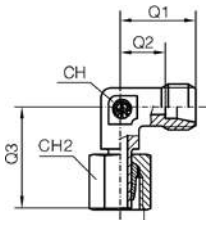


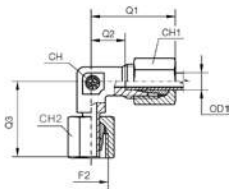
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
			mm		mm	mm	mm	mm	mm	mm
1206164	1241531	R1A11M9113-0606	6	M12X1.5	27,0	12,0	26,0	19,0	12,0	14,0
1205536	1240810	R1A11M9113-0808	8	M14X1.5	29,0	14,0	27,5	21,0	12,0	17,0
1204070	1240811	R1A11M9113-1010	10	M16X1.5	30,0	15,0	29,0	22,0	14,0	19,0
1242246	1241532	R1A11M9113-1212	12	M18X1.5	32,0	17,0	29,5	24,0	17,0	22,0
1204072	1241533	R1A11M9113-1515	15	M22X1.5	36,0	21,0	32,5	28,0	19,0	27,0
1205756	1243857	R1A11M9113-1818	18	M26X1.5	40,0	23,5	35,5	31,0	24,0	32,0
1205731	1243858	R1A11M9113-2222	22	M30X2	44,0	27,5	38,5	35,0	27,0	36,0
1206045	1243859	R1A11M9113-2828	28	M36X2	47,0	30,5	41,5	38,0	36,0	41,0
1206044	1243860	R1A11M9113-3535	35	M45X2	56,0	34,5	51,0	45,0	41,0	50,0
1205535	1241092	R1A11M9113-4242	42	M52X2	63,0	40,0	60,0	51,0	50,0	60,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M9123

90° adjustable elbow connector DIN 24° Male - Female pre-assembled - Heavy series





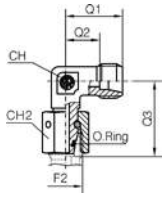
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
			mm		mm	mm	mm	mm	mm	mm
1206278	1244214	R1A12M9123-0606	6	M14X1.5	31,0	16,0	27,0	23,0	12,0	17,0
1205732	1244215	R1A12M9123-0808	8	M16X1.5	32,0	17,0	27,5	24,0	14,0	19,0
1205563	1244216	R1A12M9123-1010	10	M18X1.5	34,0	17,5	30,0	25,0	17,0	22,0
1205757	1244217	R1A12M9123-1212	12	M20X1.5	38,0	21,5	31,0	29,0	17,0	24,0
1205733	1244218	R1A12M9123-1414	14	M22X1.5	40,0	22,0	35,0	30,0	19,0	27,0
1205532	1244219	R1A12M9123-1616	16	M24X1.5	43,0	24,5	36,5	33,0	24,0	30,0
1205533	1244220	R1A12M9123-2020	20	M30X2	48,0	26,5	44,5	37,0	27,0	36,0
1205534	1244221	R1A12M9123-2525	25	M36X2	54,0	30,0	50,0	42,0	36,0	46,0
1205734	1244222	R1A12M9123-3030	30	M42X2	62,0	35,5	55,0	49,0	41,0	50,0
1206412	1244223	R1A12M9123-3838	38	M52X2	72,0	41,0	64,5	57,0	50,0	60,0

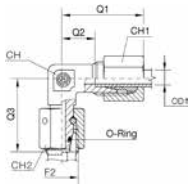
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11M9152

90° adjustable elbow connector DIN 24° Male - Female with O-Ring - Light series



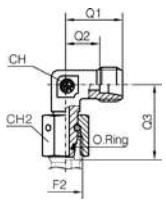


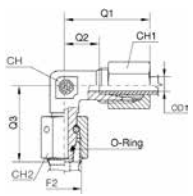
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
			mm		mm	mm	mm	mm	mm	mm
1211396	1243869	R1A11M9152-0606	6	M12X1.5	27,0	12,0	26,0	20,0	12,0	14,0
1207070	1243870	R1A11M9152-0808	8	M14X1.5	29,0	14,0	27,5	21,0	12,0	17,0
1244462	1206816	R1A11M9152-1010	10	M16X1.5	30,0	15,0	29,0	22,5	17,0	19,0
1206852	1243871	R1A11M9152-1212	12	M18X1.5	32,0	17,0	29,5	24,0	17,0	22,0
1206853	1243872	R1A11M9152-1515	15	M22X1.5	36,0	21,0	32,5	28,0	19,0	27,0
1206854	1243873	R1A11M9152-1818	18	M26X1.5	40,0	23,5	35,5	31,0	24,0	32,0
1206855	1243874	R1A11M9152-2222	22	M30X2	44,0	27,5	38,5	35,0	27,0	36,0
1211397	1243875	R1A11M9152-2828	28	M36X2	47,0	30,5	41,5	38,0	36,0	41,0
1208087	1243876	R1A11M9152-3535	35	M45X2	56,0	34,5	51,0	45,0	41,0	50,0
1211398	1243877	R1A11M9152-4242	42	M52X2	63,0	40,0	56,0	51,0	50,0	60,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M9162

90° adjustable elbow connector DIN 24° Male - Female with O-Ring - Heavy series





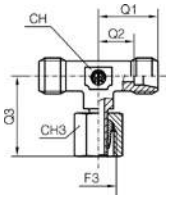
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
			mm		mm	mm	mm	mm	mm	mm
1208183	1244233	R1A12M9162-0606	6	M14X1.5	31,0	16,0	27,0	23,0	12,0	17,0
1206824	1244234	R1A12M9162-0808	8	M16X1.5	32,0	17,0	27,5	24,0	14,0	19,0
1211456	1244235	R1A12M9162-1010	10	M18X1.5	34,0	17,5	30,0	25,0	17,0	22,0
1206823	1244236	R1A12M9162-1212	12	M20X1.5	38,0	21,5	31,0	29,0	17,0	24,0
1208186	1244237	R1A12M9162-1414	14	M22X1.5	40,0	22,0	35,0	30,0	19,0	27,0
1207073	1244238	R1A12M9162-1616	16	M24X1.5	43,0	24,5	36,5	33,0	24,0	30,0
1207074	1244239	R1A12M9162-2020	20	M30X2	48,0	26,5	44,5	37,0	27,0	36,0
1241699	1207075	R1A12M9162-2525	25	M36X2	54,0	30,0	50,0	42,0	36,0	46,0
1207076	1244240	R1A12M9162-3030	30	M42X2	62,0	35,5	55,0	49,0	41,0	50,0
1211457	1244241	R1A12M9162-3838	38	M52X2	72,0	41,0	63,0	57,0	50,0	60,0

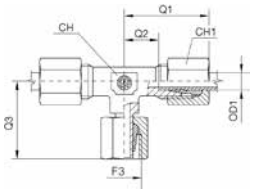
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11MT113

Branch Tee adjustable elbow connector DIN 24° Male - Female pre-assembled - Light series



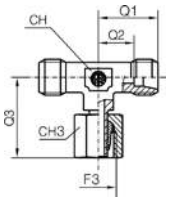


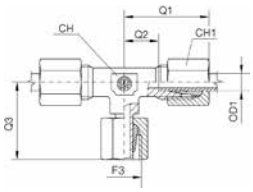
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
			mm		mm	mm	mm	mm	mm	mm
1204222	1243974	R1A11MT113-0606	6	M12X1.5	27,0	12,0	26,0	19,0	12,0	14,0
1205477	1241539	R1A11MT113-0808	8	M14X1.5	29,0	14,0	27,5	21,0	12,0	17,0
1205735	1241540	R1A11MT113-1010	10	M16X1.5	30,0	15,0	29,0	22,0	14,0	19,0
1205522	1241541	R1A11MT113-1212	12	M18X1.5	32,0	17,0	29,5	24,0	17,0	22,0
1205676	1243975	R1A11MT113-1515	15	M22X1.5	36,0	21,0	32,5	28,0	19,0	27,0
1205758	1243976	R1A11MT113-1818	18	M26X1.5	40,0	23,5	35,5	31,0	24,0	32,0
1205736	1243977	R1A11MT113-2222	22	M30X2	44,0	27,5	38,5	35,0	27,0	36,0
1206279	1243978	R1A11MT113-2828	28	M36X2	47,0	30,5	41,5	38,0	36,0	41,0
1206584	1243979	R1A11MT113-3535	35	M45X2	56,0	34,5	51,0	45,0	41,0	50,0
1206585	1243980	R1A11MT113-4242	42	M52X2	63,0	40,0	60,0	51,0	50,0	60,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12MT123

Branch Tee adjustable elbow connector DIN 24° Male - BSPP Male with O-Ring - Heavy series





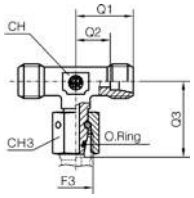
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
			mm		mm	mm	mm	mm	mm	mm
1206355	1244340	R1A12MT123-0606	6	M14X1.5	31,0	16,0	27,0	23,0	12,0	17,0
1206373	1244341	R1A12MT123-0808	8	M16X1.5	32,0	17,0	27,5	24,0	14,0	19,0
1205581	1244342	R1A12MT123-1010	10	M18X1.5	34,0	17,5	30,0	25,0	17,0	22,0
1205737	1244343	R1A12MT123-1212	12	M20X1.5	38,0	21,5	31,0	29,0	17,0	24,0
1206280	1244344	R1A12MT123-1414	14	M22X1.5	40,0	22,0	35,0	30,0	19,0	27,0
1205738	1244345	R1A12MT123-1616	16	M24X1.5	43,0	24,5	36,5	33,0	24,0	30,0
1205739	1244346	R1A12MT123-2020	20	M30X2	48,0	26,5	44,5	37,0	27,0	36,0
1206281	1244347	R1A12MT123-2525	25	M36X2	54,0	30,0	50,0	42,0	36,0	46,0
1206297	1244348	R1A12MT123-3030	30	M42X2	62,0	35,5	55,0	49,0	41,0	50,0
1206587	1244349	R1A12MT123-3838	38	M52X2	72,0	41,0	64,5	57,0	50,0	60,0

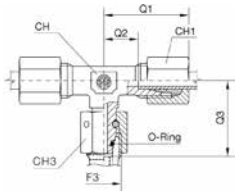
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11MT152

Branch Tee adjustable elbow connector DIN 24° Male - Female with O-Ring - Light series



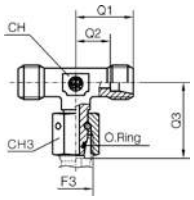


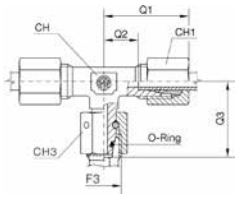
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
			mm		mm	mm	mm	mm	mm	mm
1211350	1243986	R1A11MT152-0606	6	M12X1.5	27,0	12,0	26,0	20,0	12,0	14,0
1208058	1243987	R1A11MT152-0808	8	M14X1.5	29,0	14,0	27,5	21,0	12,0	17,0
1206856	1243988	R1A11MT152-1010	10	M16X1.5	30,0	15,0	29,0	22,5	14,0	19,0
1210689	1241143	R1A11MT152-1212	12	M18X1.5	32,0	17,0	29,5	24,0	17,0	22,0
1208059	1243989	R1A11MT152-1515	15	M22X1.5	36,0	21,0	32,5	28,0	19,0	27,0
1208060	1243990	R1A11MT152-1818	18	M26X1.5	40,0	23,5	35,5	31,0	24,0	32,0
1211351	1243991	R1A11MT152-2222	22	M30X2	44,0	27,5	38,5	35,0	27,0	36,0
1211352	1243992	R1A11MT152-2828	28	M36X2	47,0	30,5	41,5	38,0	36,0	41,0
1208061	1243993	R1A11MT152-3535	35	M45X2	56,0	34,5	51,0	45,0	41,0	50,0
1211353	1243994	R1A11MT152-4242	42	M52X2	63,0	40,0	56,0	51,0	50,0	60,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12MT162

Branch Tee adjustable elbow connector DIN 24° Male - Female with O-Ring - Heavy series





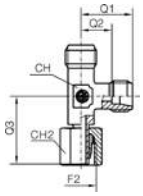
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
			mm		mm	mm	mm	mm	mm	mm
1211404	1244360	R1A12MT162-0606	6	M14X1.5	31,0	16,0	27,0	23,0	12,0	17,0
1211405	1244361	R1A12MT162-0808	8	M16X1.5	32,0	17,0	27,5	24,0	14,0	19,0
1208196	1244362	R1A12MT162-1010	10	M18X1.5	34,0	17,5	30,0	25,0	17,0	22,0
1208197	1244363	R1A12MT162-1212	12	M20X1.5	38,0	21,5	31,0	29,0	17,0	24,0
1211406	1244364	R1A12MT162-1414	14	M22X1.5	40,0	22,0	35,0	30,0	19,0	27,0
1207470	1244365	R1A12MT162-1616	16	M24X1.5	43,0	24,5	36,5	33,0	24,0	30,0
1211407	1244366	R1A12MT162-2020	20	M30X2	48,0	26,5	44,5	37,0	27,0	36,0
1211408	1244367	R1A12MT162-2525	25	M36X2	54,0	30,0	50,0	42,0	36,0	46,0
1211409	1244368	R1A12MT162-3030	30	M42X2	62,0	35,5	55,0	49,0	41,0	50,0
1211410	1244369	R1A12MT162-3838	38	M52X2	72,0	41,0	63,0	57,0	50,0	60,0

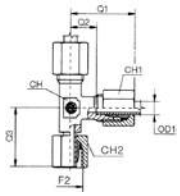
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11ML113

Run Tee adjustable elbow connector DIN 24° Male - Female pre-assembled - Light series



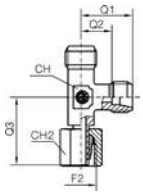


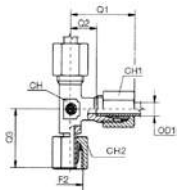
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
			mm		mm	mm	mm	mm	mm	mm
1205478	1241964	R1A11ML113-0606	6	M12X1.5	27,0	12,0	26,0	19,0	12,0	14,0
1205479	1241535	R1A11ML113-0808	8	M14X1.5	29,0	14,0	27,5	21,0	12,0	17,0
1205677	1241702	R1A11ML113-1010	10	M16X1.5	30,0	15,0	29,0	22,0	14,0	19,0
1242248	1241536	R1A11ML113-1212	12	M18X1.5	32,0	17,0	29,5	24,0	17,0	22,0
1204221	1241537	R1A11ML113-1515	15	M22X1.5	36,0	21,0	32,5	28,0	19,0	27,0
1205529	1243939	R1A11ML113-1818	18	M26X1.5	40,0	23,5	35,5	31,0	24,0	32,0
1205759	1243940	R1A11ML113-2222	22	M30X2	44,0	27,5	38,5	35,0	27,0	36,0
1206072	1243941	R1A11ML113-2828	28	M36X2	47,0	30,5	41,5	38,0	36,0	41,0
1206129	1243942	R1A11ML113-3535	35	M45X2	56,0	34,5	51,0	45,0	41,0	50,0
1206586	1243943	R1A11ML113-4242	42	M52X2	63,0	40,0	60,0	51,0	50,0	60,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12ML123

Run Tee adjustable elbow connector DIN 24° Male - Female pre-assembled - Heavy series





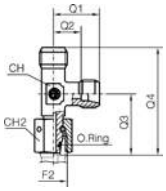
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
			mm		mm	mm	mm	mm	mm	mm
1206354	1244302	R1A12ML123-0606	6	M14X1.5	31,0	16,0	27,0	23,0	12,0	17,0
1206367	1244303	R1A12ML123-0808	8	M16X1.5	32,0	17,0	27,5	24,0	14,0	19,0
1205580	1244304	R1A12ML123-1010	10	M18X1.5	34,0	17,5	30,0	25,0	17,0	22,0
1206179	1244305	R1A12ML123-1212	12	M20X1.5	38,0	21,5	31,0	29,0	17,0	24,0
1206130	1244306	R1A12ML123-1414	14	M22X1.5	40,0	22,0	35,0	30,0	19,0	27,0
1206010	1244307	R1A12ML123-1616	16	M24X1.5	43,0	24,5	36,5	33,0	24,0	30,0
1205678	1244308	R1A12ML123-2020	20	M30X2	48,0	26,5	44,5	37,0	27,0	36,0
1206255	1244309	R1A12ML123-2525	25	M36X2	54,0	30,0	50,0	42,0	36,0	46,0
1205574	1244310	R1A12ML123-3030	30	M42X2	62,0	35,5	55,0	49,0	41,0	50,0
1206588	1244311	R1A12ML123-3838	38	M52X2	72,0	41,0	64,5	57,0	50,0	60,0

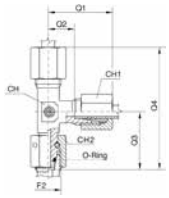
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11ML152

Run Tee adjustable elbow connector DIN 24° Male - Female with O-Ring - Light series



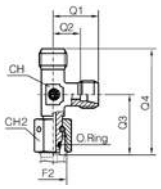


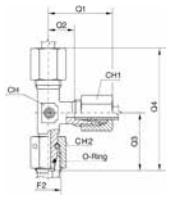
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
			mm		mm	mm	mm	mm	mm	mm
1211347	1243944	R1A11ML152-0606	6	M12X1.5	27,0	12,0	26,0	20,0	12,0	14,0
1208088	1243945	R1A11ML152-0808	8	M14X1.5	29,0	14,0	27,5	21,0	12,0	17,0
1206813	1243946	R1A11ML152-1010	10	M16X1.5	30,0	15,0	29,0	22,5	14,0	19,0
1206889	1243947	R1A11ML152-1212	12	M18X1.5	32,0	17,0	29,5	24,0	17,0	22,0
1207522	1243948	R1A11ML152-1515	15	M22X1.5	36,0	21,0	32,5	28,0	19,0	27,0
1208089	1243949	R1A11ML152-1818	18	M26X1.5	40,0	23,5	35,5	31,0	24,0	32,0
1207518	1243950	R1A11ML152-2222	22	M30X2	44,0	27,5	38,5	35,0	27,0	36,0
1208090	1243951	R1A11ML152-2828	28	M36X2	47,0	30,5	41,5	38,0	36,0	41,0
1211348	1243952	R1A11ML152-3535	35	M45X2	56,0	34,5	51,0	45,0	41,0	50,0
1211349	1243953	R1A11ML152-4242	42	M52X2	63,0	40,0	56,0	51,0	50,0	60,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12ML162

Run Tee adjustable elbow connector DIN 24° Male - Female with O-Ring - Heavy series





Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1
			mm		mm	mm	mm	mm	mm	mm
1211400	1244312	R1A12ML162-0606	6	M14X1.5	31,0	16,0	27,0	23,0	12,0	17,0
1207087	1244313	R1A12ML162-0808	8	M16X1.5	32,0	17,0	27,5	24,0	14,0	19,0
1211401	1244314	R1A12ML162-1010	10	M18X1.5	34,0	17,5	30,0	25,0	17,0	22,0
1208190	1244315	R1A12ML162-1212	12	M20X1.5	38,0	21,5	31,0	29,0	17,0	24,0
1206883	1244316	R1A12ML162-1414	14	M22X1.5	40,0	22,0	35,0	30,0	19,0	27,0
1211402	1244317	R1A12ML162-1616	16	M24X1.5	43,0	24,5	36,5	33,0	24,0	30,0
1208193	1244318	R1A12ML162-2020	20	M30X2	48,0	26,5	44,5	37,0	27,0	36,0
1207086	1244319	R1A12ML162-2525	25	M36X2	54,0	30,0	50,0	42,0	36,0	46,0
1211403	1244320	R1A12ML162-3030	30	M42X2	62,0	35,5	55,0	49,0	41,0	50,0
1208194	1244321	R1A12ML162-3838	38	M52X2	72,0	41,0	63,0	57,0	50,0	60,0

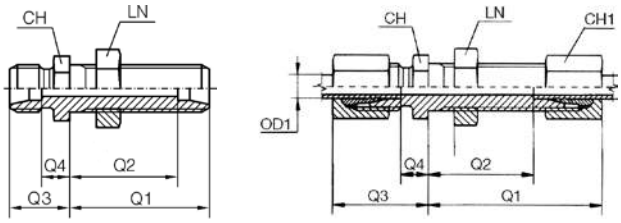
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// BULKHEAD

// R1A11T111M

Straight union DIN 24° Bulkhead - Light series

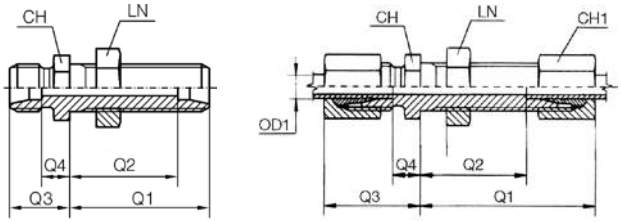


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	Q5	CH	CH1	LN
			mm		mm	mm	mm	mm	mm	mm	mm	mm
1206125	1244014	R1A11T111M-0606	6	M12X1.5	42,0	27,0	22,0	7,0	14,0	17,0	14,0	17,0
1205545	1240816	R1A11T111M-0808	8	M14X1.5	42,0	27,0	23,0	8,0	15,0	19,0	17,0	19,0
1206243	1240818	R1A11T111M-1010	10	M16X1.5	43,0	28,0	25,0	10,0	17,0	22,0	19,0	22,0
1205892	1241544	R1A11T111M-1212	12	M18X1.5	44,0	29,0	25,0	10,0	17,0	24,0	22,0	24,0
1205679	1241546	R1A11T111M-1515	15	M22X1.5	46,0	31,0	27,0	12,0	19,0	27,0	27,0	30,0
1206126	1244015	R1A11T111M-1818	18	M26X1.5	49,0	32,5	30,0	13,5	19,0	32,0	32,0	36,0
1205540	1244016	R1A11T111M-2222	22	M30X2	51,0	34,5	33,0	16,5	24,0	36,0	36,0	41,0
1206071	1244017	R1A11T111M-2828	28	M36X2	52,0	35,5	35,0	18,5	26,0	41,0	41,0	46,0
1206244	1244018	R1A11T111M-3535	35	M45X2	58,0	36,5	40,0	18,5	29,0	50,0	50,0	55,0
1207043	1244019	R1A11T111M-4242	42	M52X2	59,0	36,0	42,0	19,0	30,0	60,0	60,0	65,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12T112M

Straight union DIN 24° Bulkhead - Heavy series



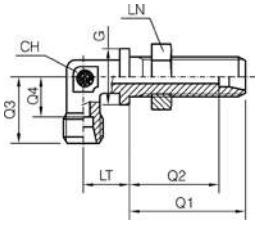
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	Q5	CH	CH1	LN
			mm		mm	mm	mm	mm	mm	mm	mm	mm
1206358	1244389	R1A12T112M-0606	6	M14X1.5	44,0	29,0	27,0	12,0	19,0	19,0	17,0	19,0
1205969	1244390	R1A12T112M-0808	8	M16X1.5	44,0	29,0	28,0	13,0	20,0	22,0	19,0	22,0
1206245	1244391	R1A12T112M-1010	10	M18X1.5	46,0	29,5	31,0	14,5	22,0	24,0	22,0	24,0
1206247	1244392	R1A12T112M-1212	12	M20X1.5	47,0	30,5	31,0	14,5	22,0	27,0	24,0	27,0
1206246	1244393	R1A12T112M-1414	14	M22X1.5	50,0	32,0	35,0	17,0	25,0	30,0	27,0	30,0
1205970	1243660	R1A12T112M-1616	16	M24X1.5	50,0	31,5	35,0	16,5	25,0	32,0	30,0	32,0
1205957	1244394	R1A12T112M-2020	20	M30X2	55,0	33,5	39,0	17,5	28,0	41,0	36,0	41,0
1206127	1244395	R1A12T112M-2525	25	M36X2	59,0	35,0	44,0	20,0	32,0	46,0	46,0	46,0
1205575	1244396	R1A12T112M-3030	30	M42X2	64,0	37,5	48,0	21,5	35,0	50,0	50,0	50,0
1206417	1244397	R1A12T112M-3838	38	M52X2	68,0	37,0	53,0	22,0	38,0	65,0	60,0	65,0

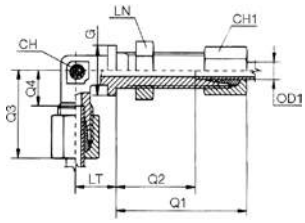
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11T911M

90° union DIN 24° Bulkhead - Light series



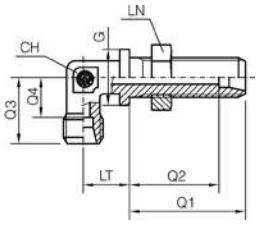


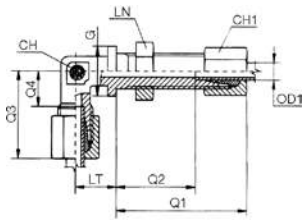
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	LN
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1206248	1241547	R1A11T911M-0606	6	M12X1.5	42,0	27,0	27,0	12,0	19,0	14,0	12,0	14,0	17,0
1206249	1241548	R1A11T911M-0808	8	M14X1.5	42,0	27,0	29,0	14,0	21,0	17,0	12,0	17,0	19,0
1206250	1241549	R1A11T911M-1010	10	M16X1.5	43,0	28,0	30,0	15,0	22,0	18,0	14,0	19,0	22,0
1206251	1244020	R1A11T911M-1212	12	M18X1.5	44,0	29,0	32,0	17,0	24,0	20,0	17,0	22,0	24,0
1205686	1244021	R1A11T911M-1515	15	M22X1.5	46,0	31,0	36,0	21,0	28,0	23,0	19,0	27,0	30,0
1206252	1244022	R1A11T911M-1818	18	M26X1.5	49,0	32,5	40,0	23,5	31,0	24,0	24,0	32,0	36,0
1206253	1244023	R1A11T911M-2222	22	M30X2	51,0	34,5	44,0	27,5	35,0	30,0	27,0	36,0	41,0
1206357	1244024	R1A11T911M-2828	28	M36X2	52,0	35,5	47,0	30,5	38,0	34,0	36,0	41,0	46,0
1206254	1244025	R1A11T911M-3535	35	M45X2	58,0	36,5	56,0	34,5	45,0	39,0	41,0	50,0	55,0
1206820	1244026	R1A11T911M-4242	42	M52X2	59,0	36,0	63,0	40,0	51,0	43,0	50,0	60,0	65,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12T912M

90° union DIN 24° Bulkhead - Heavy series





Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	LN
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1207147	1244398	R1A12T912M-0606	6	M14X1.5	44,0	29,0	31,0	16,0	23,0	17,0	12,0	17,0	19,0
1206374	1244399	R1A12T912M-0808	8	M16X1.5	44,0	29,0	32,0	17,0	24,0	18,0	14,0	19,0	22,0
1206256	1244400	R1A12T912M-1010	10	M18X1.5	46,0	29,5	34,0	17,5	25,0	20,0	17,0	22,0	24,0
1206260	1244401	R1A12T912M-1212	12	M20X1.5	47,0	30,5	38,0	21,5	29,0	21,0	17,0	24,0	27,0
1206257	1244402	R1A12T912M-1414	14	M22X1.5	50,0	32,0	40,0	22,0	30,0	23,0	19,0	27,0	30,0
1206258	1243661	R1A12T912M-1616	16	M24X1.5	50,0	31,5	43,0	24,5	33,0	24,0	24,0	30,0	32,0
1206259	1244403	R1A12T912M-2020	20	M30X2	55,0	33,5	48,0	26,5	37,0	30,0	27,0	36,0	41,0
1206261	1244404	R1A12T912M-2525	25	M36X2	59,0	35,0	54,0	30,0	42,0	34,0	36,0	46,0	46,0
1207148	1244405	R1A12T912M-3030	30	M42X2	64,0	37,5	62,0	35,5	49,0	39,0	41,0	50,0	50,0
1207149	1244406	R1A12T912M-3838	38	M52X2	68,0	37,0	72,0	41,0	57,0	43,0	50,0	60,0	65,0

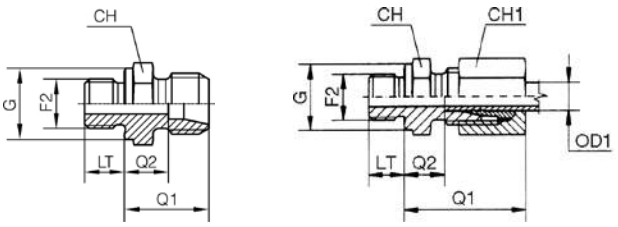
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// METRIC

// R1A11M150M

Straight connector DIN 24° Male - Metric cylindric Male - Light series

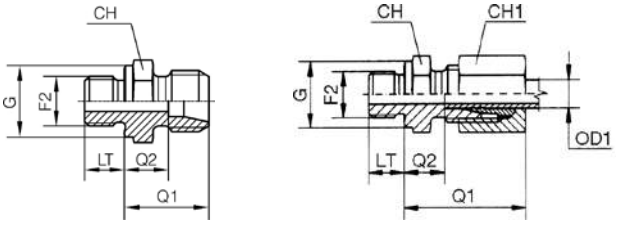


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	CH	CH1	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm
1205809	1243830	R1A11M150M-0610	6	M10X1.0	23,0	8,5	15,5	14,0	14,0	8,0	14,0
1205684	1243831	R1A11M150M-0812	8	M12X1.5	25,0	10,0	17,0	17,0	17,0	12,0	17,0
1205556	1243832	R1A11M150M-1014	10	M14X1.5	26,0	11,0	18,0	19,0	19,0	12,0	19,0
1203520	1243833	R1A11M150M-1216	12	M16X1.5	27,0	12,5	19,5	22,0	22,0	12,0	21,0
1205557	1243834	R1A11M150M-1518	15	M18X1.5	29,0	14,0	20,5	24,0	27,0	14,0	23,0
1206006	1243835	R1A11M150M-1822	18	M22X1.5	31,0	14,5	22,0	27,0	32,0	14,0	27,0
1205812	1243836	R1A11M150M-2226	22	M26X1.5	33,0	16,5	24,0	32,0	36,0	16,0	31,0
1206534	1243837	R1A11M150M-2833	28	M33X2.0	34,0	17,5	25,0	41,0	41,0	18,0	39,0
1208162	1243838	R1A11M150M-3542	35	M42X2	39,0	17,5	28,0	50,0	50,0	20,0	49,0
1207814	1243839	R1A11M150M-4248	42	M48X2.0	42,0	19,0	30,0	55,0	60,0	22,0	55,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M150M

Straight connector DIN 24° Male - Metric cylindric Male - Heavy series



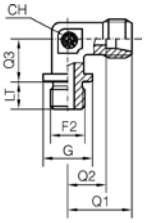
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	CH	CH1	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm
1206225	1244185	R1A12M150M-0612	6	M12X1.5	28,0	13,0	20,0	17,0	17,0	12,0	17,0
1206226	1244186	R1A12M150M-0814	8	M14X1.5	30,0	15,0	22,0	19,0	19,0	12,0	19,0
1205971	1244187	R1A12M150M-1016	10	M16X1.5	31,0	15,0	22,5	22,0	22,0	12,0	21,0
1205813	1244188	R1A12M150M-1218	12	M18X1.5	33,0	17,0	24,5	24,0	24,0	12,0	23,0
1205814	1244189	R1A12M150M-1420	14	M20X1.5	37,0	19,0	27,0	27,0	27,0	14,0	25,0
1205815	1244190	R1A12M150M-1622	16	M22X1.5	37,0	18,5	27,0	27,0	30,0	14,0	27,0
1205816	1244191	R1A12M150M-2027	20	M27X2	42,0	20,5	31,0	32,0	36,0	16,0	32,0
1205817	1244192	R1A12M150M-2533	25	M33X2.0	47,0	23,0	35,0	41,0	46,0	18,0	39,0
1211293	1244193	R1A12M150M-3042	30	M42X2	50,0	23,5	37,0	50,0	50,0	20,0	49,0
1211294	1244194	R1A12M150M-3848	38	M48X2.0	57,0	26,0	42,0	55,0	60,0	22,0	55,0

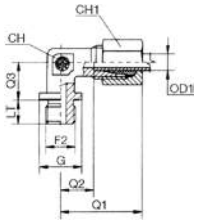
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11M950M

90° elbow connector DIN 24° Male - Metric cylindric Male - Light series



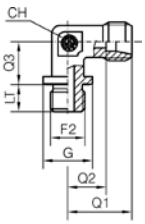


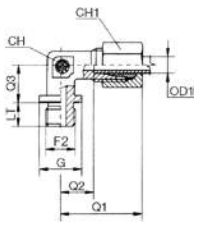
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm
1211163	1243878	R1A11M950M-2226	22	M26X1.5	44,0	27,5	26,0	35,0	27,0	36,0	16,0	31,0
1211164	1243879	R1A11M950M-2833	28	M33X2.0	47,0	30,5	30,0	38,0	36,0	41,0	18,0	39,0
1211165	1243880	R1A11M950M-3542	35	M42X2	56,0	34,5	34,0	45,0	41,0	50,0	20,0	49,0
1211166	1243881	R1A11M950M-4248	42	M48X2.0	63,0	40,0	39,0	51,0	50,0	60,0	22,0	55,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M950M

90° elbow connector DIN 24° Male - Metric cylindric Male - Heavy series





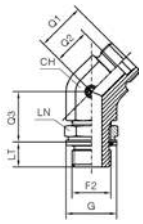
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm
1211320	1244242	R1A12M950M-2027	20	M27X2	48,0	26,5	26,0	37,0	27,0	36,0	16,0	32,0
1211321	1244243	R1A12M950M-2533	25	M33X2.0	54,0	31,0	30,0	42,0	36,0	46,0	18,0	39,0
1211322	1244244	R1A12M950M-3042	30	M42X2	62,0	35,5	34,0	49,0	41,0	50,0	20,0	49,0
1211323	1244245	R1A12M950M-3848	38	M48X2.0	72,0	41,0	39,0	57,0	50,0	60,0	22,0	55,0

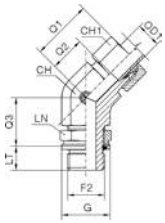
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11M452Q

45° adjustable elbow connector DIN 24° Male - Metric Male with O-Ring and retaining ring - Light series



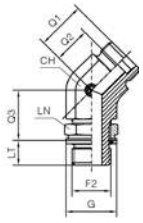


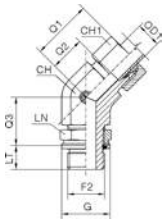
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1244877	1244949	R1A11M452Q-0610	6	M10X1.0	29,0	14,0	20,0	21,0	14,0	14,0	14,0	7,5	15,0
1244878	1244950	R1A11M452Q-0812	8	M12X1.5	31,0	16,0	22,5	23,0	14,0	17,0	17,0	9,5	18,0
1239701	1244951	R1A11M452Q-1014	10	M14X1.5	32,0	17,0	25,5	24,0	19,0	19,0	19,0	9,5	20,0
1244879	1244952	R1A11M452Q-1216	12	M16X1.5	34,0	19,0	26,0	26,0	19,0	22,0	22,0	10,0	23,0
1244880	1244953	R1A11M452Q-1518	15	M18X1.5	36,0	21,0	30,0	28,0	22,0	27,0	24,0	11,0	25,0
1244881	1244954	R1A11M452Q-1822	18	M22X1.5	40,0	24,0	34,0	31,5	27,0	32,0	27,0	11,0	28,0
1244882	1244955	R1A11M452Q-2227	22	M27X2	44,0	28,0	36,0	35,5	33,0	36,0	32,0	13,5	33,0
1244883	1244956	R1A11M452Q-2833	28	M33X2.0	47,0	31,0	40,5	38,5	41,0	41,0	41,0	13,5	41,0
1244884	1244957	R1A11M452Q-3542	35	M42X2	59,0	38,0	48,5	48,5	48,0	50,0	50,0	13,5	51,0
1244885	1244958	R1A11M452Q-4248	42	M48X2.0	61,0	38,0	50,0	49,0	48,0	60,0	55,0	15,0	56,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M452Q

45° adjustable elbow connector DIN 24° Male - Metric Male with O-Ring and retaining ring - Heavy series





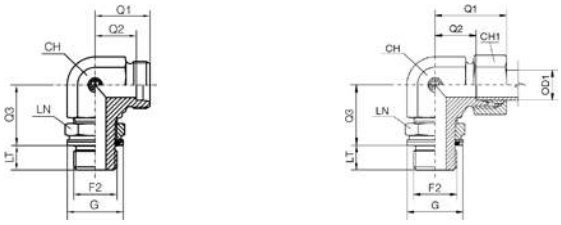
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1244903	1245017	R1A12M452Q-0612	6	M12X1.5	30,5	15,5	23,5	22,5	14,0	17,0	17,0	9,5	18,0
1244904	1245018	R1A12M452Q-0814	8	M14X1.5	33,0	18,0	26,5	25,0	19,0	19,0	19,0	9,5	20,0
1237052	1245019	R1A12M452Q-1016	10	M16X1.5	34,0	18,0	27,0	25,5	19,0	22,0	22,0	11,0	23,0
1244905	1245020	R1A12M452Q-1218	12	M18X1.5	38,0	22,0	30,5	29,5	22,0	24,0	24,0	12,5	25,0
1244906	1245021	R1A12M452Q-1622	16	M22X1.5	43,0	25,0	37,0	33,5	27,0	30,0	27,0	13,0	28,0
1237053	1245022	R1A12M452Q-2027	20	M27X2	49,0	28,0	39,5	38,5	33,0	36,0	32,0	14,0	33,0
1244907	1245023	R1A12M452Q-2533	25	M33X2.0	54,5	30,5	43,0	42,5	41,0	46,0	41,0	14,0	41,0
1244908	1245024	R1A12M452Q-3042	30	M42X2	62,0	36,0	52,0	49,5	48,0	50,0	50,0	16,0	51,0
1244909	1245025	R1A12M452Q-3848	38	M48X2.0	65,0	34,0	51,0	50,0	48,0	60,0	55,0	18,0	56,0

Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11M952Q

90° adjustable elbow connector DIN 24° Male - Metric Male with O-Ring and retaining ring - Light series

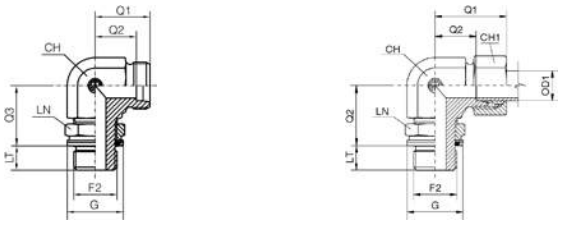


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1242471	1243882	R1A11M952Q-0610	6	M10X1.0	29,0	14,0	20,0	21,0	14,0	14,0	14,0	7,5	15,0
1231361	1243883	R1A11M952Q-0812	8	M12X1.5	31,0	16,0	22,5	23,0	14,0	17,0	17,0	9,5	18,0
1231362	1243884	R1A11M952Q-1014	10	M14X1.5	32,0	17,0	25,5	24,0	19,0	19,0	19,0	9,5	20,0
1242472	1243885	R1A11M952Q-1216	12	M16X1.5	34,0	19,0	26,0	26,0	19,0	22,0	22,0	10,0	23,0
1231363	1243886	R1A11M952Q-1518	15	M18X1.5	36,0	21,0	30,0	28,0	22,0	27,0	24,0	11,0	25,0
1242473	1243887	R1A11M952Q-1822	18	M22X1.5	40,0	24,0	34,0	31,5	27,0	32,0	27,0	11,0	28,0
1237041	1243888	R1A11M952Q-2227	22	M27X2	44,0	28,0	36,0	35,5	33,0	36,0	32,0	13,5	33,0
1231364	1243889	R1A11M952Q-2833	28	M33X2.0	47,0	31,0	40,5	38,5	41,0	41,0	41,0	13,5	41,0
1231365	1243890	R1A11M952Q-3542	35	M42X2	59,0	38,0	48,5	48,5	48,0	50,0	50,0	13,5	51,0
1242474	1243891	R1A11M952Q-4248	42	M48X2.0	61,0	38,0	50,0	49,0	48,0	60,0	55,0	15,0	56,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M952Q

90° adjustable elbow connector DIN 24° Male - Metric Male with O-Ring and retaining ring - Heavy series



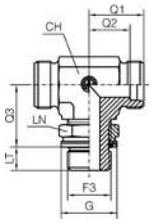
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1231379	1244246	R1A12M952Q-0612	6	M12X1.5	30,5	15,5	23,5	22,5	14,0	17,0	17,0	9,5	18,0
1216243	1244247	R1A12M952Q-0814	8	M14X1.5	33,0	18,0	26,5	25,0	19,0	19,0	19,0	9,5	20,0
1242475	1244248	R1A12M952Q-1016	10	M16X1.5	34,0	18,0	27,0	25,5	19,0	22,0	22,0	11,0	23,0
1242476	1244249	R1A12M952Q-1218	12	M18X1.5	38,0	22,0	30,5	29,5	22,0	24,0	24,0	12,5	25,0
1242477	1244250	R1A12M952Q-1622	16	M22X1.5	43,0	25,0	37,0	33,5	27,0	30,0	27,0	13,0	28,0
1211329	1244251	R1A12M952Q-2027	20	M27X2	49,0	28,0	39,5	38,5	33,0	36,0	32,0	14,0	33,0
1242478	1244252	R1A12M952Q-2533	25	M33X2.0	54,5	30,5	43,0	42,5	41,0	46,0	41,0	14,0	41,0
1242479	1244253	R1A12M952Q-3042	30	M42X2	62,0	36,0	52,0	49,5	48,0	50,0	50,0	16,0	51,0
1242480	1244254	R1A12M952Q-3848	38	M48X2.0	65,0	34,0	51,0	50,0	48,0	60,0	55,0	18,0	56,0

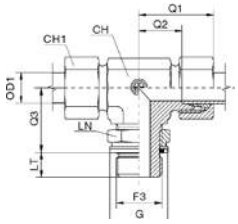
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11MT52Q

Branch Tee adjustable elbow connector DIN 24° Male - Metric Male with O-Ring and retaining ring - Light series



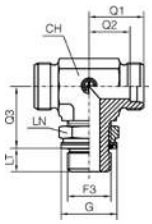


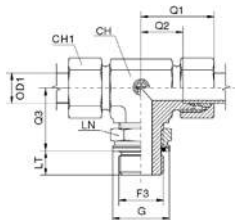
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1242481	1243995	R1A11MT52Q-0610	6	M12X1.5	29,0	14,0	20,0	21,0	14,0	14,0	14,0	7,5	15,0
1242482	1243996	R1A11MT52Q-0812	8	M14X1.5	31,0	16,0	22,5	23,0	14,0	17,0	17,0	9,5	18,0
1242483	1243997	R1A11MT52Q-1014	10	M16X1.5	32,0	17,0	25,5	24,0	19,0	19,0	19,0	9,5	20,0
1242484	1243998	R1A11MT52Q-1216	12	M18X1.5	34,0	19,0	26,0	26,0	19,0	22,0	22,0	10,0	23,0
1242485	1243999	R1A11MT52Q-1518	15	M22X1.5	36,0	21,0	30,0	28,0	22,0	27,0	24,0	11,0	25,0
1242486	1244000	R1A11MT52Q-1822	18	M26X1.5	40,0	24,0	34,0	31,5	27,0	32,0	27,0	11,0	28,0
1242487	1244001	R1A11MT52Q-2227	22	M30X2	44,0	28,0	36,0	35,5	33,0	36,0	32,0	13,5	33,0
1242488	1244002	R1A11MT52Q-2833	28	M36X2	47,0	31,0	40,5	38,5	41,0	41,0	41,0	13,5	41,0
1242489	1244003	R1A11MT52Q-3542	35	M45X2	59,0	38,0	48,5	48,5	48,0	50,0	50,0	13,5	51,0
1237043	1244004	R1A11MT52Q-4248	42	M52X2	61,0	38,0	50,0	49,0	48,0	60,0	55,0	15,0	56,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12MT52Q

Branch Tee adjustable elbow connector DIN 24° Male - Metric Male with O-Ring and retaining ring - Heavy series





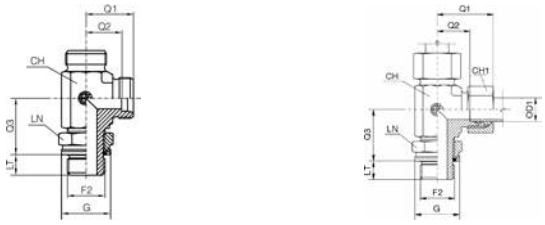
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1242490	1244370	R1A12MT52Q-0612	6	M14X1.5	30,5	15,5	23,5	22,5	14,0	17,0	17,0	9,5	18,0
1242491	1244371	R1A12MT52Q-0814	8	M16X1.5	33,0	18,0	26,5	25,0	19,0	19,0	19,0	9,5	20,0
1242492	1244372	R1A12MT52Q-1016	10	M18X1.5	34,0	18,0	27,0	25,5	19,0	22,0	22,0	11,0	23,0
1242493	1244373	R1A12MT52Q-1218	12	M20X1.5	38,0	22,0	30,5	29,5	22,0	24,0	24,0	12,5	25,0
1242494	1244374	R1A12MT52Q-1622	16	M24X1.5	43,0	25,0	37,0	33,5	27,0	30,0	27,0	13,0	28,0
1242495	1244375	R1A12MT52Q-2027	20	M30X2	49,0	28,0	39,5	38,5	33,0	36,0	32,0	14,0	33,0
1242496	1244376	R1A12MT52Q-2533	25	M36X2	54,5	30,5	43,0	42,5	41,0	46,0	41,0	14,0	41,0
1242497	1244377	R1A12MT52Q-3042	30	M42X2	62,0	36,0	52,0	49,5	48,0	50,0	50,0	16,0	51,0
1242498	1244378	R1A12MT52Q-3848	38	M52X2	65,0	34,0	51,0	50,0	48,0	60,0	55,0	18,0	56,0

Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11ML52Q

Run Tee adjustable elbow connector DIN 24° Male - Metric Male with O-Ring and retaining ring - Light series

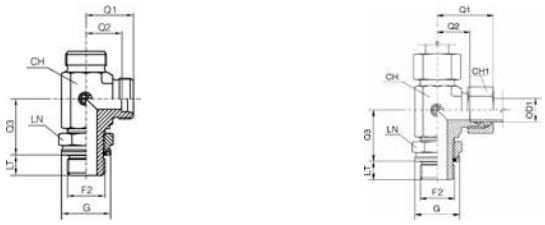


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1242499	1243954	R1A11ML52Q-0610	6	M10X1.0	29,0	14,0	20,0	21,0	14,0	14,0	14,0	7,5	15,0
1242500	1243955	R1A11ML52Q-0812	8	M12X1.5	31,0	16,0	22,5	23,0	14,0	17,0	17,0	9,5	18,0
1242501	1243956	R1A11ML52Q-1014	10	M14X1.5	32,0	17,0	25,5	24,0	19,0	19,0	19,0	9,5	20,0
1242502	1243957	R1A11ML52Q-1216	12	M16X1.5	34,0	19,0	26,0	26,0	19,0	22,0	22,0	10,0	23,0
1242503	1243958	R1A11ML52Q-1518	15	M18X1.5	36,0	21,0	30,0	28,0	22,0	27,0	24,0	11,0	25,0
1242504	1243959	R1A11ML52Q-1822	18	M22X1.5	40,0	24,0	34,0	31,5	27,0	32,0	27,0	11,0	28,0
1242505	1243960	R1A11ML52Q-2227	22	M27X2	44,0	28,0	36,0	35,5	33,0	36,0	32,0	13,5	33,0
1242506	1243961	R1A11ML52Q-2833	28	M33X2.0	47,0	31,0	40,5	38,5	41,0	41,0	41,0	13,5	41,0
1242507	1243962	R1A11ML52Q-3542	35	M42X2	59,0	38,0	48,5	48,5	48,0	50,0	50,0	13,5	51,0
1242508	1243963	R1A11ML52Q-4248	42	M48X2.0	61,0	38,0	50,0	49,0	48,0	60,0	55,0	15,0	56,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12ML52Q

Run Tee adjustable elbow connector DIN 24° Male - Metric Male with O-Ring and retaining ring - Heavy series



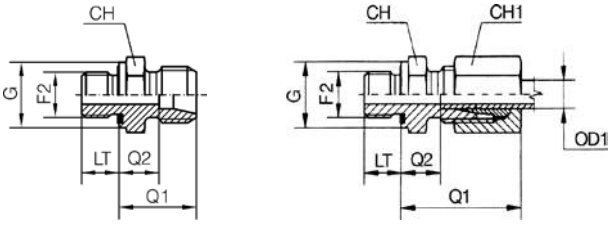
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1242509	1244322	R1A12ML52Q-0612	6	M12X1.5	30,5	15,5	23,5	22,5	14,0	17,0	17,0	9,5	18,0
1242510	1244323	R1A12ML52Q-0814	8	M14X1.5	33,0	18,0	26,5	25,0	19,0	19,0	19,0	9,5	20,0
1242511	1244324	R1A12ML52Q-1016	10	M16X1.5	34,0	18,0	27,0	25,5	19,0	22,0	22,0	11,0	23,0
1242512	1244325	R1A12ML52Q-1218	12	M18X1.5	38,0	22,0	30,5	29,5	22,0	24,0	24,0	12,5	25,0
1242513	1244326	R1A12ML52Q-1622	16	M22X1.5	43,0	25,0	37,0	33,5	27,0	30,0	27,0	13,0	28,0
1242514	1244327	R1A12ML52Q-2027	20	M27X2	49,0	28,0	39,5	38,5	33,0	36,0	32,0	14,0	33,0
1242515	1244328	R1A12ML52Q-2533	25	M33X2.0	54,5	30,5	43,0	45,5	41,0	46,0	41,0	14,0	41,0
1242516	1244329	R1A12ML52Q-3042	30	M42X2	62,0	36,0	52,0	49,5	48,0	50,0	50,0	16,0	51,0
1242517	1244330	R1A12ML52Q-3848	38	M48X2.0	65,0	34,0	51,0	50,0	48,0	60,0	55,0	18,0	56,0

Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11M152I

Straight connector DIN 24° Male - Metric cylindric Male with elastomer - Light series

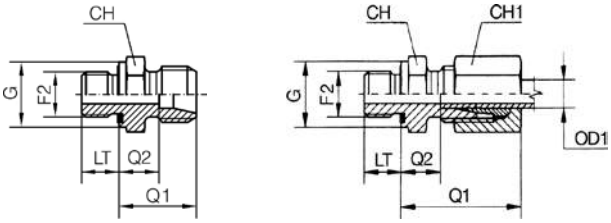


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	CH	CH1	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm
1206135	1241558	R1A11M152I-0610	6	M10X1.0	23,0	8,5	15,5	14,0	14,0	8,0	14,0
1206136	1241700	R1A11M152I-0812	8	M12X1.5	25,0	10,0	17,0	17,0	17,0	12,0	17,0
1206137	1243840	R1A11M152I-1014	10	M14X1.5	26,0	11,0	18,0	19,0	19,0	12,0	19,0
1206163	1243841	R1A11M152I-1216	12	M16X1.5	27,0	12,5	19,5	22,0	22,0	12,0	22,0
1206138	1243842	R1A11M152I-1518	15	M18X1.5	29,0	14,0	20,5	24,0	27,0	14,0	24,0
1206085	1243843	R1A11M152I-1822	18	M22X1.5	31,0	14,5	22,0	27,0	32,0	14,0	27,0
1206284	1243844	R1A11M152I-2226	22	M26X1.5	33,0	16,5	24,0	32,0	36,0	16,0	32,0
1207004	1243845	R1A11M152I-2833	28	M33X2.0	34,0	17,5	25,0	41,0	41,0	18,0	40,0
1207005	1243846	R1A11M152I-3542	35	M42X2	39,0	17,5	28,0	50,0	50,0	20,0	50,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M152I

Straight connector DIN 24° Male - Metric cylindric Male with elastomer - Heavy series



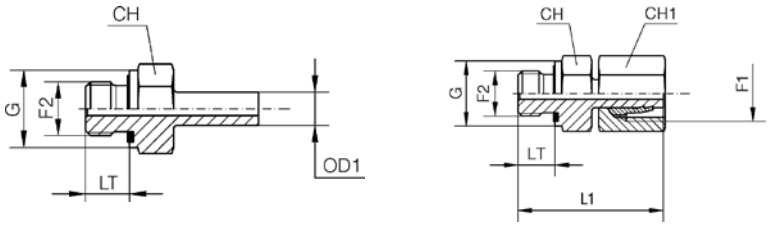
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	CH	CH1	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm
1206285	1244195	R1A12M152I-0612	6	M12X1.5	28,0	13,0	20,0	17,0	17,0	12,0	17,0
1207024	1244196	R1A12M152I-0814	8	M14X1.5	30,0	15,0	22,0	19,0	19,0	12,0	19,0
1206286	1244197	R1A12M152I-1016	10	M16X1.5	31,0	15,0	22,5	22,0	22,0	12,0	22,0
1206162	1244198	R1A12M152I-1218	12	M18X1.5	33,0	17,0	24,5	24,0	24,0	12,0	24,0
1211295	1244199	R1A12M152I-1420	14	M20X1.5	37,0	19,0	27,0	27,0	27,0	14,0	26,0
1206287	1244200	R1A12M152I-1622	16	M22X1.5	37,0	18,5	27,0	27,0	30,0	14,0	27,0
1241127	1244201	R1A12M152I-2027	20	M27X2	42,0	20,5	31,0	32,0	36,0	16,0	32,0
1206061	1244202	R1A12M152I-2533	25	M33X2.0	47,0	23,0	35,0	41,0	46,0	18,0	40,0
1211296	1244203	R1A12M152I-3042	30	M42X2	50,0	23,5	37,0	50,0	50,0	20,0	50,0
1208081	1244204	R1A12M152I-3848	38	M48X2.0	57,0	26,0	42,0	55,0	60,0	22,0	55,0

Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A113152I

Straight connector DIN 24° Female pre-assembled - Metric cylindric Male with elastomer - Light series

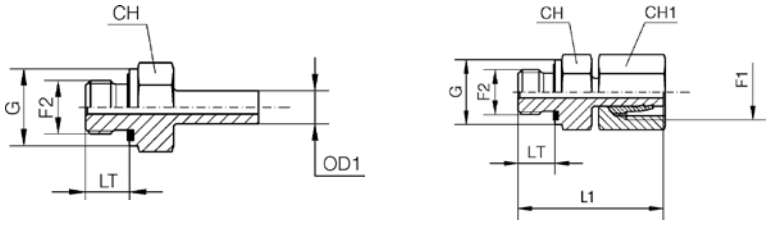


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	F2	LT	CH	CH1	G	L
			mm			mm	mm	mm	mm	mm
1206979	1243698	R1A113152I-0610	6	M12X1.5	M10X1.0	8,0	14,0	14,0	14,0	32,5
1206980	1243699	R1A113152I-0812	8	M14X1.5	M12X1.5	12,0	17,0	17,0	17,0	38,5
1206981	1243700	R1A113152I-1014	10	M16X1.5	M14X1.5	12,0	19,0	19,0	19,0	39,0
1206288	1243701	R1A113152I-1216	12	M18X1.5	M16X1.5	12,0	22,0	22,0	22,0	42,5
1206067	1243702	R1A113152I-1518	15	M22X1.5	M18X1.5	12,0	24,0	27,0	24,0	43,5
1206982	1243703	R1A113152I-1822	18	M26X1.5	M22X1.5	14,0	27,0	32,0	27,0	45,5
1206983	1243704	R1A113152I-2226	22	M30X2	M26X1.5	16,0	32,0	36,0	32,0	48,5
1206984	1243705	R1A113152I-2833	28	M36X2	M33X2.0	18,0	41,0	41,0	40,0	53,5
1206985	1243706	R1A113152I-3542	35	M45X2	M42X2	20,0	50,0	50,0	50,0	62,5
1206986	1243707	R1A113152I-4248	42	M52X2	M48X2.0	22,0	55,0	60,0	55,0	68,5

Part number Complete: add suffix "_A" to Body Only part number

// R1A123152I

Straight connector DIN 24° Female pre-assembled - Metric cylindric Male with elastomer - Heavy series



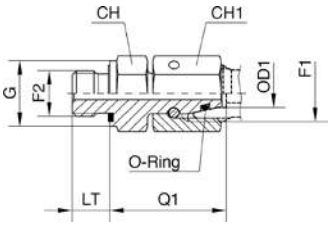
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	F2	LT	CH	CH1	G	L
			mm			mm	mm	mm	mm	mm
1207011	1244037	R1A123152I-0612	6	M14X1.5	M12X1.5	12,0	17,0	17,0	17,0	39,0
1207012	1244038	R1A123152I-0814	8	M16X1.5	M14X1.5	12,0	19,0	19,0	19,0	41,5
1207013	1244039	R1A123152I-1016	10	M18X1.5	M16X1.5	12,0	22,0	22,0	22,0	44,0
1207014	1244040	R1A123152I-1218	12	M20X1.5	M18X1.5	12,0	24,0	24,0	24,0	46,0
1207015	1244041	R1A123152I-1420	14	M22X1.5	M20X1.5	14,0	27,0	27,0	26,0	50,5
1207016	1244042	R1A123152I-1622	16	M24X1.5	M22X1.5	14,0	27,0	30,0	27,0	51,0
1207017	1244043	R1A123152I-2027	20	M30X2	M27X2	16,0	32,0	36,0	32,0	59,0
1207018	1244044	R1A123152I-2533	25	M36X2	M33X2.0	18,0	41,0	46,0	40,0	66,0
1207019	1244045	R1A123152I-3042	30	M42X2	M42X2	20,0	50,0	50,0	50,0	71,0
1207020	1244046	R1A123152I-3848	38	M52X2	M48X2.0	22,0	55,0	60,0	55,0	82,0

Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A152152I

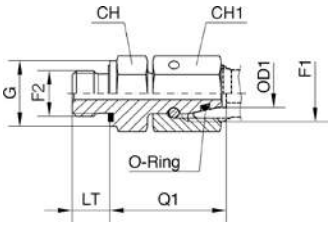
Straight connector DIN 24° Female with O-Ring - Metric cylindric Male with elastomer - Light series



Item Code	Part Number	OD1	F1	F2	Q1	LT	CH	CH1	G
		mm			mm	mm	mm	mm	mm
1211387	R1A152152I-0610	6	M12X1.5	M10X1.0	24,5	8,0	14,0	14,0	14,0
1211388	R1A152152I-0812	8	M14X1.5	M12X1.5	26,5	12,0	17,0	17,0	17,0
1211389	R1A152152I-1014	10	M16X1.5	M14X1.5	27,5	12,0	19,0	19,0	19,0
1211390	R1A152152I-1216	12	M18X1.5	M16X1.5	30,5	12,0	22,0	22,0	22,0
1211391	R1A152152I-1518	15	M22X1.5	M18X1.5	31,5	12,0	24,0	27,0	24,0
1208086	R1A152152I-1822	18	M26X1.5	M22X1.5	31,5	14,0	27,0	32,0	27,0
1211392	R1A152152I-2226	22	M30X2	M26X1.5	32,5	16,0	32,0	36,0	32,0
1211393	R1A152152I-2833	28	M36X2	M33X2.0	35,0	18,0	41,0	41,0	40,0
1211394	R1A152152I-3542	35	M45X2	M42X2	42,5	20,0	50,0	50,0	50,0
1211395	R1A152152I-4248	42	M52X2	M48X2.0	46,5	22,0	55,0	60,0	55,0

// R1A162152I

Straight connector DIN 24° Female with O-Ring - Metric cylindric Male with elastomer - Heavy series

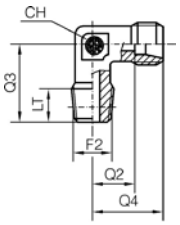


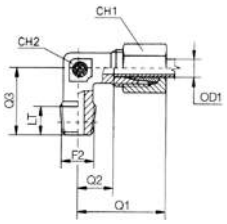
Item Code	Part Number	OD1	F1	F2	Q1	LT	CH	CH1	G
		mm			mm	mm	mm	mm	mm
1211450	R1A162152I-0612	6	M14X1.5	M12X1.5	27,0	12,0	17,0	17,0	17,0
1211451	R1A162152I-0814	8	M16X1.5	M14X1.5	29,5	12,0	19,0	19,0	19,0
1211452	R1A162152I-1016	10	M18X1.5	M16X1.5	32,0	12,0	22,0	22,0	22,0
1208171	R1A162152I-1218	12	M20X1.5	M18X1.5	34,0	12,0	24,0	24,0	24,0
1208172	R1A162152I-1420	14	M22X1.5	M20X1.5	36,5	14,0	27,0	27,0	26,0
1211453	R1A162152I-1622	16	M24X1.5	M22X1.5	37,0	14,0	27,0	30,0	27,0
1211454	R1A162152I-2027	20	M30X2	M27X2	43,0	16,0	32,0	36,0	32,0
1211455	R1A162152I-2533	25	M36X2	M33X2.0	48,0	18,0	41,0	46,0	40,0
1208178	R1A162152I-3042	30	M42X2	M42X2	51,0	20,0	50,0	50,0	50,0
1208181	R1A162152I-3848	38	M52X2	M48X2.0	60,0	22,0	55,0	60,0	55,0

Dimensions shown may be changed without prior notice

// R1A11M962M

90° elbow connector DIN 24° Male - Metric conic Male - Light series



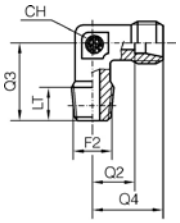


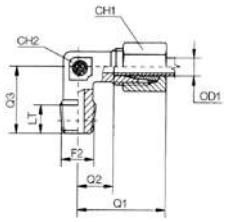
Item Code Body Only	Item Code Complete	Part Number	OD1	F2	Q1	Q2	Q3	Q4	CH	CH1	LT
			mm		mm	mm	mm	mm	mm	mm	mm
1206141	1241928	R1A11M962M-0610	6	M10X1.0	27,0	12,0	20,0	19,0	12,0	14,0	8,0
1206353	1243892	R1A11M962M-0812	8	M12X1.5	29,0	14,0	26,0	21,0	12,0	17,0	12,0
1205818	1243893	R1A11M962M-1014	10	M14X1.5	30,0	15,0	27,0	22,0	14,0	19,0	12,0
1205819	1243894	R1A11M962M-1216	12	M16X1.5	32,0	17,0	28,0	24,0	17,0	22,0	12,0
1206229	1243895	R1A11M962M-1518	15	M18X1.5	36,0	21,0	34,0	28,0	19,0	27,0	14,0
1208106	1243896	R1A11M962M-1822	18	M22X1.5	40,0	23,5	36,0	31,0	24,0	32,0	14,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M962M

90° elbow connector DIN 24° Male - Metric conic Male - Heavy series





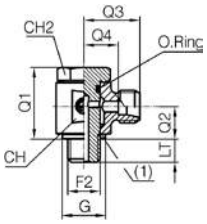
Item Code Body Only	Item Code Complete	Part Number	OD1	F2	Q1	Q2	Q3	Q4	CH	CH1	LT
			mm		mm	mm	mm	mm	mm	mm	mm
1211333	1244255	R1A12M962M-0612	6	M12X1.5	31,0	16,0	26,0	23,0	12,0	17,0	12,0
1211334	1244256	R1A12M962M-0814	8	M14X1.5	32,0	17,0	27,0	24,0	14,0	19,0	12,0
1206142	1244257	R1A12M962M-1016	10	M16X1.5	34,0	17,5	28,0	25,0	17,0	22,0	12,0
1206143	1244258	R1A12M962M-1218	12	M18X1.5	38,0	21,5	31,0	29,0	17,0	24,0	12,0
1211335	1244259	R1A12M962M-1420	14	M20X1.5	40,0	22,0	32,0	30,0	19,0	27,0	14,0
1206720	1244260	R1A12M962M-1622	16	M22X1.5	43,0	24,5	32,0	33,0	24,0	30,0	14,0

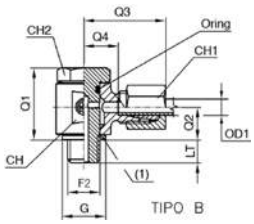
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11ME505

Banjo adjustable - Type A - Metric cylindric DIN 24° - Light series



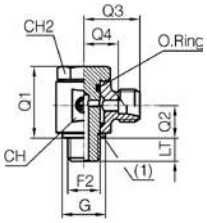


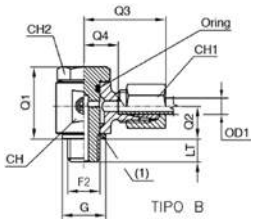
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	CH2	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1205882	1243914	R1A11ME505-0610	6	M10X1.0	27,0	12,5	29,0	13,0	20,0	8,0	19,0	14,0	17,0	15,0
1206274	1243915	R1A11ME505-0812	8	M12X1.5	30,5	15,0	30,5	14,5	21,5	12,0	22,0	17,0	19,0	17,0
1244461	1231370	R1A11ME505-1014	10	M14X1.5	30,5	15,0	32,0	15,5	22,5	12,0	22,0	19,0	19,0	18,0
1206581	1243916	R1A11ME505-1216	12	M16X1.5	38,5	19,0	36,0	19,5	26,5	12,0	30,0	22,0	24,0	22,0
1206577	1243917	R1A11ME505-1518	15	M18X1.5	44,5	21,5	39,0	22,5	29,0	14,0	36,0	27,0	24,0	22,0
1206580	1243918	R1A11ME505-1822	18	M22X1.5	48,0	23,0	40,0	22,0	29,5	14,0	36,0	32,0	27,0	26,0
1206579	1243919	R1A11ME505-2226	22	M26X1.5	56,0	26,0	47,0	28,0	35,5	16,0	41,0	36,0	32,0	32,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12ME505

Banjo adjustable - Type A - Metric cylindric DIN 24° - Heavy series





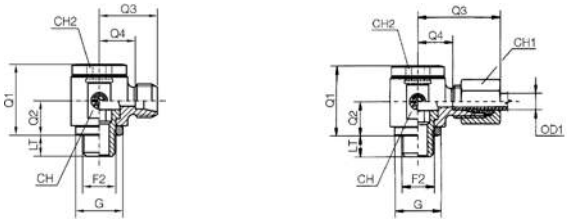
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	CH2	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1207056	1244276	R1A12ME505-0612	6	M12X1.5	30,5	15,0	33,0	16,5	23,5	12,0	22,0	17,0	19,0	17,0
1207057	1244277	R1A12ME505-0814	8	M14X1.5	30,5	15,0	32,5	16,5	23,5	12,0	22,0	19,0	19,0	18,0
1208098	1244278	R1A12ME505-1016	10	M16X1.5	38,5	19,0	38,0	20,0	27,5	12,0	30,0	22,0	24,0	22,0
1206456	1244279	R1A12ME505-1218	12	M18X1.5	37,5	18,0	38,0	20,0	27,5	12,0	30,0	24,0	24,0	22,0
1208099	1244280	R1A12ME505-1420	14	M20X1.5	48,0	23,0	42,5	23,5	31,5	14,0	36,0	27,0	27,0	26,0
1206578	1244281	R1A12ME505-1622	16	M22X1.5	48,0	23,0	43,0	23,0	31,5	14,0	36,0	30,0	27,0	26,0
1211301	1244282	R1A12ME505-2027	20	M27X2	56,0	26,0	51,5	27,0	37,5	16,0	41,0	36,0	32,0	32,0

Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11ME50M

Banjo adjustable - Type B - Metric cylindric DIN 24° - Light series

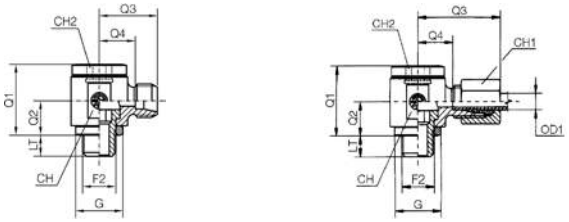


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	CH2	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1211010	1243920	R1A11ME50M-0610	6	M10X1.0	24,0	12,0	27,0	12,5	19,5	8,0	19,0	14,0	6,0	14,0
1206153	1243921	R1A11ME50M-0812	8	M12X1.5	30,0	15,0	29,0	14,5	21,5	12,0	22,0	17,0	6,0	17,0
1206275	1243922	R1A11ME50M-1014	10	M14X1.5	30,0	16,0	30,0	15,5	23,0	12,0	22,0	19,0	8,0	19,0
1206276	1243923	R1A11ME50M-1216	12	M16X1.5	37,0	18,0	33,0	18,0	25,5	12,0	27,0	22,0	10,0	21,0
1206154	1243924	R1A11ME50M-1518	15	M18X1.5	40,0	20,0	36,0	21,0	28,0	12,0	30,0	27,0	12,0	23,0
1207055	1243925	R1A11ME50M-1822	18	M22X1.5	46,0	23,0	38,0	21,5	29,0	14,0	36,0	32,0	14,0	27,0
1211011	1243926	R1A11ME50M-2226	22	M26X1.5	51,0	25,0	42,0	26,0	35,0	16,0	41,0	36,0	17,0	31,0
1211012	1243927	R1A11ME50M-2833	28	M33X2.0	64,0	32,0	48,0	31,5	39,0	18,0	50,0	41,0	22,0	39,0
1211013	1243928	R1A11ME50M-3542	35	M42X2	76,0	37,0	57,0	35,5	46,0	20,0	60,0	50,0	27,0	49,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12ME50M

Banjo adjustable - Type B - Metric cylindric DIN 24° - Heavy series



Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	CH2	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1206895	1244283	R1A12ME50M-0612	6	M12X1.5	30,0	15,0	31,0	16,5	23,5	12,0	22,0	17,0	6,0	17,0
1207058	1244284	R1A12ME50M-0814	8	M14X1.5	30,0	16,0	31,0	16,5	23,5	12,0	22,0	19,0	8,0	19,0
1206155	1244285	R1A12ME50M-1016	10	M16X1.5	37,0	18,0	35,0	18,5	26,0	12,0	27,0	22,0	10,0	21,0
1206156	1244286	R1A12ME50M-1218	12	M18X1.5	41,0	20,0	37,0	20,5	28,0	12,0	30,0	24,0	12,0	23,0
1206844	1244287	R1A12ME50M-1420	14	M20X1.5	42,0	21,0	41,0	23,0	31,0	14,0	32,0	27,0	12,0	25,0
1208221	1244288	R1A12ME50M-1622	16	M22X1.5	46,0	23,0	41,0	22,5	31,0	14,0	36,0	30,0	14,0	27,0
1207465	1244289	R1A12ME50M-2027	20	M27X2	58,0	28,0	49,0	27,5	38,0	16,0	46,0	36,0	17,0	32,0
1211200	1244290	R1A12ME50M-2533	25	M33X2.0	64,0	32,0	55,0	31,0	43,0	18,0	50,0	46,0	22,0	39,0
1208222	1244291	R1A12ME50M-3042	30	M42X2	76,0	37,0	63,0	36,5	50,0	20,0	60,0	50,0	27,0	49,0
1206157	1244292	R1A12ME50M-3848	38	M48X2.0	85,0	42,0	72,0	41,0	58,5	22,0	70,0	60,0	32,0	55,0

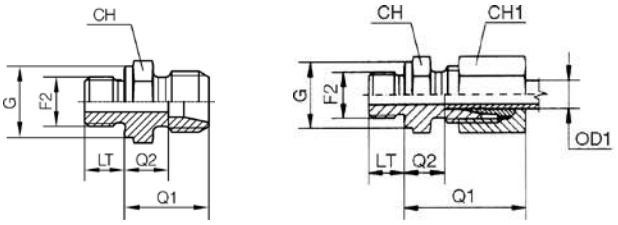
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// BSPP

// R1A11M106M

Straight connector DIN 24° Male - BSPP cylindric flat Male - Light series

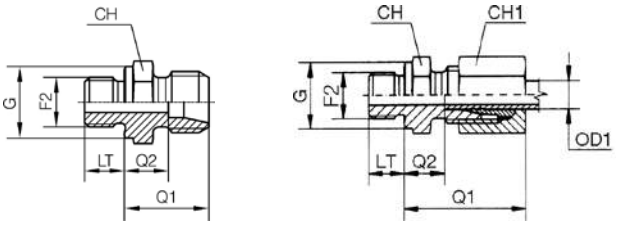


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	CH	CH1	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm
1205740	1243731	R1A11M106M-0602	6	1/8-28	23,0	8,5	15,5	14,0	14,0	8,0	14,0
1204273	1243732	R1A11M106M-0604	6	1/4-19	25,0	10,0	17,0	19,0	14,0	12,0	18,0
1206930	1243733	R1A11M106M-0606	6	3/8-19	26,0	11,5	18,5	22,0	14,0	12,0	22,0
1205528	1242345	R1A11M106M-0804	8	1/4-19	25,0	10,0	17,0	19,0	17,0	12,0	18,0
1204274	1243734	R1A11M106M-0806	8	3/8-19	26,0	11,5	18,5	22,0	17,0	12,0	22,0
1206597	1243735	R1A11M106M-0808	8	1/2-14	27,0	12,0	19,0	27,0	17,0	14,0	26,0
1204262	1243736	R1A11M106M-1004	10	1/4-19	26,0	11,0	18,0	19,0	19,0	12,0	18,0
1204264	1243737	R1A11M106M-1006	10	3/8-19	27,0	12,5	19,0	22,0	19,0	12,0	22,0
1204260	1243738	R1A11M106M-1008	10	1/2-14	28,0	13,0	20,0	27,0	19,0	14,0	26,0
1205549	1243739	R1A11M106M-1204	12	1/4-19	27,0	12,0	19,0	19,0	22,0	12,0	18,0
1204268	1243740	R1A11M106M-1206	12	3/8-19	27,0	12,5	19,5	22,0	22,0	12,0	22,0
1204267	1241073	R1A11M106M-1208	12	1/2-14	28,0	13,0	20,0	27,0	22,0	14,0	26,0
1204271	1243741	R1A11M106M-1506	15	3/8-19	29,0	13,5	20,5	24,0	27,0	12,0	22,0
1204270	1242250	R1A11M106M-1508	15	1/2-14	29,0	14,0	21,0	27,0	27,0	14,0	26,0
1205741	1243742	R1A11M106M-1808	18	1/2-14	31,0	14,5	22,0	27,0	32,0	14,0	26,0
1205742	1243743	R1A11M106M-1812	18	3/4-14	30,0	14,5	22,0	32,0	32,0	16,0	32,0
1205743	1243744	R1A11M106M-2212	22	3/4-14	33,0	16,5	24,0	32,0	36,0	16,0	32,0
1205744	1243745	R1A11M106M-2816	28	1-11	34,0	17,5	25,0	41,0	41,0	18,0	39,0
1205481	1243746	R1A11M106M-3520	35	1 1/4-11	39,0	17,5	28,0	50,0	50,0	20,0	49,0
1206911	1243747	R1A11M106M-4224	42	1 1/2-11	42,0	19,0	30,0	55,0	60,0	22,0	55,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M106M

Straight connector DIN 24° Male - BSPP cylindric flat Male - Heavy series



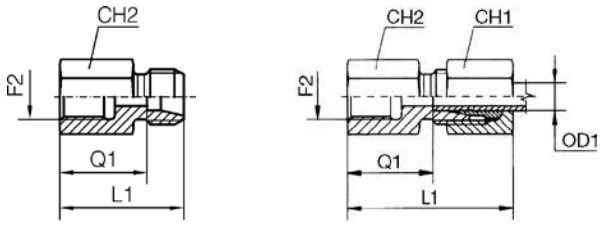
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	CH	CH1	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm
1206096	1244076	R1A12M106M-0604	6	1/4-19	28,0	13,0	20,0	19,0	17,0	12,0	18,0
1205745	1244077	R1A12M106M-0804	8	1/4-19	30,0	15,0	22,0	19,0	19,0	12,0	18,0
1205582	1244078	R1A12M106M-1006	10	3/8-19	31,0	15,0	22,5	22,0	22,0	12,0	22,0
1205746	1244079	R1A12M106M-1206	12	3/8-19	33,0	17,0	24,5	22,0	24,0	12,0	22,0
1206014	1244080	R1A12M106M-1208	12	1/2-14	34,0	17,5	25,0	27,0	24,0	14,0	26,0
1205748	1244081	R1A12M106M-1408	14	1/2-14	37,0	19,0	27,0	27,0	27,0	14,0	26,0
1205750	1244082	R1A12M106M-1608	16	1/2-14	37,0	18,5	27,0	27,0	30,0	14,0	26,0
1205884	1244083	R1A12M106M-1612	16	3/4-14	39,0	20,5	29,0	32,0	30,0	16,0	32,0
1205751	1244084	R1A12M106M-2012	20	3/4-14	42,0	20,5	31,0	32,0	36,0	16,0	32,0
1205752	1244085	R1A12M106M-2516	25	1-11	47,0	23,0	35,0	41,0	46,0	18,0	39,0
1205753	1244086	R1A12M106M-3020	30	1 1/4-11	50,0	23,5	37,0	50,0	50,0	20,0	49,0
1205754	1244087	R1A12M106M-3824	38	1 1/2-11	57,0	26,0	42,0	55,0	60,0	22,0	55,0

Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11M106F

Straight connector DIN 24° Male - BSPP cylindric Female - Light series

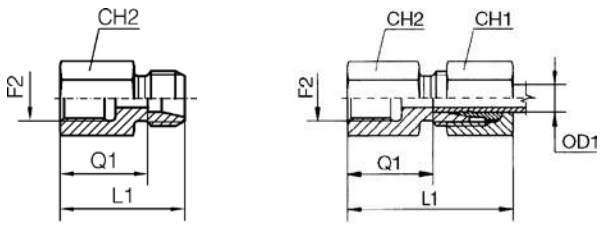


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F2	Q1	CH1	CH2	L	L1
			mm		mm	mm	mm	mm	mm
1206267	1240579	R1A11M106F-0602	6	1/8-28	19,0	14,0	14,0	34,0	26,0
1205799	1241529	R1A11M106F-0804	8	1/4-19	24,0	17,0	19,0	39,0	31,0
1205800	1240804	R1A11M106F-1004	10	1/4-19	25,0	19,0	19,0	40,0	32,0
1205801	1243719	R1A11M106F-1206	12	3/8-19	26,0	22,0	24,0	41,0	33,0
1205802	1242104	R1A11M106F-1508	15	1/2-14	31,0	27,0	27,0	46,0	38,0
1205803	1243720	R1A11M106F-1808	18	1/2-14	30,5	32,0	27,0	47,0	38,0
1205547	1243721	R1A11M106F-2212	22	3/4-14	35,5	36,0	36,0	52,0	43,0
1205804	1243722	R1A11M106F-2816	28	1-11	38,0	41,0	41,0	55,0	45,5
1206998	1243723	R1A11M106F-3520	35	1 1/4-11	41,0	50,0	55,0	63,0	51,5
1208155	1243724	R1A11M106F-4224	42	1 1/2-11	42,5	60,0	60,0	65,0	53,5

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M106F

Straight connector DIN 24° Male - BSPP cylindric Female - Heavy series



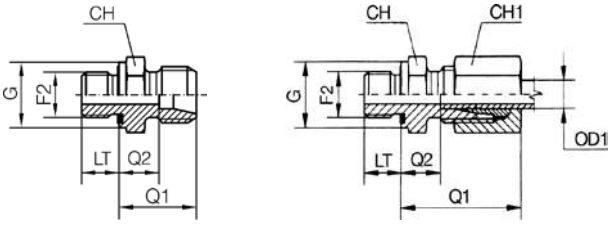
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F2	Q1	CH1	CH2	L	L1
			mm		mm	mm	mm	mm	mm
1206364	1244057	R1A12M106F-0604	6	1/4-19	26,0	17,0	19,0	41,0	33,0
1205805	1244058	R1A12M106F-0804	8	1/4-19	26,0	19,0	19,0	41,0	33,0
1206365	1244059	R1A12M106F-1206	12	3/8-19	26,5	24,0	24,0	43,0	34,0
1205806	1244060	R1A12M106F-1408	14	1/2-14	32,0	27,0	30,0	50,0	40,0
1205807	1244061	R1A12M106F-1608	16	1/2-14	31,5	30,0	30,0	50,0	40,0
1206268	1244062	R1A12M106F-2012	20	3/4-14	34,5	36,0	36,0	56,0	45,0
1205808	1244063	R1A12M106F-2516	25	1-11	37,5	46,0	41,0	62,0	49,5
1207021	1244064	R1A12M106F-3020	30	1 1/4-11	42,0	50,0	55,0	69,0	55,5
1207143	1244065	R1A12M106F-3824	38	1 1/2-11	43,5	60,0	60,0	74,0	59,5

Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11M106I

Straight connector DIN 24° Male - BSPP cylindric Male with elastomer - Light series

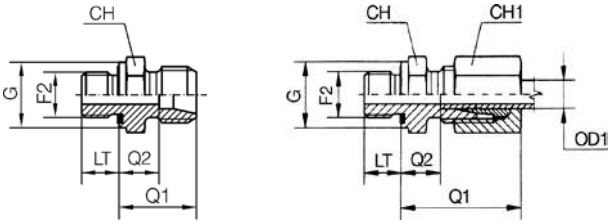


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	CH	CH1	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm
1206131	1242311	R1A11M106I-0602	6	1/8-28	23,0	8,5	15,5	14,0	14,0	8,0	14,0
1205490	1241082	R1A11M106I-0804	8	1/4-19	25,0	10,0	17,0	19,0	17,0	12,0	19,0
1205760	1243725	R1A11M106I-1004	10	1/4-19	26,0	11,0	18,0	19,0	19,0	12,0	19,0
1205488	1241083	R1A11M106I-1206	12	3/8-19	27,0	12,5	19,5	22,0	22,0	12,0	22,0
1205489	1241085	R1A11M106I-1508	15	1/2-14	29,0	14,0	21,0	27,0	27,0	14,0	27,0
1206040	1243726	R1A11M106I-1808	18	1/2-14	31,0	14,5	22,0	27,0	32,0	14,0	27,0
1205761	1243727	R1A11M106I-2212	22	3/4-14	33,0	16,5	24,0	32,0	36,0	16,0	32,0
1206056	1243728	R1A11M106I-2816	28	1-11	34,0	17,5	25,0	41,0	41,0	18,0	40,0
1206283	1243729	R1A11M106I-3520	35	1 1/4-11	39,0	17,5	28,0	50,0	50,0	20,0	50,0
1206039	1243730	R1A11M106I-4224	42	1 1/2-11	42,0	19,0	30,0	55,0	60,0	22,0	55,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M106I

Straight connector DIN 24° Male - BSPP cylindric Male with elastomer - Heavy series



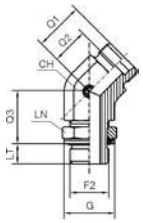
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	CH	CH1	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm
1206133	1244066	R1A12M106I-0604	6	1/4-19	28,0	13,0	20,0	19,0	17,0	12,0	19,0
1206049	1244067	R1A12M106I-0804	8	1/4-19	30,0	15,0	22,0	19,0	19,0	12,0	19,0
1206134	1244068	R1A12M106I-1006	10	3/8-19	31,0	15,0	22,5	22,0	22,0	12,0	22,0
1205901	1244069	R1A12M106I-1206	12	3/8-19	33,0	17,0	24,5	22,0	24,0	12,0	22,0
1205762	1244070	R1A12M106I-1408	14	1/2-14	37,0	19,0	27,0	27,0	27,0	14,0	27,0
1205763	1244071	R1A12M106I-1608	16	1/2-14	37,0	18,5	27,0	27,0	30,0	14,0	27,0
1205764	1244072	R1A12M106I-2012	20	3/4-14	42,0	20,5	31,0	32,0	36,0	16,0	32,0
1206047	1244073	R1A12M106I-2516	25	1-11	47,0	23,0	35,0	41,0	46,0	18,0	40,0
1206416	1244074	R1A12M106I-3020	30	1 1/4-11	50,0	23,5	37,0	50,0	50,0	20,0	50,0
1207842	1244075	R1A12M106I-3820	38	1 1/4-11	57,0	26,0	42,0	55,0	60,0	20,0	50,0

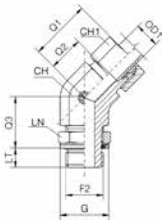
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11M406N

45° adjustable elbow connector DIN 24° Male - BSPP cylindric Male with O-Ring and retaining ring - Light series



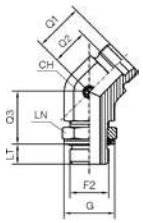


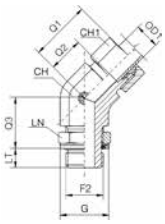
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1237030	1244929	R1A11M406N-0602	6	1/8-28	24,5	9,5	21,7	16,5	14,0	14,0	14,0	6,3	16,0
1237031	1244930	R1A11M406N-0804	8	1/4-19	27,0	12,0	19,5	19,0	14,0	17,0	19,0	9,5	20,5
1237032	1244931	R1A11M406N-1004	10	1/4-19	27,0	12,0	24,5	19,0	19,0	19,0	19,0	9,5	20,5
1237033	1244932	R1A11M406N-1206	12	3/8-19	29,0	14,0	27,5	21,0	19,0	22,0	22,0	9,5	24,0
1237034	1244933	R1A11M406N-1508	15	1/2-14	32,0	17,0	26,0	24,0	22,0	27,0	27,0	13,0	29,0
1237035	1244934	R1A11M406N-1808	18	1/2-14	33,0	17,0	32,0	24,5	27,0	32,0	27,0	13,0	29,0
1237036	1244935	R1A11M406N-2212	22	3/4-14	35,5	19,5	37,5	27,0	33,0	36,0	36,0	13,0	35,0
1231360	1244936	R1A11M406N-2816	28	1-11	39,0	23,0	36,0	30,5	41,0	41,0	41,0	16,0	44,5
1237038	1244937	R1A11M406N-3520	35	1 1/4-11	48,0	27,0	38,0	37,5	48,0	50,0	50,0	16,0	53,0
1237039	1244938	R1A11M406N-4224	42	1 1/2-11	49,0	26,0	38,0	37,0	48,0	60,0	55,0	16,0	58,5

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M406N

45° adjustable elbow connector DIN 24° Male - BSPP cylindric Male with O-Ring and retaining ring - Heavy series





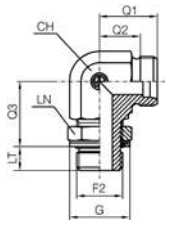
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1237054	1244999	R1A12M406N-0604	6	1/4-19	26,0	11,0	18,5	18,5	14,0	17,0	19,0	9,5	20,5
1237055	1245000	R1A12M406N-0804	8	1/4-19	28,0	13,0	22,5	20,5	19,0	19,0	19,0	9,5	20,5
1237056	1245001	R1A12M406N-1006	10	3/8-19	29,0	13,0	24,5	20,5	19,0	22,0	22,0	9,5	24,0
1237057	1245002	R1A12M406N-1206	12	3/8-19	33,0	17,0	24,5	24,5	22,0	24,0	22,0	9,5	24,0
1237058	1245003	R1A12M406N-1608	16	1/2-14	34,0	16,0	31,0	24,5	27,0	30,0	27,0	13,0	29,0
1237059	1245004	R1A12M406N-2012	20	3/4-14	40,0	19,0	33,0	29,5	33,0	36,0	36,0	13,0	35,0
1237060	1245005	R1A12M406N-2516	25	1-11	46,0	22,0	35,0	34,0	41,0	46,0	41,0	16,0	44,5
1237061	1245006	R1A12M406N-3020	30	1 1/4-11	50,0	24,0	37,0	37,5	48,0	50,0	50,0	16,0	53,0
1237062	1245007	R1A12M406N-3824	38	1 1/2-11	55,0	24,0	37,0	40,0	48,0	60,0	55,0	16,0	58,5

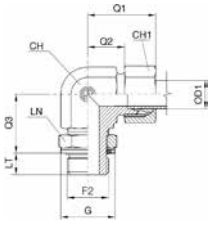
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11M906N

90° adjustable elbow connector DIN 24° Male - BSPP cylindric Male with O-Ring and retaining ring - Light series



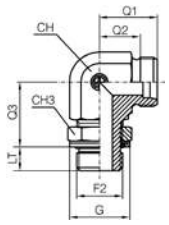


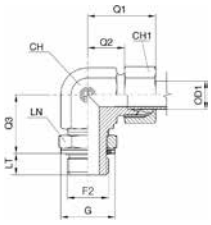
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1211135	1243847	R1A11M906N-0602	6	1/8-28	29,0	14,0	20,2	21,0	14,0	14,0	14,0	6,3	16,0
1208110	1243848	R1A11M906N-0804	8	1/4-19	31,0	16,0	22,5	23,0	14,0	17,0	19,0	9,5	20,5
1208111	1243849	R1A11M906N-1004	10	1/4-19	32,0	17,0	24,5	24,0	19,0	19,0	19,0	9,5	20,5
1239726	1243850	R1A11M906N-1206	12	3/8-19	34,0	19,0	27,5	26,0	19,0	22,0	22,0	9,5	24,0
1208113	1243851	R1A11M906N-1508	15	1/2-14	36,0	21,0	30,0	28,0	22,0	27,0	27,0	13,0	29,0
1210735	1243852	R1A11M906N-1808	18	1/2-14	40,0	24,0	36,5	31,5	27,0	32,0	27,0	13,0	29,0
1206896	1243853	R1A11M906N-2212	22	3/4-14	44,0	28,0	37,5	35,5	33,0	36,0	36,0	13,0	35,0
1208114	1243854	R1A11M906N-2816	28	1-11	47,0	31,0	41,0	38,5	41,0	41,0	41,0	16,0	44,5
1211136	1243855	R1A11M906N-3520	35	1 1/4-11	59,0	38,0	49,0	48,5	48,0	50,0	50,0	16,0	53,0
1208116	1243856	R1A11M906N-4224	42	1 1/2-11	61,0	38,0	51,0	49,0	48,0	60,0	55,0	16,0	58,5

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M906N

90° adjustable elbow connector DIN 24° Male - BSPP cylindric Male with O-Ring and retaining ring - Heavy series





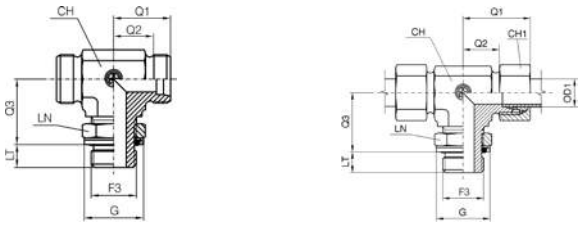
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1211298	1244205	R1A12M906N-0604	6	1/4-19	30,5	15,5	22,5	22,5	14,0	17,0	19,0	9,5	20,5
1208092	1244206	R1A12M906N-0804	8	1/4-19	33,0	18,0	26,5	25,0	19,0	19,0	19,0	9,5	20,5
1208093	1244207	R1A12M906N-1006	10	3/8-19	34,0	18,0	28,5	25,5	19,0	22,0	22,0	9,5	24,0
1208094	1244208	R1A12M906N-1206	12	3/8-19	38,0	22,0	28,5	29,5	22,0	24,0	22,0	9,5	24,0
1208095	1244209	R1A12M906N-1608	16	1/2-14	43,0	25,0	36,0	33,5	27,0	30,0	27,0	13,0	29,0
1208096	1244210	R1A12M906N-2012	20	3/4-14	49,0	28,0	38,0	38,5	33,0	36,0	36,0	13,0	35,0
1208097	1244211	R1A12M906N-2516	25	1-11	54,5	30,5	41,0	42,5	41,0	46,0	41,0	16,0	44,5
1211299	1244212	R1A12M906N-3020	30	1 1/4-11	62,0	36,0	48,0	49,5	48,0	50,0	50,0	16,0	53,0
1211300	1244213	R1A12M906N-3824	38	1 1/2-11	65,0	34,0	53,0	50,0	48,0	60,0	55,0	16,0	58,5

Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11MT06N

Branch Tee adjustable elbow connector DIN 24° Male - BSPP Male with O-Ring and retaining ring - Light series

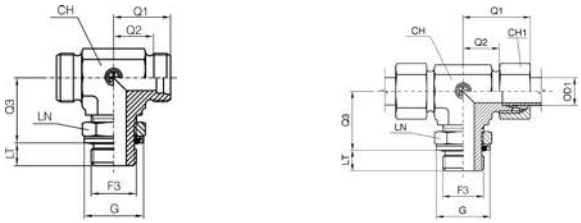


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1211050	1243964	R1A11MT06N-0602	6	M12X1.5	29,0	14,0	20,2	21,0	14,0	14,0	14,0	6,3	16,0
1211051	1243965	R1A11MT06N-0804	8	M14X1.5	31,0	16,0	22,5	23,0	14,0	17,0	19,0	9,5	20,5
1211052	1243966	R1A11MT06N-1004	10	M16X1.5	32,0	17,0	24,5	24,0	19,0	19,0	19,0	9,5	20,5
1211053	1243967	R1A11MT06N-1206	12	M18X1.5	34,0	19,0	27,5	26,0	19,0	22,0	22,0	9,5	24,0
1237042	1243968	R1A11MT06N-1508	15	M22X1.5	36,0	21,0	30,0	28,0	22,0	27,0	27,0	13,0	29,0
1211055	1243969	R1A11MT06N-1808	18	M26X1.5	40,0	24,0	36,5	31,5	27,0	32,0	27,0	13,0	29,0
1211056	1243970	R1A11MT06N-2212	22	M30X2	44,0	28,0	37,5	35,5	33,0	36,0	36,0	13,0	35,0
1231369	1243971	R1A11MT06N-2816	28	M36X2	47,0	31,0	41,0	38,5	41,0	41,0	41,0	16,0	44,5
1208182	1243972	R1A11MT06N-3520	35	M45X2	59,0	38,0	49,0	48,5	48,0	50,0	50,0	16,0	53,0
1211058	1243973	R1A11MT06N-4224	42	M52X2	61,0	38,0	51,0	49,0	48,0	60,0	55,0	16,0	58,5

Part number Complete: add suffix "_A" to Body Only part number

// R1A12MT06N

Branch Tee adjustable elbow connector DIN 24° Male - BSPP Male with O-Ring and retaining ring - Heavy series



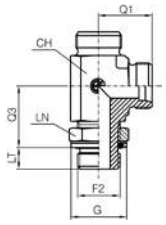
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1211236	1244331	R1A12MT06N-0604	6	M14X1.5	30,5	15,5	22,5	22,5	14,0	17,0	19,0	9,5	20,5
1231381	1244332	R1A12MT06N-0804	8	M16X1.5	33,0	18,0	26,5	25,0	19,0	19,0	19,0	9,5	20,5
1211238	1244333	R1A12MT06N-1006	10	M18X1.5	34,0	18,0	28,5	25,5	19,0	22,0	22,0	9,5	24,0
1211239	1244334	R1A12MT06N-1206	12	M20X1.5	38,0	22,0	28,5	29,5	22,0	24,0	22,0	9,5	24,0
1211240	1244335	R1A12MT06N-1608	16	M24X1.5	43,0	25,0	36,0	33,5	27,0	30,0	27,0	13,0	29,0
1211241	1244336	R1A12MT06N-2012	20	M30X2	49,0	28,0	38,0	38,5	33,0	36,0	36,0	13,0	35,0
1211242	1244337	R1A12MT06N-2516	25	M36X2	54,5	30,5	41,0	42,5	41,0	46,0	41,0	16,0	44,5
1211243	1244338	R1A12MT06N-3020	30	M42X2	62,0	36,0	48,0	49,5	48,0	50,0	50,0	16,0	53,0
1211244	1244339	R1A12MT06N-3824	38	M52X2	65,0	34,0	53,0	50,0	48,0	60,0	55,0	16,0	58,5

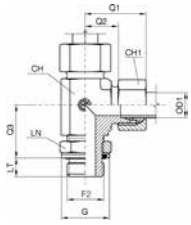
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11ML06N

Run Tee adjustable elbow connector DIN 24° Male - BSPP Male with O-Ring and retaining ring - Light series



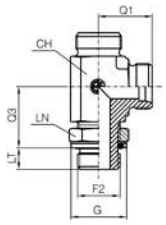


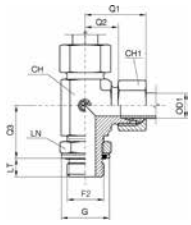
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1211019	1243929	R1A11ML06N-0602	6	1/8-28	29,0	14,0	20,2	21,0	14,0	14,0	14,0	6,3	16,0
1210734	1243930	R1A11ML06N-0804	8	1/4-19	31,0	16,0	22,5	23,0	14,0	17,0	19,0	9,5	20,5
1211020	1243931	R1A11ML06N-1004	10	1/4-19	32,0	17,0	24,5	24,0	19,0	19,0	19,0	9,5	20,5
1211021	1243932	R1A11ML06N-1206	12	3/8-19	34,0	19,0	27,5	26,0	19,0	22,0	22,0	9,5	24,0
1211022	1243933	R1A11ML06N-1508	15	1/2-14	36,0	21,0	30,0	28,0	22,0	27,0	27,0	13,0	29,0
1211023	1243934	R1A11ML06N-1808	18	1/2-14	40,0	24,0	36,5	31,5	27,0	32,0	27,0	13,0	29,0
1231368	1243935	R1A11ML06N-2212	22	3/4-14	44,0	28,0	37,5	35,5	33,0	36,0	36,0	13,0	35,0
1211025	1243936	R1A11ML06N-2816	28	1-11	47,0	31,0	41,0	38,5	41,0	41,0	41,0	16,0	44,5
1211026	1243937	R1A11ML06N-3520	35	1 1/4-11	59,0	38,0	49,0	48,5	48,0	50,0	50,0	16,0	53,0
1211027	1243938	R1A11ML06N-4224	42	1 1/2-11	61,0	38,0	51,0	49,0	48,0	60,0	55,0	16,0	58,5

Part number Complete: add suffix "_A" to Body Only part number

// R1A12ML06N

Run Tee adjustable elbow connector DIN 24° Male - BSPP Male with O-Ring and retaining ring - Heavy series





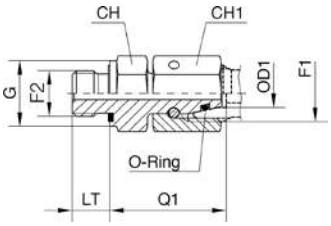
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LN	LT	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm
1211207	1244293	R1A12ML06N-0604	6	1/4-19	30,5	15,5	22,5	22,5	14,0	17,0	19,0	9,5	20,5
1231380	1244294	R1A12ML06N-0804	8	1-11	33,0	18,0	26,5	25,0	19,0	19,0	19,0	9,5	20,5
1211209	1244295	R1A12ML06N-1006	10	3/8-19	34,0	18,0	28,5	25,5	19,0	22,0	22,0	9,5	24,0
1211210	1244296	R1A12ML06N-1206	12	3/8-19	38,0	22,0	28,5	29,5	22,0	24,0	22,0	9,5	24,0
1211211	1244297	R1A12ML06N-1608	16	1/2-14	43,0	25,0	36,0	33,5	27,0	30,0	27,0	13,0	29,0
1211212	1244298	R1A12ML06N-2012	20	3/4-14	49,0	28,0	38,0	38,5	33,0	36,0	36,0	13,0	35,0
1211213	1244299	R1A12ML06N-2516	25	1-11	54,5	30,5	41,0	42,5	41,0	46,0	41,0	16,0	44,5
1211214	1244300	R1A12ML06N-3020	30	1 1/4-11	62,0	36,0	48,0	49,5	48,0	50,0	50,0	16,0	53,0
1211215	1244301	R1A12ML06N-3824	38	1 1/2-11	65,0	34,0	53,0	50,0	48,0	60,0	55,0	16,0	58,5

Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A152106I

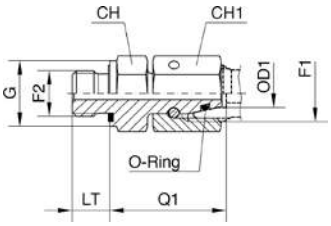
Straight connector DIN 24° Female with O-Ring - BSPP cylindric Male with elastomer - Light series



Item Code	Part Number	OD1	F1	F2	Q1	LT	CH	CH1	G
		mm			mm	mm	mm	mm	mm
1211383	R1A152106I-0602	6	M12X1.5	1/8-28	24,5	8,0	14,0	14,0	14,0
1206931	R1A152106I-0804	8	M14X1.5	1/4-19	29,5	12,0	19,0	17,0	19,0
1206814	R1A152106I-1004	10	M16X1.5	1/4-19	27,5	12,0	19,0	19,0	19,0
1206558	R1A152106I-1206	12	M18X1.5	3/8-19	34,0	12,0	22,0	22,0	22,0
1208084	R1A152106I-1508	15	M22X1.5	1/2-14	32,0	14,0	27,0	27,0	27,0
1208044	R1A152106I-1808	18	M26X1.5	1/2-14	31,5	14,0	27,0	32,0	27,0
1208085	R1A152106I-2212	22	M30X2	3/4-14	32,5	16,0	32,0	36,0	32,0
1211384	R1A152106I-2816	28	M36X2	1-11	35,0	18,0	41,0	41,0	40,0
1211385	R1A152106I-3520	35	M45X2	1 1/4-11	42,5	20,0	50,0	50,0	50,0
1211386	R1A152106I-4224	42	M52X2	1 1/2-11	46,5	22,0	55,0	60,0	55,0

// R1A162106I

Straight connector DIN 24° Female with O-Ring - BSPP cylindric Male with elastomer - Heavy series

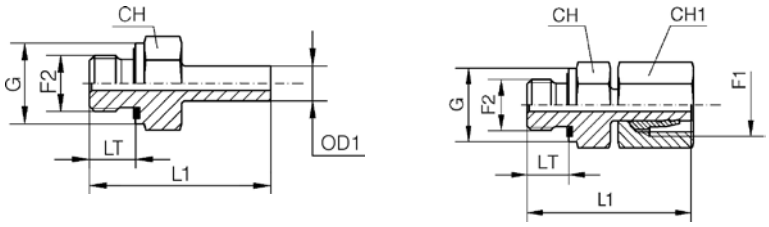


Item Code	Part Number	OD1	F1	F2	Q1	LT	CH	CH1	G
		mm			mm	mm	mm	mm	mm
1211448	R1A162106I-0604	6	M14X1.5	1/4-19	27,0	12,0	19,0	17,0	19,0
1206834	R1A162106I-0804	8	M16X1.5	1/4-19	29,5	12,0	19,0	19,0	19,0
1208168	R1A162106I-1006	10	M18X1.5	3/8-19	32,0	12,0	22,0	22,0	22,0
1208169	R1A162106I-1206	12	M20X1.5	3/8-19	34,0	12,0	22,0	24,0	22,0
1208170	R1A162106I-1408	14	M22X1.5	1/2-14	36,5	14,0	27,0	27,0	27,0
1206561	R1A162106I-1608	16	M24X1.5	1/2-14	37,0	14,0	27,0	30,0	27,0
1207555	R1A162106I-2012	20	M30X2	3/4-14	43,0	16,0	32,0	36,0	32,0
1207131	R1A162106I-2516	25	M36X2	1-11	48,0	18,0	41,0	46,0	40,0
1207544	R1A162106I-3020	30	M42X2	1 1/4-11	51,0	20,0	50,0	50,0	50,0
1211449	R1A162106I-3824	38	M52X2	1 1/2-11	60,0	22,0	55,0	60,0	55,0

Dimensions shown may be changed without prior notice

// R1A113106I

Straight connector DIN 24° Female pre-assembled - BSPP cylindric Male with elastomer - Light series

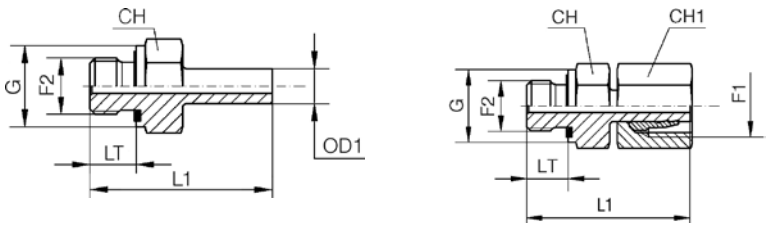


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	F2	LT	CH	CH1	G	L
			mm			mm	mm	mm	mm	mm
1206303	1243688	R1A113106I-0602	6	M12X1.5	1/8-28	8,0	14,0	14,0	14,0	32,5
1243689	1205583	R1A113106I-0804	8	M14X1.5	1/4-19	12,0	19,0	17,0	19,0	41,5
1205573	1243690	R1A113106I-1004	10	M16X1.5	1/4-19	12,0	19,0	19,0	19,0	39,5
1205553	1243691	R1A113106I-1206	12	M18X1.5	3/8-19	12,0	22,0	22,0	22,0	46,0
1205554	1243692	R1A113106I-1508	15	M22X1.5	1/2-14	14,0	27,0	27,0	27,0	46,0
1205766	1243693	R1A113106I-1808	18	M26X1.5	1/2-14	14,0	27,0	32,0	27,0	45,5
1205555	1243694	R1A113106I-2212	22	M30X2	3/4-14	16,0	32,0	36,0	32,0	48,5
1206073	1243695	R1A113106I-2816	28	M36X2	1-11	18,0	41,0	41,0	40,0	53,0
1206000	1243696	R1A113106I-3520	35	M45X2	1 1/4-11	20,0	50,0	50,0	50,0	62,5
1206492	1243697	R1A113106I-4224	42	M52X2	1 1/2-11	22,0	55,0	60,0	55,0	68,5

Part number Complete: add suffix "_A" to Body Only part number

// R1A123106I

Straight connector DIN 24° Female pre-assembled - BSPP cylindric Male with elastomer - Heavy series



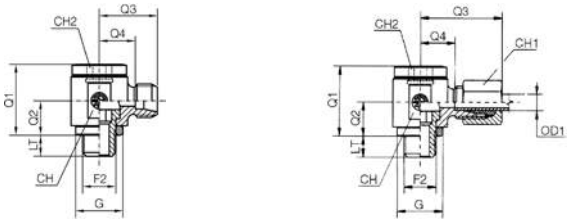
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	F2	LT	CH	CH1	G	L
			mm			mm	mm	mm	mm	mm
1206485	1244027	R1A123106I-0604	6	M14X1.5	1/4-19	12,0	19,0	17,0	19,0	39,0
1206035	1244028	R1A123106I-0804	8	M16X1.5	1/4-19	12,0	19,0	19,0	19,0	41,5
1206487	1244029	R1A123106I-1006	10	M18X1.5	3/8-19	12,0	22,0	22,0	22,0	44,5
1206034	1244030	R1A123106I-1206	12	M20X1.5	3/8-19	12,0	22,0	24,0	22,0	46,0
1206033	1244031	R1A123106I-1408	14	M22X1.5	1/2-14	14,0	27,0	27,0	27,0	51,0
1206032	1244032	R1A123106I-1608	16	M24X1.5	1/2-14	14,0	27,0	30,0	27,0	50,5
1206031	1244033	R1A123106I-2012	20	M30X2	3/4-14	16,0	32,0	36,0	32,0	59,0
1206030	1244034	R1A123106I-2516	25	M36X2	1-11	18,0	41,0	46,0	40,0	66,0
1206490	1244035	R1A123106I-3020	30	M42X2	1 1/4-11	20,0	50,0	50,0	50,0	71,0
1206491	1244036	R1A123106I-3824	38	M52X2	1 1/2-11	22,0	55,0	60,0	55,0	82,0

Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11ME06M

Banjo elbow - Type B - BSPP Male
DIN 24° - Light series

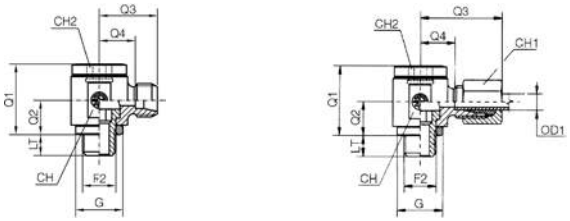


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	CH2	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1207054	1243904	R1A11ME06M-0602	6	1/8-28	24,0	12,0	27,0	12,5	19,5	8,0	19,0	14,0	6,0	14,0
1206158	1243905	R1A11ME06M-0804	8	1/4-19	30,0	16,0	29,0	14,5	21,5	12,0	22,0	17,0	8,0	18,0
1243686	1243906	R1A11ME06M-1004	8	1/4-19	30,0	16,0	30,0	15,5	23,0	12,0	22,0	19,0	8,0	18,0
1206160	1243907	R1A11ME06M-1206	12	3/8-19	37,0	18,0	33,0	18,0	25,5	12,0	27,0	22,0	10,0	22,0
1206277	1243908	R1A11ME06M-1508	15	1/2-14	42,0	21,0	37,0	22,0	29,0	14,0	32,0	27,0	12,0	26,0
1211007	1243909	R1A11ME06M-1808	18	1/2-14	46,0	23,0	38,0	21,5	29,0	14,0	36,0	32,0	12,0	26,0
1211008	1243910	R1A11ME06M-2212	22	3/4-14	58,0	28,0	45,0	28,5	36,0	16,0	46,0	36,0	17,0	32,0
1208107	1243911	R1A11ME06M-2816	28	1-11	64,0	32,0	48,0	31,5	39,0	18,0	50,0	41,0	22,0	39,0
1206161	1243912	R1A11ME06M-3520	35	1 1/4-11	76,0	37,0	57,0	35,5	46,0	20,0	60,0	50,0	27,0	49,0
1211009	1243913	R1A11ME06M-4224	42	1 1/2-11	85,0	42,0	63,0	40,0	52,5	22,0	70,0	60,0	32,0	55,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12ME06M

Banjo elbow - Type B - BSPP Male
DIN 24° - Heavy series



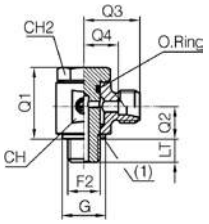
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	CH2	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1206114	1244268	R1A12ME06M-0604	6	1/4-19	30,0	16,0	31,0	16,5	23,5	12,0	22,0	17,0	8,0	18,0
1206115	1244269	R1A12ME06M-0804	8	1/4-19	30,0	16,0	31,0	16,5	23,5	12,0	22,0	19,0	8,0	18,0
1206116	1244270	R1A12ME06M-1006	10	3/8-19	37,0	18,0	35,0	18,5	26,0	12,0	27,0	22,0	10,0	22,0
1206117	1244271	R1A12ME06M-1206	12	3/8-19	37,0	18,0	35,0	18,5	26,0	12,0	27,0	24,0	10,0	22,0
1207059	1244267	R1A12ME06M-1408	14	1/2-14	42,0	21,0	41,0	23,0	31,0	14,0	32,0	27,0	12,0	26,0
1211197	1244272	R1A12ME06M-2012	20	3/4-14	58,0	28,0	49,0	27,5	38,0	16,0	46,0	36,0	17,0	32,0
1211198	1244273	R1A12ME06M-2516	25	1-11	64,0	32,0	55,0	31,0	43,0	18,0	50,0	46,0	22,0	39,0
1211199	1244274	R1A12ME06M-3020	30	1 1/4-11	76,0	37,0	63,0	36,5	50,0	20,0	60,0	50,0	27,0	49,0
1208220	1244275	R1A12ME06M-3824	38	1 1/2-11	85,0	42,0	72,0	41,0	58,5	22,0	70,0	60,0	32,0	55,0

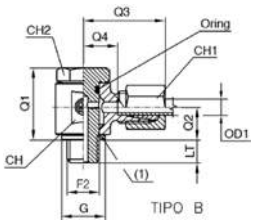
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11ME035

Banjo elbow - Type A - BSPP Male
DIN 24° - Light series



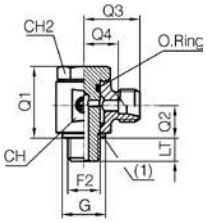


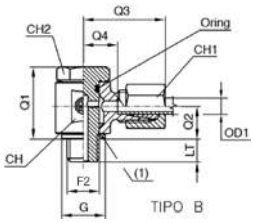
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	CH2	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1206576	1243897	R1A11ME035-0602	6	1/8-28	27,0	12,5	29,0	13,0	20,0	8,0	19,0	14,0	17,0	15,0
1206148	1243898	R1A11ME035-0804	8	1/4-19	30,5	15,0	30,5	14,5	21,5	12,0	22,0	17,0	19,0	18,0
1206149	1243899	R1A11ME035-1004	10	1/4-19	30,5	15,0	32,0	15,5	22,5	12,0	22,0	19,0	19,0	18,0
1206150	1243900	R1A11ME035-1206	12	3/8-19	38,5	19,0	36,0	19,5	26,5	12,0	30,0	22,0	24,0	22,0
1206530	1243901	R1A11ME035-1508	15	1/2-14	48,0	23,0	39,0	22,5	29,5	14,0	36,0	27,0	27,0	26,0
1206531	1243902	R1A11ME035-1808	18	1/2-14	48,0	23,0	40,0	22,0	29,5	14,0	36,0	32,0	27,0	26,0
1207006	1243903	R1A11ME035-2212	22	1/8-28	56,0	26,0	47,0	28,0	35,5	16,0	41,0	36,0	32,0	32,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12ME035

Banjo elbow - Type A - BSPP Male
DIN 24° - Heavy series





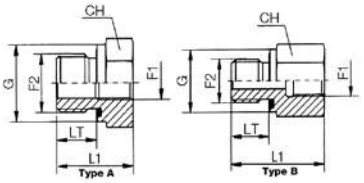
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	Q5	LT	CH	CH1	CH2	G
			mm		mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
1206098	1244261	R1A12ME035-0604	6	1/4-19	30,5	15,0	33,0	16,5	23,5	12,0	22,0	17,0	19,0	18,0
1207025	1244262	R1A12ME035-0804	8	1/4-19	30,5	15,0	32,5	16,5	23,5	12,0	22,0	19,0	19,0	18,0
1206532	1241550	R1A12ME035-1006	10	3/8-19	38,5	19,0	38,0	20,0	27,5	12,0	30,0	22,0	24,0	22,0
1206151	1244263	R1A12ME035-1206	12	3/8-19	38,5	19,0	38,0	20,0	27,5	12,0	30,0	24,0	24,0	22,0
1206582	1244264	R1A12ME035-1408	14	1/2-14	48,0	23,0	42,5	23,5	31,5	14,0	36,0	27,0	27,0	26,0
1206533	1244265	R1A12ME035-1608	16	1/2-14	48,0	23,0	43,0	23,0	31,5	14,0	36,0	30,0	27,0	26,0
1206583	1244266	R1A12ME035-2012	20	3/4-14	56,0	26,0	51,5	27,0	37,5	16,0	41,0	36,0	32,0	32,0

Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A06F106I

Straight connector BSPP Female - BSPP Male with elastomer



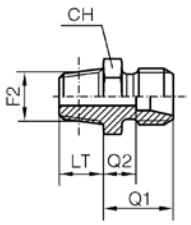
Item Code	Part Number	F2	CH	L	LT	G	Type
			mm	mm	mm	mm	
1206431	R1A06F106I-0204	1/4-19	19,0	31,0	8,0	14,0	B
1206511	R1A06F106I-0206	3/8-19	24,0	32,0	8,0	14,0	B
1206510	R1A06F106I-0402	1/8-28	19,0	29,0	12,0	19,0	B
1206432	R1A06F106I-0406	3/8-19	24,0	36,0	12,0	19,0	B
1206016	R1A06F106I-0408	1/2-14	30,0	40,0	12,0	19,0	B
1206512	R1A06F106I-0412	3/4-14	36,0	43,0	12,0	19,0	B
1206509	R1A06F106I-0602	1/8-28	22,0	22,5	12,0	22,0	A
1206508	R1A06F106I-0604	1/4-19	22,0	36,0	12,0	22,0	B
1206513	R1A06F106I-0608	1/2-14	30,0	41,0	12,0	22,0	B
1206514	R1A06F106I-0612	3/4-14	36,0	44,0	12,0	22,0	B
1207863	R1A06F106I-0802	1/8-28	27,0	24,0	14,0	27,0	A
1206507	R1A06F106I-0804	1/4-19	27,0	24,0	14,0	27,0	A
1206506	R1A06F106I-0806	3/8-19	27,0	37,0	14,0	27,0	B
1206515	R1A06F106I-0812	3/4-14	36,0	46,0	14,0	27,0	B
1206420	R1A06F106I-0816	1-11	41,0	49,0	14,0	27,0	B
1206516	R1A06F106I-0820	1 1/4-11	55,0	53,0	14,0	27,0	B
1206505	R1A06F106I-1204	1/4-19	32,0	26,0	16,0	32,0	A
1206504	R1A06F106I-1206	3/8-19	32,0	26,0	16,0	32,0	A
1206419	R1A06F106I-1208	1/2-14	32,0	43,0	16,0	32,0	B
1206418	R1A06F106I-1216	1-11	41,0	51,0	16,0	32,0	B
1206422	R1A06F106I-1220	1 1/4-11	55,0	55,0	16,0	32,0	B
1206421	R1A06F106I-1224	1 1/2-11	60,0	57,0	16,0	32,0	B
1206503	R1A06F106I-1604	1/4-19	41,0	29,0	18,0	40,0	A
1206502	R1A06F106I-1606	3/8-19	41,0	29,0	18,0	40,0	A
1206501	R1A06F106I-1608	1/2-14	41,0	29,0	18,0	40,0	A
1206500	R1A06F106I-1612	3/4-14	41,0	49,0	18,0	40,0	B
1206517	R1A06F106I-1620	1 1/4-11	55,0	57,0	18,0	40,0	B
1206518	R1A06F106I-1624	1 1/2-11	60,0	59,0	18,0	40,0	B
1206499	R1A06F106I-2008	1/2-14	50,0	32,0	20,0	50,0	A
1206497	R1A06F106I-2012	3/4-14	50,0	32,0	20,0	50,0	A
1206465	R1A06F106I-2016	1-11	50,0	53,0	20,0	50,0	B
1206519	R1A06F106I-2024	1 1/2-11	60,0	60,0	20,0	50,0	B
1206496	R1A06F106I-2408	1/2-14	55,0	36,0	22,0	55,0	A
1206495	R1A06F106I-2412	3/4-14	55,0	36,0	22,0	55,0	A
1206494	R1A06F106I-2416	1-11	55,0	36,0	22,0	55,0	A
1206493	R1A06F106I-2420	1 1/4-11	55,0	58,0	22,0	55,0	B

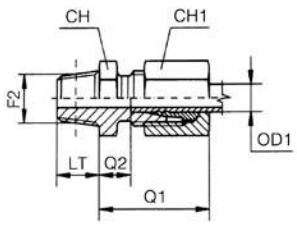
Dimensions shown may be changed without prior notice

// BSPT

// R1A11M107M

Straight connector DIN 24° Male - BSPT cylindric flat Male - Light series





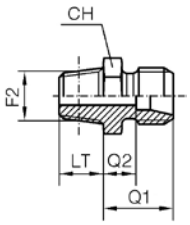
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	CH	CH1	LT
			mm		mm	mm	mm	mm	mm	mm
1205767	1241561	R1A11M107M-0602	6	1/8-28	23,0	7,0	14,0	12,0	14,0	10,0
1206219	1242147	R1A11M107M-0604	6	1/4-19	24,0	8,0	15,0	17,0	14,0	13,0
1206606	1241564	R1A11M107M-0802	8	1/8-28	25,0	8,0	15,0	14,0	17,0	10,0
1205584	1244913	R1A11M107M-0804	8	1/4-19	25,0	8,0	15,0	17,0	17,0	13,0
1205587	1241960	R1A11M107M-0806	8	3/8-19	26,0	9,0	16,0	19,0	17,0	13,0
1206221	1244914	R1A11M107M-0808	8	1/2-14	26,0	9,0	16,0	22,0	17,0	16,0
1206454	1244915	R1A11M107M-1002	10	1/8-28	26,0	9,0	16,0	17,0	19,0	10,0
1204289	1241526	R1A11M107M-1004	10	1/4-19	26,0	9,0	16,0	17,0	19,0	13,0
1204290	1244916	R1A11M107M-1006	10	3/8-19	27,0	10,0	17,0	19,0	19,0	13,0
1204288	1244917	R1A11M107M-1008	10	1/2-14	27,0	10,0	17,0	22,0	19,0	16,0
1205482	1241566	R1A11M107M-1204	12	1/4-19	27,0	10,0	17,0	19,0	22,0	13,0
1204293	1244918	R1A11M107M-1206	12	3/8-19	27,0	10,0	17,0	19,0	22,0	13,0
1204292	1244919	R1A11M107M-1208	12	1/2-14	27,0	10,0	17,0	22,0	22,0	16,0
1205768	1244920	R1A11M107M-1506	15	3/8-19	29,0	11,0	18,0	24,0	27,0	13,0
1204296	1244921	R1A11M107M-1508	15	1/2-14	29,0	11,0	18,0	24,0	27,0	16,0
1244867	1244922	R1A11M107M-1806	18	3/8-19	31,0	11,5	19,0	27,0	32,0	13,0
1205769	1244923	R1A11M107M-1808	18	1/2-14	31,0	11,5	19,0	27,0	32,0	16,0
1208156	1244924	R1A11M107M-1812	18	3/4-14	32,0	11,5	19,0	32,0	32,0	18,0
1205770	1244925	R1A11M107M-2212	22	3/4-14	33,0	13,5	21,0	32,0	36,0	18,0
1205771	1244926	R1A11M107M-2816	28	1-11	34,0	14,5	22,0	41,0	41,0	20,0
1244868	1244927	R1A11M107M-3516	35	1-11	39,0	14,5	25,0	46,0	50,0	20,0
1206046	1244928	R1A11M107M-3520	35	1 1/4-11	39,0	14,5	25,0	46,0	50,0	21,0

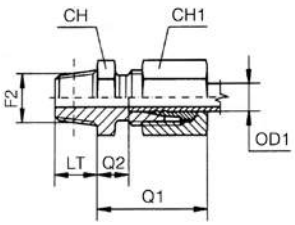
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A12M107M

Straight connector DIN 24° Male - BSPT cylindric flat Male - Heavy series





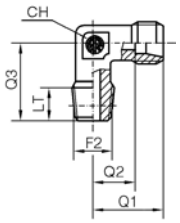
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	CH	CH1	LT
			mm		mm	mm	mm	mm	mm	mm
1205772	1244989	R1A12M107M-0604	6	1/4-19	28,0	12,0	19,0	17,0	17,0	13,0
1205773	1244990	R1A12M107M-0804	8	1/4-19	30,0	13,0	20,0	17,0	19,0	13,0
1245379	1245384	R1A12M107M-1004	10	1/4-19	31,0	12,5	20,0	19,0	22,0	13,0
1244891	1244991	R1A12M107M-1006	10	3/8-19	31,0	12,5	20,0	19,0	22,0	13,0
1245380	1245385	R1A12M107M-1204	12	1/4-19	33,0	14,5	22,0	22,0	24,0	13,0
1244892	1244992	R1A12M107M-1206	12	3/8-19	33,0	14,5	22,0	22,0	24,0	13,0
1245381	1245386	R1A12M107M-1208	12	1/2-14	33,0	14,5	22,0	22,0	24,0	16,0
1205776	1245388	R1A12M107M-1406	14	3/8-19	37,0	16,0	24,0	24,0	27,0	13,0
1205894	1244993	R1A12M107M-1408	14	1/2-14	37,0	16,0	24,0	24,0	27,0	16,0
1206082	1245389	R1A12M107M-1606	16	3/8-19	37,0	17,5	26,0	27,0	30,0	13,0
1205777	1244994	R1A12M107M-1608	16	1/2-14	37,0	17,5	26,0	27,0	30,0	16,0
1205778	1244995	R1A12M107M-2012	20	3/4-14	42,0	17,5	28,0	32,0	36,0	18,0
1244893	1244996	R1A12M107M-2516	25	1-11	47,0	18,0	30,0	41,0	46,0	20,0
1245382	1245390	R1A12M107M-3016	30	1-11	50,0	19,5	33,0	46,0	50,0	20,0
1206916	1244997	R1A12M107M-3020	30	1 1/4-11	50,0	19,5	33,0	46,0	50,0	21,0
1245383	1245391	R1A12M107M-3820	38	1 1/4-11	57,0	22,0	38,0	55,0	60,0	21,0
1207841	1244998	R1A12M107M-3824	38	1 1/2-11	57,0	22,0	38,0	55,0	60,0	22,0

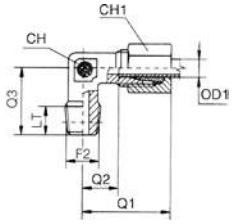
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11M907M

90° connector DIN 24° Male - BSPT Male - Light series



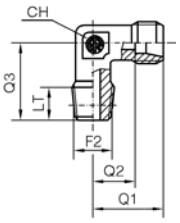


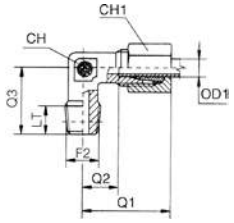
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LT
			mm		mm	mm	mm	mm	mm	mm	mm
1205780	1244959	R1A11M907M-0602	6	1/8-28	27,0	12,0	20,0	19,0	12,0	14,0	8,0
1204096	1241962	R1A11M907M-0604	6	1/4-19	29,0	14,0	26,0	21,0	12,0	14,0	12,0
1206232	1244960	R1A11M907M-0802	8	1/8-28	29,0	14,0	26,0	21,0	12,0	17,0	8,0
1205781	1243352	R1A11M907M-0804	8	1/4-19	29,0	14,0	26,0	21,0	12,0	17,0	12,0
1204098	1241091	R1A11M907M-0806	8	3/8-19	32,0	17,0	28,0	24,0	17,0	17,0	12,0
1205782	1242418	R1A11M907M-1004	10	1/4-19	30,0	15,0	27,0	22,0	14,0	19,0	12,0
1204085	1244961	R1A11M907M-1006	10	3/8-19	32,0	17,0	28,0	24,0	17,0	19,0	12,0
1206181	1244962	R1A11M907M-1008	10	1/2-14	36,0	21,0	34,0	28,0	19,0	19,0	14,0
1205521	1241567	R1A11M907M-1204	12	1/4-19	32,0	17,0	28,0	24,0	17,0	22,0	12,0
1204089	1241475	R1A11M907M-1206	12	3/8-19	32,0	17,0	28,0	24,0	17,0	22,0	12,0
1204088	1244963	R1A11M907M-1208	12	1/2-14	36,0	21,0	34,0	28,0	19,0	22,0	14,0
1205783	1244964	R1A11M907M-1506	15	3/8-19	36,0	21,0	34,0	28,0	19,0	27,0	12,0
1204092	1244965	R1A11M907M-1508	15	1/2-14	36,0	21,0	34,0	28,0	19,0	27,0	14,0
1205784	1241843	R1A11M907M-1808	18	1/2-14	40,0	23,5	36,0	31,0	24,0	32,0	14,0
1205785	1244966	R1A11M907M-2212	22	3/4-14	44,0	27,5	42,0	25,0	27,0	36,0	16,0
1206569	1244967	R1A11M907M-2816	28	1-11	47,0	30,5	48,0	38,0	36,0	41,0	18,0
1244886	1244968	R1A11M907M-3520	35	1 1/4-11	56,0	34,5	54,0	45,0	41,0	50,0	20,0
1244887	1244969	R1A11M907M-4224	42	1 1/2-11	63,0	40,0	61,0	51,0	50,0	60,0	22,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M907M

90° connector DIN 24° Male - BSPT Male - Heavy series





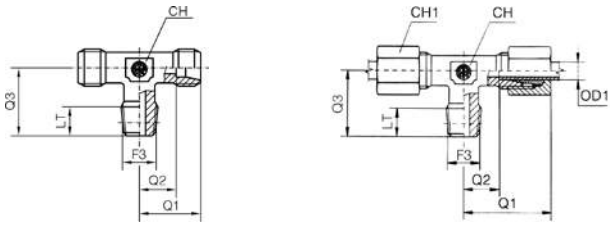
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LT
			mm		mm	mm	mm	mm	mm	mm	mm
1205786	1245026	R1A12M907M-0604	6	1/4-19	31,0	16,0	26,0	23,0	12,0	17,0	12,0
1205787	1245027	R1A12M907M-0804	8	1/4-19	32,0	17,0	27,0	24,0	14,0	19,0	12,0
1205788	1245028	R1A12M907M-1006	10	3/8-19	34,0	17,5	28,0	25,0	17,0	22,0	12,0
1205789	1245029	R1A12M907M-1206	12	3/8-19	38,0	21,5	31,0	29,0	17,0	24,0	12,0
1206792	1245030	R1A12M907M-1208	12	1/2-14	39,0	22,5	32,0	30,0	19,0	24,0	14,0
1205791	1245031	R1A12M907M-1408	14	1/2-14	40,0	22,0	32,0	30,0	19,0	27,0	14,0
1206722	1245032	R1A12M907M-1606	16	3/8-19	43,0	24,5	32,0	33,0	24,0	30,0	12,0
1205792	1245033	R1A12M907M-1608	16	1/2-14	43,0	24,5	32,0	33,0	24,0	30,0	14,0
1205793	1245034	R1A12M907M-2012	20	3/4-14	48,0	26,5	42,0	37,0	27,0	36,0	16,0
1207845	1245035	R1A12M907M-2516	25	1-11	54,0	30,0	48,0	42,0	36,0	46,0	18,0
1207846	1245036	R1A12M907M-3020	30	1 1/4-11	62,0	35,5	54,0	49,0	41,0	50,0	20,0
1241128	1245037	R1A12M907M-3824	38	1 1/2-11	72,0	41,0	61,0	57,0	50,0	60,0	22,0

Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11MT07M

Branch Tee connector DIN 24° Male - BSPT Male - Light series

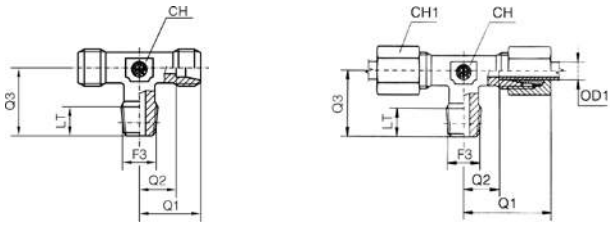


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LT
			mm		mm	mm	mm	mm	mm	mm	mm
1206237	1244980	R1A11MT07M-0602	6	M12X1.5	27,0	12,0	20,0	19,0	12,0	14,0	8,0
1205794	1242713	R1A11MT07M-0804	8	M14X1.5	29,0	14,0	26,0	21,0	12,0	17,0	12,0
1205795	1244981	R1A11MT07M-1004	10	M16X1.5	30,0	15,0	27,0	22,0	14,0	19,0	12,0
1205796	1244982	R1A11MT07M-1206	12	M18X1.5	32,0	17,0	28,0	24,0	17,0	22,0	12,0
1206123	1244983	R1A11MT07M-1508	15	M22X1.5	36,0	21,0	34,0	28,0	19,0	27,0	14,0
1206238	1244984	R1A11MT07M-1808	18	M26X1.5	40,0	23,5	36,0	31,0	24,0	32,0	14,0
1206124	1244985	R1A11MT07M-2212	22	M30X2	44,0	27,5	42,0	35,0	27,0	36,0	16,0
1207819	1244986	R1A11MT07M-2816	28	M36X2	47,0	30,5	48,0	38,0	36,0	41,0	18,0
1207820	1244987	R1A11MT07M-3520	35	M45X2	56,0	34,5	54,0	45,0	41,0	50,0	20,0
1207821	1244988	R1A11MT07M-4224	42	M52X2	63,0	40,0	61,0	51,0	50,0	60,0	22,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12MT07M

Branch Tee connector DIN 24° Male - BSPT Male - Heavy series



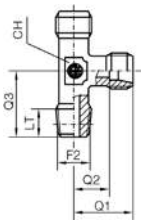
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LT
			mm		mm	mm	mm	mm	mm	mm	mm
1207028	1245048	R1A12MT07M-0604	6	M14X1.5	31,0	16,0	26,0	23,0	12,0	17,0	12,0
1207029	1245049	R1A12MT07M-0804	8	M16X1.5	32,0	17,0	27,0	24,0	14,0	19,0	12,0
1207030	1245050	R1A12MT07M-1006	10	M18X1.5	34,0	17,5	28,0	25,0	17,0	22,0	12,0
1207031	1245051	R1A12MT07M-1206	12	M20X1.5	38,0	21,5	31,0	29,0	17,0	24,0	12,0
1207851	1245052	R1A12MT07M-1408	14	M22X1.5	40,0	22,0	32,0	30,0	19,0	27,0	14,0
1206239	1245053	R1A12MT07M-1608	16	M24X1.5	43,0	24,5	32,0	33,0	24,0	30,0	14,0
1245394	1245397	R1A12MT07M-2012	20	M30X2	48,0	26,5	42,0	37,0	27,0	36,0	16,0
1207852	1245054	R1A12MT07M-2516	25	M36X2	54,0	30,0	48,0	42,0	36,0	46,0	18,0
1245395	1245398	R1A12MT07M-3020	30	M42X2	62,0	35,5	54,0	49,0	41,0	50,0	20,0
1245396	1245399	R1A12MT07M-3824	38	M52X2	72,0	41,0	61,0	49,0	50,0	60,0	22,0

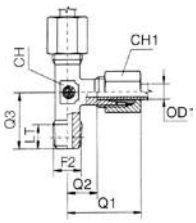
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11ML07M

Run Tee connector DIN 24° Male - BSPT Male - Light series



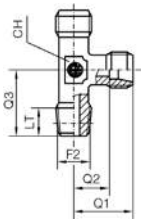


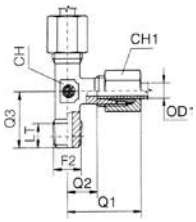
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LT
			mm		mm	mm	mm	mm	mm	mm	mm
1206235	1244970	R1A11ML07M-0602	6	1/8-28	27,0	12,0	20,0	19,0	12,0	14,0	8,0
1211017	1244971	R1A11ML07M-0804	8	1/4-19	29,0	14,0	26,0	21,0	12,0	17,0	12,0
1206723	1244972	R1A11ML07M-1004	10	1/4-19	30,0	15,0	27,0	22,0	14,0	19,0	12,0
1206236	1244973	R1A11ML07M-1206	12	3/8-19	32,0	17,0	28,0	24,0	17,0	22,0	12,0
1206409	1244974	R1A11ML07M-1508	15	1/2-14	36,0	21,0	34,0	38,0	19,0	27,0	14,0
1211018	1244975	R1A11ML07M-1808	18	1/2-14	40,0	23,5	36,0	31,0	24,0	32,0	14,0
1244888	1244976	R1A11ML07M-2212	22	3/4-14	44,0	27,5	42,0	35,0	27,0	36,0	16,0
1244889	1244977	R1A11ML07M-2816	28	1-11	47,0	30,5	48,0	38,0	36,0	41,0	18,0
1207818	1244978	R1A11ML07M-3520	35	1 1/4-11	56,0	34,5	54,0	45,0	41,0	50,0	20,0
1244890	1244979	R1A11ML07M-4224	42	1 1/2-11	63,0	40,0	61,0	51,0	50,0	60,0	22,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12ML07M

Run Tee connector DIN 24° Male - BSPT Male - Heavy series





Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	F1	Q1	Q2	Q3	Q4	CH	CH1	LT
			mm		mm	mm	mm	mm	mm	mm	mm
1211204	1245038	R1A12ML07M-0604	6	1/4-19	31,0	16,0	26,0	23,0	12,0	17,0	12,0
1211205	1245039	R1A12ML07M-0804	8	1/4-19	32,0	17,0	27,0	24,0	14,0	19,0	12,0
1207847	1245040	R1A12ML07M-1006	10	3/8-19	34,0	17,5	28,0	25,0	17,0	22,0	12,0
1207848	1245041	R1A12ML07M-1206	12	3/8-19	38,0	21,5	31,0	29,0	17,0	24,0	12,0
1211206	1245042	R1A12ML07M-1408	14	1/2-14	40,0	22,0	32,0	30,0	19,0	27,0	14,0
1207849	1245043	R1A12ML07M-1608	16	1/2-14	43,0	24,5	32,0	33,0	24,0	30,0	14,0
1207850	1245044	R1A12ML07M-2012	20	3/4-14	48,0	26,5	42,0	37,0	27,0	36,0	16,0
1244910	1245045	R1A12ML07M-2516	25	1-11	54,0	30,0	48,0	42,0	36,0	46,0	18,0
1244911	1245046	R1A12ML07M-3020	30	1 1/4-11	62,0	35,5	54,0	49,0	41,0	50,0	20,0
1244912	1245047	R1A12ML07M-3824	38	1 1/2-11	72,0	41,0	61,0	57,0	50,0	60,0	22,0

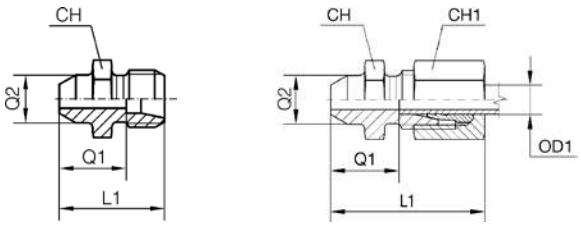
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// BUTT WELD

// R1A11M100S

Butt Weld straight coupling DIN 24° - Light series

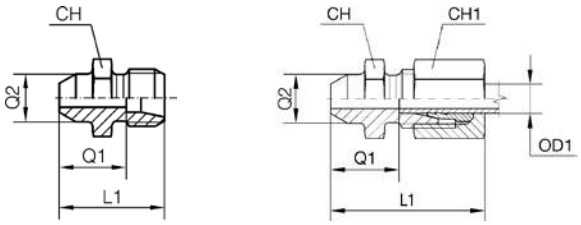


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	Q1	Q2	CH	CH1	L	L1
			mm	mm	mm	mm	mm	mm	mm
1211088	1243708	R1A11M100S-0600	6	14,0	10,0	12,0	14,0	29,0	21,0
1211089	1243709	R1A11M100S-0800	8	16,0	12,0	14,0	17,0	31,0	23,0
1211090	1243710	R1A11M100S-1000	10	18,0	14,0	17,0	19,0	33,0	25,0
1211091	1243711	R1A11M100S-1200	12	18,0	16,0	19,0	22,0	33,0	25,0
1211092	1243712	R1A11M100S-1500	15	22,0	19,0	22,0	27,0	37,0	29,0
1211093	1243713	R1A11M100S-1800	18	23,5	22,0	27,0	32,0	40,0	31,0
1211094	1243714	R1A11M100S-2200	22	28,5	27,0	32,0	36,0	45,0	36,0
1211095	1243715	R1A11M100S-2800	28	30,5	32,0	41,0	41,0	47,0	38,0
1211096	1243716	R1A11M100S-3500	35	32,5	40,0	46,0	50,0	54,0	43,0
1210752	1243717	R1A11M100S-4200	42	35,0	46,0	55,0	60,0	58,0	46,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M100S

Butt Weld straight coupling DIN 24° - Heavy series



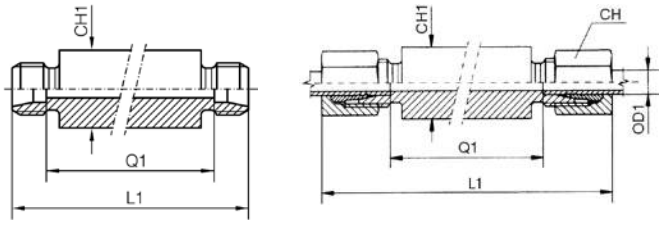
Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	Q1	Q2	CH	CH1	L	L1
			mm	mm	mm	mm	mm	mm	mm
1211265	1244047	R1A12M100S-0600	6	19,0	11,0	14,0	17,0	34,0	26,0
1211266	1244048	R1A12M100S-0800	8	21,0	13,0	17,0	19,0	36,0	28,0
1208074	1244049	R1A12M100S-1000	10	22,5	15,0	19,0	22,0	39,0	30,0
1206144	1244050	R1A12M100S-1200	12	24,5	17,0	22,0	24,0	41,0	32,0
1211267	1244051	R1A12M100S-1400	14	27,0	19,0	24,0	27,0	45,0	35,0
1211268	1244052	R1A12M100S-1600	16	26,5	21,0	27,0	30,0	45,0	35,0
1207100	1244053	R1A12M100S-2000	20	29,5	26,0	32,0	36,0	51,0	40,0
1208075	1244054	R1A12M100S-2500	25	32,0	31,0	41,0	46,0	56,0	44,0
1211269	1244055	R1A12M100S-3000	30	35,5	36,0	46,0	50,0	62,0	49,0
1207132	1244056	R1A12M100S-3800	38	38,0	44,0	55,0	60,0	69,0	54,0

Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// R1A11M111S

Butt Weld long straight coupling DIN 24° - Light series

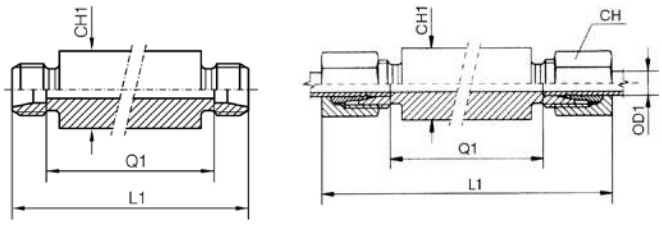


Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	Q1	CH	CH1	L	L1
			mm	mm	mm	mm	mm	mm
1211098	1243787	R1A11M111S-0606	6	56,0	14,0	18,0	85,0	70,0
1211099	1243788	R1A11M111S-0808	8	56,0	17,0	20,0	85,0	70,0
1211100	1243789	R1A11M111S-1010	10	58,0	19,0	22,0	87,0	72,0
1211101	1243790	R1A11M111S-1212	12	58,0	22,0	25,0	87,0	72,0
1207460	1244547	R1A11M111S-1515	15	70,0	27,0	28,0	100,0	84,0
1211102	1243791	R1A11M111S-1818	18	69,0	32,0	32,0	101,0	84,0
1211103	1243792	R1A11M111S-2222	22	73,0	36,0	36,0	105,0	88,0
1211104	1243793	R1A11M111S-2828	28	73,0	41,0	40,0	106,0	88,0
1211105	1243794	R1A11M111S-3535	35	71,0	50,0	50,0	114,0	92,0
1211106	1243795	R1A11M111S-4242	42	70,0	60,0	60,0	115,0	92,0

Part number Complete: add suffix "_A" to Body Only part number

// R1A12M112S

Butt Weld long straight coupling DIN 24° - Heavy series



Item Code Body Only	Item Code Complete	Part Number Body Only	OD1	Q1	CH	CH1	L	L1
			mm	mm	mm	mm	mm	mm
1211271	1244135	R1A12M112S-0606	6	60,0	17,0	20,0	89,0	74,0
1211272	1244136	R1A12M112S-0808	8	60,0	19,0	22,0	89,0	74,0
1208076	1244137	R1A12M112S-1010	10	59,0	22,0	25,0	91,0	74,0
1211273	1244138	R1A12M112S-1212	12	59,0	24,0	28,0	91,0	74,0
1211274	1244139	R1A12M112S-1414	14	72,0	27,0	30,0	107,0	88,0
1211275	1244140	R1A12M112S-1616	16	71,0	30,0	35,0	107,0	88,0
1207467	1242452	R1A12M112S-2020	20	71,0	36,0	38,0	114,0	92,0
1211276	1244141	R1A12M112S-2525	25	72,0	46,0	45,0	120,0	96,0
1211277	1244142	R1A12M112S-3030	30	73,0	50,0	50,0	126,0	100,0
1211278	1244143	R1A12M112S-3838	38	72,0	60,0	60,0	133,0	104,0

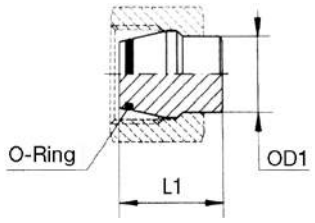
Part number Complete: add suffix "_A" to Body Only part number

Dimensions shown may be changed without prior notice

// PLUG

// R1A15F0000

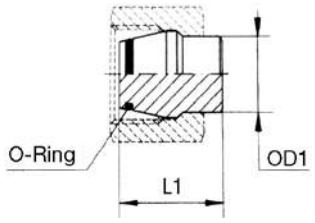
Plug with O-Ring 24° DIN 2353 - Light series



Item Code	Part Number	Head	OD1	L
		mm	mm	mm
1208264	R1A15F0000-0600	-0600	6	18,5
1208263	R1A15F0000-0800	-0800	8	18,5
1208262	R1A15F0000-1000	-1000	10	20,0
1208240	R1A15F0000-1200	-1200	12	20,5
1208142	R1A15F0000-1500	-1500	15	20,5
1208143	R1A15F0000-1800	-1800	18	22,5
1208146	R1A15F0000-2200	-2200	22	25,0
1208148	R1A15F0000-2800	-2800	28	25,5
1208149	R1A15F0000-3500	-3500	35	30,0
1208150	R1A15F0000-4200	-4200	42	30,0

// R1A16F0000

Plug with O-Ring 24° DIN 2353 - Heavy series

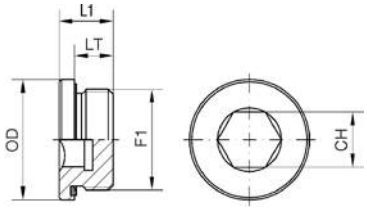


Item Code	Part Number	Head	OD1	L
		mm	mm	mm
1208239	R1A16F0000-0600	-0600	6	18,5
1208238	R1A16F0000-0800	-0800	8	18,5
1208237	R1A16F0000-1000	-1000	10	20,0
1208236	R1A16F0000-1200	-1200	12	20,5
1208062	R1A16F0000-1400	-1400	14	22,5
1208063	R1A16F0000-1600	-1600	16	23,5
1208064	R1A16F0000-2000	-2000	20	28,5
1208065	R1A16F0000-2500	-2500	25	29,0
1208066	R1A16F0000-3000	-3000	30	30,5
1208067	R1A16F0000-3800	-3800	38	33,0

Dimensions shown may be changed without prior notice

// R1A50I0000

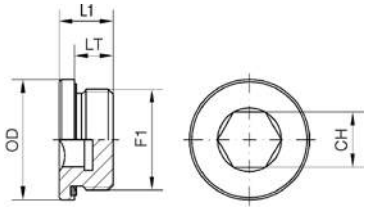
Socket head plug Metric cylindric with elastomer



Item Code	Part Number	F1	OD	CH	L	LT
			mm	mm	mm	mm
1246636	R1A50I0000-1000	M10X1.0	13,9	5,0	12,0	8,0
1248040	R1A50I0000-1200	M12X1.5	16,9	6,0	17,0	12,0
1246693	R1A50I0000-1400	M14X1.5	18,9	6,0	17,0	12,0
1248041	R1A50I0000-1600	M16X1.5	21,9	8,0	17,0	12,0
1204053	R1A50I0000-1800	M18X1.5	23,9	8,0	17,0	12,0
1247648	R1A50I0000-2000	M20X1.5	25,9	10,0	19,0	14,0
1246067	R1A50I0000-2200	M22X1.5	26,9	10,0	19,0	14,0
1246594	R1A50I0000-2600	M26X1.5	31,9	12,0	21,0	16,0
1204057	R1A50I0000-2700	M27X2	31,9	12,0	21,0	16,0
1206706	R1A50I0000-3300	M33X2.0	39,9	17,0	22,5	16,0
1211886	R1A50I0000-4200	M42X2	49,9	22,0	22,5	16,0
1207864	R1A50I0000-4800	M48X2.0	54,9	24,0	22,5	16,0

// R1A06I0000

Socket head plug BSPP cylindric with elastomer



Item Code	Part Number	F1	OD	CH	L	LT
			mm	mm	mm	mm
1204044	R1A06I0000-0200	1/8-28	13,9	5,0	12,0	8,0
1204043	R1A06I0000-0400	1/4-19	18,9	6,0	17,0	12,0
1204049	R1A06I0000-0600	3/8-19	21,9	8,0	17,0	12,0
1204042	R1A06I0000-0800	1/2-14	26,9	10,0	19,0	14,0
1204048	R1A06I0000-1200	3/4-14	31,9	12,0	21,0	16,0
1204045	R1A06I0000-1600	1-11	39,9	17,0	22,5	16,0
1204047	R1A06I0000-2000	1 1/4-11	49,9	22,0	22,5	16,0
1204046	R1A06I0000-2400	1 1/2-11	54,9	24,0	22,5	16,0

// APPENDIX

// HOSE GUIDELINES 330
// FITTINGS GUIDELINES 342
// ADAPTERS GUIDELINES 356

// HOSE GUIDELINES

SETTING NEW STANDARD

ALFAGOMMA cares for the environment and for your equipment among ALFAGOMMA's newest products are ALFABIOTECH 2000, 3000, 4000, 5000, 5000 PLUS, 6000 spiral hose, low temperature, Temp Tech, MineTuff, SuperTuff hose and a complete coupling line (two pieces and precrimped ALFACRIMP systems).
They join the extensive range of ALFAGOMMA hose, the high pressure hydraulic components that have set the standard for reliability and durability.

DESIGN

Throughout the world ALFAGOMMA has build up a name synonymous with quality, a reputation based on first class product, a commitment to research and development and ongoing capital investment.
The development and product engineering staff in ALFAGOMMA, continue to provide fluid conveying product innovations that assure better performance and cost saving to our customers.
ALFAGOMMA hose and couplings are designed to work together as a system for problem free performance, no matter what machine you operate. The performance of all our product exceeds SAE, DIN, JIS requirements and some hoses meet the MSHA and LOBA flame resistance requirements, as well.

LEADERSHIP IN HYDRAULIC HOSE AND COUPLING COMPONENTS

ALFAGOMMA has developed into a world leading manufacturer, of fluid power and fluid system components. A positive attitude towards the demands from new equipment which is using the latest technology has seen ALFAGOMMA introduce many outstanding new hydraulic hose types. These hoses have found acceptance in a wide range of industry, some examples are:

Mining	Earthmoving	Moulding
Logging	Agriculture	Drilling
Petroleum	Waste/Refuse	Crane
Railroad	Manufacturing	
Construction	Pulp and Plywood Mills	

GLOBAL COMPANY

Due to our world-wide organisation of subsidiaries and distributors you will always be near a source for ALFAGOMMA products. Your ALFAGOMMA dealer has trained personnel to consult with you on your hose and coupling requirements guaranteeing consistent quality and performance.

OUR COMMITEMNT

By remaining alert to customer's needs, ALFAGOMMA is constantly engineering new products for tomorrow's markets as well as modifying them for even higher performances.
ALFAGOMMA commitment to innovation and service makes our products known throughout the world for quality, reliability and leadership, when you need quality hose and couplings, use the best available.
Now you can count on ALFAGOMMA for all your needs.

TESTING

ALFAGOMMA laboratories are fully equipped to carry out tests according to standards like SAE, ISO, DIN and JIS. New products are also subjected to laboratory simulation of actual service prior to being released on the market.

WORLD CLASS QUALITY

ALFAGOMMA is working to internationally recognised quality programs requiring stringent standards. Many of our customers are demanding ISO qualification or equivalent as a prerequisite for purchasing. This standard is an assurance of consistent quality.
For ALFAGOMMA this is just the start "do it right from the beginning".

IMPORTANT NOTE FOR USERS

Hose assemblies require caution in use not only to provide long service life but also to guard against potentially dangerous failure.
Serious injury, death and destruction of property can result from the rupture or blowing-apart of a hydraulic hose assembly that is damaged, worn out, badly assembled or installed incorrectly.
Users should follow good maintenance practices. Avoid expensive downtime by establishing a program of inspection, testing and replacement of hose assemblies before failure occurs; taking into account factors including: severity of application, frequency of equipment use, past performance of hose assemblies. Document your maintenance, inspections and testing.
Only properly trained persons should inspect, test or service hose assemblies and this training should be updated regularly.
Users should carefully observe the precautions listed below under **"be aware that"** as well as following closely our recommendations for the selection of hose and couplings. In addition, care should be taken not to exceed the minimum bend radius listed for each hose size and type. Maximum operating pressure should not exceed the pressures listed. Instruction for assembling fittings to different hoses should be followed carefully to ensure the safe performance of the complete assembly.
By following the recommendations on hose assembly routing and installation, improved safety and longer service life of any hose installation will result.
Hydraulic fluid under pressure can be potentially dangerous!!
An explosive burst or stream of escaping fluid can cause damage to equipment as well as serious injury to persons nearby.

BE AWARE THAT...

1. Highly pressurised fluid escaping from a small pinhole can be almost invisible and, yet, exert extreme force capable of penetrating the skin and other body tissues, causing possible severe injury.
2. Hot fluids or chemicals can cause severe burns.
3. Pressurised fluids, if released uncontrolled, can exert a tremendous explosive force.
4. All hydraulic hoses listed in this catalogue are electrically conductive.
5. Some hydraulic fluids are highly flammable.

AND...

6. Always position a shield between you and any pressurised hydraulic lines when working next to them... or shut the pressure off.
7. Wear safety glasses.
8. Do not use your hands to check for leaks. Do not touch a pressurised hydraulic hose assembly with any part of your body, if fluid punctures the skin, even if no pain is felt, a serious emergency exists. Obtain medical assistance immediately. Failure to do so can result in loss of the injured body part or death.
9. Stay out of hazardous areas while testing hose assemblies under pressure. Use proper safety protection.
10. If an injury or reaction occurs, get medical attention right away.
11. Use only non conductive thermoplastic hoses where electrical conductivity is not desired: for instance, equipment working on electric power lines.

ALFAGOMMA hose and fitting are designed, engineered and tested to be used together in an assembly.

The use of ALFAGOMMA fittings on other manufactures hose or the use of ALFAGOMMA hose with other manufactures fittings may result in the production of unreliable or unsafe assemblies. It is neither recommended nor authorised by ALFAGOMMA.

ALFAGOMMA recommends only those hose and coupling combinations specified in the ALFAGOMMA Hydraulic Products Catalogues.

ALFAGOMMA disclaims any liability for any hose assemblies which have not been produced in conformance with ALFAGOMMA assembly recommendations and current crimp data charts.

Extensive impulse testing has been performed by ALFAGOMMA to verify the recommendations contained in this catalogue. A simple burst or pressure test cannot determine a hose and coupling combination.
Any claim for defects must be made in writing on the appropriate ISO 9001 complaint form within 8 days from receipt of the product. ALFAGOMMA will have a reasonable opportunity thereafter to examine and investigate the alleged defect.

The customer's exclusive remedy with respect to any claim of any kind whatsoever shall be refund of the purchase price or replacement of the product at the option of ALFAGOMMA and in no event shall ALFAGOMMA be liable for any incidental or consequential damages whatsoever.

REFERENCE SPECIFICATIONS

SAE -	Society of Automotive Engineers
DNV - GL	Det Norske Veritas - Germanischer Lloyd
EN -	European Norm
DIN -	Deutsche Institute Normen
CERCHAR -	Centre d'Etudes et Recherches Des Charbonnages de France
MSHA -	U.S. Mine Safety and Health Administration
LOBA -	Landesobergamt Nordrhein - Westfallen
AS -	Australian Standard
BV -	Bureau Veritas
ISO -	International organization for Standardization
KR -	Korean Register
MA -	Chinese Mining

The listing below are intended only as guides in identifying which ALFAGOMMA hoses comply with requirements of various agencies.

Hose	SAE J517	EN	ISO	Alfagomma Proprietary Hose	DNV GL	ABS	BV	NKK	RINA	Lloyd's Register	MSHA[2]	USDOT[3]	KR	MA
Flexor 1TE/R6 HF	100 R6	854 R6												
Flexor 2TE HF		854 2TE												
Flexor 3TE/R3 HF	100 R3	854 3TE												
Flexor R4	100 R4						X							
Flexor 5	100 R5											X		
Flexor 7	100 R7	855 R7	3949											
Flexor 8	100 R8	855 R8												
Flexor 1SN-R1AT HF	100 R1AT	853 1SN	1436		X	X							X	
Flexor 1SN-R1AT MT	100 R1AT	853 1SN			X	X					X			
Flexor 1ST-R1AT	100 R1A	853 1ST	1436		X	X	X	X	X	X	X		X	
Flexor 2SN-R2AT HF	100 R2AT	853 2SN	1436		X	X							X	
Flexor 2SN-R2AT MT	100 R2AT	853 2SN			X	X					X			X
Flexor 2ST-R2AT	100 R2A	853 2ST	1436		X	X	X	X	X	X	X		X	
Flexopak PLT				X										
Flexopak 1SC		857 1SC	11237		X		X							
Flexopak 2	100 R16	857 2SC	11237		X				X		X		X	
Flexopak 2SC HF	100 R16	857 2SC	11237		X	X	X							X
Flexor 4SP		856 4SP			X	X	X	X	X		X			X
Flexor 4SH		856 4SH			X	X	X	X	X	X	X		X	X
Flexor R12	100 R12	856 R12			X	X		X	X		X			
Flexor R13	100 R13	856 R13			X	X	X	X	X	X	X		X	X
Flexor R15	100 R15				X	X	X		X					X
Alfabiotech 2000			18752								X			
Alfabiotech 3000	EX SAE R12		18752	X	X*					X*	X			
Alfabiotech 4000			18752	X	X	X				X*	X			
Alfabiotech 5000			18752	X	X	X				X*	X			
Alfabiotech 5000P			18752	X	X	X				X*	X			
Alfabiotech 6000	EX SAE R15		18752	X	X	X	X			X*	X			
Firesafe 5000				X							X*			
Alfatech 3000	100 R17	857 Ø 3/8"	11237	X		X					X			
Alfatech 7000				X							X			
Alfatech 8000				X							X			
Flexopak 2 HT	100 R16	857 2SC	11237											
Temp Tech 1SN	100 R1AT	853 1SN	1436	X	X	X*								
Temp Tech 2SN	100 R2AT	853 2SN	1436	X										
Flexopak 2 LT	100 R16	857 2SC		X										
Alfaforest				X										
Flexor 4SP LT		856 4SP		X										
Flexor 4SH LT		856 4SH		X										
Alfajet 210				X										
Alfajet 400				X										

1. DNV approvals are with permanent (crimp) type fittings only
2. Hoses with MSHA approved cover are always branded "MSHA"
3. DOT Type All TYPE All FMVSS 106 approval up to size –12

Listing may vary by style and size, for current and complete information, contact ALFAGOMMA for details.

* Running

SAFETY GUIDE BASIC FACTORS FOR THE SELECTION, INSTALLATION AND MAINTENANCE OF HOSE AND HOSE ASSEMBLIES

Hydraulic hose (and hose assemblies) has a limited life dependent on service conditions to which is applied.
Subjecting hose (and hose assemblies) to conditions more severe than the recommended limits significantly reduce service life. Exposure to combinations of recommended limits (i.e., continuous use at maximum rated working pressure, maximum recommended operating temperature and minimum bend radius) will also reduce service life.

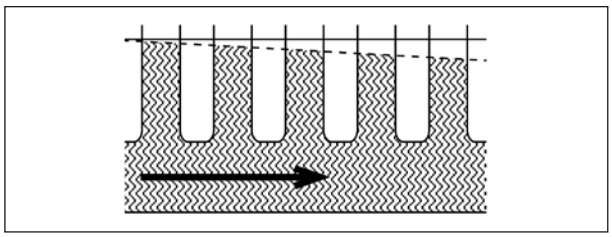
WARNING: FAILURE TO FOLLOW PROPER SELECTION, INSTALLATION AND MAINTENANCE PROCEDURES BODILY INJURY, AND DAMAGE TO PROPERTY.

1. SELECTION

The following is a list of factors which must
be considered before the selection of a hose can be made:

1.1 Line size

In order to achieve maximum efficiency in a hydraulic system, it is necessary to keep pressure losses (resistance to the volumetric flow) to a minimum when a fluid is conveyed by the different types of flow lines.
When a fluid flows through a flow line, heat is generated by friction. Thus part of the energy is lost as heat energy, which results in a pressure loss.



These pressure losses depend upon:

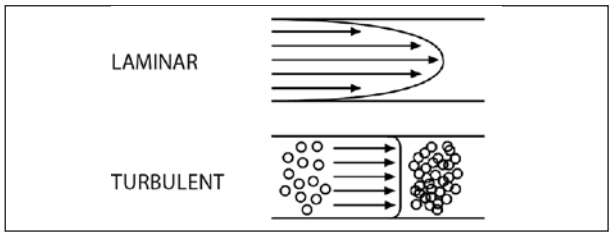
- flow velocity (for a given volumetric flow, the fluid flow velocity increases with a decrease in the cross sectional area of a flow line and vice versa)
- length of the flow line
- the viscosity of the fluid flowing
- the density of the fluid flowing
- the type of flow (laminar or turbulent)

Types of flow - The type of flow changes from laminar to turbulent at a certain flow velocity. This velocity is given by the Reynold's Number Re.
For cylindrical flow lines the following formula applies:

$$Re = \frac{v \times d}{\upsilon}$$

where: v = velocity (m/s)
d = flow line internal dia (m)
υ = kinematic viscosity (m²/s)

As soon as the value for Re exceeds 2300, the laminar flow changes to turbulent flow.
Laminar flow - In laminar flow, the individual fluid particles move up to certain speeds in uniform layers alongside each other. They scarcely disturb or influence each other.
Turbulent flow - If the value for Re exceeds 2300, flow becomes whirling and turbulent. The individual particles no longer move in one direction in an orderly fashion, but influence and hinder each other.



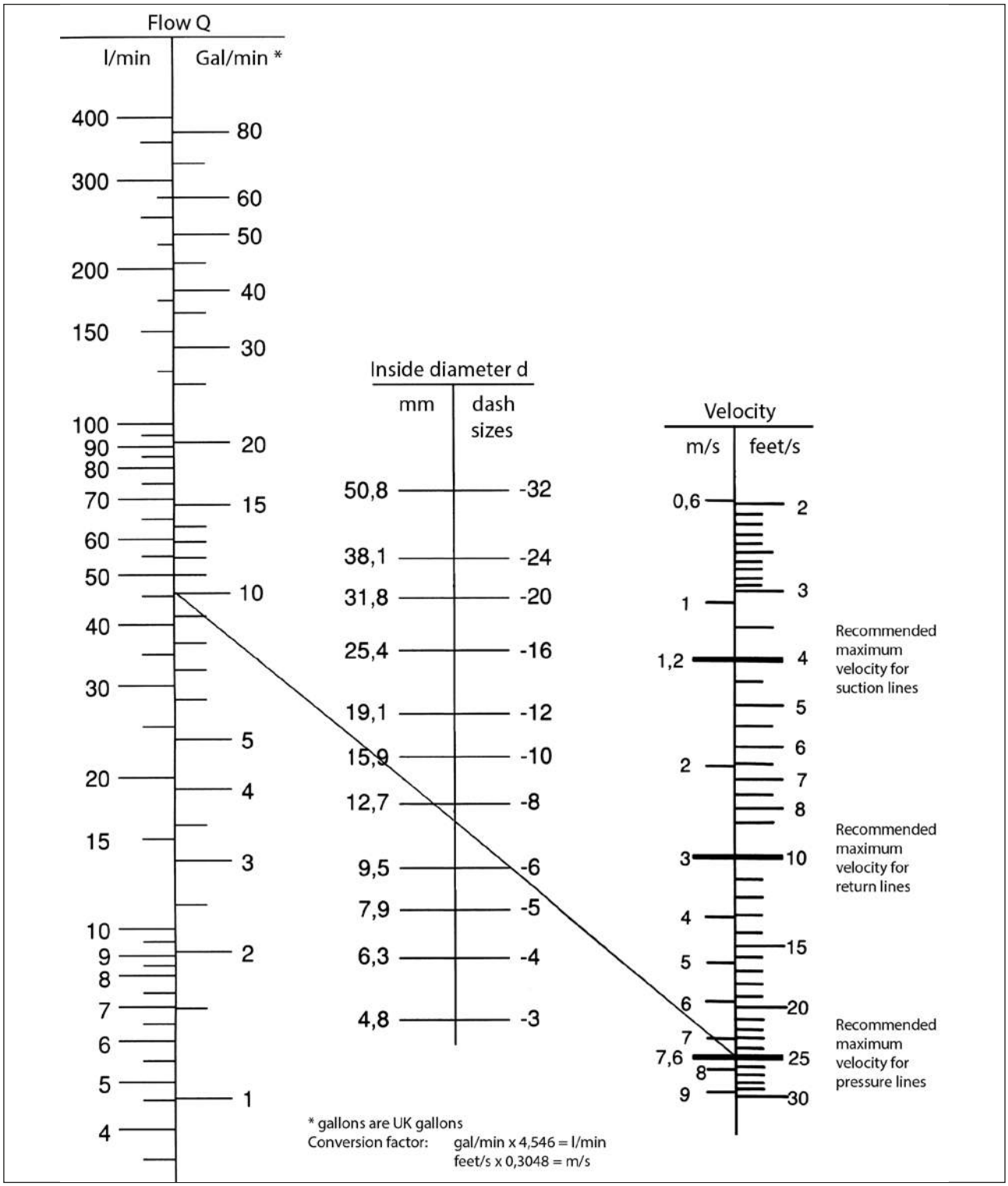
Certain fluid flow velocities have proved to be most suitable for hydraulic flow lines.
Recommended flow velocities:

Suction lines:	0.5 … 1.2 m/s	1.6 … 4 feet/s
Return lines:	2 … 3 m/s	6.5 …10 feet/s
Pressure lines:	4 … 7.5 m/s	13…25 feet/s

FLOW CAPACITY NORMOGRAM
Flow Capacities of Hose at Recommended Flow Velocities
The chart below is provided as an aid in the determination of the correct hose size.
Example at 45 l/min, what is the proper hose size within the recommended velocity range for pressure lines?
Locate 45 l/min in the left-hand column and 7,5 m/s in the right-hand column (the maximum recommended velocity range for pressure lines).
Lay a straight line across these two points. The inside diameters shown in the centre column is above 9,5 mm so we have to use 12,7 mm (1/2"). For suction hose, follow the same procedure except use recommended velocity range for intake lines in the righthand column.
where: Q = flow in liters per seconds (l/sec)
V = velocity in meters per seconds (m/s)
d = hose inside diameter (mm & dash size)

TECHNICAL INFORMATION – NORMOGRAM OF THE FLOW

The normogram herewith is pivotal to help you find the hose diameter by knowing the liquid flow and speed.
In order to find the correct diameter you should trace a line between the flow value (l/min) and the suggested speed (m/sec) according to the kind of delivery (pressure or return). The value touched by the line in the central column will indicate the hose ID (mm/inches) that must be used.



It is therefore important to calculate correctly the required flow line sizes. Undersized pressure lines results in high fluid velocity causing an excessive pressure drop, and heat built up, which impair overall system performance.
Undersized suction lines can cause cavitation at the hydraulic pump inlet, affecting performance, shortening pump life, and creating excessive noise levels.
The flow capacity normogram is an aid to determine the correct hose internal diameter size, desired flow rate and recommended velocity. By the use of any two known factors, the third can be determined.

1.2 Pressure
After determining the system pressure for a hydraulic system, hose selection must be made so that the recommended maximum operating pressure specified by a given hose, is equal or greater than the system pressure. Dynamic pressure is common for all hydraulic systems.Pressure surges which exceed the maximum working pressure (pressure relief valve setting) affect the service life of system components, including a hose assembly and therefore need to be taken into consideration. Hoses used for suction lines must be selected to ensure the hose will withstand the negative pressure of the system.

1.3 Temperature
Care must be taken to ensure that the operating temperature of the fluid being conveyed and ambient temperatures, do not exceed the limitations of the hose.Special care must be taken when routing near hot manifolds or molten metal.

1.4 Fluid Compatibility
Hose selection must assure compatibility of the hose tube, cover, reinforcement, and fittings with the fluid used.
Additional caution must be observed in hose selection for gaseous applications. Some fire resistant fluids require the same hose as petroleum oil. Some use a special hose, while a few fluids will not work with any hose at all.
For gas application, where compatible with ALFAGOMMA Hoses, and at pressure above 10 bar, the hose cover shall be pin-pricked.

1.5 Permeation
Permeation (that is, seepage through the hose) will occur from inside the hose to outside when hose is used with gases, liquid and gas fuels, and refrigerants (including but not limited to such materials such as helium, fuel oil, natural gas or freon). This permeation may result in high concentrations of vapours which are potentially flammable, explosive, or toxic and in loss of fluid.Even though the fluid compatibilty is acceptable, you must take into account the fact that permeation will occur and could be hazardous. Permeation of moisture from outside the hose to inside the hose will also occur. If this moisture permeation would have detrimental effects (particularly but not limited to refrigeration and air conditioning systems), incorporation of sufficient drying capacity in the system or other appropriate system safeguards should be selected and used.

1.6 Routing
Attention must be given to optimum routing to minimise inherent problems. Restrain, protect or guide hose with the use of clamps if necessary to minimise risk or damage due to excessive flexing, whipping or contact with other moving parts or corrosives. Determine hose lengths and configurations that will result in proper routing and protection from abrasion, snagging or kinking and provide leak resistant connections.

1.7 Environment
Care must be taken to ensure that the hose and fittings are either compatible with or protected from the environment to which they are exposed. Environmental conditions including but not limited to ultraviolet light, heat, ozone, moisture, water, salt water, chemicals, and air pollutants can cause degradation and premature failure and, therefore, must be considered.

1.8 Mechanical Loads
External forces can significantly reduce hose life. Mechanical loads which must be considered include excessive flexing, twist, kinking, tensile or side loads, bend radius, and vibration. Use of swivel type fittings or adaptors may be required to ensure no twist is put into the hose. Unusual applications may require special testing prior to hose selection.

1.9 Abrasion
While a hose is designed with a reasonable level of abrasion resistance, care must be taken to protect the hose from excessive abrasion which can result in erosion, snagging, and cutting of the hose cover. Exposure of the reinforcement will significantly accelerate hose failure.

1.10 Proper End Fitting
Care must be taken to ensure proper compatibility exists between the hose and coupling selected based on the manufacturer's recommendations substantiated by testing to industry standards such as SAE J517, DIN 20024, JIS B 8360.

1.11 Length
When establishing proper hose length, motion absorption, hose length changes due to pressure, as well as hose and machine tolerances must be considered.

1.12 Specifications and Standards
When selecting hose and fittings, government, industry, and manufacturer's specifications and recommendations must be reviewed as applicable.

1.13 Hose Cleanliness
Hose components may vary in cleanliness levels. Care must be taken to ensure that the assemblies selected have an adequate level of cleanliness for the application.

1.14 Welding and Brazing
Heating of plated parts, including hose fittings and adaptors, above 232° C (450° F) such as during welding, brazing, or soldering may emit deadly gases.

1.15 Electrical Conductivity

Certain applications require that a hose be non-conductive to prevent electrical current flow. Other applications require the hose to be sufficiently conductive to drain off static electricity.Extreme care must be exercised when selecting hose and fittings for these or any other applications in which electrical conductivity or non-conductivity is a factor.For applications that require hose to be electrically non-conductive, including but not limited to applications near high voltage electric lines, only special non-conductiveThe manufacturer of the equipment in which the non-conductive hose is to be used must be consulted to be certain that the hose and fittings that are selected are proper for the application.

Do not use any ALFAGOMMA hose or fitting for any application requiring non-conductive hose, including but not limited to applications near high voltage electric lines, unless the application is expressly approved in the ALFAGOMMA technical publication for the product, the SAFETY GUIDE hose is both orange in colour and marked “non-conductive”, and the manufacturer of the equipment on which the hose is to be used specifically approves the particular ALFAGOMMA hose and fitting for such use.

ALFAGOMMA does not supply any hose or fittings for conveying paint in airless paint spraying or similar applications and therefore should not be used. A special hose and fitting assembly is required for this application, to avoid static electricity buildup which could cause a spark that may results in an explosion and/or fire.

The electrical conductivity or non-conductivity of hose and fittings is dependant upon many factors and may be susceptible to change. These factors include but are not limited to the various materials used to make the hose and the fittings, manufacturing methods (including moisture control), how the fittings contact the hose, age and amount of deterioration or damage or other changes, moisture content of the hose at and particular time, and others factors.

2. INSTALLATION

After the selection of the correct hose, the following factors must be considered prior to hose and fitting assembly and installation.

2.1 Pre-Installation Inspection

Prior to installation, a careful examination of the hose must be performed. All components must be checked for correct style, size, and length. The hose must be examined for cleanliness, obstructions, blisters, cover looseness, or any other visible defects.

2.2 Hose and Fitting Assembly

Do not assemble an ALFAGOMMA fitting on an ALFAGOMMA hose that is not specified by ALFAGOMMA for that hose. Do not assemble ALFAGOMMA fittings on another manufacturer’s hose or an ALFAGOMMA hose on another manufacturer’s fitting unless ALFAGOMMA approves the assembly in writing, and the user verifies the assembly and the application through analysis and testing.

The ALFAGOMMA published hose assembly instructions must be followed for assembling the fittings on the hose.

2.3 Related Accessories

Crimp or swage ALFAGOMMA hose or fittings only with ALFAGOMMA approved swage or crimp machines and in accordance with the ALFAGOMMA published hose assembly instructions.

2.4 Parts:

Do not use any ALFAGOMMA hose fitting part (including but not limited to sockets, or inserts) except with the correct ALFAGOMMA mating parts, in accordance with ALFAGOMMA published hose assemby.

2.5 Reusable/Permanent

Do not reuse any reusable hose coupling that has blown or pulled off a hose. Do not reuse an ALFAGOMMA permanent (that is, crimped or swaged) hose fitting or any part thereof.

2.6 Minimum Bend Radius

Installation of a hose at less than the minimum listed bend radius may significantly reduce the hose life. Particular attention must be given to avoid sharp bending at the hose/fitting juncture.

2.7 Twist Angle and Orientation

Hose installations must be such that relative motion of machine components does not produce twisting.

2.8 Securement

In many applications, it may be necessary to restrain, protect, or guide the hose to protect it from damage by unnecessary flexing, pressure surges, and contact with other mechanical components. Care must be taken to ensure such restraints do not introduce additional stress or wear points.

2.9 Proper Connection of Ports

Proper physical installation of the hose requires a correctly installed port connection while ensuring that no twist or torque is transferred to the hose.

2.10 External Damage

Proper installation is not complete without ensuring that tensile loads, side loads, kinking, flattening, potential abrasion, thread damage, or damage to sealing surfaces are corrected or eliminated.

2.11 System Checkout

After completing the installation all air entrapment must be eliminated and the system pressurised to the maximum system pressure and checked for proper function without any leaks. Personnel must stay out of potential hazardous areas while testing.

3. HOSE AND FITTING MAINTENANC INSTRUCTIONS

Even with proper selection and installation, hose life may be significantly reduced without a continuing maintenance program. Frequency should be determined by the severity of the application and risk potential. A maintenance program must be established and followed to include the following as a minimum:

3.1 Visual Inspection Hose/Fitting

Any of the following conditions require immediate shut down and replacement of the hose assembly:

- Fitting slippage on hose.
- Damaged, cut or abraded cover (any reinforcement exposed).
- Hard, stiff, heat cracked, or charred hose.
- Cracked, damaged, or badly corroded fittings.
- Leaks at fitting or in hose.
- Kinked, crushed, flattened or twisted hose.
- Blistered, soft, degraded, or loose cover.

3.2 Visual Inspection All Other

The following items must be tightened, repaired or replaced as required:

- Leaking port conditions
- Remove excess dirt build-up
- Clamp, guards, shields
- System fluid level, fluid type and any air entrapment

3.3 Functional Test

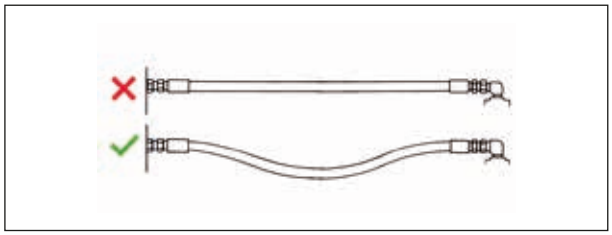
Operate the system at maximum operating pressure and check for possible malfunctions and freedom from leaks. Personnel must stay out of potential hazardous areas while testing.

3.4 Replacement Intervals

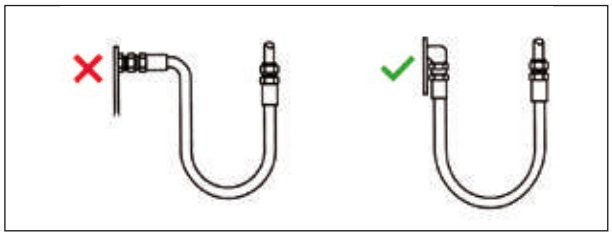
Specific replacement intervals must be considered based on previous service life, government or industry recommendations, or when failures could result in unacceptable downtime, damage, or injury risk.

CORRECT ASSEMBLY ISTALLATION

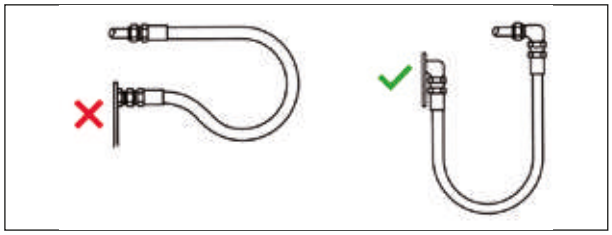
Satisfactory performance and appearance depend upon proper hose installation. Excessive length destroys the trim appearance of an installation and adds unnecessarily to the cost of the equipment. Hose assemblies of insufficient length to permit adequate flexing, expansion or contraction will cause poor power transmission and shorten the life of the hose.
The diagrams below offer suggestions for proper hose installations to obtain the maximum in performance and economy.



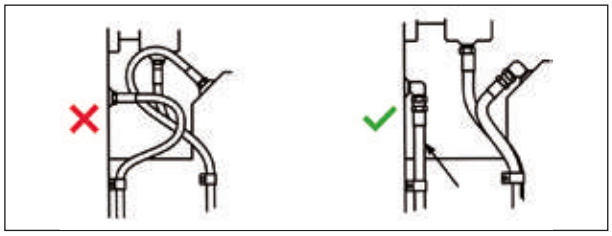
Since hose may change in length from +2% to -4% under the surge of high pressure, provide sufficient slack for expansion and contraction.



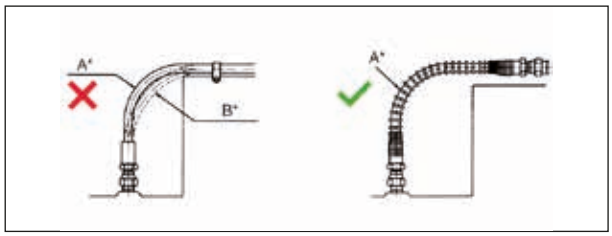
Avoid sharp twist or bend in hose by using proper angle adapters.



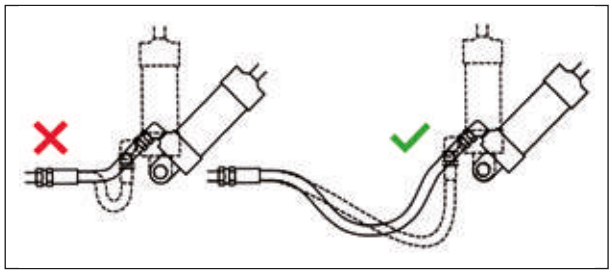
Where the radius falls below the required minimum, an angle adapter should be used as shown above to avoid sharp bends in hose.



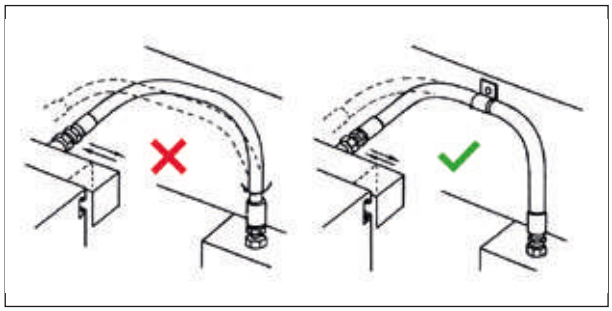
Obtain direct routing of hose through use of 45° and 90° adapters and fittings. Improve appearance by avoiding excessive hose length.



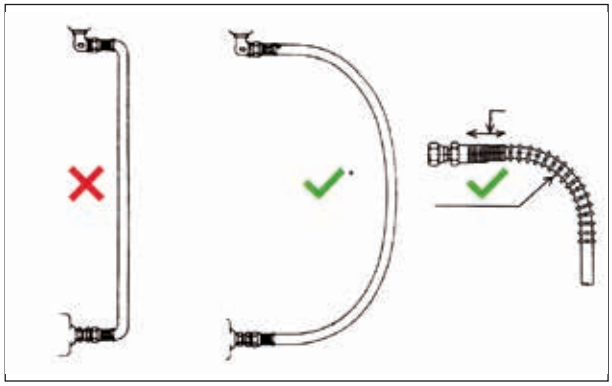
A: High Pressure - B: No Pressure
Due to changes in length when hose is pressurised, do not clamp at bends so curves absorb changes and protect the hose with a spring guard. Do not clamp high and low pressure lines together and protect the hose with a spring guard.



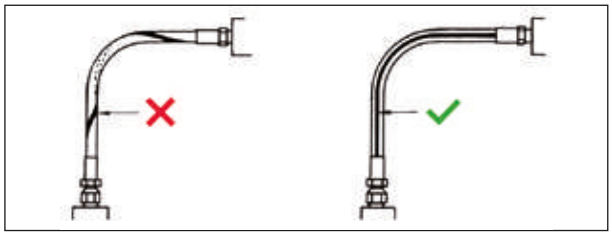
Adequate hose length is most important to distribute movement on flexing applications and to avoid abrasion.



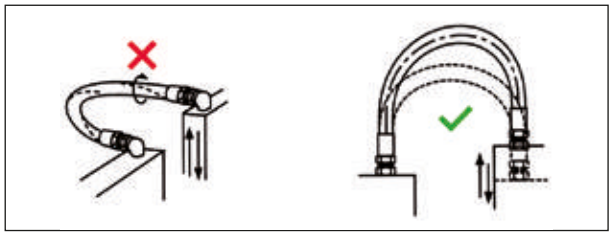
To avoid twisting in hose lines bent in two planes, clamp hose at change of plane, as shown.



* Never use a banding radius less than the minumum amount shown in the table.
To prevent twisting and distortion, hose should be bent in the same plane as the motion of the boss to which the hose is connected.

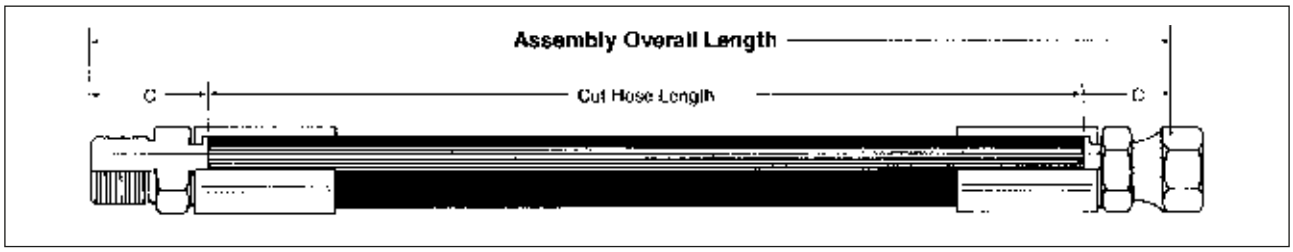


Hose should not be twisted. Hose is weakened when installed in twisted position. Also pressure in twisted hose tends to loosen fitting connections. Design so that machine motion produces bending rather than twisting.



Never use a bending radius less than the minimum shown in the hose specification tables. Avoid sharp bend in hose to reduce collapsing of line and restriction of flow by using proper spring guard. Exceeding minimum bend radius will greatly reduce hose assembly life.

HOW TO DETERMINE CORRECT ASSEMBLY LENGTH

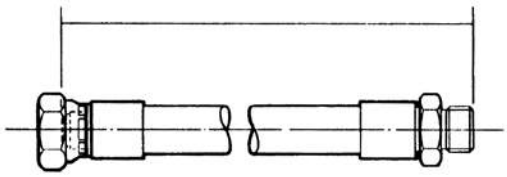


For most assemblies, the correct assembly length may be determined by direct measurement of the equipment or a drawing. Minimum bend radii as shown in the hose specification tables should be observed.
Assemblies are measured to the end of the seal.

To determine the length of hose needed in making assemblies with permanent or reusable couplings, subtract Dimension “C” (Cut off factor) for each coupling from the required overall assembly length. Dimension “C” may be found in the coupling specification tables.

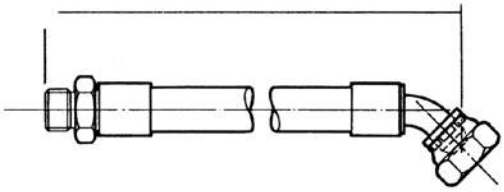
HOW TO MEASURE ASSEMBLIES

Length over nipples



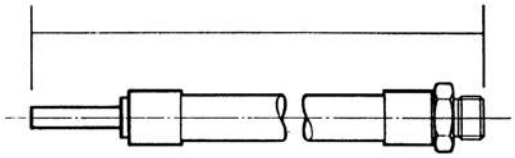
Swivel female and male union

Length between male nipple and centre of female nipple



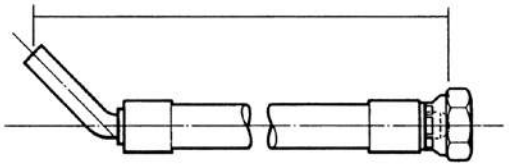
Male union — Swivel female 45° swept union

Length between S.P. and nipple ends



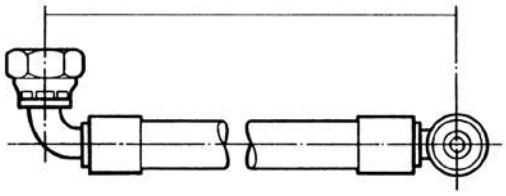
Straight standpipe — Male union

Length between centre lines of S.P. and end of nipple



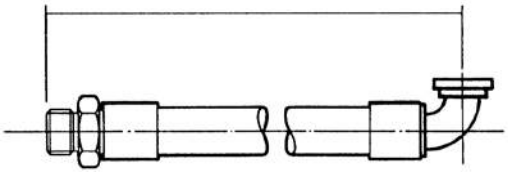
45° standpipe — Swivel female union

Length between centre lines of angle and banjo



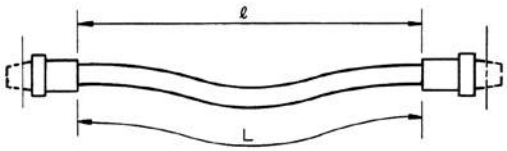
Swivel female 90° swept union — Banjo coupling

Length between centre of angle and nipple end



Male union — 90° SAE flange

Remember that hydraulic hose under pressure will elongate up to 2% of its length or contract up to 4% depending on pressure, type and size. Sufficient allowance should be made to permit such changes in length.

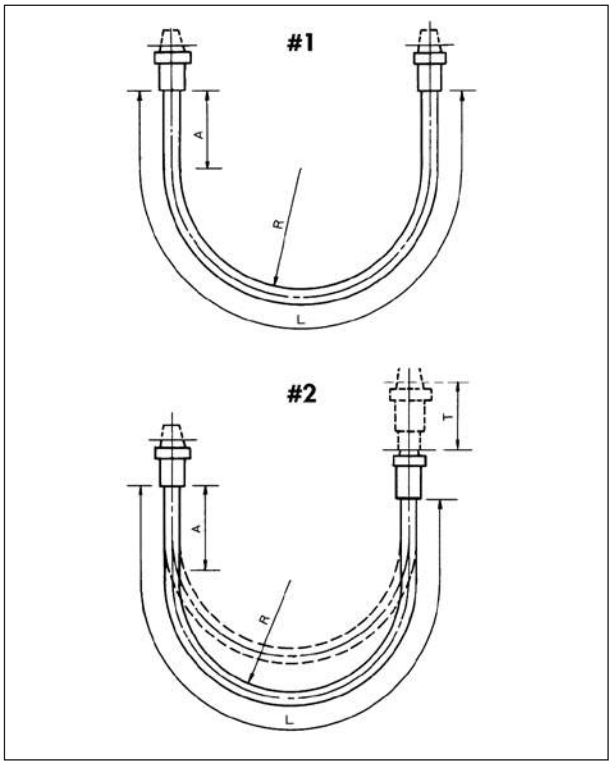


$L \geq l\,(1 + 0{,}04)$

Occasionally an assembly will be required similar to the sketches to the right. The following equations are helpful in determining the correct length:

FOR 180° TURN APPLICATIONS
#1 L = 2A + π R
#2 L = 2A + π R + T

where:
L=overall length of the hydraulic hose assembly, in mm or inches.
A=allowance for a minimum straight section of hydraulic hose at each end of the assembly, measured from the outer end of each coupling, in mm or inches. These two straight sections are necessary to prevent excessive stress concentrations directly back of the couplings. See table below.
R=bending radius of the hose, in mm or inches. See hose specifications tables.
T=amount of travel, in mm or inches.
Often right angle adapters provide a convenient means of avoiding too small a bend radius.



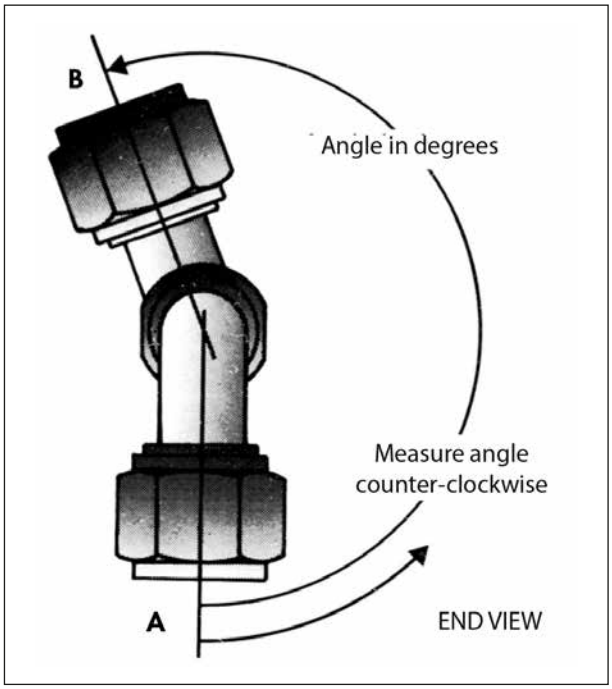
Hose ID	in	1/4	5/16	3/8	1/2	5/8	3/4	1	1.1/4	1.1/2	2
	mm	6,4	7,9	9,5	12,7	15,9	19	25	31,8	38,1	50,8
Min "A"	in	5	5	5	6	6	7	8	9	10	11
	mm	127	127	127	152	152	178	203	229	254	279

Length Tolerance for Hydraulic Hose Assemblies and Specified Hose Lengths

Length	Tolerance
For lengths from 0 up to and including 12” (305 mm)	± 1/8” ± 3 mm
For lengths ≥ 12” (305 mm) < 18” (457 mm)	± 3/16” ± 5 mm
For lengths ≥ 18” (457 mm) < 36” (914 mm)	± 1/4” ± 6 mm
For lengths ≥ 36” (914 mm) < 48” (1219 mm)	± 3/8” ± 10 mm
For lengths ≥ 48” (1219 mm) < 72” (1830 mm)	± 1/2” ±13 mm
For lengths ≥ 72” (1830 mm)	± 1%
Elbow angle and angle of orientation	Tolerance ±3

Angle Couplings

A - To measure angle of offset of a hose assembly, point one end of coupling “A” (the nearest) to a vertical position downward. The angle can then be measured from the centreline of this vertical coupling in an anticlockwise direction to the centreline of coupling “B” (the far coupling) (see illustration).
Relationships can then be expressed from 0° to 360°. If angle not given elbows are positioned at 0°.



// FITTINGS GUIDELINES

FITTING IDENTIFICATION

Dash numers

Most fluid piping system sizes are measured by dash numbers. These are universally used abbreviations for the size of component expressed as the numerator of the fraction with the denominator always being 16. For example, a -04 port is 4/16 or 1/4 inch. Dash numbers are usually nominal (in name only) and are abbreviations that make ordering of components easier.

There are many coupling systems used for hydraulic connections. They are identified as:
American, British, French, German, Japanese.
This section lists the origin and coupling style.
Descriptions and dimensional data follows each coupling style.

AMERICANT THREAD TYPES

NPTF (National Pipe Tapered Fuel)

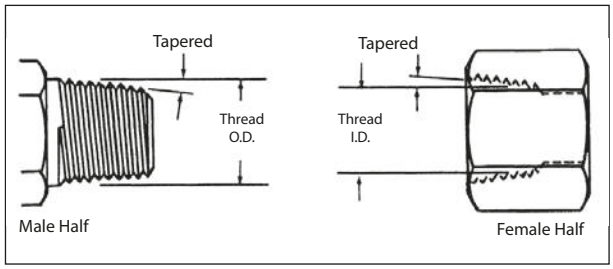
This is a dryseal thread, the National pipe tapered thread for fuels. This is used for both male and female ends. This connection is still widely used in fluid power systems, even through it is not recommended by the National Fluid Power Association (N.F.P.A.) for use in hydraulic applications.
The NPTF male will mate with the NPTF, NPSF or NPSM female.
The NPTF male has tapered threads and a 30° inverted seat. The NPTF female has tapered threads and no seat. The seal takes place by deformation of the threads. The NPSM female has straight threads and a 30° inverted seat. The seal takes place on the 30° seat.
The NPTF connector is similar to, but not interchangeable with, the BSPT connector. The thread pitch is different in most sizes. Also, the thread angle is 60° instead of the 55° angle found on BSPT threads.

NPSF (National Pipe Straight Thread for Fuels)

The National pipe straight thread for fuels. This is sometimes used for female ends and properly mates with the NPTF male end. However, the SAE recommends the NPTF thread in preference to the NPSF for female ends.

NPSM (National Pipe Straight Mechanical)

National pipe straight thread for mechanical joint. This is used on the female swivel nut of iron pipe swivel adapters. The leak-resistant joint is not made by the sealing fit of threads, but by a tapered seat in the coupling end. This connection is sometimes used in fluid power systems.

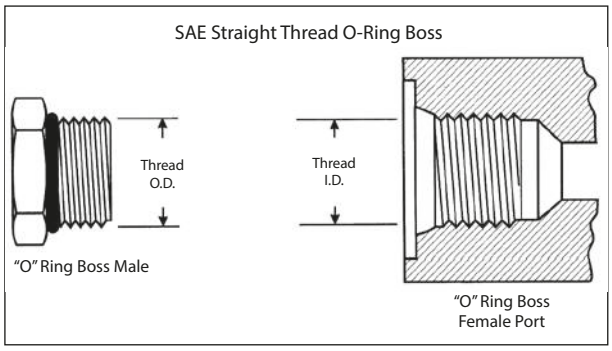


Thread Identification Table
National Pipe Straight Mechanical (NPSM)
National Pipe Tapered for Fuels (NPTF)

Tube Size	Tube Size	Thread Size	Female Thread I.D.		Male Thread O.D.	
Dash	(in)	(in-TPI)	(mm)	(in)	(mm)	(in)
-2	1/8	1/8-27	8.7	0.34	10.3	0.41
-4	1/4	1/4-18	11.9	0.47	14.3	0.56
-6	3/8	3/8-18	15.1	0.59	17.5	0.69
-8	1/2	1/2-14	18.3	0.72	21.4	0.84
-12	3/4	3/4-14	23.8	0.94	27.0	1.06
-16	1	1-11.1/2	30.2	1.19	33.3	1.31
-20	1.1/4	11/4-11.1/2	38.9	1.53	42.9	1.69
-24	1.1/2	11/2-11.1/2	44.5	1.75	48.4	1.91
-32	2	2 - 11.1/2	57.2	2.25	60.3	2.38

SAE J514 Straight Thread O-Ring Boss (ORB)

This port connection is recommended by the N.F.P.A. for optional leakage control in medium and high pressure hydraulic systems. The O'ring boss male will mate with an O'ring boss female only.



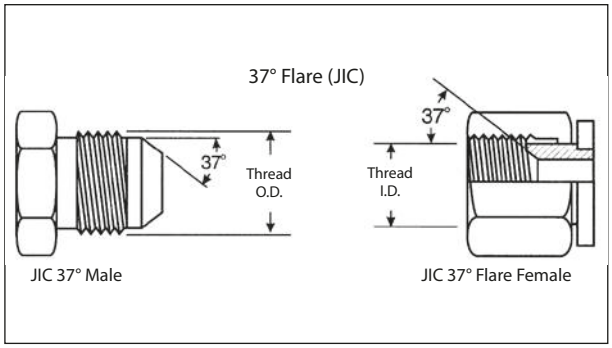
Thread Identification Table
SAE J514 Straight Thread O-Ring Boss

Tube Size	Tube Size	Thread Size	Female Thread I.D.		Male Thread O.D.	
Dash	(in)	(in-TPI)	(mm)	(in)	(mm)	(in)
-2	1/8	5/16-24	6.9	0.27	7.8	0.31
-3	3/16	3/8-24	8.5	0.34	9.4	0.37
-4	1/4	7/16-20	9.9	0.39	11.2	0.44
-5	5/16	1/2-20	11.5	0.45	12.6	0.49
-6	3/8	9/16-18	12.9	0.51	14.1	0.56
-8	1/2	3/4-16	17.5	0.69	18.9	0.74
-10	5/8	7/8-14	20.5	0.81	22.1	0.87
-12	3/4	1.1/16-12	24.9	0.98	26.9	1.06
-14	7/8	1.3/16-12	28.1	1.11	30.3	1.18
-16	1	1.5/161/2	31.3	1.23	33.1	1.31
-20	1.1/4	1.5/8-12	39.2	1.54	41.1	1.62
-24	1.1/2	1.7/8-12	45.6	1.79	47.4	1.87
-32	2	2.1/2-12	61.4	2.42	63.3	2.49

The male has straight threads and an O'ring. The female has straight threads and a sealing face. The seal is made at the O'ring on the male and the sealing face on the female.
The threads hold the connection mechanically.

SAE J514 37° (JIC)

The Society of Automotive Engineers (SAE) specifies a 37° angle flare or seat be used with high pressure hydraulic tubing. These are commonly called JIC couplings.
The JIC 37° flare male will mate with a JIC female only.
The JIC male has straight threads and a 37° flare seat.
The JIC female has straight threads and a 37° flare seat.
The seal is made on the 37° flare seat by establishing a line contact between the male flare and the female cone seat. The threads hold the connection mechanically.



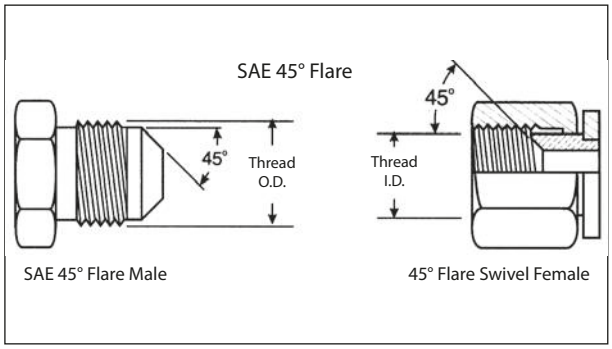
Thread Identification Table
SAE J514 37° Flare (JIC)

Tube Size	Tube Size	Thread Size	Female Thread I.D.		Male Thread O.D.	
Dash	(in)	(in-TPI)	(mm)	(in)	(mm)	(in)
-2	1/8	5/16-24	6.9	0.27	7.8	0.31
-3	3/16	3/8-24	8.5	0.34	9.4	0.37
-4	1/4	7/16-20	9.9	0.39	11.2	0.44
-5	5/16	1/2-20	11.5	0.45	12.6	0.49
-6	3/8	9/16-18	12.9	0.51	14.1	0.56
-8	1/2	3/4-16	17.5	0.69	18.9	0.74
-10	5/8	7/8-14	20.5	0.81	22.1	0.87
-12	3/4	1.1/16-12	24.9	0.98	26.9	1.06
-14	7/8	1.3/16-12	28.1	1.11	30.3	1.18
-16	1	1.5/16-12	31.3	1.23	33.1	1.31
-20	1.1/4	1.5/8-12	39.2	1.54	41.1	1.62
-24	1.1/2	1.7/8-12	45.6	1.79	47.4	1.87
-32	2	2.1/2-12	61.4	2.42	63.3	2.49

CAUTION: In the -02, -03, -04, -05, -08 and -10 sizes, the threads of the SAE 45° flare and the SAE 37° flare are the same. However, the sealing surface angles are not the same. Carefully measure the seat angle to differentiate.

SAE J512 45°

A term usually applied to fittings having a 45° angle flare or seat. Soft copper tubing is generally used in such applications as it is easily flared to the 45° angle. These are for low pressure applications - commonly used in refrigeration, automotive and truck piping systems. The SAE 45° flare male will mate with an SAE 45° flare female only.
The SAE male has straight threads and a 45° flare seat.
The SAE female has straight threads and a 45° flare seat.
The seal is made on the 45° flare seat.



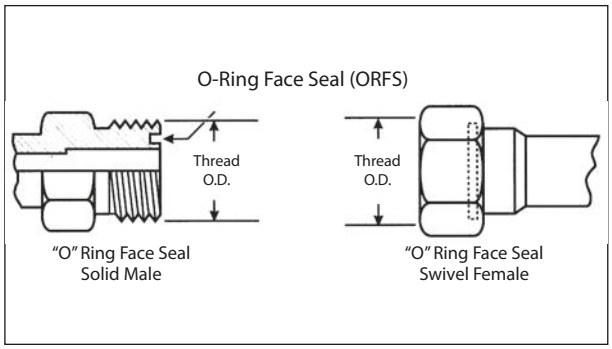
Thread Identification Table
SAE J512 45°

Tube Size	Tube Size	Thread Size	Female Thread I.D.		Male Thread O.D.	
Dash	(in)	(in-TPI)	(mm)	(in)	(mm)	(in)
-2	1/8	5/16-24	6.9	0.27	7.9	0.31
-3	3/16	3/8-24	8.6	0.34	9.6	0.38
-4	1/4	7/16-20	9.9	0.39	11.2	0.44
-5	5/16	1/2-20	11.4	0.45	12.7	0.50
-6	3/8	5/8-18	14.2	0.56	15.7	0.62
-7	7/16	11/16-16	15.7	0.62	17.3	0.68
-8	1/2	3/4-16	17.0	0.68	19.0	0.75
-10	5/8	7/8-14	20.3	0.80	22.3	0.88
-12	3/4	1.1/16-14	25.1	0.99	26.9	1.06
-14	7/8	1.1/4-12	29.5	1.16	31.7	1.25
-16	1	1.3/8-12	32.5	1.28	35.0	1.38

The threads hold the connection mechanically.
CAUTION: In the -02, -03, -04, -05, -08 and -10 sizes, the threads of the SAE 45° flare and the SAE 37° flare are the same. However, the sealing surface angles are not the same. Carefully measure the seat angle to differentiate.

SAE J1453 O-Ring Face Seal (ORFS)

A seal is made when the O'ring in the male contacts the flat face on the female. Couplings are intended for hydraulic systems where elastomeric seals are acceptable to overcome leakage and leak resistance is crucial. This connection offers the very best leakage control available today.



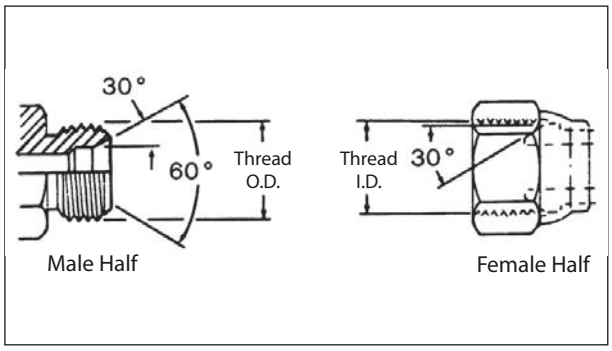
Thread Identification Table
SAE J1453 O-Ring Face Seal (ORFS)

Tube Size	Tube Size	Thread Size	Female Thread I.D.		Male Thread O.D.	
Dash	(in)	(in-TPI)	(mm)	(in)	(mm)	(in)
-4	1/4	9/16-18	12.9	0.51	14.1	0.56
-6	3/8	11/16-16	15.9	0.63	17.3	0.68
-8	1/2	13/16-16	19.1	0.75	20.5	0.81
-10	5/8	1-14	23.6	0.93	25.2	0.99
-12	3/4	1.3/16-12	28.1	1.11	30.0	1.18
-16	1	1.7/16-12	34.4	1.36	36.3	1.43
-20	1.1/4	1.11/16-12	40.8	1.61	42.7	1.68
-24	1.1/2	2-12	48.7	1.92	50.6	1.99

The male connector has a straight thread and a machined flat face. The female has a straight thread and a machined flat face. The seal takes place by compressing the O-Ring onto the flat face of the female, similar to the split flange type fitting. The threads hold the connection mechanically.

SAE J512 Inverted Flare

This connection is frequently used in automotive systems.The male connector can either be a 45° flare in the tube fitting form or a 42° seat in the machined adapter form. The female has a straight thread with a 42° inverted flare. The seal takes place on the flared surface. The threads hold the connection mechanically

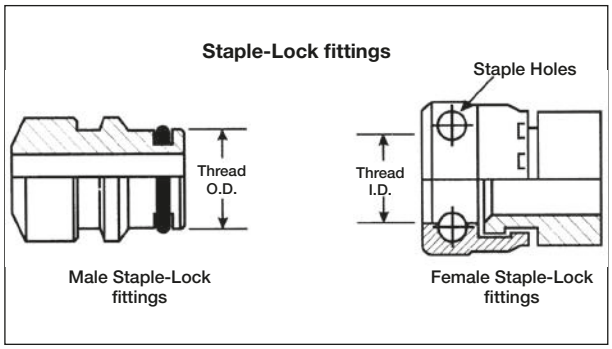


Thread Identification Table
SAE J512 Inverted Flare

Tube Size	Tube Size	Thread Size	Female Thread I.D.		Male Thread O.D.	
Dash	(in)	(in-TPI)	(mm)	(in)	(mm)	(in)
-2	1/8	5/16-28	6.9	0.27	7.9	0.31
-3	3/16	3/8-24	8.6	0.34	9.6	0.38
-4	1/4	7/16-24	9.9	0.39	11.2	0.44
-5	5/16	1/2-20	11.4	0.45	12.7	0.50
-6	3/8	5/8-18	14.2	0.56	15.7	0.62
-7	7/16	11/16-18	15.7	0.62	17.3	0.68
-8	1/2	3/4-18	17.0	0.68	19.0	0.75
-10	5/8	7/8-18	20.3	0.80	22.3	0.88
-12	3/4	1.1/16-16	25.1	0.99	26.9	1.06

SAE J1467 Clip Fastener

This is a radial O-Ring seal connection commonly used for hydraulic applications in underground mines. The male contains an exterior O-Ring and backup ring, plus a groove to accept the “staple”. The female has a smooth bore with two holes for the staple.



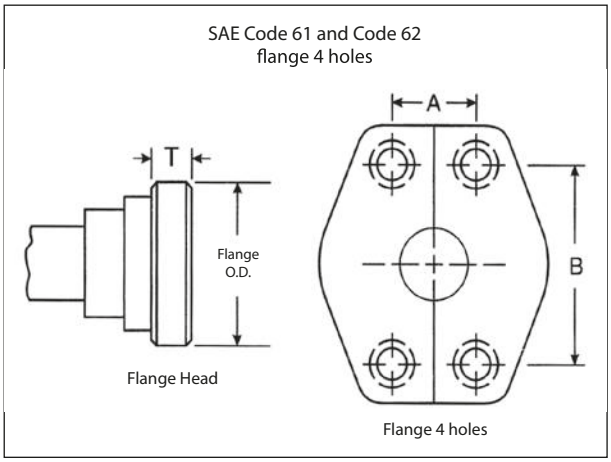
Thread Identification Table
SAE J1467 Clip Fastener

Dash Size	Inch Size	Female Staple-Lock I.D.		Male Staple-Lock O.D.	
	(in)	(mm)	(in)	(mm)	(in)
-4	1/4	14.9	19/32	15.1	19/32
-6	3/8	19.9	51/64	20.1	51/64
-8	1/2	23.9	61/64	24.1	61/64
-12	3/4	28.9	1.9/64	29.1	1.9/64
-16	1	38.9	1.35/64	39.1	1.35/64
-20	1.1/4	45.9	1.13/16	46.1	1.13/16
-24	1.1/2	54.9	1.11/64	55.2	2.11/64
-32	2	63.9	1.17/32	64.2	2.17/32

A “U” shaped retaining clip or staple is inserted through the two holes, passing through the groove in the male to lock the connection together. The seal takes place by contact between the O-Ring in the male and the smooth bore of the female.

SAE J518/ISO - DIS 6162/JIS B8363 O-Ring Flange

This connection is commonly used in fluid power system. There are two pressure ratings. Code 61 Form R, PN 35/350 bar, Type I, is referred to as the “standard” series and Code 62 Form S, PN 415 bar, Type II, is the “heavy duty“ “6000 psi” series. The design concept for both series is the same, but the bolt hole spacing and flanged head diameters are larger for the higher pressure, Code 62 connection.
The female (port) is an unthreaded hole with four bolt holes in a rectangular pattern around the port.
The male consists of a flanged head, grooved for an O-Ring, and either a captive flange or split flange halves with bolt holes to match the port. The seal take place on the O-Ring, which is compressed between the flange head and the flat surface surrounding the port. The threaded bolts hold the connection together.
SAE J518, DIN 20066, ISO/DIS 6162 and JIS B 8363 are interchangeable, except for bolt sizes.
*All Code 61 flange head hose couplings meet or exceed SAE J518 Code 61 requirements for hydraulic split flange connections. The Code 61 flange head design can withstand a maximum operating pressure of 3000 to 5000 psi depending on size.



Flange Dash	SAE Cod 61 FORM R - PN 35/350 - TYPE I								SAE Cod 62 FORM S - PN 415 - TYPE II								CATERPILLAR							
	Flange Head Size		Flange Head T		A		B		Flange Head Size		Flange Head T		A		B		Flange Head Size		Flange Head T		A		B	
Size	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
-8	1.19	30.2	.265	6.7	.69	17.5	1.50	38.1	1.25	31.8	.305		.71	18.2	1.59	40.5								
-10*	1.34	34.0	.265	6.7	.78	19.8	1.69	42.9																
-12	1.50	38.1	.265	6.7	.87	22.2	1.89	47.6	1.63	41.3	.345	8.7	.94	23.8	2.00	50.8	1.63	41.3	.56	14.2	.94	23.8	2.00	50.8
-16	1.75	44.5	.315	8.0	1.03	26.2	2.05	52.4	1.88	47.6	.375	9.5	1.10	27.8	2.25	57.2	1.88	47.6	.56	14.2	1.10	27.8	2.25	57.2
-20	2.00	50.8	.315	8.0	1.19	30.2	2.31	58.7	2.13	54.0	.405	10.3	1.26	31.8	2.63	66.7	2.13	54.0	.56	14.2	1.26	31.8	2.63	66.7
-24	2.38	60.3	.315	8.0	1.41	35.7	2.75	69.9	2.50	63.5	.495	12.6	1.44	36.6	3.13	79.4	2.50	63.5	.56	14.2	1.44	36.6	3.13	79.4
-32	2.81	71.4	.375	9.5	1.69	42.9	3.06	77.8	3.13	79.4	.495	12.6	1.73	44.4	3.81	96.8	3.13	79.4	.56	14.2	1.73	44.4	3.81	96.8
-40	3.31	84.1	.375	9.5	2.00	50.8	3.50	88.9																

T = Thickness
-10 is a non SAE size flange

How to measure

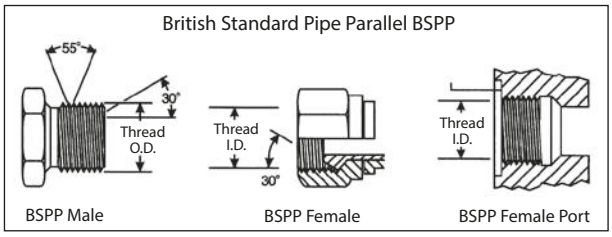
Four Bolt Flange - First measure the port hole diameter using the caliper. Next, measure the longest bolt hole spacing from centre-to-centre (Dimension “A”) or measure the flanged head diameter. O.D.

1. The size -10, which is common outside of North America is not an SAE Standard size.
2. Caterpillar flanges, which are the same flange O.D. as SAE Code 62, have a thicker flange head.
3. Poclain flanges, which are completely different from SAE flanges.

BRITISH CONNECTIONS

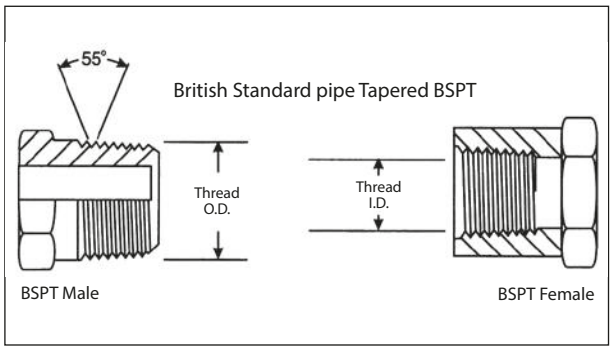
British Standard Pipe Parallel (BSPP)

Popular couplings British Standard Pipe (BSP) threads, also known as Whitworth threads.
The BSPP (parallel) male will mate with a BSPP (parallel) female or a female port.
The BSPP male has straight threads and a 30° seat.
The BSPP female has straight threads and a 30° seat.
The female port has straight threads and a spotface. The seal on the port is made with an O-Ring or soft metal washer on the male. The BSPP (parallel) connector is similar to, but not interchangeable with, the NPSM connector. The thread pitch is different in most sizes, and the thread angle is 55° instead of the 60° angle found on NPSM threads. The female swivel BSPP has a tapered nose which seals on the cone seat of the male.



British Standard Pipe Tapered (BSPT)

The BSPT (tapered) male will mate with a BSPT (tapered) female, or a BSPP (parallel) female. The BSPT male has tapered threads. When mating with either the BSPT (tapered) female or the BSPP (parallel) female port, the seal is made on the threads accomplished by thread distortion. A thread sealant is recommended.
The BSPT connector is similar to, but not interchangeable with, the NPTF connector. The thread pitch is different in most cases, and the thread angle is 55° instead of the 60° angle found on NPTF threads.



Thread Identification Table
BSPP - (British Standard Pipe Parallel)
BSPT - (British Standard Pipe Tapared)

Dash Size	Inch Size	Thread Size	Female Thread I.D.		Male Thread O.D.	
	(in)	(in-TPI)	(mm)	(in)	(mm)	(in)
-2	1/8	1/8-27	8.7	0.34	9.5	0.38
-4	1/4	1/4-18	11.1	0.44	13.5	0.56
-6	3/8	3/8-18	15.1	0.59	16.7	0.66
-8	1/2	1/2-14	18.3	0.72	20.6	0.81
-10	5/8	5/8-14	20.6	0.81	23.0	0.91
-12	3/4	3/4-14	23.8	0.94	26.2	1.03
-16	1	1-11	30.2	1.19	33.3	1.31
-20	1-1/4	1.1/4-11	38.9	1.53	41.1	1.66
-24	1-1/2	1.1/2-11	45.2	1.78	47.6	1.88
-32	2	2-11	56.4	2.22	59.5	2.34

FRENCH CONNECTIONS

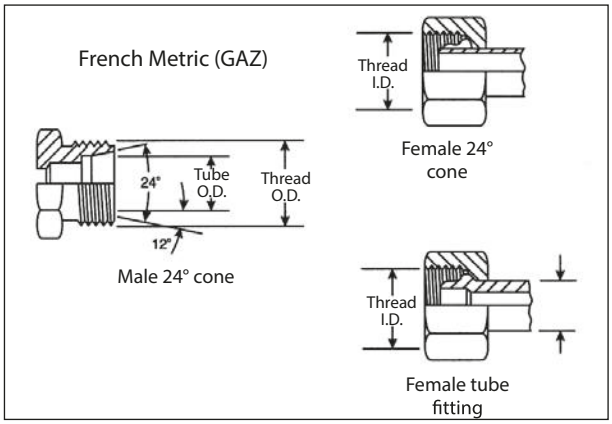
French GAZ have a 24° seat and metric threads. These are similar to German DIN couplings, but the threads are different in some sizes, the French use fine threads in all sizes. French flanges are different than SAE, they have a lip that protrudes from the flange face. These are Poclain style flanges.

Millimetrique and GAZ 24°

This connection consists of a common male and two different females. The French Metric (GAZ) male will mate with the female 24°cone or the female tube fitting. The male has a 24° seat and straight metric threads. The female has a 24° seat or a tubing sleeve and straight metric threads. The Millimetrique Series is used with whole number metric O.D. tubing and the GAZ Series is used with fractional number metric O.D. pipe size tubing.

Thread Identification Table
French Metric Millimetrique

Metric Thread	Female Thread I.D.		Male Thread O.D.		Tube O.D.	
M12 X 1.0	11.0	0.43	12.0	0.47	6	0.24
M14 X 1.5	12.5	0.49	14.0	0.55	8	0.31
M16 X 1.5	14.5	0.57	16.0	0.63	10	0.39
M18 X 1.5	16.5	0.65	18.0	0.71	12	0.47
M20 X 1.5	18.5	0.73	20.0	0.79	14	0.55
M22 X 1.5	20.5	0.81	22.0	0.87	15	0.59
M24 X 1.5	22.5	0.89	24.0	0.94	16	0.63
M27 X 1.5	25.5	1.00	27.0	1.06	18	0.71
M30 X 1.5	28.5	1.12	30.0	1.18	22	0.87
M33 X 1.5	31.5	1.24	33.0	1.30	25	0.98
M36 X 1.5	34.5	1.36	36.0	1.42	28	1.10
M39 X 1.5	37.5	1.48	39.0	1.54	30	1.18
M42 X 1.5	40.5	1.59	42.0	1.65	32	1.26
M45 X 1.5	43.5	1.71	45.0	1.77	35	1.38
M48 X 1.5	46.5	1.83	48.0	1.89	38	1.50
M52 X 1.5	50.5	1.99	52.0	2.05	40	1.57
M54 X 2.0	51.9	2.04	54.0	2.13	45	1.77



Thread Identification Table
French Metric GAZ 24° Cone

Dash Size	Metric Thread	Female Thread I.D.		Male Thread O.D.		Tube O.D.	
(dash)	(dia x pitch)	(mm)	(in)	(mm)	(in)	(mm)	(in)
-6	M20 X 1.5	18.5	0.73	20.0	0.78	13.25	0.52
-8	M24 X 1.5	22.5	0.89	24.0	0.94	16.75	0.66
-10	M30 X 1.5	28.5	1.12	30.0	1.18	21.25	0.83
-12	M36 X 1.5	34.5	1.36	36.0	1.41	26.75	1.05
-16	M45 X 1.5	43.5	1.71	45.0	1.77	33.50	1.32
-20	M52 X 1.5	50.5	1.99	52.0	2.04	42.25	1.66

GAZ Poclain 24° Flange

The Poclain (French GAZ) 24° high pressure flange is usually found on Poclain equipment. The male flange will mate with a female flange or a port. The seal is made on the 24° seat.

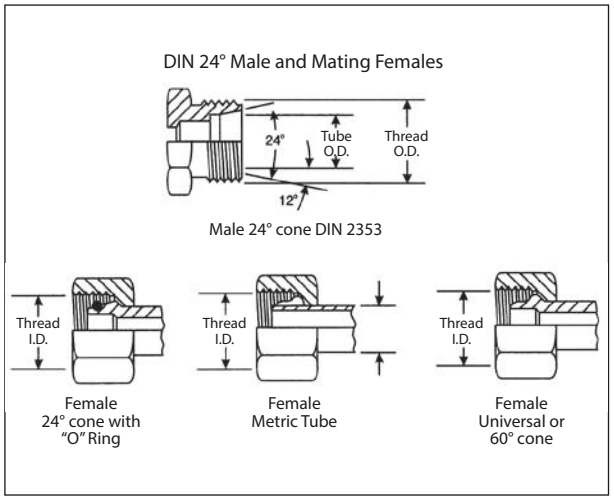
Nominal	A		B		E	
Size (in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
1/2	39.9	1.57	18.3	.72	14	.55
5/8	39.9	1.57	18.3	.72	14	.55
3/4	50.8	2	23.9	.94	18	.71

GERMAN DIN CONNECTIONS

A coupling referred to as metric, usually means a DIN coupling. Flanges are standard Code 61 or Code 62.

DIN 2353 24° Cone

The DIN 24° cone male will mate with any of the three females shown below.
The male has a 24° seat, straight metric threads, and a recessed counterbore which matches the tube O.D. used with it. The mating female may be a 24° cone with O'ring, (DKO type) a metric tube fitting or a universal 24° or 60° cone.



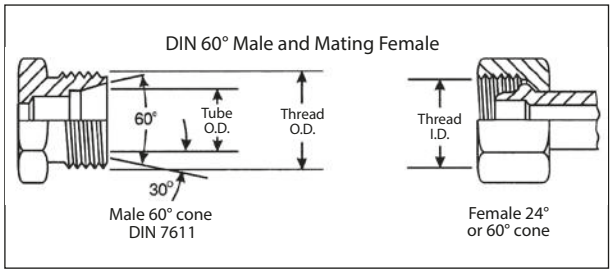
Thread Identification Table
DIN 24° Cone

Metric	Female Thread I.D.		Male Thread		Tube O.D.			
Thread	I.D.		O.D.		Light Series		Heavy Series	
(dia x pitch)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
M12 X 1.5	10.5	0.41	12	0.47	6	0.24		
M14 X 1.5	12.5	0.49	14	0.55	8	0.31	6	0.24
M16 X 1.5	14.5	0.57	16	0.63	10	0.39	8	0.31
M18 X 1.5	16.5	0.65	18	0.71	12	0.47	10	0.39
M20 X 1.5	18.5	0.73	20	0.79			12	0.47
M22 X 1.5	20.5	0.81	22	0.87	15	0.59	14	0.55
M24 X 1.5	22.5	0.89	24	0.94			16	0.63
M26 X 1.5	24.5	0.96	26	1.02	18	0.71		
M30 X 2.0	27.9	1.10	30	1.18	22	0.87	20	0.79
M36 X 2.0	33.9	1.33	36	1.42	28	1.10	25	0.98
M42 X 2.0	39.9	1.57	42	1.65			30	1.18
M45 X 2.0	42.9	1.69	45	1.77	35	1.38		
M52 X 2.0	49.9	1.96	52	2.05	42	1.65	38	1.50

There is a light and heavy series DIN coupling.
Proper identification is made by measuring both the thread size and the tube O.D. (The heavy series has a smaller tube O.D. than the light, but has a thicker wall section).

DIN 3863 60° Cone

This connection is frequently used in hydraulic systems.
The DIN 60° cone male will mate with the female universal 24° or 60° cone only.
The male has a 60° seat and straight metric threads. The female has a 24° and 60° universal seat and straight metric threads. The seal takes place by contact between the cone of the male and the nose of the flareless swivel.
The threads hold the connection mechanically.

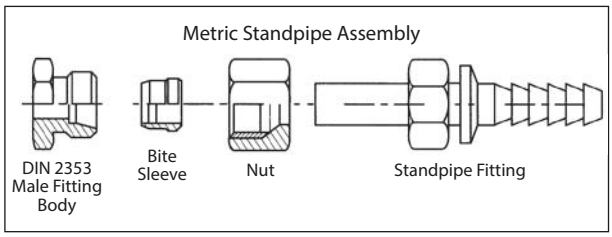


Thread Identification Table
DIN 60°

Metric Thread	Female Thread I.D.		Male Thread O.D.		Tube O.D.	
(dia x pitch)	(mm)	(in)	(mm)	(in)	(mm)	(in)
M12 X 1.5	10.5	0.41	12	0.47	6	0.24
M14 X 1.5	12.5	0.49	14	0.55	8	0.31
M16 X 1.5	14.5	0.57	16	0.63	10	0.39
M18 X 1.5	16.5	0.65	18	0.71	12	0.47
M22 X 1.5	20.5	0.81	22	0.87	15	0.59
M26 X 1.5	24.5	0.96	26	1.02	18	0.71
M30 X 1.5	28.5	1.12	30	1.18	22	0.87
M38 X 1.5	36.5	1.44	38	1.50	28	1.10
M45 X 1.5	43.5	1.71	45	1.77	35	1.38
M52 X 1.5	50.5	1.99	52	2.05	42	1.65

Metric Standpipe

A metric standpipe is comprised of three components attached to a male fitting. The components are a Standpipe, Bite Sleeve and Metric Nut. The nut is placed over the Standpipe, followed by the Bite Sleeve (see illustration below). For DIN light assemblies, a DIN light metric nut is used. For DIN heavy assemblies, a DIN heavy metric nut is used. Bite Sleeve and Standpipe are selected on the basis of tube O.D.



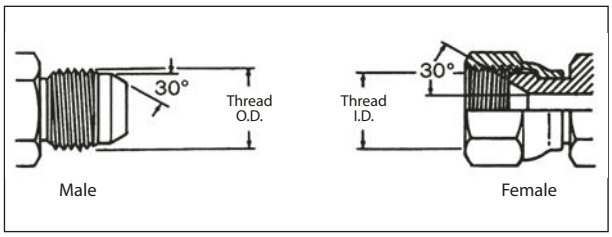
Tube O.D.	Metric Nut Thread	
(mm)	Light	Heavy
6	M12 x 1.5	
8	M14 x 1.5	M16 x 1.5
10	M16 x 1.5	M18 x 1.5
12	M18 x 1.5	M20 x 1.5
15	M22 x 1.5	
16		M24 x 1.5
18	M26 x 1.5	
20		M30 x 2.0
22	M30 x 1.5	
25		M36 x 2.0
28	M36 x 2.0	
30		M42 x 2.0
35	M45 x 2.0	
38		M52 x 2.0
42	M52 x 2.0	

JAPANESE CONNECTIONS

Japanese equipment uses JIS (Japanese Industrial Standard) couplings with a 30° seat and British Standard Pipe Parallel threads. All flanges are Code 61 or Code 62 (except -10).

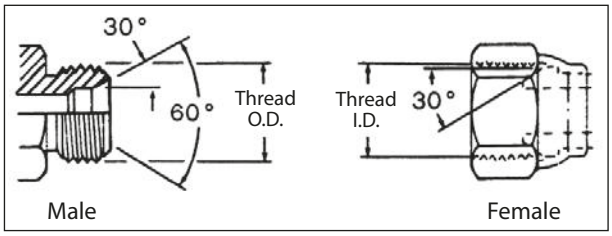
JIS 30° Flare Parallel Pipe Threads - JIS B 0202

These Japanese 30° flare male coupling will mate with a Japanese 30° flare female only. The male and female have straight threads and a 30° seat. The seal is made on the 30° seat. The threads on the Japanese 30° flare connector conform to JIS B 0202, the same as the BSPP threads. Both the British and Japanese connectors have a 30° seat, but they are not interchangeable, because the British seat is inverted.



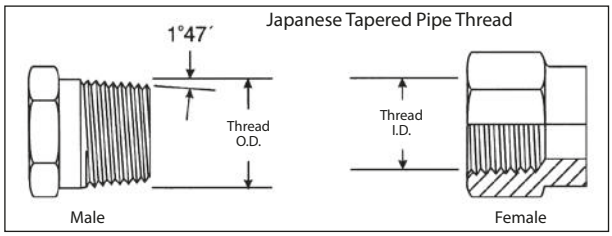
JIS 30° Inverted Seat, Parallel Pipe Threads - JIS B 0202

The JIS parallel is similar to the BSPP connection. The JIS parallel thread and the BSPP connection are interchangeable.



JIS Tapered Pipe Thread (PT) - JIS B 0203

The JIS tapered pipe thread connection is similar to the BSPT connection and fully interchangeable. The Japanese connection does not have a 30° Flare, and will not mate with the BSPP female. The thread conforms to JIS B 0203, same as BSPT threads. The seal on the JIS tapered pipe thread connection is made on the threads.

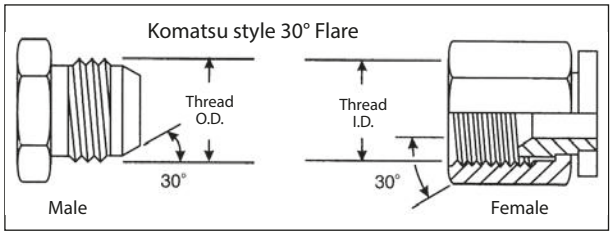


Thread Identification Table

Dash Size	Inch Size	Thread Size	Female Thread I.D.		Male Thread O.D.	
		(in-TPI)	(mm)	(in)	(mm)	(in)
-2	1/8	1/8-27	8.7	0.34	9.5	0.38
-4	1/4	1/4-18	11.1	0.44	13.5	0.56
-6	3/8	3/8-18	15.1	0.59	16.7	0.66
-8	1/2	1/2-14	18.3	0.72	20.6	0.81
-10	5/8	5/8-14	20.6	0.81	23.0	0.91
-12	3/4	3/4-14	23.8	0.94	26.2	1.03
-16	1	1-11	30.2	1.19	33.3	1.31
-20	1-1/4	1.1/4-11	38.9	1.53	41.1	1.66
-24	1-1/2	1.1/2-11	45.2	1.78	47.6	1.88
-32	2	2-11	56.4	2.22	59.5	2.34

Komatsu Style 30° Flare Parallel Threads

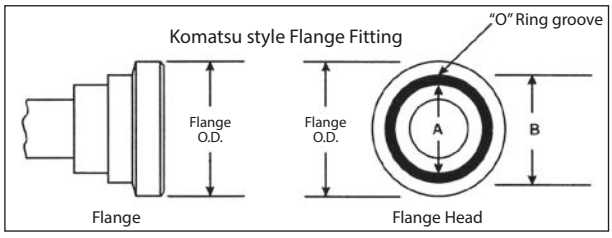
The Komatsu style 30° Flare Parallel thread coupling is identical to the Japanese 30° Flare parallel except for the threads. The Komatsu uses Metric fine threads which conform to JIS B 0207. The Komatsu connector seals on the 30° Flare.



Dash Size	Inch Size	Metrich Thread	Male Thread O.D.	B Thread I.D:
		Size	(mm)	(mm)
-6	3/8	M18x1.5	18	16.4
-8	1/2	M22x1.5	22	20.4
-10	5/8	M24x1.5	24	22.4
-12	3/4	M30x1.5	30	28.4
-16	1	M33x1.5	33	31.4
-20	1-1/4	M36x1.5	36	34.4
-24	1-1/2	M42x1.5	42	40.4

Komatsu Flange Fitting

The Komatsu Flange fitting is nearly identical to and fully interchangeable with the SAE Code 61 flange fitting. In all sizes the O-ring dimensions are different. When replacing a Komatsu flange with an SAE style flange, an SAE style O-ring must be used.



Flange Dash	Flange Size	A	B
Size	(In)		
-8	1.19	.73	.98
-10*	1.34	.73	1.10
-12	1.50	.85	1.22
-16	1.75	1.12	1.50
-20	2.00	1.36	1.73
-24	2.38	1.75	2.12
-32	2.81	2.22	2.56

*is a non SAE size flange

RACOMMENDED FITTING AND ADAPTER INSTALLATION TORQUE

SAE J514 37° CONE (JIC)

Dash	Thread	Lb.ft		N.m	
		Min	Max	Min	Max
-4	7/16-20	11	12	15	16
-5	1/2-20	14	15	19	21
-6	9/16-18	18	20	24	28
-8	3/4-16	36	39	49	53
-10	7/8-14	57	63	77	85
-12	1 1/16-12	79	88	107	119
-14	1 3/16-12	94	103	127	140
-16	1 5/16-12	108	113	147	154
-20	1 5/8-12	127	133	172	181
-24	1/78-12	158	167	215	226
-32	2 1/2-12	245	258	332	350

BSPP without O-Ring

Dash	Thread	Lb.ft	N.m
-2	1/8-28	7	10
-4	1/4-19	15	20
-6	3/8-19	26	35
-8	1/2-14	44	60
-10	5/8-14	52	70
-12	3/4-14	85	115
-16	1-11	103	140
-20	1 1/4-11	155	210
-24	1 1/2-11	214	290
-32	2-11	295	400

SAE J1453 O-Ring Face Seal (ORFS)

Dash	Thread	Lb.ft		N.m	
		Min	Max	Min	Max
-4	9/16-18	18	21	25	28
-6	11/16-16	30	32	40	44
-8	13/16-16	41	44	55	60
-10	1-14	46	50	60	68
-12	1 3/16-12	65	70	90	95
-16	1 7/16-12	92	100	125	135
-20	1 11/16-12	125	140	170	190
-24	2-12	150	165	200	225

BSPP with O-Ring

Dash	Thread	Lb.ft	N.m
-2	1/8-28	N/A	N/A
-4	1/4-19	15	20
-6	3/8-19	26	35
-8	1/2-14	37	50
-10	5/8-14	44	60
-12	3/4-14	63	85
-16	1-11	85	115
-20	1 1/4-11	140	190
-24	1 1/2-11	177	240
-32	2-11	221	300

SAE Flange J518 Code 61

Dash	Thread	Lb.ft		N.m	
		Min	Max	Min	Max
-8	1/2	15	19	20	25
-12	3/4	21	29	28	40
-16	1	27	35	37	48
-20	1 1/4	35	46	48	62
-24	1 1/2	46	58	62	79
-32	2	54	66	73	90
-40	2 1/2	79	91	107	124
-48	3	137	149	186	203

JIS (B8363)

Dash	Thread	Lb.ft	N.m
-4	1/4-19	19	25
-6	3/8-19	25	34
-8	1/2-14	49	64
-10	5/8-14	100	132
-12	3/4-14	100	132
-16	1-11	149	196
-20	1 1/4-11	171	225
-24	1 1/2-11	194	255
-32	2-11	240	316

SAE J518 Code 62

Dash	Thread	Lb.ft		N.m	
		Min	Max	Min	Max
-8	1/2	15	19	20	25
-12	3/4	25	33	34	45
-16	1	42	50	56	68
-20	1 1/4	63	75	85	102
-24	1 1/2	117	133	158	181
-32**	2	200	217	271	294

Metric

Thread	Lb.ft		N.m	
	Min	Max	Min	Max
M12x1,5	8	11	15	20
M14x1,5	13	18	25	30
M16x1,5	19	26	35	40
M18x1,5	22	30	40	45
M20x1,5	24	33	45	50
M22x1,5	32	44	60	70
M24x1,5	41	55	75	85
M26x1,5	46	63	85	95
M30x2	57	77	105	120
M36x2	74	100	135	150
M42x2	111	151	205	230
M45x2	136	184	250	280
M52x2	147	199	270	300

JIC FFFT TORQUE METHOD

The FFFT (Flats From Finger Tight) method allows to assemble fittings and adapters at the correct torque value without a dynamometric wrench. The rotation applied according the value shown in tab.1 ensures a good sealing, avoid unscrewing and over torque that can cause nut or cone crack.

Assembling instruction:

- hand tighten the joint
- make a longitudinal mark on one of the flats of hex and continue it on the body hex as shown in Fig.1
- tighten the joint further by the number of flat as shown in Tab.1

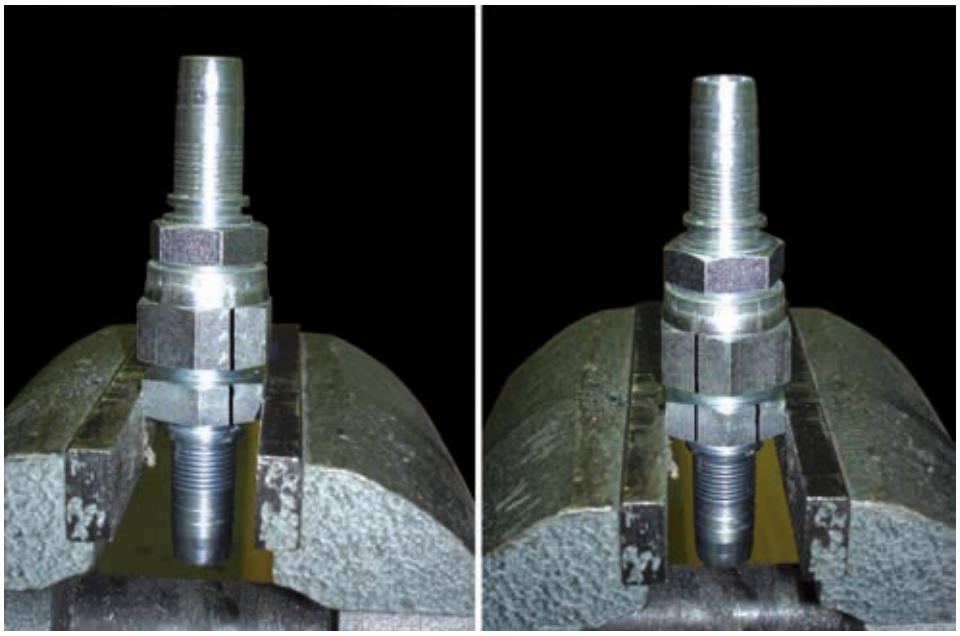


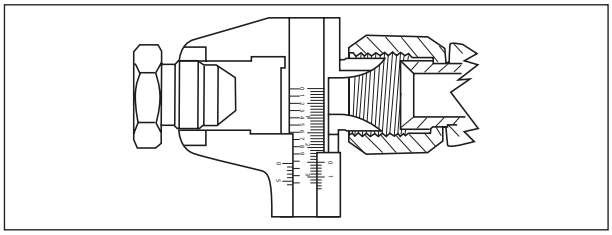
Fig. 1

Assembling value - carbon steel material - SAE J514 JIC 37° flare						
Dash size	Thread	Lb*ft		N*m		FFFT
		min	max	min	max	0/+0.25
-4	7/16-20	11	12	15	16	2
-5	1/2-20	14	15	19	21	2
-6	9/16-18	18	20	24	28	2
-8	3/4-16	36	39	49	53	1.5
-10	7/8-14	57	63	77	85	1.5
-12	1 1/16-12	79	88	107	119	1
-14	1 3/16-12	94	103	127	140	1
-16	1 5/16-12	108	113	147	154	1
-20	1 5/8-12	127	133	172	181	1
-24	1/78-12	158	167	215	226	1
-32	2 1/2-12	245	258	332	350	1

Tab. 1

HOW TO DETERMINE THE THREAD TYPE USING CALLIPERS

By measuring with a caliper the outside diameter of the thread of a male or the inside diameter of the thread of a female you will get a measure in mm. By finding this value in mm on the below table, you'll be able to find the relevant thread type.



Male OD	mm	Female ID
	8,7	G1/8" BSP
1/8" – 27 NPTF	9,5	
G1/8" BSP	9,6	
M 10 x 1	9,8	
	9,9	7/16" – 20 JIC
	10,5	M 12 x 1,5
7/16" – 20 JIC	11,0	
	11,4	1/2" – 20 SAE
	11,6	G1/4" BSP
M 12 x 1,5	11,9	
1/4" – 18 NPTF	12,5	
	12,5	M 14 x 1,5
1/2" – 20 SAE	12,6	
	12,9	9/16" – 18 JIC
G1/4" BSP	13,0	
M 14 x 1,5	13,9	
9/16" – 18 JIC	14,2	
	14,5	M16 x 1,5
	15,1	G3/8" BSP
M 16 x 1,5	15,8	
3/8" – 18 NPTF	15,9	
	16,5	M18 x 1,5
G3/8" BSP	16,6	
	17,5	3/4" – 16 JIC
M 18 x 1,5	17,9	
	18,4	20 x 1,5 DKF
3/4" – 16 JIC	18,8	
	18,8	G1/2" BSP
1/2" – 14 NPT	19,8	
20 x 1,5 CEF	19,9	
	20,4	7/8" – 14 SAE
	20,5	M 22 x 1,5
G1/2" BSP	20,8	
	20,9	G5/8" BSP
M 22 x 1,5	21,9	
7/8" – 14 SAE	22,1	
	22,5	24 x 1,5 DKF
G5/8" BSP	22,8	
24 x 1,5 CEF	23,9	
	24,5	G3/4" BSP
	24,8	1 1/16" – 12 JIC
3/4" – 14 NPTF	25,1	
	25,5	M26 x 1,5
M 26 x 1,5	25,9	
G3/4" BSP	26,3	
1 1/16" – 12 JIC	26,8	

Male OD	mm	Female ID
	27,9	1 3/16" – 12 JIC
	28,0	M 30 x 2
	28,5	30 x 1,5 DKF
M 30 x2	29,8	
30 x 1,5 CEF	29,9	
1 3/16" – 12 JIC	30,1	
	30,7	G1" BSP
	31,2	1 5/16" – 12 JIC
1" – 11 1/2 NPTF	31,4	
	31,5	M 33 x 1,5
G1" BSP	33,1	
1 5/16" – 12 JIC	33,2	
	34,0	M 36 x 2
	34,5	36 x 1,5 DKF
M 36 x 2	35,8	
36 x 1,5 CEF	35,9	
	36,5	M 36 x 1,5
M 38 x 1,5	37,9	
	38,8	1 5/8" – 12 JIC
	39,4	G1 1/4" BSP
	39,8	M 42 x 1,5
1 1/4"–11 1/2 NPTF	40,2	
	40,5	M 42 x 1,5
1 5/8" – 12 JIC	41,1	
1 1/4" – 11 BSP	41,7	
M 42 x2	41,8	
	42,4	M 45 x 2
	43,3	45 x 1,5 DKF
M 45 x2	44,8	
45 x 1,5 CEF	44,9	
	45,1	1 7/8" – 12 JIC
	45,2	G1 1/2" BSP
1 1/2"–11 1/2 NPTF	46,3	
1 7/8" – 12 JIC	47,5	
G1 1/2" BSP	47,7	
	49,6	M 52 x 2
	50,3	52 x 1,5 DKF
M 52 x2	51,8	
52 x 1,5 CEF	51,9	
	57,4	G2" BSP
2" – 11 1/2 NPTF	58,3	
G2" BSP	59,4	
	61,1	2 1/2" – 12 JIC
	62,5	M 65 x 2
2 1/2" – 12 JIC	63,3	

PRESSURE CONVERSION TABLES

Metric to psi (1 KPa = .145 psi)

Kilo Pascal (KPa)	Mega Pascal (KPa)	Bar (Bar)	Pounds per Square Inch (psi)
100	0,1	1	14,5
200	0,2	2	29,0
300	0,3	3	43,5
400	0,4	4	58,0
500	0,5	5	72,5
600	0,6	6	87,0
700	0,7	7	101,5
800	0,8	8	116,0
900	0,9	9	130,5
1000	1	10	145,0
2000	2	20	290,1
3000	3	30	435,1
4000	4	40	580,2
5000	5	50	725,5
6000	6	60	870,2
7000	7	70	1015
8000	8	80	1160
9000	9	90	1305
10000	10	100	1450
20000	20	200	2901
30000	30	300	4351
40000	40	400	5802
50000	50	500	7252
60000	60	600	8702
70000	70	700	10153
80000	80	800	11603
90000	90	900	13053
100000	100	1000	14504
200000	200	2000	29008
300000	300	3000	43511

psi to metric (1 psi = 6,89 KPa)

Pounds per Square Inch (psi)	Kilo Pascal (KPa)	Mega Pascal (MPa)	Bar (Bar)
10	68,9	0,07	0,7
20	137,9	0,14	1,4
30	206,8	0,21	2,1
40	275,8	0,28	2,8
50	344,7	0,34	3,4
60	413,7	0,41	4,1
70	482,6	0,48	4,8
80	551,6	0,55	5,5
90	620,5	0,62	6,2
100	689	0,70	6,9
200	1379	1,4	13,8
300	2068	2,1	20,7
400	2758	2,8	27,6
500	3447	3,4	34,5
600	4137	4,1	41,4
700	4826	4,8	48,3
800	5516	5,5	55,2
900	6205	6,2	62,1
1000	6895	6,9	68,9
2000	13790	13,8	147,9
3000	20684	20,7	206,8
4000	27579	27,6	275,8
5000	34474	34,5	344,7
6000	41369	41,4	413,7
7000	48263	48,3	482,6
8000	55158	55,2	551,6
9000	62053	62,1	620,5
10000	68948	68,9	689
20000	137895	147,9	1379
30000	206843	206,8	2068
40000	275790	275,8	2758

CONVERSION TABLES FROM IMPERIAL SYSTEM TO METRIC SYSTEM

Inches		mm
1/64	.0156	.397
1/32	.0312	.794
3/64	.0468	1.191
1/16	.0625	1.588
5/64	.0781	2.381
3/32	.0937	2.381
7/64	.1093	2.778
1/8	.1250	3.175
9/64	.1406	3.572
5/32	.1562	3.969
11/64	.1718	4.366
3/16	.1875	4.763
13/64	.2087	5.159
7/32	.2187	5.556
15/64	.2343	5.963
1/4	.2500	6.350

Inches		mm
17/64	.2656	6.747
9/32	.2812	7.144
19/64	.2968	7.541
15/16	.3125	7.938
21/64	.3281	8.334
11/32	.3437	8.731
23/64	.3593	9.128
3/8	.3750	9.525
25/64	.3906	9.922
13/32	.4062	10.319
27/64	.4218	10.716
7/16	.4375	11.113
29/64	.4531	11.509
15/32	.4687	11.906
31/64	.4843	12.303
1/2	.5000	12.700

Inches		mm
33/64	.5156	13.097
17/32	.5312	13.494
35/64	.5468	13.891
9/16	.5625	14.288
37/64	.5781	14.684
19/32	.5937	15.081
39/64	.6093	15.478
5/8	.6250	15.875
41/64	.6406	16.272
21/32	.6562	16.669
43/64	.6718	17.066
11/16	.6875	17.463
45/64	.7031	17.859
23/32	.7187	18.256
47/64	.7343	18.653
3/4	.7500	19.050

Inches		mm
49/64	.7656	19.447
25/32	.7812	19.844
51/64	.7968	20.241
13/16	.8125	20.638
53/64	.8281	21.034
27/32	.8437	21.431
55/64	.8593	21.828
7/8	.8750	22.225
57/64	.8906	22.622
29/32	.9062	23.019
59/64	.9218	23.416
15/16	.9375	23.813
61/64	.9531	24.209
31/32	.9687	24.606
63/64	.9843	25.003
1	1000	25.400

// ADAPTERS GUIDELINES

ADAPTER SELECTION

Selection of an appropriate ALFAGOMMA adapter for a given application depends on the fluid system operating parameters listed below and the tube material and wall thickness they require:

1. Type of fluid
2. Operating temperature range
3. Type of line - pressure, return or suction
4. Maximum flow rate through the line
5. Maximum operating / service pressure
6. Severity of service
7. Environment

Then, based on the tube selected and appropriate fluid system operating parameters, determine adapter type(s) and material(s) using the features comparison table below.

FEATURES COMPARISON OF TUBE FITTINGS

Feature		ORFS	JIC 37°	BSP
Performance	Pressure capability*	Very High	Medium to High	Medium to High
	Seal Reliability	Excellent	Good	Very Good
		Elastomeric Seal	Metal to Metal Seal	Elastomeric Seal
		High tolerance to minor surface imperfections and damage. High tolerance to assembly variations.	Low tolerance to minor surface imperfections and damage. Low tolerance to assembly variations.	Low tolerance to minor surface imperfections and damage. Low tolerance to assembly variations.
	Vibration Resistance in Rigid Systems	Excellent	Good	Very Good
Tube Compatibility	Wall Thickness	All	Medium	Medium
	Critical Features	OD tolerance and hardness for flat tube, OD tolerance only for brazed tube	ID finish, wall thickness uniformity (concentricity) and hardness	OD tolerance and hardness
Assembly	Tube Preparation	Easy and quick (slower for sleeve brazing)	Easy and quick	Easy and quick (slower for welded nipple)
	Inspection	Easy and quick	Easy and quick	Critical, need experience
	Ease of Installation	Excellent, Minimum skill and training are necessary because of high tolerances to assembly variations	Good. Low tolerance to assembly variations. Requires skilled and trained personnel	
	Ease of Maintenance	Excellent, no tube entry	Very Good, Small tube entry	Good, Large tube entry
Temperature Capability Adapters without O-Ring	Steel	To be used only with O-ring	-65° F to 500° F	-65° F to 500° F
	Stainless Steel		-425° F to 1200° F	==
	Brass		-40° F to 400° F	= =
Temperature Capability Adapters witht O-Ring**	All Style of Adapter	-30 F to 250° F	-30 F to 250° F	-30 F to 250° F

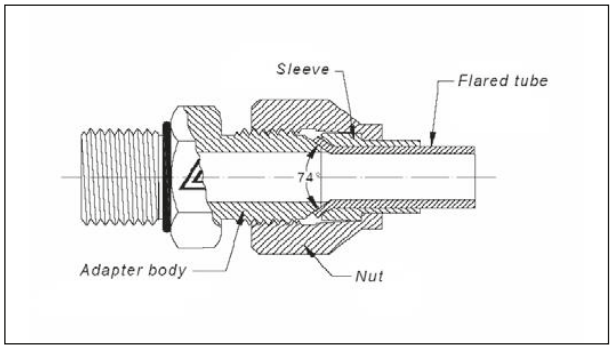
* For details see Working Pressure Charts in the individual adapters section

** For details concerning O-ring see section "O-ring selection" and "Fluid Resistance Table"

JIC 37° ADAPTER (ISO 8434-2, SAE J514)

Main Features

SAE J514 and ISO 8434-2, and commonly called 37° JIC adapters.
37° JIC adapter performs extremely well in all high pressure applications.
The seal is made by connecting a 37° flared tube surface to a 37° flare male and tightening by means of a nut and a sleeve.
The flared tube avoids welded connection, so high performances are guaranteed even in case of severe vibrations, mechanic/hydraulic shocks and multiple assembly/disassembly operations.
When tightened, sleeve provides tube and adapter self alignment and helps to reduce the vibrations on the tube during application.
An appropriate choice of sleeve gives the possibility of assembling adapters with both metric and inch-tubes

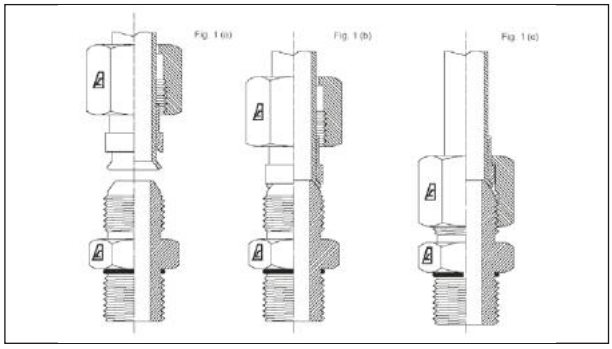


Flaring Operations

Perfect sealing is guaranteed with tubes having physical and mechanical characteristics obtained by cold-drawing and a ductility expressed as 21% of minimum elongation.

- Cut end of tube must be perpendicular to its axis . Note: cutting operation reduces the whole length of tube (almost 0,5±1mm for each end).
- Dimensions of the end of the tube shall allow the correct placing on the flaring machine.
- Flared surface must be inspected to avoid excessive roughness and defects such as cracks or exfoliation.
- Length of flared zone shall be enough to allow a sufficient sealing surface and avoid the blowing off of the tube, but not excessive to prevent the contact with thread of the nut.

A well followed flaring procedure assures no leakage even after frequent assembling and disassembling operations.



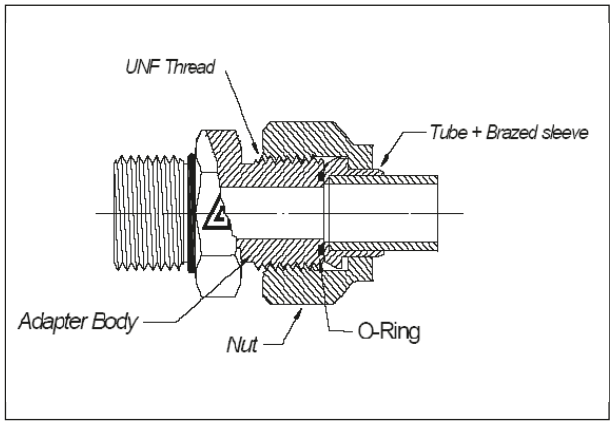
ORFS ADAPTER (ISO 8434-3, SAE J1453)

Main Features

Adapters are designed and manufactured according to standard SAE J1453 and commonly called ORFS adapters.
O-Ring Face Seal adapters performs extremely well in all high pressure applications where elastomeric seals are needed to overcome leakage and leak resistance is crucial.
A seal is made when the O-Ring in the male contacts the 180° flat face of the tube. The male connector has a straight thread and a machined flat face. The seal takes place by compressing the O-Ring onto the flat face of the female.

ORFS system is composed by:.

- Nut.
- Sleeve for flat tube and a shouldered sleeve for brazing. An appropriate choice of sleeve gives the possibility of assembling adapters with both metric and inch-tubes.
- Various kind and size of adapter body.
- O-Ring material is NBR, Shore “A”: 90, suitable for a temperature range of:- 30°C/+130°C (-22°F/+266° F).

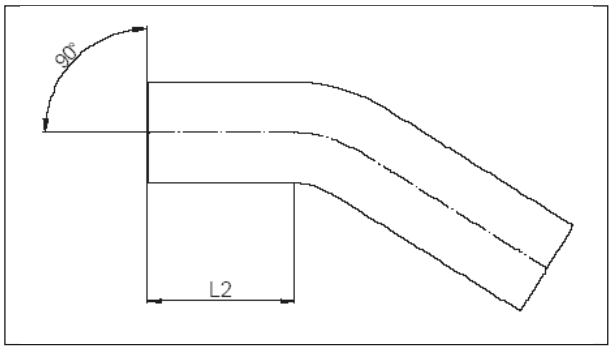


Flaring Tube Operations

Perfect sealing is guaranteed with tubes having physical and mechanical characteristics obtained by cold-drawing and a ductility expressed as 21% of minimum elongation.

- Cut end of tube must be perpendicular to its axis.
- Cutting operation reduces the whole length of tube.
- Dimensions of the end of the tube shall allow the correct placing on the flaring machine.
- Flared surface must be inspected to avoid excessive roughness and defects such as cracks or exfoliation.
- Brazing sleeve guarantees the same performances as the flared tube, and shall be used in the following cases:
- Tube is not in accordance with the above mechanical characteristics.
- The straight part of the tube is not of a sufficient length (see quote L2 and values listed in table of figure O-3).
- Tube thickness is lower than values listed in table (O-1).
- For cutting length consider shoulder of the sleeve (quote L1 of table O-1).

A well followed flaring procedure assures no leakage even after frequent assembling and disassembling operations.



Hose mm	L2 Min mm
Ø 6 - Ø 12	73
Ø 14 - Ø 18	100
Ø 20 - Ø 22	120
Ø 25 - Ø 42	130

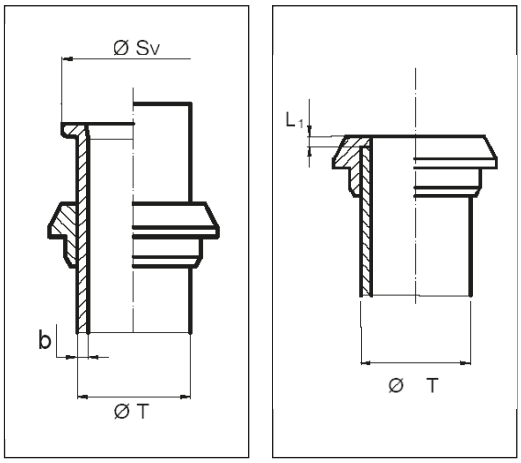
Only a few simple operations are required for assembling ORFS tube/adapter.

Sleeve and Tube Flared:

1a) Place nut and sleeve on the tube with the appropriate orientation.
2a) Flare the tube (see procedure)
3a) Place the tube near seal surface of the adapter and screw by hand.
4a) Lock the adapter and tighten with a torque wrench

Brazed sleeve

1b) Cut the tube considering quote L1 of the sleeve (See Figure O-5);
2b) Clean and degrease accurately the end of the tube and the sleeve;
3b) Put the brazing ring into the sleeve
4b) Apply flux at the end of the tube and in the sleeve, then assemble the sleeve on the tube;
5b) Start brazing and be aware of not overheating flux material;
6b) Clean the connecting part and verify the good quality of weld around the external diameter of the hose;
7b) Complete the assembly procedure as described in points 3a) and 4a). See the correct installation torque in the attached table (O-2).



Hose		SV	
mm	In	mm	In
6	1/4	12,0	12,7
8	5/16	14,7	15,7
10	3/8	14,7	15,7
12	1/2	17,9	18,9
15		22,1	23,4
16	5/8	22,1	23,4
18		26,3	27,8
20	3/4	26,3	27,8
22		32,4	34,2
25	1	32,4	34,2
28		39,0	40,5
30		39,0	40,5
32	1.1/4	39,0	40,5
35		46,0	48,5
38	1.1/2	46,0	48,5

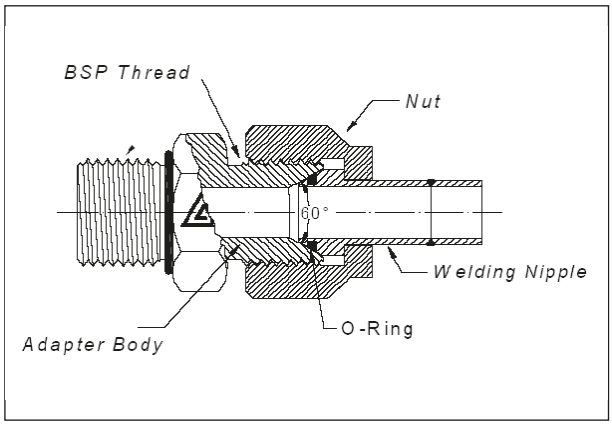
BSP ADAPTER (ISO 8434-6, BS 5200)

Main Features

Adapters are designed and manufactured according to standard BS 5200, ISO 8434-6 and ISO 228-1 and they are commonly called BSP adapters (British Standard Pipe)
BSP adapter is widely employed, it performs extremely well in all high pressure applications with oil and gas.
The seal is made by connecting a 60° coned seat to the 60° male surface and tightening the nut assembly. The O-Ring placed in the tube groove improves the sealing.
There are not welded part in the locking area and performances are good even after multiple assembly and disassembly operations, severe vibrations and mechanic/hydraulic shocks.

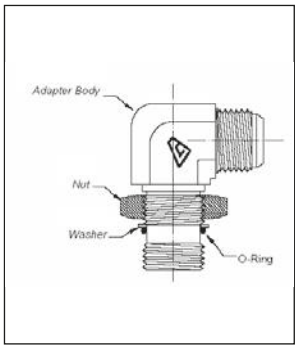
Assembling Procedure

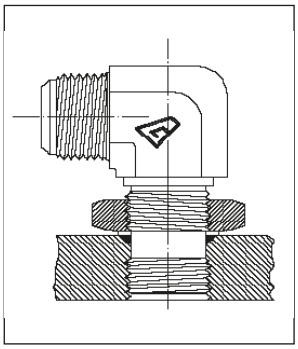
Only a few simple operations are required for assembling BSP tube/adapter:
1) Carefully align tube and adapter. Otherwise sealing is not guaranteed.
2) Lubricate accurately sealing surfaces with mineral oil or suitable lubricant.
3) Place the tube near seal surface of the adapter and tight by hand.
4) Lock the adapter and tighten with a torque wrench.
See the correct installation torque in the attached table B-1



Assembly Instruction For Adjustable Adapter Thread: SAE, UNF, BSPP, Metric

Lubricate the O-Ring with mineral oil. Back off locknut as for as possible.
Make sure that washer is pushed-up as much as possible.
Screw by hand the adapter into the port until the ORing enter the port.
To align adaptor orientation to tube end or hose assembly, unscrew the adaptor by the required amount, but not more than one full turn.
Hold the adapter in desired position by mean of a wrench and tighten locknut to the suggested torque value by means of a dynamometric wrench.

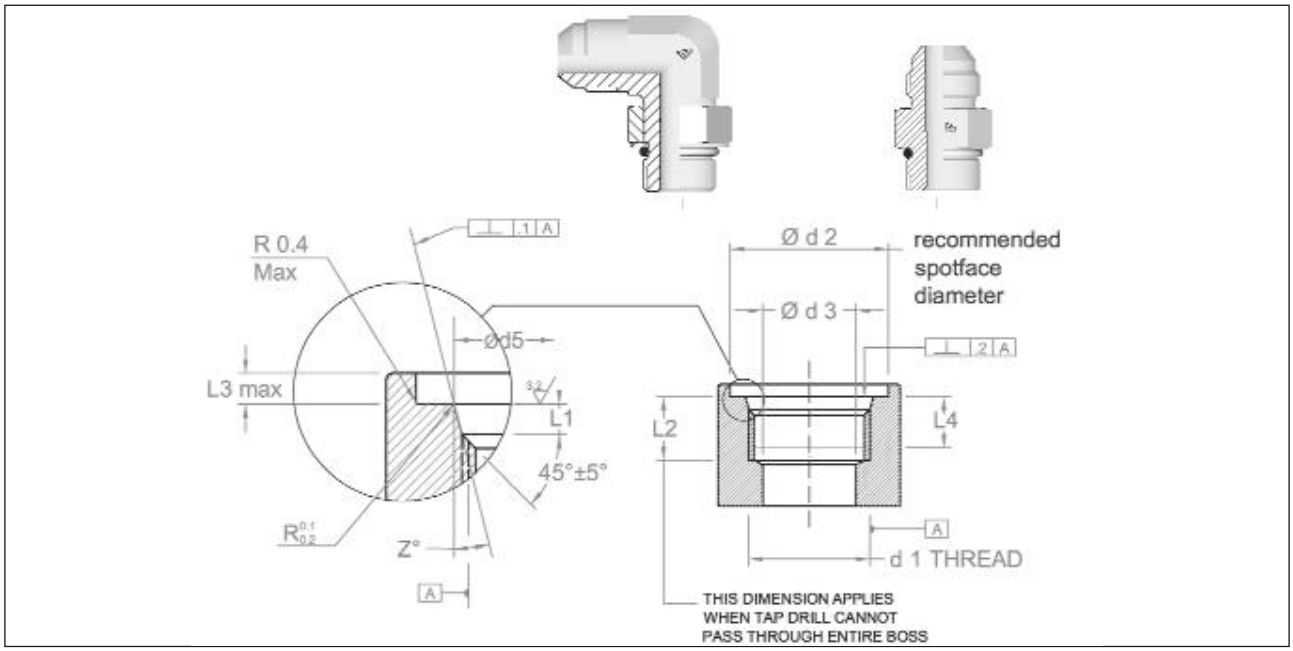




METRIC PORT - ISO 6149 - SAE 2244-1

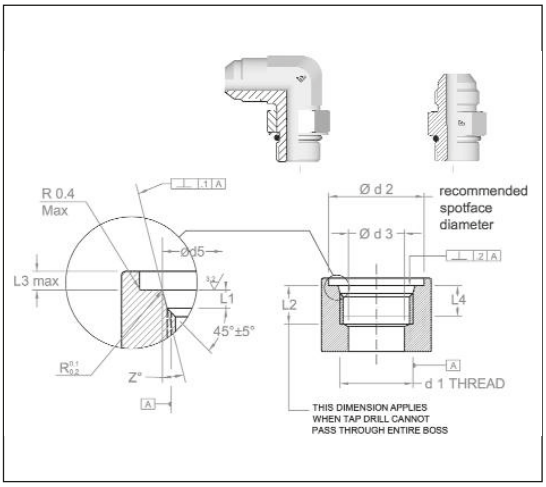
Metric Thread	D2[2]) min	D3[3]) min	D5 +0,10	D6 +0,50	L1 +0,40	L2 min	L3 max	L4	Z° ±1°	Assembly Torque +10%
D1	mm	mm	mm	mm	mm	mm	mm	mm		Nm
M8x1	17	14	9,1	14	1,6	11,5	1	10	12°	10
M10x1	20	16	11,1	16	1,6	11,5	1	10	12°	20
M12x1,5	23	19	13,8	19	2,4	14	1,5	11,5	15°	35
M14x1,51)	25	21	15,8	21	2,4	14	1,5	11,5	15°	45
M16x1,5	28	24	17,8	24	2,4	15,5	1,5	13	15°	55
M18x1,5	30	28	19,8	26	2,4	17	2	14,5	15°	70
M22x1,5	34	29	23,8	29	2,4	18	2	15,5	15°	100
M27x3	40	34	29,4	34	3,1	22	2	19	15°	170
M33x2	49	43	35,4	43	3,1	22	2,5	19	15°	310
M42x2	60	52	44,4	52	3,1	22,5	2,5	19,5	15°	330
M48x2	66	57	50,4	57	3,1	25	2,5	22	15°	420
M60x2	76	67	52,4	67	3,1	27,5	2,5	24,5	15°	500

1) Preferred for diagnostic port application
2) Spotface diameter with identification ridge
3) Spotface diameter without identification ridge



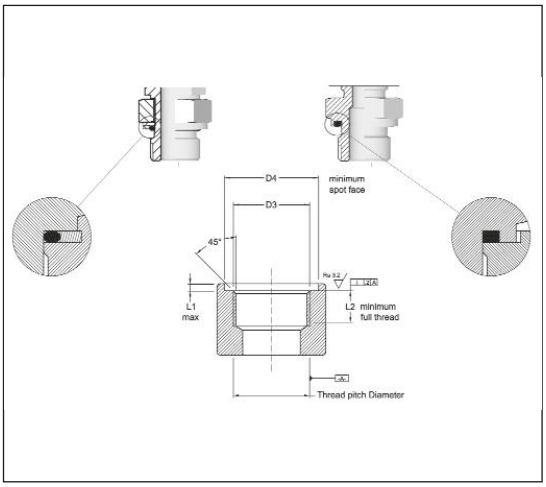
SAE UNF PORT - SAE J1926-1 - ISO 11926

ANSI B1.1	D2	D3 min	D3 +0,13	L1 +0,40	L2 min	L3 max	L4 min	Z° ±1°	Assembly Torque +10%
D1	mm	mm	mm	mm	mm	mm	mm		Nm
7/16"-20	21	4,4	12,4	2,4	14	1,6	11,5	12°	20
1/2"-20	23	6	14	2,4	14	1,6	11,5	12°	25
9/16"-18	25	7,5	15,6	2,5	15,5	1,6	12,7	12°	35
3/4"-16	30	10	20,6	2,5	17,5	2,4	14,3	15°	70
7/8"-14	34	12,5	23,9	3,3	20	2,4	16,7	15°	100
1" 1/16-12	41	16	29,2	3,3	23	2,4	19	15°	170



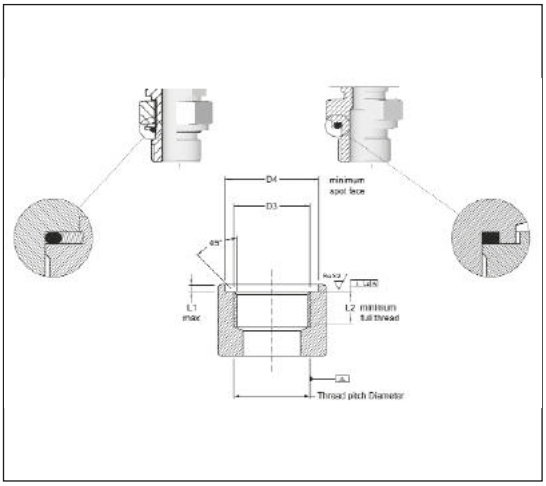
BSPP PORT - ISO 9974 - DIN 3852-1

ANSI B1.1 Thread	D3 +0.20	D4	L1 max	L2 min	Assembly Torque +10%
D1	mm	mm	mm	mm	Nm
1/8"-28	9,8	15	1	8	20
1/4"-19	13,2	20	1,5	12	50
3/8"-19	16,7	23	2	12	80
1/2"-14	21	28	2,5	14	100
3/4"-14	26,5	33	2,5	16	200
1"-11	33,3	41	2,5	18	380
1" 1/4-11	42	51	2,5	20	500
1" 1/2-11	47,9	56	2,5	22	600



METRIC PORT - ISO 9974 - DIN 3852-1

Metric Thread	D3 +0.20	D4 min	L1 max	L2 min	Assembly Torque +10%
D1	mm	mm	mm	mm	Nm
M12x1,5	12	18	1,5	12	35
M14x1,5	14	20	1,5	12	45
M16x1,5	16	23	1,5	12	55
M18x1,5	18	25	2	12	68
M20x1,5	20	27	2	14	80
M22x1,5	22	28	2,5	14	98
M27x2	27	33	2,5	16	180
M33x2	33	41	2,5	18	310
M42x2	42	51	2,5	20	330
M48x2	48	56	2,5	22	400



// HYDRAULIC HOSE

// THERMOPLASTIC

MINIMESS 9
FLEXOR 7 9
FLEXOR 7 - TWIN 10
FLEXOR 8 10
FLEXOR TWB1 11
FLEXOR TWB1 - TWIN 11
FLEXOR VHP700 RED 12

// TEXTILE BRAID

ARGUS 1TE/R6 HF 13
ARGUS 2TE HF 13
ARGUS 3TE/R3 HF 14
2TE RAILWAY 14

// WIRE BRAID

FLEXOPAK PLT 15
FLEXOPAK 1SC 15
AT3K - MINETUFF 16
FLEXOR 1SN/R1AT HF 16
FLEXOR 1SN/R1AT - MINETUFF 17
FLEXOR 5 17
FLEXOPAK 2SC HF 18
FLEXOPAK 2 - MINETUFF 18
FLEXOPAK 2 TWIN - MINETUFF 19
FLEXOR 2SN/R2AT HF 19
FLEXOR 2SN/R2AT - MINETUFF 20
FLEXOR ELEVATOR 20
ALFAFOREST 21
2SC RAILWAY 21

// WIRE SPIRAL

AT7K - MINETUFF 22
AT8K - MINETUFF 22
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HEADQUARTER
Alfagomma SpA
Via Torri Bianche 1
20871 Vimercate (MB) Italy
marketing@alfagomma.com
www.alfagomma.com

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