

Fitting solutions offering superior strength and performance

Crimp fittings



Powering Business Worldwide

Crimp fittings

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H



Crimp fittings

How to order

H

How to order

Accurate processing and prompt delivery of your order depend on easy identification of your requirements. Please order Eaton parts using correct part numbers as described in this catalog. Inquiries and orders should be directed to your Aeroquip Distributor or:

Eaton Hydraulics
14615 Lone Oak Road
Eden Prairie, MN 55344
952-937-9800;
888-258-0222;
Fax: 952-974-7722
www.eaton.com/hydraulics

Part numbers and Dash sizes

Dash size designates the nominal size in 16ths of an inch. This number immediately follows the part number and is separated from it with a dash.

Fittings with "FC" or "FJ" part numbers will have the size expressed in four numerals. The first two numerals indicate the size of the connecting end and the second two numerals indicate the size of the hose end. All other fittings are followed by a dash number which is the nominal size of the fitting expressed in 16ths of an inch. Where two dash numbers are given, the first one generally indicates the pipe or port size and the second indicates the tube or hose size. The hose dash number should always be the same as the last dash number on the fitting.

Material Designation

Most fittings in this catalog have a material designation as part of the part number. An explanation is shown below.

Prefix Designations

- 38 Brass nipple, steel socket
- 44 Bronze nipple and nut: brass socket
- 63 Brass nipple, steel nut and socket
- 259 316 Stainless steel
- 449 Malleable iron

Suffix Designations

- B Brass
- C Stainless steel
- D Aluminum alloy
- S Steel

Dimensions

Dimensions given in this catalog for Eaton brand products are approximate and should be used for reference only. Exact dimensional information for a given product is subject to change and varying tolerances; contact Eaton directly for full current information.

Globally standardized pressure ratings

Eaton has standardized hose burst and operating pressure ratings in cataloging, worldwide. This move toward standardization will slightly alter some of the pressures ratings listed for hoses in this catalog as pressures are rounded off. This is a paper conversion only. This action has no effect on the actual testing and certification of Eaton hoses to stringent product standards.



Warning

Eaton manufactures the terminal ends of our hose fittings to the appropriate requirements established by the SAE. Therefore, the performance ratings of these hose fittings meet the SAE requirements. It is possible to order a hose assembly with a fitting terminal end that has a performance rating lower than the hose rating. When ordering hose assemblies, please keep the terminal end performance rating in mind since this may affect overall hose assembly performance.

Many hose assembly components (hose and fittings) are easily assembled in the field. However, factory assembled swaged, crimped and reusable hose assemblies are available. For complete information, contact Eaton.

Mixing/Matching

EATON FITTING TOLERANCES ARE ENGINEERED TO MATCH AEROQUIP HOSE TOLERANCES. THE USE OF EATON FITTINGS ON HOSE SUPPLIED BY OTHER MANUFACTURERS AND/OR THE USE OF AEROQUIP HOSE WITH FITTINGS SUPPLIED BY OTHER MANUFACTURERS' BRANDS MAY RESULT IN THE PRODUCTION OF UNRELIABLE AND UNSAFE HOSE ASSEMBLIES AND IS NEITHER RECOMMENDED NOR AUTHORIZED BY EATON.

EATON SHALL NOT BE SUBJECT TO AND DISCLAIMS ANY OBLIGATIONS OR LIABILITIES (INCLUDING BUT NOT LIMITED TO ALL CONSEQUENTIAL, INCIDENTAL AND CONTINGENT DAMAGES) ARISING OUT OF BREACH OF CONTACT OR OF WARRANTY OR ARISING FROM TORT CLAIMS (INCLUDING WITHOUT LIMITATION NEGLIGENCE AND STRICT LIABILITY) OR OTHER THEORIES OF LAW WITH RESPECT TO ANY HOSE ASSEMBLIES NOT PRODUCED FROM GENUINE EATON HOSE FITTINGS, HOSE AND EATON APPROVED EQUIPMENT, AND IN CONFORMANCE WITH EATON PROCESS AND PRODUCT INSTRUCTIONS FOR EACH SPECIFIC HOSE ASSEMBLY.

FAILURE TO FOLLOW EATON PROCESS AND PRODUCT INSTRUCTIONS AND LIMITATIONS COULD LEAD TO PREMATURE HOSE ASSEMBLY FAILURES RESULTING IN PROPERTY DAMAGE, SERIOUS INJURY OR DEATH.

Global crimp sockets, nipples and fittings

Global part numbering system

Part numbers collapse to the shortest possible number of digits:

It is assumed that a global fitting has a straight configuration unless a code is added to designate otherwise.

e.g., 1SA8FJ8 has a straight configuration
1SA8FJA8 has a 45° elbow configuration

Dashes and unnecessary zeros are not used.

e.g., 1/4" is designated by "4" not "-4" or "04"
5/8" is designated by "10" not "-10"

Global crimp sockets

Complete socket number: **1S A 8**

Global 2-piece part number: **1S**

Wire braid construction: **A**

A = Single wire braid

B = Double wire braid

Hose size*: **8**

Global material designation

Global crimp nipples, sockets and fittings standard material is zinc plated carbon steel. Items so designated in catalog are available in stainless steel.

Crimp fittings



Fittings are ordered as complete assemblies or as component parts.

Complete fitting number: **FJ9896- 20 20 S**

Basic part number: **FJ9896-**

Pipe or port size: **20**

Mating hose size: **20**

Material designation suffix: **S**

Crimp socket



Complete socket number: **FC2717- 20 S**

Basic part number: **FC2717-**

Socket hose size: **20**

Material designation suffix: **S**

Crimp nipple



Complete nipple number: **FC2710- 20 20 S**

Basic part number: **FC2710-**

Socket or port size: **20**

Socket hose size: **20**

Material designation suffix: **S**

Global crimp nipples/fittings

Complete nipple part number: **1S A 8 FJ A 8**

Product group code: **1S**

1S = Global 2-piece part number

1A = TTC fitting part number

1B = TTC12 fitting part number

1G = OTC Global fitting part number

4S = 4S fitting part number for four spiral hose

6S = 6S fitting part number for six spiral hose

Material stock code: **A**

If material is round stock, then this position collapses.

A = inch hex stock
(metric hex, this position collapses)

For 1/4" Braided hose fittings:

P = 1-wire braid hose socket with no hex

R = 1-wire braid hose socket with inch hex

T = 2-wire braid hose socket with no hex

V = 2-wire braid hose socket with inch hex

End connection size*: **8**

End connection code: **FJ A**

BF = BSP Female Swivel (1 hex)

BP = BSP Male Parallel

BT = BSP Male Tapered

CT = Cat Flange

DK = 24 Male (light duty)

DL = DKO Female Swivel (light duty)

DS = DKO Female Swivel (heavy duty)

EK = 24 Male (heavy duty)

FH = Flange Code 62

FJ = Female JIC Swivel

FL = Flange Code 61

FR = Female ORS

FS = Female SAE Swivel

JF = JIS Female Swivel

JM = BSP Female Swivel (2 hexes)

KF = Komatsu Female Swivel

KS = Komatsu Split Flange

MB = Male Boss O-Ring

MF = Male Inverted Flare

MJ = Male JIC

MP = Male Pipe

MR = Male ORS

PF = Female Pipe Swivel

PS = Pipe Swivel

Connecting end configuration code: **A 8**

If nipple has a straight configuration, then this position collapses.

A = 45° D = 22-1/2°

B = 90°, standard or E = 67-1/2°

short drop F = 30°

C = 90°, long drop G = 60°

Hose size*: **8**

Material Designation: **A**

C = stainless steel, if fitting is zinc plated carbon steel (standard), this position collapses.

*When ordering sizes 3, 4, 5, 6 and 8 the part number requires only single digits.

Crimp fittings

Socket data

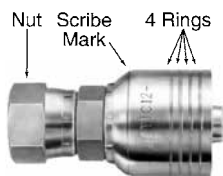
H

Socket data

TTC-

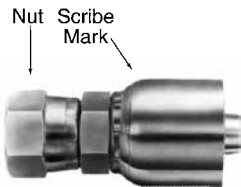


TTC12-



Scribe mark: For TTC and TTC12 Fittings, the scribe mark identifies crimp length indicator for assembly; See Document A-EQCR-TM001-E for details.

1G



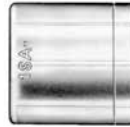
Crimp Socket data – Socket to hose correct combinations

Use of the correct Eaton socket with a given Aeroquip hose is essential for proper assembly and performance. Virtually all Eaton hose sockets are marked with the socket part number and dash size. Using this number, from the following table, the correct hose or hoses may be found and dash sizes matched, to assure the correct combination.

Global Over the Cover Identification (OTC Sockets)

Over the cover global fitting sockets have 1G(size) and a scribe mark stamped on the socket.

1SA



1SB



Global skive socket identification

1SA sockets are stamped 1SA(size) for one wire braid hose and 1SB sockets are stamped 1SB(size) for two wire braid hose. 1SA sockets have one ring and 1SB sockets have two rings grooved around the circumference of each socket.

Global identification marking

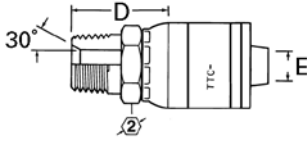
Global hose fittings are identified with the Eaton trademark and the hose size. In addition, global sockets are identified with the following:

Identification marking	Fitting style	Hose/Socket description
1 ring 1SA(size)	skive	One wire braid hose and skive type socket
2 rings 1SB(size)	skive	Two wire braid hose and skive type socket
2 rings 1 ring 1 scribe mark TTC–(size)	Thru-the-cover	One wire and two wire braid hose and TTC socket
4 rings 1 scribe mark TTC12–(size)	Spiral thru-the-cover	Four spiral wire hose and TTC12 socket
1 scribe mark 1G (size)	Over the cover	Textile braid and suction hoses and OTC socket (SAE 100R3, R4 and R6 hose styles)

Aeroquip hose base part no.	Dash sizes	Socket base part number	Crimp sockets
2681	–03 to –32	1SA	
FC310	–04 to –20		
FC510	–04 to –20		
FC639/FC839B	–04 to –08		
GH194	–04 to –20		
GH663	–04 to –32		
GH681	–04 to –08		
2781	–4 to –32	1SB	
FC195	–04 to –32		
FC466	–04 to –12		
FC498/FC598	–04 to –12		
FC579	–04, –06		
FC639/FC839B	–10 to –16		
FC735	–04 to –20		
FC849/FC849B	–06 to –12		
GH120	–04 to –20		
GH195	–04 to –32		
GH781	–04 to –20		
GH793	–04 to –32		
FC736	–12, –16		

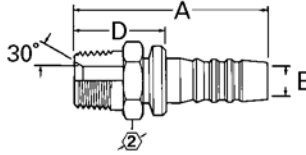
Male pipe (MP)

1 Global TTC fittings



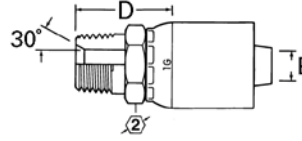
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849 / FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



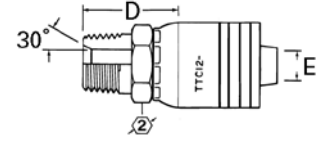
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20). **Socket**
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC195, FC466, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/ FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		in
						mm	in	mm	in	mm	in	
—	1SA2MP3	—	—	1/8-27	-03	40,4	1.59	22,9	0.90	2,5	0.10	7/16
—	1SA4MP3	—	—	1/4-18	-03	41,4	1.62	23,6	0.93	2,5	0.10	9/16
1AA2MP4	1SA2MP4	1GA2MP4	—	1/8-27	-04	46,7	1.84	23,4	0.92	4,3	0.17	9/16
1AA4MP4†	1SA4MP4	1GA4MP4	—	1/4-18	-04	52,3	2.06	29,0	1.14	4,3	0.17	9/16
1AA6MP4	1SA6MP4	1GA6MP4	—	3/8-18	-04	48,3	1.90	24,9	0.98	4,3	0.17	11/16
1AA4MP6	1SA4MP6	1GA4MP6	1BA4MP6 4SA4MP6*	1/4-18	-06	55,4	2.18	30,0	1.18	6,6	0.26	11/16
1AA6MP6†	1SA6MP6	1GA6MP6	1BA6MP6 4SA6MP6*	3/8-18	-06	57,7	2.27	32,5	1.28	6,6	0.26	11/16
1AA8MP4	1SA8MP4	—	—	1/2-14	-04	51,3	2.02	31,2	1.23	4,3	0.17	7/8
1AA8MP6	1SA8MP6	1GA8MP6	1BA8MP6 4SA8MP6*	1/2-14	-06	57,7	2.27	32,5	1.28	4,1	0.16	7/8
1AA4MP8	1SA4MP8	1GA4MP8	1BA4MP8 4SA4MP8*	1/4-18	-08	61,0	2.40	31,2	1.23	7,6	0.30	13/16
1AA6MP8	1SA6MP8	1GA6MP8	1BA6MP8 4SA6MP8*	3/8-18	-08	63,2	2.49	33,5	1.32	9,7	0.38	13/16
1AA8MP8†	1SA8MP8	1GA8MP8	1BA8MP8 4SA8MP8*	1/2-14	-08	69,6	2.74	39,6	1.56	9,7	0.38	7/8
1AA12MP8	1SA12MP8	1GA12MP8	1BA12MP8 4SA12MP8*	3/4-14	-08	65,0	2.56	35,3	1.39	9,7	0.38	1 1/16
1AA6MP10	1SA6MP10	—	—	3/8-18	-10	63,2	2.49	33,8	1.33	10,7	0.42	15/16
1AA8MP10	1SA8MP10	1GA8MP10	1BA8MP10 4SA8MP10*	1/2-14	-10	69,6	2.74	40,1	1.58	12,7	0.50	15/16
1AA12MP10	1SA12MP10	1GA12MP10	1BA12MP10 4SA12MP10*	3/4-14	-10	65,0	2.56	35,6	1.40	12,7	0.50	1 1/16
1AA8MP12	1SA8MP12	1GA8MP12	1BA8MP12	1/2-14	-12	70,6	2.78	40,6	1.60	14,2	0.56	1 1/8
1AA12MP12†	1SA12MP12	1GA12MP12	1BA12MP12	3/4-14	-12	72,1	2.84	41,9	1.65	15,5	0.61	1 1/8
1AA16MP12	1SA16MP12	1GA16MP12	1BA16MP12	1-11 1/2	-12	71,1	2.80	40,9	1.61	15,5	0.61	1 3/8

† Also available in stainless steel, add suffix "C" to part number, i.e., 1AA4MP4C.

* Part number denotes 4S equivalent fitting.

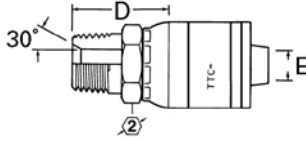
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

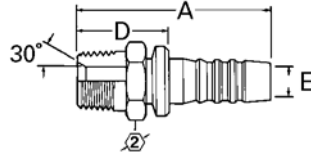
Male pipe (MP) - Continued

1 Global TTC fittings



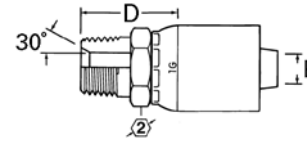
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



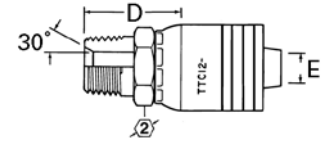
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20). **Socket**
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC195, FC466, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



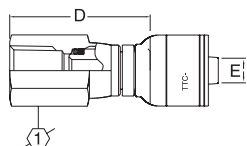
For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		in
						mm	in	mm	in	mm	in	
1AA12MP16	1SA12MP16	1GA12MP16	1BA12MP16	3/4-14	-16	76,7	3.02	42,4	1.67	19,3	0.76	1 3/8
1AA16MP16 †	1SA16MP16	1GA16MP16	1BA16MP16	1-11 1/2	-16	81,8	3.22	47,2	1.86	20,8	0.82	1 3/8
1AA20MP16	1SA20MP16	1GA20MP16	1BA20MP16	1 1/4-11 1/2	-16	78,2	3.08	43,7	1.72	20,8	0.82	1 11/16
1AA16MP20	1SA16MP20	1GA16MP20	1BA16MP20	1-11 1/2	-20	93,0	3.66	49,0	1.93	24,1	0.95	1 3/4
1AA20MP20 †	1SA20MP20	1GA20MP20	1BA20MP20	1 1/4-11 1/2	-20	89,4	3.52	45,5	1.79	26,7	1.05	1 13/16
1AA24MP24	1SA24MP24	1GA24MP24	1BA24MP24	1 1/2-11 1/2	-24	106,2	4.18	59,9	2.36	32,0	1.26	2
1AA32MP32	1SA32MP32	1GA32MP32	—	2-11 1/2	-32	116,6	4.59	66,3	2.61	44,5	1.75	2 1/2
—	—	—	1BA32MP32	2-11 1/2	-32	128,5	5.06	65,5	2.58	44,5	1.75	2 1/2

† Also available in stainless steel, add suffix "C" to part number, i.e., 1AA4MP4C.

Female pipe swivel (PF)

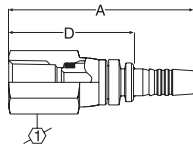
1 Global TTC fittings



For use with hose:

2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



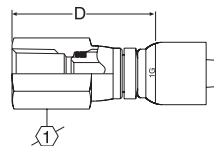
For use with hose:

Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).

Socket 1SA: 2681, FC310, FC372-03, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.

Socket 1SB: 2781, FC466, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:

2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings

No offering

For use with hose:

FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		2 in
						mm	in	mm	in	mm	in	
1AA4PF4	1SA4PF4	1GA4PF4	—	1/4-18	-04	72,9	2.87	49,5	1.95	4,3	0.17	3/4
1AA6PF6	1SA6PF6	1GA6PF6	—	3/8-18	-06	75,4	2.97	50,0	1.97	6,6	0.26	7/8
1AA8PF8	1SA8PF8	1GA8PF8	—	1/2-14	-08	90,9	3.58	61,2	2.41	9,7	0.38	1 1/16
1AA12PF12	1SA12PF12	1GA12PF12	—	3/4-14	-12	92,2	3.63	62,0	2.44	15,5	0.61	1 3/8
1AA16PF16	1SA16PF16	—	—	1-11 1/2	-16	111,0	4.37	77,5	3.05	20,6	0.81	1 5/8

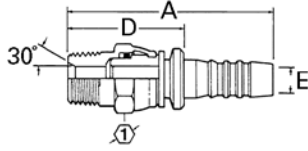
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

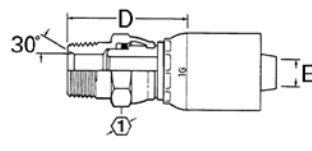
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Male pipe swivel (PS)

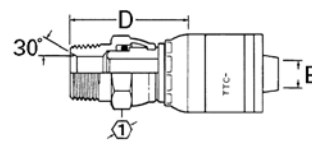
1 Global nipples



2 Global OTC fittings



3 Global TTC fittings



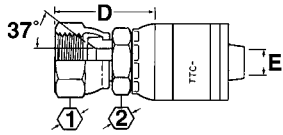
4 Global TTC12 fittings

No offering

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		② in
						mm	in	mm	in	mm	in	
—	1SA2PS3	—	—	1/8-27	-03	53,6	2.11	36,1	1.42	2,5	0.10	9/16
1AA4PS4	1SA4PS4	1GA4PS4	—	1/4-18	-04	64,5	2.54	41,4	1.62	4,3	0.17	3/4
1AA4PS6	1SA4PS6	—	—	1/4-18	-06	63,5	2.54	42,4	1.67	6,6	0.26	3/4
1AA6PS6	1SA6PS6	1GA6PS6	—	3/8-18	-06	67,6	2.66	42,4	1.67	6,6	0.26	7/8
1AA8PS6	1SA8PS6	1GA8PS6	—	1/2-14	-06	72,4	2.85	47,0	1.85	6,6	0.26	7/8
1AA6PS8	1SA6PS8	1GA6PS8	—	3/8-18	-08	73,2	2.88	43,4	1.71	9,7	0.38	7/8
1AA8PS8	1SA8PS8	1GA8PS8	—	1/2-14	-08	79,5	3.13	49,8	1.96	9,7	0.38	15/16
1AA12PS12	1SA12PS12	1GA12PS12	—	3/4-14	-12	82,3	3.24	52,1	2.05	15,5	0.61	1 3/8
1AA16PS16	1SA16PS16	1GA16PS16	—	1-11 1/2	-16	98,6	3.88	64,3	2.53	20,6	0.81	1 1/2

Female JIC/SAE 37° swivel (FJ)

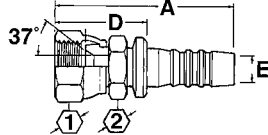
1 Global TTC fittings



For use with hose:

2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



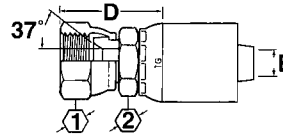
For use with hose:

Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).

Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.

Socket 1SB: 2781, FC195, FC466, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

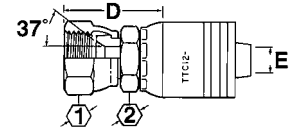
3 Global OTC fittings



For use with hose:

2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:

FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		1	2
						mm	in	mm	in	mm	in		
—	1SA3FJ3	—	—	3/8-24	-03	42,3	1.69	25,4	1.00	2,5	0.10	1/2	7/16
—	1SA4FJ3	—	—	7/16-20	-03	42,3	1.69	25,4	1.00	2,5	0.10	9/16	7/16
1AA3FJ4	1SA3FJ4	1GA3FJ4	—	3/8-24	-04	49,3	1.94	25,9	1.02	3,3	0.13	1/2	9/16
1AA4FJ4 †	1SA4FJ4	1GA4FJ4	—	7/16-20	-04	50,8	2.00	27,2	1.07	4,3	0.17	9/16	9/16
1AA5FJ4	1SA5FJ4	1GA5FJ4	—	1/2-20	-04	50,3	1.98	26,9	1.06	4,3	0.17	5/8	9/16
1AA6FJ4	1SA6FJ4	1GA6FJ4	—	9/16-18	-04	51,6	2.03	28,2	1.11	4,3	0.17	1 1/16	9/16
1AA5FJ5	1SA5FJ5	1GA5FJ5	—	1/2-20	-05	52,8	2.08	29,0	1.14	5,3	0.21	5/8	9/16
1AA6FJ5	1SA6FJ5	1GA6FJ5	—	9/16-18	-05	52,3	2.06	28,4	1.12	5,3	0.21	1 1/16	9/16
1AA4FJ6	1SA4FJ6	1GA4FJ6	1BA4FJ6 4SA4FJ6*	7/16-20	-06	55,6	2.19	30,2	1.19	4,3	0.17	9/16	11/16
1AA5FJ6	1SA5FJ6	1GA5FJ6	—	1/2-20	-06	56,9	2.24	31,5	1.24	5,8	0.23	5/8	11/16
1AA6FJ6 †	1SA6FJ6	1GA6FJ6	1BA6FJ6 4SA6FJ6*	9/16-18	-06	57,9	2.28	32,5	1.28	6,6	0.26	1 1/16	11/16
1AA8FJ6	1SA8FJ6	1GA8FJ6	1BA8FJ6 4SA8FJ6*	3/4-16	-06	58,7	2.31	33,3	1.31	6,6	0.26	7/8	11/16
1AA10FJ6	1SA10FJ6	—	—	7/8-14	-06	57,4	2.26	13,2	0.52	6,6	0.26	1	13/16
1AA6FJ8	1SA6FJ8	—	1BA6FJ8 4SA6FJ8*	9/16-18	-08	59,9	2.36	34,5	1.36	9,6	0.33	11/16	13/16
—	1SA10FJ6	—	—	7/8-14	-06	61,5	2.42	36,3	1.43	6,6	0.26	1	13/16
1AA8FJ8 †	1SA8FJ8	1GA8FJ8	1BA8FJ8 4SA8FJ8*	3/4-16	-08	66,8	2.63	37,1	1.46	9,7	0.38	7/8	13/16
1AA10FJ8	1SA10FJ8	1GA10FJ8	1BA10FJ8 4SA10FJ8*	7/8-14	-08	67,1	2.64	37,3	1.47	9,7	0.38	1	13/16
1AA12FJ8	1SA12FJ8	1GA12FJ8	1BA12FJ8 4SA12FJ8*	1 1/16-12	-08	69,3	2.73	39,6	1.56	9,7	0.38	1 1/4	1
1AA16FJ8	1SA16FJ8	1GA16FJ8	1BA16FJ8	1 5/16-12	-08	77,7	3.06	48,0	1.89	9,7	0.38	1 1/2	1 1/4
1AA8FJ10	1SA8FJ10	—	—	3/4-16	-10	67,3	2.65	38,1	1.50	9,9	0.39	7/8	15/16
1AA10FJ10 †	1SA10FJ10	1GA10FJ10	1BA10FJ10 4SA10FJ10*	7/8-14	-10	70,4	2.77	40,9	1.61	12,7	0.50	1	15/16
1AA12FJ10	1SA12FJ10	1GA12FJ10	1BA12FJ10 4SA12FJ10*	1 1/16-12	-10	69,1	2.72	39,9	1.57	12,7	0.50	1 1/4	1

† Also available in stainless steel, add suffix "C" to part number, i.e., 1AA4FJ4C.

* Part number denotes 4S equivalent fitting.

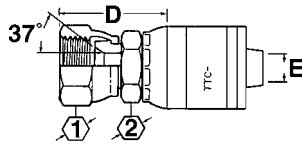
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

Female JIC/SAE 37° swivel (FJ)

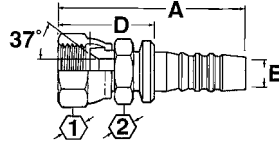
1 Global TTC fittings



For use with hose:

2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



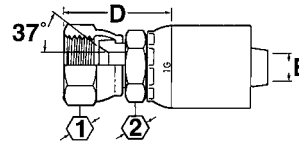
For use with hose:

Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).

Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.

Socket 1SB: 2781, FC195, FC466, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

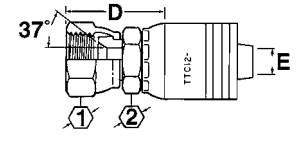
3 Global OTC fittings



For use with hose:

2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:

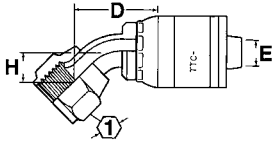
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		⊕1 in	⊕2 in
						mm	in	mm	in	mm	in		
1AA10FJ12	1SA10FJ12	1GA10FJ12	1BA10FJ12	7/8-14	-12	71,4	2.81	41,4	1.63	12,2	0.48	1	1 1/8
1AA12FJ12 †	1SA12FJ12	1GA12FJ12	1BA12FJ12	1 1/16-12	-12	72,1	2.84	41,9	1.65	15,5	0.61	1 1/4	1 1/8
1AA14FJ12	1SA14FJ12	1GA14FJ12	1BA14FJ12	1 3/16-12	-12	72,1	2.84	41,9	1.65	15,5	0.61	1 3/8	1 1/8
1AA16FJ12	1SA16FJ12	1GA16FJ12	1BA16FJ12	1 5/16-12	-12	73,9	2.91	43,7	1.72	15,5	0.61	1 1/2	1 1/4
1AA12FJ16	1SA12FJ16	1GA12FJ16	1BA12FJ16	1 1/16-12	-16	80,0	3.15	45,7	1.80	15,5	0.61	1 1/4	1 3/8
1AA14FJ16	1SA14FJ16	—	—	1 3/16-12	-16	80,0	3.15	46,5	1.83	20,6	0.81	1 3/8	1 3/8
1AA16FJ16 †	1SA16FJ16	1GA16FJ16	1BA16FJ16	1 5/16-12	-16	83,6	3.29	49,0	1.93	20,6	0.81	1 1/2	1 3/8
1AA20FJ16	1SA20FJ16	1GA20FJ16	1BA20FJ16	1 5/8-12	-16	80,5	3.17	46,0	1.81	20,6	0.81	2	—
1AA16FJ20	1SA16FJ20	1GA16FJ20	1BA16FJ20	1 5/16-12	-20	87,9	3.46	43,9	1.73	21,6	0.85	1 1/2	—
1AA20FJ20 †	1SA20FJ20	1GA20FJ20	1BA20FJ20	1 5/8-12	-20	91,7	3.61	47,8	1.88	26,7	1.05	2	—
—	1SA24FJ20	—	1BA24FJ20	1 7/8-12	-20	95,5	3.76	51,6	2.03	26,7	1.05	2 1/4	—
1AA24FJ24	1SA24FJ24	1GA24FJ24	1BA24FJ24	1 7/8-12	-24	99,1	3.90	52,6	2.07	32,0	1.26	2 1/4	—
1AA24FJ32	1SA24FJ32	1GA24FJ32	—	1 7/8-12	-32	103,9	4.09	53,8	2.12	33,3	1.31	2 1/4	—
1AA32FJ32	1SA32FJ32	1GA32FJ32	—	2 1/2-12	-32	110,2	4.34	60,7	2.39	44,5	1.75	2 7/8	—
—	—	—	1BA32FJ32	2 1/2-12	-32	122,4	4.82	59,2	2.33	44,5	1.75	2 7/8	—

† Also available in stainless steel, add suffix "C" to part number, i.e., 1AA4FJ4C.

Female JIC/SAE 37° swivel 45° elbow (FJA)

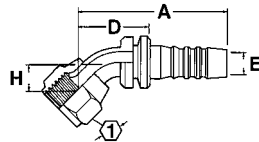
1 Global TTC fittings



For use with hose:

2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



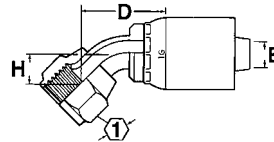
For use with hose:

Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).

Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.

Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

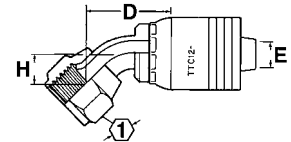
3 Global OTC fittings



For use with hose:

2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:

FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		H		① in
						mm	in	mm	in	mm	in	mm	in	
1AA4FJA4 †	1SA4FJA4 †	1GA4FJA4 †	—	7/16-20	-04	45,1	1.78	21,7	0.85	3,8	0.15	8,4	0.33	9/16
1AA5FJA4 †	1SA5FJA4 †	1GA5FJA4 †	—	1/2-20	-04	51,8	2.04	28,4	1.12	4,3	0.17	9,4	0.37	5/8
1AA6FJA4	1SA6FJA4	1GA6FJA4	—	9/16-18	-04	53,1	2.09	29,7	1.17	4,3	0.17	9,9	0.39	11/16
1AA4FJA6	1SA4FJA6	—	—	7/16-20	-06	44,5	1.75	23,4	0.92	4,1	0.16	8,4	0.33	9/16
1AA6FJA6	1SA6FJA6	1GA6FJA6	—	9/16-18	-06	58,7	2.31	33,3	1.31	6,1	0.24	9,9	0.39	11/16
—	—	—	1BA6FJA6 4SA6FJA6*	9/16-18	-06	75,7	2.98	50,3	1.98	6,1	0.24	21,6	0.85	11/16
1AA8FJA6 †	1SA8FJA6 †	1GA8FJA6 †	—	3/4-16	-06	67,3	2.65	42,2	1.66	6,6	0.26	14,0	0.55	7/8
—	—	—	1BA8FJA6 4SA8FJA6*	3/4-16	-06	79,5	3.13	54,4	2.14	6,6	0.26	24,1	0.95	7/8
1AA8FJA8 †	1SA8FJA8 †	1GA8FJA8 †	—	3/4-16	-08	71,6	2.82	41,9	1.65	9,4	0.37	14,0	0.55	7/8
—	—	—	1BA8FJA8 4SA8FJA8*	3/4-16	-08	83,8	3.30	54,1	2.13	9,4	0.37	24,1	0.95	7/8
1AA10FJA8 †	1SA10FJA8 †	1GA10FJA8 †	—	7/8-14	-08	77,0	3.03	47,2	1.86	9,7	0.38	15,0	0.59	1
—	—	—	1BA10FJA8 4SA10FJA8*	7/8-14	-08	85,1	3.35	55,4	2.18	9,4	0.37	25,4	1.00	1
1AA10FJA10 †	1SA10FJA10 †	1GA10FJA10 †	1BA10FJA10 4SA10FJA10*	7/8-14	-10	74,7	2.94	45,5	1.79	11,7	0.46	15,0	0.59	1
1AA12FJA10	1SA12FJA10	1GA12FJA10	—	1 1/16-12	-10	85,9	3.38	56,4	2.22	12,7	0.50	19,8	0.78	1 1/4
—	—	—	1BA12FJA10 4SA12FJA10*	1 1/16-12	-10	96,0	3.78	66,5	2.62	12,7	0.50	29,5	1.16	1 1/4
1AA12FJA12	1SA12FJA12	1GA12FJA12	—	1 1/16-12	-12	87,1	3.43	56,9	2.24	14,7	0.58	19,8	0.78	1 1/4
1AA16FJA12	1SA16FJA12	—	—	1 5/16-12	-16	95,0	3.74	60,7	2.39	19,3	0.76	27,2	1.07	1 1/2
—	—	—	1BA12FJA12	1 1/16-12	-12	96,8	3.81	66,5	2.62	14,2	0.56	29,5	1.16	1 1/4
1AA20FJA16	1SA20FJA16	1GA20FJA16	—	1 5/8-12	-16	101,6	4.00	67,3	2.65	20,6	0.81	31,0	1.22	2
1AA16FJA16	1SA16FJA16	1GA16FJA16	—	1 5/16-12	-16	95,0	3.74	60,7	2.39	19,3	0.76	27,2	1.07	1 1/2
—	—	—	1BA16FJA16	1 5/16-12	-16	119,6	4.71	85,3	3.36	19,3	0.76	38,9	1.53	1 1/2
1AA20FJA20	1SA20FJA20	1GA20FJA20	—	1 5/8-12	-20	112,8	4.44	68,8	2.71	25,7	1.01	31,0	1.22	2
—	—	—	1BA20FJA20	1 5/8-12	-20	138,4	5.45	94,5	3.72	25,7	1.01	43,2	1.70	2
—	—	—	1BA24FJA24	1 7/8-12	-24	159,3	6.27	112,8	4.44	30,2	1.19	50,5	1.99	2 1/4

† Swivel nuts are universal for both SAE 37° and SAE 45° connections.
* Part number denotes 4S equivalent fitting.

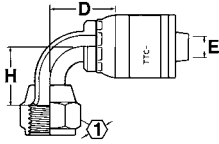
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

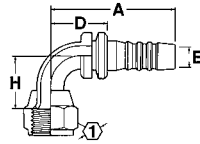
Female JIC/SAE 37° swivel 90° elbow (FJB)

1 Global TTC fittings



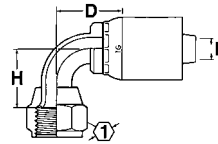
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



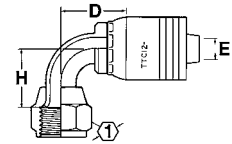
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC195, FC466, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



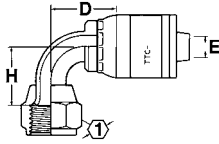
For use with hose:
C636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		H		in
						mm	in	mm	in	mm	in	mm	in	
—	1SA4FJB3†	—	—	7/16-20	-03	40,6	1.60	23,1	0.91	2,5	0.10	17,3	0.68	9/16
1AA4FJB4†	1SA4FJB4†	1GA4FJB4†	—	7/16-20	-04	46,7	1.84	23,4	0.92	3,8	0.15	17,3	0.68	9/16
1AA5FJB4†	1SA5FJB4†	1GA5FJB4†	—	1/2-20	-04	48,8	1.92	25,4	1.00	4,3	0.17	19,3	0.76	5/8
1AA6FJB4	1SA6FJB4	1GA6FJB4	—	9/16-18	-04	50,8	2.00	27,4	1.08	4,3	0.17	21,3	0.84	11/16
—	1SA5FJB5†	—	—	1/2-20	-05	49,5	1.95	25,7	1.01	4,6	0.18	19,3	0.76	5/8
1AA4FJB6	—	—	—	7/16-20	-06	46,0	1.81	24,9	0.98	4,1	0.16	17,3	0.68	9/16
1AA6FJB6	1SA6FJB6	1GA6FJB6	—	9/16-18	-06	56,1	2.21	31,0	1.22	6,1	0.24	21,3	0.84	11/16
—	—	—	1BA6FJB6 4SA6FJB6*	9/16-18	-06	61,2	2.41	36,1	1.42	6,1	0.24	38,1	1.50	11/16
1AA8FJB6†	1SA8FJB6†	1GA8FJB6†	—	3/4-16	-06	61,5	2.42	36,1	1.42	6,6	0.26	27,7	1.09	7/8
—	—	—	1BA8FJB6 4SA8FJB6*	3/4-16	-08	68,8	2.71	43,4	1.71	6,6	0.26	47,5	1.87	7/8
1AA6FJB8	1SA6FJB8	1GA6FJB8	—	9/16-18	-08	61,7	2.43	32,0	1.26	6,1	0.24	21,3	0.84	11/16
1AA8FJB8†	1SA8FJB8†	1GA8FJB8†	—	3/4-16	-08	65,8	2.59	36,1	1.42	9,4	0.37	27,7	1.09	7/8
—	—	—	1BA8FJB8 4SA8FJB8*	3/4-16	-08	72,9	2.87	43,2	1.70	9,4	0.37	47,5	1.87	7/8
1AA10FJB8†	1SA10FJB8†	1GA10FJB8†	—	7/8-14	-08	70,6	2.78	41,0	1.61	9,7	0.38	30,2	1.19	1
—	—	—	1BA10FJB8 4SA10FJB8*	7/8-14	-08	72,9	2.87	43,2	1.70	9,7	0.37	49,0	1.93	1
1AA10FJB10†	1SA10FJB10†	1GA10FJB10†	1BA10FJB10 4SA10FJB10*	7/8-14	-10	68,6	2.70	39,4	1.55	11,4	0.45	30,2	1.19	1
1AA10FJB12	1SA10FJB12	—	—	7/8-14	-12	65,3	2.57	39,6	1.56	11,7	0.46	30,2	1.19	1
—	1SA12FJB8	—	—	1 1/16-12	-08	86,1	3.39	56,4	2.22	9,7	0.38	45,7	1.80	1 1/4
1AA12FJB10	1SA12FJB10	1GA12FJB10	—	1 1/16-12	-10	84,1	3.31	54,9	2.16	12,7	0.50	45,7	1.80	1 1/4
—	—	—	1BA12FJB10 4SA12FJB10*	1 1/16-12	-10	84,8	3.34	55,4	2.18	12,7	0.50	69,7	2.35	1 1/4
1AA20FJB16	1SA20FJB16	—	—	1 5/8-12	-16	95,8	3.77	62,2	2.45	20,8	0.82	69,9	2.75	2

† Swivel nuts are universal for both SAE 37° and SAE 45° connections.
* Part number denotes 4S equivalent fitting

Female JIC/SAE 37° swivel 90° elbow (FJB) - Cont.

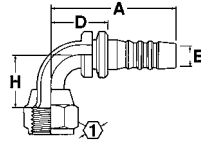
1 Global TTC fittings



For use with hose:

2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



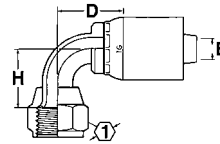
For use with hose:

Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).

Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.

Socket 1SB: 2781, FC195, FC466, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

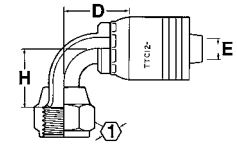
3 Global OTC fittings



For use with hose:

2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:

FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		H		1
						mm	in	mm	in	mm	in	mm	in	
1AA12FJB12	1SA12FJB12	1GA12FJB12	—	1 1/16-12	-12	85,4	3.36	55,1	2.17	17,4	0.58	45,7	1.80	1 1/4
—	—	—	1BA12FJB12	1 1/16-12	-12	85,6	3.37	55,4	2.18	14,2	0.56	69,7	2.35	1 1/4
1AA16FJB12	1SA16FJB12	1GA16FJB12	—	1 5/16-12	-12	85,6	3.37	55,4	2.18	15,5	0.61	60,7	2.39	1 1/2
—	—	—	1BA16FJB12	1 5/16-12	-12	85,6	3.37	55,4	2.18	14,2	0.56	62,5	2.46	1 1/2
1AA16FJB16	1SA16FJB16	1GA16FJB16	—	1 5/16-12	-16	90,4	3.56	55,9	2.20	19,3	0.76	60,7	2.39	1 1/2
—	—	—	1BA16FJB16	1 5/16-12	-16	103,1	4.06	68,6	2.70	19,3	0.76	77,2	3.04	1 1/2
—	1SA16FJB20	—	—	1 5/16-12	-20	101,6	4.00	57,7	2.27	19,3	0.76	60,7	2.39	1 1/2
1AA20FJB20	1SA20FJB20	1GA20FJB20	—	1 5/8-12	-20	108,0	4.25	64,0	2.52	25,7	1.01	69,9	2.75	2
—	—	—	1BA20FJB20	1 5/8-12	-20	120,7	4.75	76,7	3.02	25,7	1.01	86,4	3.40	2
—	—	—	1BA24FJB24	1 7/8-12	-24	137,2	5.40	90,9	3.58	30,2	1.19	100,3	3.95	2 1/4
1AA24FJB24	1SA24FJB24	—	—	1 7/8-12	-24	117,6	4.63	71,4	2.81	32,0	1.26	80,5	3.17	2 1/4

† Swivel nuts are universal for both SAE 37° and SAE 45° connections.

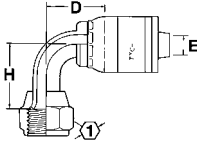
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

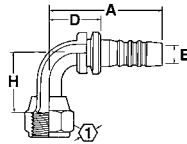
Female JIC/SAE 37° swivel 90° long drop elbow (FJC)

1 Global TTC fittings



For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples

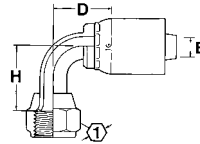


For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).

Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.

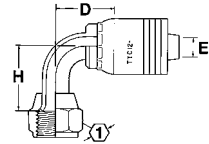
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fitting



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



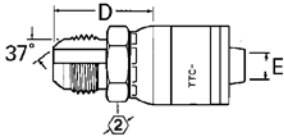
For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		H		① in
						mm	in	mm	in	mm	in	mm	in	
1AA4FJC4 †	1SA4FJC4 †	1GA4FJC4 †	—	7/16-20	-04	46,7	1.84	23,4	0.92	3,8	0.15	45,7	1.80	9/16
1AA5FJC4 †	1SA5FJC4 †	1GA5FJC4 †	—	1/2-20	-04	48,8	1.92	25,4	1.00	4,3	0.17	45,7	1.80	5/8
—	1SA6FJC4	—	—	9/16-18	-04	45,5	1.79	22,1	0.87	4,3	0.17	55,4	2.18	11/16
1AA4FJC6	1SA4FJC6	—	—	7/16-20	-06	46,0	1.81	24,9	0.98	4,3	0.17	45,7	1.80	9/16
1AA6FJC6	1SA6FJC6	1GA6FJC6	—	9/16-18	-06	56,4	2.22	31,2	1.23	6,1	0.24	55,4	2.18	11/16
—	—	—	1BA6FJC6 4SA6FJC6*	9/16-18	-06	61,5	2.42	36,1	1.42	6,1	0.24	69,3	2.73	11/16
1AA8FJC6 †	1SA8FJC6 †	—	—	3/4-16	-06	64,5	2.54	39,1	1.54	6,6	0.26	62,2	2.45	7/8
1AA8FJC8 †	1SA8FJC8 †	1GA8FJC8 †	—	3/4-16	-08	68,8	2.71	39,1	1.54	9,4	0.37	62,2	2.45	7/8
—	—	—	1BA8FJC8	3/4-16	-08	72,9	2.87	43,2	1.70	9,4	0.37	84,6	3.33	7/8
1AA10FJC8 †	1SA10FJC8 †	1GA10FJC8 †	—	7/8-14	-08	70,6	2.78	40,9	1.61	9,7	0.38	65,3	2.57	1
—	—	—	1BA10FJC8 4SA10FJC8*	7/8-14	-08	70,6	2.78	40,9	1.61	9,7	0.38	65,3	2.57	1
1AA10FJC10	1SA10FJC10	—	—	7/8-14	-10	68,6	2.70	39,1	1.54	11,7	0.46	65,3	2.57	1
1AA12FJC12	1SA12FJC12	1GA12FJC12	—	1 1/16-12	-12	85,3	3.36	55,1	2.17	14,7	0.58	94,0	3.70	1 1/4
—	—	—	1BA12FJC12	1 1/16-12	-12	85,6	3.37	55,4	2.18	14,2	0.56	112,0	4.41	1 1/4
1AA16FJC16	1SA16FJC16	1GA16FJC16	—	1 5/16-12	-16	90,4	3.56	55,9	2.20	19,3	0.76	116,3	4.58	1 1/2
—	—	—	1BA16FJC16	1 5/16-12	-16	103,1	4.06	68,6	2.70	19,3	0.76	133,1	5.24	1 1/2
1AA20FJC20	1SA20FJC20	1GA20FJC20	—	1 5/8-12	-20	108,0	4.25	64,0	2.52	25,7	1.01	140,5	5.53	2
—	—	—	1BA20FJC20	1 5/8-12	-20	120,7	4.75	76,7	3.02	25,7	1.01	150,9	5.94	2

† Swivel nuts are universal for both SAE 37° and SAE 45° connections.
* Part number denotes 4S equivalent fitting.

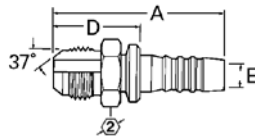
Male JIC/SAE 37° (MJ)

1 Global TTC fittings



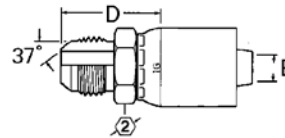
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



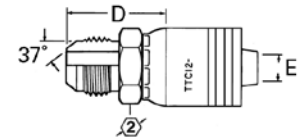
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		① in
						mm	in	mm	in	mm	in	
1AA4MJ4	1SA4MJ4	1GA4MJ4	—	7/16-20	-04	50,8	2.00	27,2	1.07	4,3	0.17	9/16
1AA5MJ4	1SA5MJ4	1GA5MJ4	—	1/2-20	-04	46,7	1.84	23,4	0.92	4,3	0.17	9/16
1AA6MJ4	1SA6MJ4	1GA6MJ4	—	9/16-18	-04	47,0	1.85	23,6	0.93	4,3	0.17	5/8
—	1SA5MJ5	—	—	1/2-20	-05	52,6	2.07	28,4	1.12	5,3	0.21	9/16
1AA6MJ5	1SA6MJ5	1GA6MJ5	—	9/16-18	-05	47,8	1.88	23,9	0.94	5,3	0.21	15/8
1AA6MJ6	1SA6MJ6	1GA6MJ6	1BA6MJ6 4SA6MJ6*	9/16-18	-06	54,9	2.16	29,7	1.17	6,6	0.26	11/16
1AA8MJ6	1SA8MJ6	1GA8MJ6	1BA8MJ6 4SA8MJ6*	3/4-16	-06	53,3	2.10	28,2	1.11	6,6	0.26	13/16
1AA8MJ8	1SA8MJ8	1GA8MJ8	1BA8MJ8 4SA8MJ8*	3/4-16	-08	65,3	2.57	35,8	1.41	9,7	0.38	13/16
1AA10MJ6	1SA10MJ6	—	—	7/8-14	-06	53,3	2.10	30,7	1.21	6,6	0.26	15/16
1AA10MJ8	1SA10MJ8	1GA10MJ8	1BA10MJ8 4SA10MJ8*	7/8-14	-08	61,5	2.42	32,0	1.26	9,7	0.38	15/16
1AA12MJ8	1SA12MJ8	1GA12MJ8	1BA12MJ8 4SA12MJ8*	1 1/16-12	-08	65,8	2.59	36,1	1.42	9,7	0.38	1 1/8
1AA8MJ10	1SA8MJ10	—	—	3/4-16	-10	61,7	2.43	35,8	1.41	12,7	0.50	15/16
1AA10MJ10	1SA10MJ10	1GA10MJ10	1BA10MJ10 4SA10MJ10*	7/8-14	-10	69,3	2.73	39,9	1.57	12,2	0.48	15/16
1AA12MJ10	1SA12MJ10	1GA12MJ10	1BA12MJ10 4SA12MJ10*	1 1/16-12	-10	65,8	2.59	36,3	1.43	12,7	0.50	1 1/8
1AA10MJ12	1SA10MJ12	1GA10MJ12	1BA10MJ12	7/8-14	-12	70,6	2.78	40,4	1.59	12,2	0.48	1 1/8
1AA12MJ12	1SA12MJ12	1GA12MJ12	1BA12MJ12	1 1/16-12	-12	74,7	2.94	44,5	1.75	15,5	0.61	1 1/8
1AA14MJ12	1SA14MJ12	1GA14MJ12	1BA14MJ12	1 3/16-12	-12	69,3	2.73	39,1	1.54	15,5	0.61	1 1/4
1AA16MJ12	1SA16MJ12	1GA16MJ12	1BA16MJ12	1 5/16-12	-12	69,9	2.75	39,6	1.56	15,5	0.61	1 3/8
1AA14MJ16	1SA14MJ16	—	—	1 3/16-12	-16	79,0	3.11	45,7	1.80	18,3	0.72	1 3/8
1AA16MJ16	1SA16MJ16	1GA16MJ16	1BA16MJ16	1 5/16-12	-16	82,6	3.25	48,3	1.90	20,8	0.82	1 3/8
1AA20MJ16	1SA20MJ16	—	—	1 5/8-12	-16	77,0	3.03	43,4	1.71	20,6	0.81	1 11/16
1AA20MJ20	1SA20MJ20	1GA20MJ20	1BA20MJ20	1 5/8-12	-20	98,8	3.89	54,9	2.16	26,7	1.05	1 3/4
1AA24MJ24	1SA24MJ24	1GA24MJ24	1BA24MJ24	1 7/8-12	-24	109,5	4.31	63,2	2.49	32,0	1.26	2
1AA32MJ32	1SA32MJ32	1GA32MJ32	—	2 1/2-12	-32	124,2	4.89	73,9	2.91	44,5	1.75	2 5/8

* Part number denotes 4S equivalent fitting.

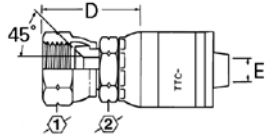
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / IGA / TTC-12 Series)

H

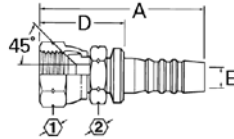
Female SAE 45° swivel (FS)

1 Global TTC fittings



For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples

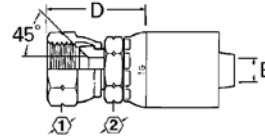


For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).

Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.

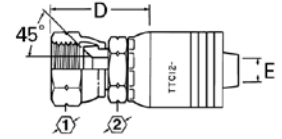
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



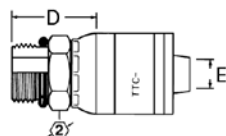
For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		1	2
						mm	in	mm	in	mm	in		
1AA4FS4	1SA4FS4	1GA4FS4	—	7/16-20	-04	50,8	2.00	27,2	1.07	4,3	0.17	9/16	9/16
1AA5FS4	1SA5FS4	1GA5FS4	—	1/2-20	-04	50,3	1.98	26,9	1.06	4,3	0.17	5/8	9/16
1AA4FS6	1SA4FS6	1GA4FS6	1BA4FS6 4SA4FS6*	7/16-20	-06	55,6	2.19	30,2	1.19	4,8	0.19	9/16	11/16
1AA6FS6	1SA6FS6	1GA6FS6	1BA6FS6 4SA6FS6*	5/8-18	-06	58,7	2.31	33,3	1.31	6,6	0.26	3/4	11/16
1AA8FS6	1SA8FS6	1GA8FS6	1BA8FS6	3/4-16	-06	58,7	2.31	33,3	1.31	6,6	0.26	7/8	11/16
1AA8FS8	1SA8FS8	1GA8FS8	1BA8FS8	3/4-16	-08	66,8	2.63	37,1	1.46	9,7	0.38	7/8	13/16
1AA10FS8	1SA10FS8	1GA10FS8	1BA10FS8 4SA10FS8*	7/8-14	-08	67,1	2.64	37,3	1.47	9,7	0.38	1	13/16
—	1SA10FS10	1GA10FS10	—	7/8-14	-10	70,4	2.77	40,9	1.61	12,7	0.50	1	15/16
1AA12FS10	1SA12FS10	—	1BA12FS10	1 1/16-14	-10	69,1	2.72	39,9	1.57	12,7	0.50	1 1/4	1 1/16
1AA12FS12	1SA12FS12	1GA12FS12	1BA12FS12	1 1/16-14	-12	72,1	2.84	41,9	1.65	15,5	0.61	1 1/4	1 1/8

* Part number denotes 4S equivalent fitting.

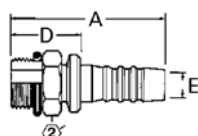
Male boss o-ring (MB)

1 Global TTC fittings



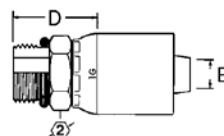
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



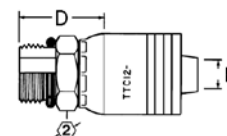
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC195, FC466, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		① in
						mm	in	mm	in	mm	in	
1AA4MB4	1SA4MB4	1GA4MB4	—	7/16-20	-04	46,7	1.84	23,4	0.92	4,3	0.17	9/16
1AA5MB4	1SA5MB4	1GA5MB4	—	1/2-20	-04	46,7	1.84	23,4	0.92	4,3	0.17	5/8
1AA6MB4	1SA6MB4	1GA6MB4	—	9/16-18	-04	45,2	1.78	21,8	0.86	4,3	0.17	11/16
1AA6MB6	1SA6MB6	1GA6MB6	1BA6MB6 4SA6MB6*	9/16-18	-06	50,8	2.00	25,4	1.00	6,6	0.26	11/16
1AA8MB6	1SA8MB6	1GA8MB6	1BA8MB6 4SA8MB6*	3/4-16	-06	50,0	1.97	24,9	0.98	6,6	0.26	7/8
1AA10MB6	1SA10MB6	—	—	7/8-14	-06	47,8	1.88	26,7	1.05	6,6	0.26	1
1AA8MB8	1SA8MB8	1GA8MB8	1BA8MB8 4SA8MB8*	3/4-16	-08	59,9	2.36	30,2	1.19	9,7	0.38	7/8
1AA10MB8	1SA10MB8	1GA10MB8	1BA10MB8 4SA10MB8*	7/8-14	-08	57,4	2.26	27,7	1.09	9,7	0.38	1
1AA12MB8	1SA12MB8	1GA12MB8	1BA12MB8	1 1/16-12	-08	60,7	2.39	31,0	1.22	9,7	0.38	1 1/4
1AA8MB10	1SA8MB10	—	—	3/4-16	-10	56,1	2.21	30,2	1.19	12,7	0.50	15/16
1AA10MB10	1SA10MB10	1GA10MB10	1BA10MB10 4SA10MB10*	7/8-14	-10	59,4	2.34	33,5	1.32	12,7	0.50	1
1AA10MB12	1SA10MB12	—	—	7/8-14	-12	64,3	2.53	37,1	1.46	12,2	0.48	1 1/8
1AA12MB10	1SA12MB10	1GA12MB10	1BA12MB10 4SA12MB10*	1 1/16-12	-10	60,7	2.39	31,2	1.23	12,7	0.50	1 1/4
1AA12MB12	1SA12MB12	1GA12MB12	1BA12MB12	1 1/16-12	-12	62,0	2.44	31,8	1.25	15,5	0.61	1 1/4
1AA16MB12	1SA16MB12	1GA16MB12	1BA16MB12	1 5/16-12	-12	65,0	2.56	34,8	1.37	15,5	0.61	1 1/2
1AA16MB16	1SA16MB16	1GA16MB16	1BA16MB16	1 5/16-12	-16	69,6	2.74	35,3	1.39	20,8	0.82	1 1/2
1AA20MB20	1SA20MB20	1GA20MB20	1BA20MB20	1 5/8-12	-20	92,2	3.63	48,3	1.90	26,7	1.05	1 7/8
1AA24MB24	1SA24MB24	1GA24MB24	1BA24MB24	1 7/8-12	-24	92,2	3.63	46,0	1.81	32,0	1.26	2 1/8

† Nipples do not include O-ring. See pages H-87–H-92 for o-rings.

* Part number denotes 4S equivalent fitting.

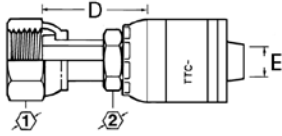
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

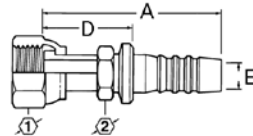
Female ORS swivel (FR)

1 Global TTC fittings



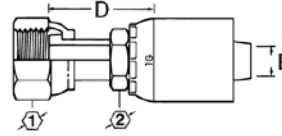
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



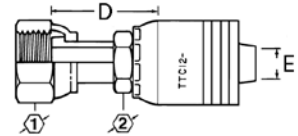
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



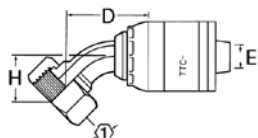
For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		1	2
						mm	in	mm	in	mm	in		
1AA4FR4	1SA4FR4	1GA4FR4	—	9/16-18	-04	49,5	1.95	26,2	1.03	4,3	0.17	11/16	9/16
1AA6FR4	1SA6FR4	1GA6FR4	—	11/16-16	-04	51,8	2.04	28,4	1.12	4,3	0.17	13/16	5/8
1AA8FR4	1SA8FR4	—	—	13/16-16	-04	52,3	2.06	32,5	1.28	4,1	0.16	13/16	15/16
1AA4FR6	1SA4FR6	1GA4FR6	1BA4FR6	9/16-18	-06	54,4	2.14	29,2	1.15	4,3	0.17	11/16	11/16
1AA6FR6	1SA6FR6	1GA6FR6	1BA6FR6 4SA6FR6*	11/16-16	-06	56,6	2.23	31,5	1.24	6,6	0.26	13/16	11/16
1AA8FR6	1SA8FR6	1GA8FR6	1BA8FR6 4SA8FR6*	13/16-16	-06	58,9	2.32	33,5	1.32	6,6	0.26	15/16	13/16
1AA6FR8	1SA6FR8	1GA6FR8	1BA6FR8 4SA6FR8*	11/16-16	-08	63,8	2.51	34,0	1.34	6,6	0.26	13/16	7/8
1AA8FR8	1SA8FR8	1GA8FR8	1BA8FR8 4SA8FR8*	13/16-16	-08	67,8	2.67	38,1	1.50	9,7	0.38	15/16	7/8
1AA10FR8	1SA10FR8	1GA10FR8	1BA10FR8 4SA10FR8*	1-14	-08	67,1	2.64	37,3	1.47	9,7	0.38	1 1/8	15/16
1AA12FR8	1SA12FR8	1GA12FR8	1BA12FR8	1 3/16-16	-08	71,1	2.80	41,4	1.63	9,7	0.38	1 3/8	1 1/8
1AA8FR10	1SA8FR10	1GA8FR10	1BA8FR10	13/16-16	-10	67,8	2.67	38,4	1.51	9,7	0.38	15/16	15/16
1AA10FR10	1SA10FR10	1GA10FR10	1BA10FR10 4SA10FR10	1-14	-10	70,1	2.76	40,9	1.61	12,2	0.48	1 1/8	15/16
1AA12FR10	1SA12FR10	1GA12FR10	1BA12FR10 4SA12FR10*	1 3/16-12	-10	70,9	2.79	41,4	1.63	12,7	0.50	1 3/8	1 1/8
1AA10FR12	1SA10FR12	1GA10FR12	1BA10FR12	1-14	-12	71,4	2.81	41,4	1.62	12,2	0.48	1 1/8	1 1/8
1AA12FR12	1SA12FR12	1GA12FR12	1BA12FR12	1 3/16-12	-12	73,9	2.91	43,7	1.72	15,5	0.61	1 3/8	1 1/8
1AA16FR12	1SA16FR12	1GA16FR12	1BA16FR12	1 7/16-12	-12	75,7	2.98	45,5	1.79	15,5	0.61	1 5/8	1 3/8
1AA12FR16	1SA12FR16	1GA12FR16	1BA12FR16	1 3/16-12	-16	81,8	3.22	47,2	1.86	15,5	0.61	1 3/8	1 3/8
1AA16FR16	1SA16FR16	1GA16FR16	1BA16FR16	1 7/16-12	-16	83,6	3.29	49,3	1.94	20,6	0.81	1 5/8	1 3/8
1AA20FR16	1SA20FR16	1GA20FR16	1BA20FR16	1 11/16-12	-16	82,6	3.25	48,3	1.90	20,6	0.81	1 7/8	1 5/8
1AA20FR20	1SA20FR20	1GA20FR20	1BA20FR20	1 11/16-12	-20	103,4	4.07	59,2	2.33	25,9	1.02	1 7/8	1 3/4
1AA24FR20	1SA24FR20	1GA24FR20	—	2-12	-20	98,6	3.88	54,6	2.15	26,7	1.05	2 1/4	1 13/16
—	—	—	1BA24FR20	2-12	-20	95,0	3.74	55,6	2.19	26,7	1.05	2 1/4	2
1AA24FR24	1SA24FR24	1GA24FR24	—	2-12	-24	102,1	4.02	55,6	2.19	32,0	1.26	2 1/4	2
—	—	—	1BA24FR24	2-12	-24	99,8	3.93	56,1	2.21	32,0	1.26	2 1/4	2

* Part number denotes 4S equivalent fitting

Female ORS swivel 45° elbow (FRA)

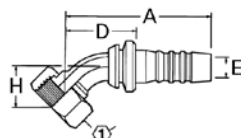
1 Global TTC fittings



For use with hose:

2661 (-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



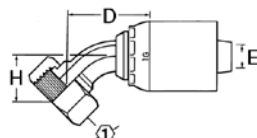
For use with hose:

Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).

Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.

Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

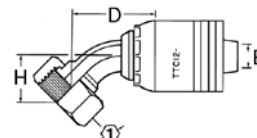
3 Global OTC fittings



For use with hose:

2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:

FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		H		① in
						mm	in	mm	in	mm	in	mm	in	
1AA4FRA4	1SA4FRA4	1GA4FRA4	—	9/16-18	-04	53,8	2.12	30,5	1.20	4,3	0.17	10,2	0.40	11/16
1AA6FRA4	1SA6FRA4	1GA6FRA4	—	11/16-16	-04	58,4	2.30	35,1	1.38	4,3	0.17	10,9	0.43	13/16
1AA4FRA6	1SA4FRA6	1GA4FRA6	1BA4FRA6 4SA4FRA6*	9/16-18	-06	58,4	2.30	33,0	1.30	4,3	0.17	10,4	0.41	11/16
1AA6FRA6	1SA6FRA6	1GA6FRA6	1BA6FRA6 4SA6FRA6*	11/16-16	-06	61,7	2.43	36,3	1.43	6,6	0.26	10,9	0.43	13/16
1AA8FRA6	1SA8FRA6	1GA8FRA6	1BA8FRA6 4SA8FRA6*	13/16-16	-06	69,6	2.74	44,2	1.74	6,6	0.26	15,0	0.59	15/16
1AA6FRA8	1SA6FRA8	—	—	11/16-16	-08	67,3	2.65	37,6	1.48	6,6	0.26	10,9	0.43	13/16
1AA8FRA8	1SA8FRA8	1GA8FRA8	1BA8FRA8 4SA8FRA8*	13/16-16	-08	75,2	2.96	45,5	1.79	9,1	0.36	15,0	0.59	15/16
1AA10FRA8	1SA10FRA8	1GA10FRA8	1BA10FRA8 4SA10FRA8*	1-14	-08	80,8	3.18	51,1	2.01	9,7	0.38	16,5	0.65	1 1/8
1AA12FRA8	1SA12FRA8	1GA12FRA8	—	1 3/16-12	-08	89,2	3.51	59,4	2.34	9,7	0.38	21,1	0.83	1 3/8
1AA10FRA10	1SA10FRA10	1GA10FRA10	1BA10FRA10 4SA10FRA10*	1-14	-10	77,5	3.05	51,1	2.01	11,4	0.45	16,5	0.65	1 1/8
1AA12FRA10	1SA12FRA10	—	1BA12FRA10 4SA12FRA10*	1 3/16-12	-10	89,4	3.52	59,9	2.36	12,7	0.50	21,1	0.83	1 3/8
1AA10FRA12	1SA10FRA12	—	—	1-14	-12	78,5	3.09	51,8	2.04	11,4	0.45	16,5	0.65	1 1/8
1AA12FRA12	1SA12FRA12	1GA12FRA12	1BA12FRA12	1 3/16-12	-12	90,7	3.57	60,5	2.38	14,0	0.55	21,1	0.83	1 3/8
1AA16FRA12	1SA16FRA12	1GA16FRA12	—	1 7/16-12	-12	102,6	4.04	72,4	2.85	15,5	0.61	23,9	0.94	1 5/8
1AA12FRA16	1SA12FRA16	—	—	1 3/16-12	-16	94,5	3.72	60,9	2.40	14,0	0.55	21,1	0.83	1 3/8
1AA16FRA16	1SA16FRA16	1GA16FRA16	1BA16FRA16	1 7/16-12	-16	107,4	4.23	73,2	2.88	19,8	0.78	23,9	0.94	1 5/8
1AA20FRA16	1SA20FRA16	—	—	1 11/16-12	-16	117,3	4.62	83,8	3.30	20,7	0.81	25,4	1.00	1 7/8
1AA20FRA20	1SA20FRA20	1GA20FRA20	1BA20FRA20	1 11/16-12	-20	129,5	5.10	85,6	3.37	25,9	1.02	25,4	1.00	1 7/8
1AA24FRA20	1SA24FRA20	1GA24FRA20	—	2-12	-20	139,4	5.49	95,5	3.76	25,7	1.01	27,2	1.07	2 1/4
1AA24FRA24	1SA24FRA24	1GA24FRA24	—	2-12	-24	115,3	4.54	68,8	2.71	32,0	1.26	27,2	1.07	2 1/4

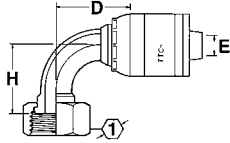
* Part number denotes 4S equivalent fitting.

Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

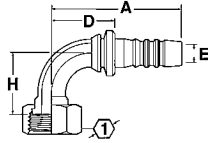
H Female ORS swivel 90° short drop elbow (FRB)

1 Global TTC fittings



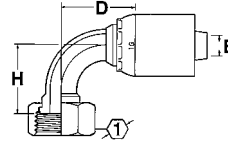
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



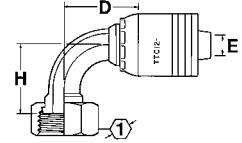
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



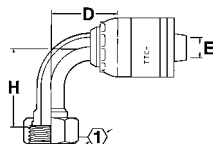
For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		H		1 in
						mm	in	mm	in	mm	in	mm	in	
1AA4FRB4	1SA4FRB4	1GA4FRB4	—	9/16-18	-04	53,1	2.09	29,7	1.17	4,3	0.17	20,8	0.82	11/16
1AA6FRB4	1SA6FRB4	1GA6FRB4	—	11/16-16	-04	56,4	2.22	33,0	1.30	4,3	0.17	22,9	0.90	13/16
—	1SA8FRB4	—	—	13/16-16	-04	60,2	2.37	36,8	1.45	4,3	0.17	30,2	1.19	15/16
1AA4FRB6	1SA4FRB6	1GA4FRB6	—	9/16-18	-06	56,1	2.21	30,7	1.21	4,3	0.17	20,8	0.82	11/16
1AA6FRB6	1SA6FRB6	1GA6FRB6	1BA6FRB6 4SA6FRB6*	11/16-16	-06	59,4	2.34	34,0	1.34	6,6	0.26	22,9	0.90	13/16
1AA8FRB6	1SA8FRB6	1GA8FRB6	1BA8FRB6 4SA8FRB6*	13/16-16	-06	66,5	2.62	41,4	1.62	6,6	0.26	29,2	1.15	15/16
1AA6FRB8	1SA6FRB8	1GA6FRB8	1BA6FRB8 4SA6FRB8*	11/16-16	-08	65,0	2.56	35,3	1.39	6,6	0.26	22,9	0.90	13/16
1AA8FRB8	1SA8FRB8	1GA8FRB8	1BA8FRB8 4SA8FRB8*	13/16-16	-08	72,1	2.84	42,4	1.67	9,1	0.36	29,2	1.15	15/16
1AA10FRB8	1SA10FRB8	1GA10FRB8	1BA10FRB8 4SA10FRB8*	1-14	-08	78,0	3.07	48,5	1.91	9,7	0.38	32,3	1.27	1 1/8
1AA12FRB8	1SA12FRB8	1GA12FRB8	1BA12FRB8 4SA12FRB8*	1 3/16-12	-08	87,6	3.45	57,9	2.28	9,7	0.38	47,8	1.88	1 3/8
1AA10FRB10	1SA10FRB10	1GA10FRB10	1BA10FRB10 4SA10FRB10*	1-14	-10	78,0	3.07	48,5	1.91	11,4	0.45	32,3	1.27	1 1/8
1AA12FRB10	1SA12FRB10	1GA12FRB10	1BA12FRB10 4SA12FRB10*	1 3/16-12	-10	87,4	3.44	58,2	2.29	12,7	0.50	47,8	1.88	1 3/8
1AA10FRB12	1SA10FRB12	1GA10FRB12	—	1-14	-12	79,0	3.11	49,0	1.93	11,4	0.45	32,3	1.27	1 1/8
1AA12FRB12	1SA12FRB12	1GA12FRB12	1BA12FRB12	1 3/16-12	-12	88,6	3.49	58,4	2.30	14,0	0.55	47,8	1.88	1 3/8
1AA16FRB12	1SA16FRB12	1GA16FRB12	1BA16FRB12	1 7/16-12	-12	102,6	4.04	72,4	2.85	15,5	0.61	56,1	2.21	1 5/8
1AA16FRB16	1SA16FRB16	1GA16FRB16	1BA16FRB16	1 7/16-12	-16	107,2	4.22	72,9	2.87	20,6	0.81	56,1	2.21	1 5/8
1AA20FRB16	1SA20FRB16	1GA20FRB16	—	1 11/16-12	-16	123,2	4.85	89,0	3.50	20,6	0.81	63,8	2.51	1 7/8
1AA20FRB20	1SA20FRB20	1GA20FRB20	1BA20FRB20	1 11/16-12	-20	134,6	5.30	90,7	3.57	25,9	1.02	63,8	2.51	1 7/8
1AA24FRB20	1SV24FRB20	—	—	2-12	-20	109,7	4.32	70,4	2.77	26,6	1.05	68,6	2.70	2 1/4
1AA24FRB24	1SA24FRB24	1GA24FRB24	—	2-12	-24	117,6	4.63	71,4	2.81	32,0	1.26	68,6	2.70	2 1/4

* Part number denotes 4S equivalent fitting.

Female ORS swivel 90° long drop elbow (FRC)

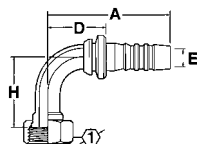
1 Global TTC fittings



For use with hose:

2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



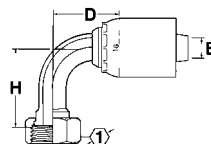
For use with hose:

Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).

Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.

Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

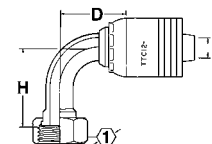
3 Global OTC fittings



For use with hose:

2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:

FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		H		① in
						mm	in	mm	in	mm	in	mm	in	
1AA4FRC4	1SA4FRC4	1GA4FRC4	—	9/16-18	-04	53,1	2.09	29,7	1.17	4,3	0.17	45,7	1.80	11/16
1AA6FRC4	1SA6FRC4	1GA6FRC4	—	11/16-16	-04	56,4	2.22	33,0	1.30	4,3	0.17	54,1	2.13	13/16
1AA8FRC4	1SA8FRC4	1GA8FRC4	—	13/16-16	-04	65,8	2.59	42,4	1.67	4,3	0.17	64,8	2.55	15/16
1AA6FRC6	1SA6FRC6	1GA6FRC6	1BA6FRC6 4SA6FRC6*	11/16-16	-06	59,4	2.34	34,0	1.34	6,1	0.24	54,1	2.13	13/16
1AA8FRC6	1SA8FRC6	1GA8FRC6	1BA8FRC6 4SA8FRC6*	13/16-16	-06	68,8	2.71	43,4	1.71	6,6	0.26	64,8	2.55	15/16
1AA8FRC8	1SA8FRC8	1GA8FRC8	1BA8FRC8 4SA8FRC8*	13/16-16	-08	72,9	2.87	43,2	1.70	9,4	0.37	64,8	2.55	15/16
1AA10FRC8	1SA10FRC8	1GA10FRC8	1BA10FRC8 4SA10FRC8*	1-14	-08	78,0	3.07	48,5	1.91	9,7	0.38	70,1	2.76	1 1/8
1AA10FRC10	1SA10FRC10	1GA10FRC10	1BA10FRC10 4SA10FRC10*	1-14	-10	78,0	3.07	48,5	1.91	11,7	0.46	70,1	2.76	1 1/8
1AA12FRC12	1SA12FRC12	1GA12FRC12	1BA12FRC12	1 3/16-12	-12	88,4	3.48	58,2	2.29	14,2	0.56	96,0	3.78	1 3/8
1AA16FRC12	1SA16FRC12	—	—	1 7/16-12	-12	102,6	4.04	72,4	2.85	15,5	0.61	114,3	4.50	1 5/8
1AA16FRC16	1SA16FRC16	1GA16FRC16	1BA16FRC16	1 7/16-12	-16	107,2	4.22	72,6	2.86	19,8	0.78	114,3	4.50	1 5/8
1AA20FRC20	1SA20FRC20	1GA20FRC20	1BA20FRC20	1 11/16-12	-20	134,6	5.30	90,7	3.57	25,7	1.01	129,3	5.09	1 7/8
1AA24FRC20	1SV24FRC20	—	—	2-12	-20	109,7	4.32	70,4	2.77	26,7	1.05	140,7	5.54	2 1/4
1AA24FRC24	1SA24FRC24	1GA24FRC24	—	2-12	-24	117,6	4.63	71,4	2.81	32,0	1.26	140,7	5.54	2 1/4

* Part number denotes 4S equivalent fitting.

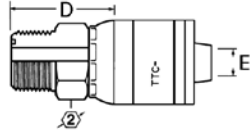
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

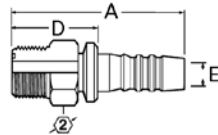
Male ORS (MR)[†]

1 Global TTC fittings



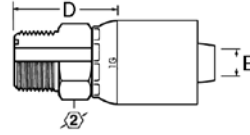
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



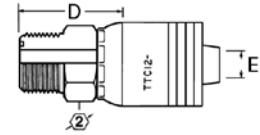
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493, EC525.

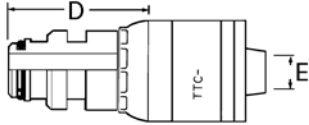
1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		in
						mm	in	mm	in	mm	in	
1AA4MR4	1SA4MR4	1GA4MR4	—	9/16-18	-04	45,2	1.78	21,8	0.86	4,3	0.17	5/8
1AA6MR6	1SA6MR6	1GA6MR6	1BA6MR6 4SA6MR6*	11/16-16	-06	50,5	1.99	25,1	0.99	6,6	0.26	3/4
1AA8MR6	1SA8MR6	1GA8MR6	1BA8MR6 4SA8MR6	13/16-16	-06	49,5	1.95	24,1	0.95	6,6	0.26	7/8
1AA8MR8	1SA8MR8	1GA8MR8	1BA8MR8 4SA8MR8*	13/16-16	-08	58,4	2.30	28,7	1.13	9,7	0.38	7/8
1AA10MR8	1SA10MR8	—	—	1-14	-08	55,1	2.17	29,7	1.17	9,7	0.38	1 1/16
1AA12MR8	1SA12MR8	—	—	1 3/16-12	-08	57,7	2.27	32,3	1.27	9,7	0.38	1 1/4
1AA10MR10	1SA10MR10	—	—	1-14	-10	57,4	2.26	31,5	1.24	12,2	0.48	1 1/16
1AA12MR10	1SA12MR10	—	—	1 3/16-12	-10	57,4	2.26	31,5	1.24	12,7	0.50	1 1/4
1AA12MR12	1SA12MR12	1GA12MR12	1BA12MR12	1 3/16-12	-12	66,8	2.63	36,6	1.44	15,5	0.61	1 1/4
1AA16MR12	1SA16MR12	1GA16MR12	1BA16MR12	1 7/16-12	-12	64,3	2.53	34,0	1.34	15,5	0.61	1 1/2
—	1SA16MR16	—	—	1 7/16-12	-16	76,2	3.00	41,7	1.64	20,6	0.81	1 1/2
1AA16MR16	1SA16MR16	—	—	1 7/16-12	-16	75,2	2.96	41,7	1.64	20,7	0.81	1 1/2
1AA20MR20	1SV20MR20	—	—	1 11/16-12	-20	85,1	3.35	45,7	1.80	26,2	1.03	1 3/4

[†] Does not include O-ring. See pages H-87–H-92 for o-rings.

* Part number denotes 4S equivalent fitting.

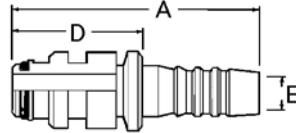
Male Staplok® (SL)

1 Global TTC fittings



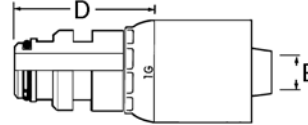
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



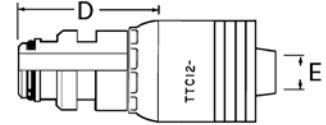
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ	
						mm	in	mm	in	mm	in
1A4SL4	1S4SL4	1G4SL4	—	—	-04	55,4	2.18	32,0	1.26	4,3	0.17
1A6SL6	1S6SL6	1G6SL6	1B6SL6 4S6SL6*	—	-06	58,4	2.30	33,0	1.30	6,6	0.26
1A8SL6	1S8SL6	1G8SL6	1B8SL6 4S8SL6*	—	-06	58,4	2.30	33,0	1.30	6,6	0.26
1A8SL8	1S8SL8	1G8SL8	1B8SL8	—	-08	64,0	2.52	34,3	1.35	9,7	0.38
1A12SL12	1S12SL12	1G12SL12	1B12SL12	—	-12	65,0	2.56	34,8	1.37	15,5	0.61
1A16SL16	1S16SL16	1G16SL16	1B16SL16	—	-16	74,9	2.95	40,6	1.60	20,6	0.81
1A20SL20	1S20SL20	1G20SL20	1B20SL20	—	-20	86,4	3.40	42,4	1.67	26,7	1.05
1A32SL32	1S32SL32	1G32SL32	—	—	-32	98,3	3.87	48,0	1.89	44,5	1.75

* Part number denotes 4S equivalent fitting

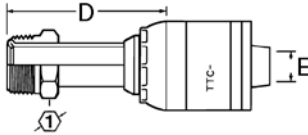
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

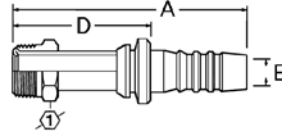
Male SAE inverted flare swivel (MF)

1 Global TTC fittings



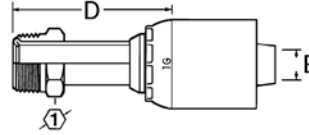
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

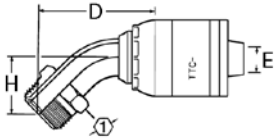
4 Global TTC12 fittings

No offering

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		① in
						mm	in	mm	in	mm	in	
—	1SA4MF3	—	—	7/16-24	-03	54,6	2.15	37,1	1.46	2,5	0.10	7/16
1AA3MF4	1SA3MF4	—	—	3/8-24	-04	61,5	2.42	38,1	1.50	2,5	0.10	3/8
1AA4MF4	1SA4MF4	1GA4MF4	—	7/16-24	-04	60,7	2.39	37,1	1.46	4,3	0.17	7/16
1AA5MF4	1SA5MF4	—	—	1/2-20	-04	60,7	2.39	37,1	1.46	4,3	0.17	1/2
1AA5MF6	1SA5MF6	1GA5MF6	—	1/2-20	-06	66,0	2.60	40,9	1.61	6,1	0.24	1/2
1AA4MF6	1SA4MF6	—	—	7/16-24	-06	64,3	2.53	38,9	1.53	4,3	0.17	7/16
1AA6MF6	1SA6MF6	1GA6MF6	—	5/8-18	-06	66,0	2.60	40,9	1.61	6,6	0.26	5/8
1AA7MF6	1SA7MF6	—	—	11/16-18	-06	62,2	2.45	40,6	1.60	6,6	0.26	11/16
1AA8MF8	1SA8MF8	1GA8MF8	—	3/4-18	-08	70,9	2.79	41,4	1.62	9,7	0.38	3/4
1AA10MF8	1SA10MF8	—	—	7/8-18	-08	74,7	2.94	49,0	1.93	9,7	0.38	7/8

Male SAE inverted flare swivel 45° elbow (MFA)

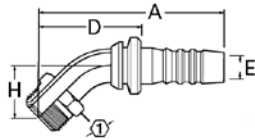
1 Global TTC fittings



For use with hose:

2661 (-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



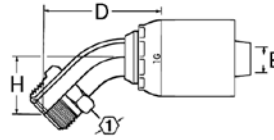
For use with hose:

Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).

Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.

Socket 1SB: 2781, FC195, FC466, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:

2583, 2661, FC466, FC498, FC598, FC619, FC699.

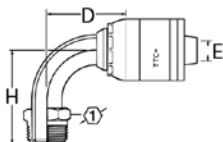
4 Global TTC12 fittings

No offering

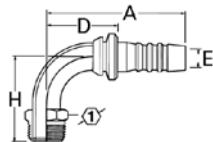
1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		H		① in
						mm	in	mm	in	mm	in	mm	in	
1AA3MFA4	1SA3MFA4			3/8-24	-04	69,9	2.75	49,8	1.96	2,5	0.10	17,5	0.69	3/8
1AA4MFA4	1SA4MFA4	1GA4MFA4	—	7/16-24	-04	67,8	2.67	44,5	1.75	4,3	0.17	24,4	0.96	7/16
1AA5MFA4	1SA5MFA4			1/2-20	-04	64,5	2.54	44,5	1.75	4,3	0.17	24,4	0.96	1/2
1AA4MFA6	1SA4MFA6	—	—	7/16-24	-06	71,4	2.81	46,0	1.81	4,3	0.17	24,4	0.96	7/16
1AA5MFA6	1SA5MFA6	1GA5MFA6	—	1/2-20	-06	73,2	2.88	48,0	1.89	6,1	0.24	24,4	0.96	1/2
1AA6MFA6	1SA6MFA6	1GA6MFA6	—	5/8-18	-06	73,2	2.88	48,0	1.89	6,6	0.26	24,4	0.96	5/8
1AA7MFA6	1SA7MFA6			11/16-18	-06	69,3	2.73	48,0	1.89	6,6	0.26	24,4	0.96	11/16
1AA8MFA8	1SA8MFA8	1GA8MFA8	—	3/4-18	-08	78,0	3.07	48,3	1.90	9,7	0.38	23,6	0.93	3/4

Male SAE inverted flare swivel 90° elbow (MFB)

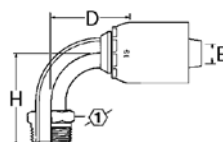
1 Global TTC fittings



2 Global nipples



3 Global OTC fittings



4 Global TTC12 fittings

No offering

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		H		① in
						mm	in	mm	in	mm	in	mm	in	
1AA4MFB4	1SA4MFB4	1GA4MFB4	—	7/16-24	-04	58,2	2.29	34,8	1.37	4,3	0.17	42,3	1.69	7/16
1AA5MFB4	1SA5MFB4	—	—	1/2-20	-04	58,2	2.29	34,8	1.37	4,3	0.17	43,9	1.73	1/2
1AA4MFB6	1SA4MFB6	—	—	7/16-24	-06	61,7	2.43	36,6	1.44	4,3	0.17	42,3	1.69	7/16
1AA5MFB6	1SA5MFB6	1GA5MFB6	—	1/2-20	-06	63,8	2.51	38,4	1.51	6,1	0.24	43,9	1.73	1/2
1AA6MFB6	1SA6MFB6	1GA6MFB6	—	5/8-18	-06	63,8	2.51	38,4	1.51	6,6	0.26	43,9	1.73	5/8
1AA7MFB6	1SA7MFB6			11/16-18	-06	62,0	2.44	40,9	1.61	6,6	0.26	43,9	1.73	11/16
1AA8MFB8	1SA8MFB8	1GA8MFB8	—	3/4-18	-08	69,3	2.73	39,6	1.56	9,7	0.38	44,5	1.75	3/4

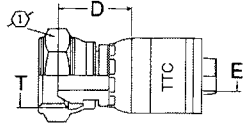
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

JIS/BSPP female swivel (BF)[†]

1 Global TTC fittings



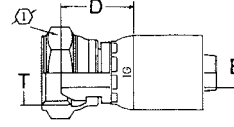
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



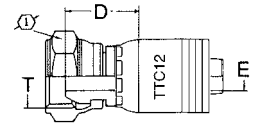
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC195, FC466, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493, EC525.

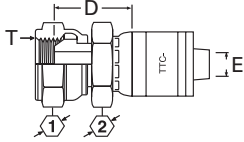
1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. T	Hose size	A		D		EØ		1	
						mm	in	mm	in	mm	in	mm	in
1A4BF4	1S4BF4	1G4BF4	—	G 1/4	-04	42,3	1.66	18,9	0.74	4,2	0.16	19,0	0.75
1A6BF4	1S6BF4	—	—	G 3/8*	-04	45,5	1.79	22,1	0.87	4,3	0.17	22,0	0.87
1A6BF6	1S6BF6	1G6BF6	1B6BF6 4S6BF6*	G 3/8	-06	46,4	1.83	21,1	0.83	6,7	0.26	22,0	0.87
1A8BF6	1S8BF6	1G8BF6	—	G 1/2	-06	47,9	1.88	22,6	0.89	6,7	0.26	27,0	1.06
1A8BF8	1S8BF8	1G8BF8	1B8BF8 4S8BF8*	G 1/2	-08	53,5	2.11	23,8	0.94	9,6	0.38	27,0	1.06
1A10BF8	1S10BF8	—	—	G 5/8*	-08	56,4	2.22	26,7	1.05	9,6	0.38	30,0	1.18
1A10BF10	1S10BF10	1G10BF10	—	G 5/8	-10	54,1	2.13	24,7	0.97	12,8	0.50	30,0	1.18
1A12BF12	1S12BF12	1G12BF12	1B12BF12	G 3/4	-12	55,5	2.18	25,3	1.00	15,5	0.61	32,0	1.26
1A16BF16	1S16BF16	1G16BF16	1B16BF16	G 1	-16	62,0	2.44	27,6	1.09	20,7	0.81	41,0	1.61
1A20BF20	1S20BF20	1G20BF20	1B20BF20	G 1 1/4	-20	73,6	2.90	29,6	1.16	26,6	1.05	50,0	1.97
—	1S24BF24	1G24BF24	1B24BF24	G 1 1/2	-24	80,0	3.15	33,7	1.33	32,0	1.26	55,0	2.16
—	1S32BF32	1G32BF32	—	G 2	-32	85,4	3.36	35,2	1.38	44,4	1.75	70,0	2.75

* Part number denotes 4S equivalent fitting

† The JIS parallel thread and the BSPP connection are interchangeable. G as part of thread size is ISO Designation for parallel thread.

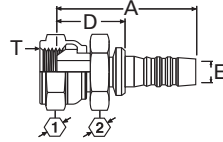
JIS/BSPP female swivel (JM)[†]

1 Global TTC fittings



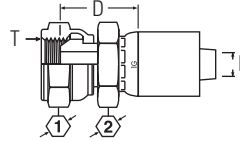
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



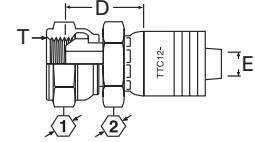
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		1		2	
						mm	in	mm	in	mm	in	mm	in	mm	in
1A4JM4	1S4JM4	1G4JM4	—	G 1/4	-04	47,0	1.85	23,6	0.93	4,2	0.16	19,0	0.75	19,0	0.75
1A6JM6	1S6JM6	1G6JM6	—	G 3/8	-06	51,0	2.01	25,7	1.01	6,7	0.26	22,0	0.87	22,0	0.87
1A8JM8	1S8JM8	1G8JM8	1B8JM8	G 1/2	-08	58,0	2.28	28,3	1.11	9,6	0.38	27,0	1.06	27,0	1.06
1A12JM12	1S12JM12	1G12JM12	1B12JM12	G 3/4	-12	62,0	2.44	31,8	1.25	15,5	0.61	32,0	1.26	36,0	1.42
1A16JM16	1S16JM16	1G16JM16	1B16JM16	G 1	-16	69,0	2.72	34,6	1.36	20,7	0.81	41,0	1.61	41,0	1.61
1A20JM20	1S20JM20	1G20JM20	1B20JM20	G 1 1/4	-20	80,2	3.16	36,2	1.42	26,6	1.05	50,0	1.97	46,0	1.81

[†]The JIS parallel thread and the BSPP connection are interchangeable. G as part of thread size is ISO Designation for parallel thread.

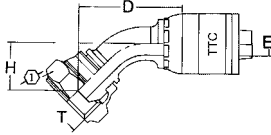
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

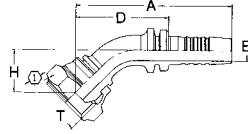
JIS/BSP female swivel, 45° elbow (BFA)†

1 Global TTC fittings



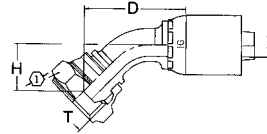
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



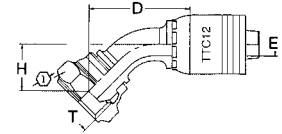
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



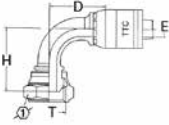
For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		H		1	
						mm	in	mm	in	mm	in	mm	in	mm	in
1A4BFA4	1S4BFA4	1G4BFA4	—	G 1/4	-04	65,3	2.57	41,9	1.65	4,2	0.16	16,5	0.65	19,0	0.75
1A6BFA6	1S6BFA6	1G6BFA6	—	G 3/8	-06	73,8	2.90	48,5	1.91	6,7	0.26	19,0	0.75	22,0	0.87
1A8BFA8	1S8BFA8	1G8BFA8	1B8BFA8 4S8BFA8*	G 1/2	-08	91,5	3.60	61,8	2.43	9,6	0.38	24,8	0.98	27,0	1.06
1A10BFA10	1S10BFA10	1G10BFA10	—	G 5/8	-10	100,4	3.95	71,0	2.79	12,8	0.50	27,4	1.08	30,0	1.18
1A12BFA12	1S12BFA12	1G12BFA12	1B12BFA12	G 3/4	-12	108,8	4.28	78,6	3.09	15,5	0.61	29,4	1.16	32,0	1.26
1A16BFA16	1S16BFA16	1G16BFA16	1B16BFA16	G 1	-16	126,8	4.99	92,4	3.09	20,7	0.81	33,2	1.31	41,0	1.61
1A20BFA20	1S20BFA20	1G20BFA20	1B20BFA20	G 1 1/4	-20	153,6	6.05	109,6	4.31	26,6	1.05	37,2	1.46	50,0	1.97

†The JIS parallel thread and the BSP connection are interchangeable. G as part of thread size is ISO Designation for parallel thread.
* Part number denotes 4S equivalent fitting.

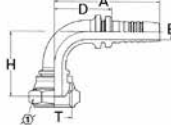
JIS/BSPP female swivel 90° elbow (BFB)†

1 Global TTC fittings



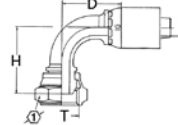
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



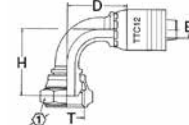
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		H		①	
						mm	in	mm	in	mm	in	mm	in	mm	in
1A4BFB4	1S4BFB4	1G4BFB4	—	G 1/4	-04	45,8	1.80	22,4	0.88	4,2	0.16	24,8	0.98	17,0	0.67
1A6BFB6	1S6BFB6	1G6BFB6	—	G 3/8	-06	58,9	2.32	33,6	1.32	6,7	0.26	35,0	1.38	22,0	0.87
1A8BFB6	1S8BFB6	1G8BFB6	—	G 1/2	-06	75,7	2.98	50,4	1.98	6,7	0.26	47,8	1.88	27,0	1.06
1A8BFB8	1S8BFB8	1G8BFB8	1B8BFB8 4S8BFB8*	G 1/2	-08	65,5	2.58	35,8	1.41	9,6	0.38	37,5	1.48	27,0	1.06
1A10BFB8	1S10BFB8	—	—	G 5/8*	-08	90,7	3.57	61,0	2.40	9,6	0.38	56,3	2.22	27,0	1.06
1A10BFB10	1S10BFB10	1G10BFB10	—	G 5/8	-10	90,6	3.57	61,2	1.41	12,8	0.50	56,3	2.22	27,0	1.06
1A12BFB12	1S12BFB12	1G12BFB12	1B12BFB12	G 3/4	-12	82,2	3.24	52,0	2.05	15,5	0.61	47,5	1.87	32,0	1.26
1A16BFB16	1S16BFB16	1G16BFB16	1B16BFB16	G 1	-16	118,2	4.65	83,8	3.30	20,7	0.81	71,5	2.81	41,0	1.61
1A20BFB20	1S20BFB20	1G20BFB20	1B20BFB20	G 1 1/4	-20	146,2	5.75	102,2	4.02	26,6	1.05	82,5	3.25	50,0	1.97

†The JIS parallel thread and the BSPP connection are interchangeable. G as part of thread size is ISO Designation for parallel thread.

* Part number denotes 4S equivalent fitting.

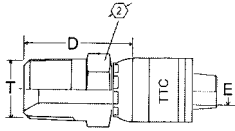
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

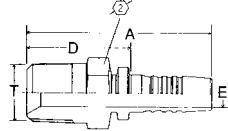
BSP male tapered, BSPT (BT) †

1 Global TTC fittings



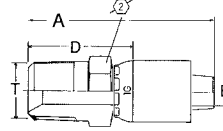
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



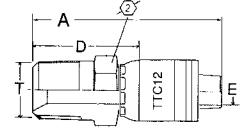
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fitting



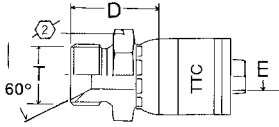
For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		②	
						mm	in	mm	in	mm	in	mm	in
1A4BT4	1S4BT4	1G4BT4	—	R 1/4 -19	-04	50,6	1.99	27,2	1.07	4,2	0.16	14,0	0.55
1A6BT6	1S6BT6	1G6BT6	1B6BT6	R 3/8-19	-06	54,9	2.16	29,6	1.16	6,7	0.26	19,0	0.75
1A8BT8	1S8BT8	1G8BT8	1B8BT8	R 1/2 -14	-08	66,2	2.61	36,5	1.44	9,6	0.38	22,0	0.87
1A12BT12	1S12BT12	1G12BT12	1B12BT12	R 3/4 -14	-12	71,1	2.80	40,9	1.61	15,5	0.61	30,0	1.18
1A16BT16	1S16BT16	1G16BT16	1B16BT16	R 1 -11	-16	81,2	3.20	46,8	1.84	20,7	0.81	36,0	1.42
1A20BT20	1S20BT20	1G20BT20	1B20BT20	R 1 1/4 -11	-20	96,2	3.79	52,2	2.05	26,6	1.05	46,0	1.81
—	—	—	1B24BT24	R 1 1/4 -11	-24	100,8	3.97	54,5	2.14	32,0	1.26	50,0	1.97

†The JIS parallel thread and the BSPP connection are interchangeable.

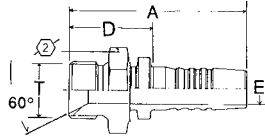
BSP male parallel (BP)

1 Global TTC fittings



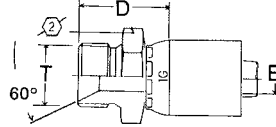
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings

No offering

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		⊕	
						mm	in	mm	in	mm	in	mm	in
1A4BP4	1S4BP4	1G4BP4	—	G 1/4	-04	44,3	1.74	20,9	0.82	4,2	0.16	19,0	0.75
1A6BP6	1S6BP6	1G6BP6	—	G 3/8	-06	48,4	1.90	23,1	0.91	6,7	0.26	22,0	0.87
1A6BP8	1S6BP8			G 3/8	-08	55,9	2.20	26,4	1.04	9,6	0.38	22,0	0.87
1A8BP6	1S8BP6	1G8BP6	—	G 1/2	-06	52,4	2.06	27,1	1.07	6,7	0.26	27,0	1.06
1A8BP8	1S8BP8	1G8BP8	—	G 1/2	-08	58,0	2.28	28,3	1.11	9,6	0.38	27,0	1.06
1A10BP10	1S10BP10			G 5/8	-10	62,0	2.44	35,5	1.25	12,7	0.50	30,0	1.18
1A12BP12	1S12BP12	1G12BP12	—	G 3/4	-12	63,1	2.48	32,9	1.29	15,5	0.61	32,0	1.26
1A16BP16	1S16BP16	1G16BP16	—	G 1	-16	70,9	2.79	36,5	1.44	20,7	0.81	41,0	1.61
1A20BP20	1S20BP20	—	—	G 1 1/4	-20	86,1	3.39	42,2	1.66	26,6	1.50	50,0	1.97

G as part of thread size is ISO Designation for parallel thread.

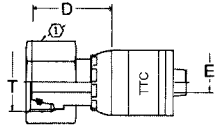
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / IGA / TTC-12 Series)

H

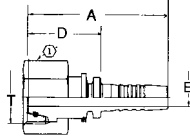
DKO female swivel, light duty (DL)

1 Global TTC fittings



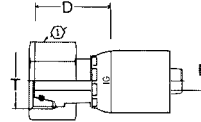
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



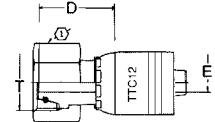
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



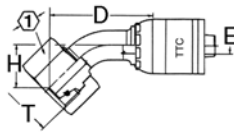
For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. T	Tube O.D.	Hose size	A		D		EØ		①	
							mm	in	mm	in	mm	in	mm	in
1A5DL4	1S5DL4	1G5DL4	—	M12 x 1.5	6	-04	48,0	1.89	24,6	0.97	4,2	0.16	17,0	0.67
1A6DL4	S6DL4	1G6DL4	—	M14 x 1.5	8	-04	46,0	1.81	22,6	0.89	4,2	0.16	17,0	0.67
1A8DL4	1S8DL4	—	—	M16 x 1.5	10	-04	48,3	1.90	24,9	0.98	4,3	0.17	19,0	0.75
1A8DL6	1S8DL6	1G8DL6	1B8DL6 4S8DL6*	M16 x 1.5	10	-06	56,9	2.24	31,6	1.24	6,7	0.26	19,0	0.75
1A10DL6	1S10DL6	1G10DL6	1B10DL6 4S10DL6*	M18 x 1.5	12	-06	51,2	2.01	25,9	1.02	6,7	0.26	22,0	0.87
1A12DL8	1S12DL8	1G12DL8	1B12DL8 4S12DL8*	M22 x 1.5	15	-08	58,3	2.29	28,6	1.12	9,6	0.38	27,0	1.06
1A16DL10	1S16DL10	1G16DL10	1B16DL10 4S16DL10*	M26 x 1.5	18	-10	59,2	2.33	29,8	1.17	12,8	0.50	32,0	1.26
1A20DL12	1S20DL12	1G20DL12	1B20DL12	M30 x 2	22	-12	62,5	2.46	32,3	1.27	15,5	0.61	36,0	1.42
1A25DL16	1S25DL16	1G25DL16	1B25DL16	M36 x 2	28	-16	68,2	2.68	33,8	1.33	20,7	0.81	41,0	1.61
1A32DL20	1S32DL20	1G32DL20	1B32DL20	M45 x 2	35	-20	83,7	3.29	39,7	1.56	26,6	1.05	50,0	1.97
1A40DL24	1S40DL24	1G40DL24	—	M52 x 2	42	-24	87,2	3.43	40,9	1.61	32,0	1.26	60,0	2.36

* Part number denotes 4S equivalent fitting

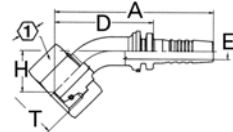
DKO female swivel, light duty, 45° elbow (DLA)

1 Global TTC fittings



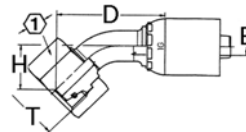
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings

No offering

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. T	Tube O.D.	Hose size	A		D		EØ		H		②	
							mm	in	mm	in	mm	in	mm	in		mm
1A6DLA4	1S6DLA4	1G6DLA4	—	M14 x 1.5	8	-04	62,4	2.46	39,0	1.53	4,2	0.16	17,5	0.69	17,0	0.67
1A8DLA4	1S8DLA4	—	—	M16 X 1.5	10	-04	64,8	2.55	41,5	1.63	0,4	0.17	18,4	0.72	19,0	0.75
1A8DLA6	1S8DLA6	1G8DLA6	—	M16 x 1.5	10	-06	66,8	2.63	41,5	1.63	6,7	0.26	19,0	0.75	19,0	0.75
1A10DLA6	1S10DLA6	1G10DLA6	—	M18 x 1.5	12	-06	69,8	2.75	44,5	1.75	6,7	0.26	20,5	0.81	22,0	0.87
1A12DLA8	1S12DLA8	1G12DLA8	—	M22 x 1.5	15	-08	81,7	3.22	52,0	2.05	9,6	0.38	21,5	0.85	27,0	1.06
1A16DLA10	1S16DLA10	1G16DLA10	—	M26 x 1.5	18	-10	88,4	3.48	59,0	2.32	12,8	0.50	27,5	1.08	32,0	1.26
1A20DLA12	1S20DLA12	1G20DLA12	—	M30 x 2	22	-12	98,4	3.87	68,2	2.68	15,5	0.61	26,0	1.02	36,0	1.42
1A25DLA16	1S25DLA16	1G25DLA16	—	M36 x 2	28	-16	120,0	4.72	85,6	3.37	20,7	0.81	33,5	1.32	41,0	1.61
1A32DLA20	—	—	—	M45 x 2	35	-20	148,0	5.83	104,0	4.09	26,6	1.05	43,0	1.69	50,0	1.97

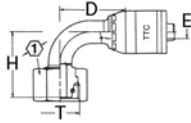
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

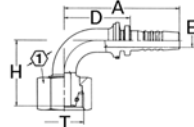
DKO female swivel, light duty, 90° elbow (DLB)

1 Global TTC fittings



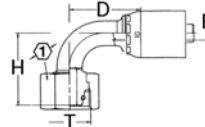
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



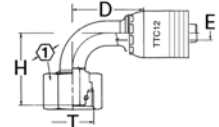
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings

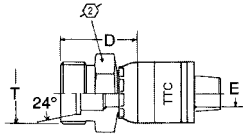


For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. T	Tube O.D.	Hose size	A		D		EØ		H		1
							mm	in	mm	in	mm	in	mm	in	
1A5DLB4	1S5DLB4	1G5DLB4	—	M12 x 1.5	6	-04	49,9	1.96	26,5	1.04	4,2	0.16	26,5	1.04	17,0 0.67
1A6DLB4	1S5DLB4	1G6DLB4	—	M14 x 1.5	8	-04	51,9	2.04	28,5	1.12	4,2	0.16	31,5	1.24	17,0 0.67
1A8DLB4	1S8DLB4	—	—	M16 x 1.5	10	-04	55,4	2.18	32,0	1.26	4,3	0.17	35,5	1.40	19,0 0.75
1A8DLB6	1S8DLB6	1G8DLB6	1B8DLB6	M16 x 1.5	10	-06	57,3	2.25	32,0	1.26	6,7	0.26	35,5	1.40	19,0 0.75
1A10DLB6	1S10DLB6	1G10DLB6	—	M18 x 1.5	12	-06	60,3	2.37	35,0	1.38	6,7	0.26	39,0	1.53	22,0 0.87
1A12DLB8	1S12DLB8	1G12DLB8	1B12DLB8	M22 x 1.5	15	-08	72,0	2.83	42,3	1.66	9,6	0.38	43,0	1.69	27,0 1.06
1A16DLB10	1S16DLB10	1G16DLB10	—	M26 x 1.5	18	-10	82,9	3.26	53,5	2.11	12,8	0.50	59,0	2.32	32,0 1.26
1A20DLB12	1S20DLB12	1G20DLB12	1B20DLB12	M30 x 2	22	-12	95,0	3.74	64,8	2.55	15,5	0.61	54,0	2.12	36,0 1.42
1A25DLB16	1S25DLB16	1G25DLB16	—	M36 x 2	28	-16	154,4	6.08	120,0	4.72	20,7	0.81	71,0	2.79	41,0 1.61
1A32DLB20	—	—	—	M45 x 2	35	-20	119,0	4.68	75,0	2.95	26,6	1.05	76,0	2.99	50,0 1.97

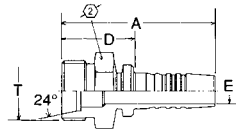
24° male, light duty (DK)

1 Global TTC fittings



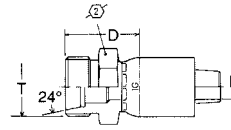
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings

No offering

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. T	Tube O.D.	Hose size	A		D		EØ			
							mm	in	mm	in	mm	in		mm
1A5DK4	1S5DK4	1G5DK4	—	M12 x 1.5	6	-04	44,7	1.76	21,3	0.84	4,2	0.16	12,0	0.47
1A6DK4	1S6DK4	1G6DK4	—	M14 x 1.5	8	-04	44,5	1.75	21,1	0.83	4,2	0.16	14,0	0.55
1A8DK4	1S8DK4	—	—	M16 X 1.5	10	-04	46,0	1.81	22,6	0.89	4,3	0.17	17,0	0.67
1A8DK6	1S8DK6	1G8DK6	—	M16 x 1.5	10	-06	52,0	2.05	26,7	1.05	6,7	0.26	17,0	0.67
1A10DK6	1S10DK6	1G10DK6	—	M18 x 1.5	12	-06	49,0	1.93	23,7	0.93	6,7	0.26	19,0	0.75
1A12DK8	1S12DK8	1G12DK8	—	M22 x 1.5	15	-08	56,0	2.20	26,3	1.03	9,6	0.38	24,0	0.94
1A16DK10	1S16DK10	1G16DK10	—	M26 x 1.5	18	-10	56,0	2.20	26,6	1.05	12,8	0.50	27,0	1.06
1A20DK12	1S20DK12	1G20DK12	—	M30 x 2	22	-12	62,0	2.44	31,8	1.25	15,5	0.61	32,0	1.26
1A25DK16	1S25DK16	1G25DK16	—	M36 x 2	28	-16	66,0	2.60	31,6	1.24	20,7	0.81	41,0	1.61
1A32DK20	1S32DK20	1G32DK20	—	M45 x 2	35	-20	79,4	3.12	35,4	1.39	26,6	1.05	46,0	1.81

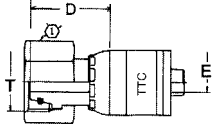
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

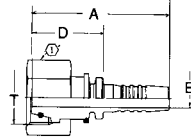
DKO female swivel, heavy duty (DS)

1 Global TTC fittings



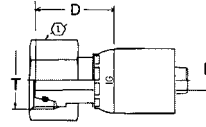
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



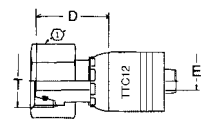
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



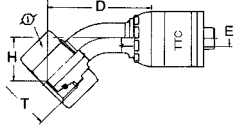
For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. T	Tube O.D.	Hose size	A		D		EØ		1	
							mm	in	mm	in	mm	in		mm
1A5DS4	1S5DS4	1G5DS4	—	M16 x 1.5	8	-04	49,6	1.95	26,2	1.03	4,2	0.16	19,0	0.75
1A6DS4	1S6DS4	1G6DS4	—	M18 x 1.5	10	-04	50,8	2.00	27,4	1.08	4,2	0.16	22,0	0.87
1A8DS4	1S8DS4	—	—	M20 X 1.5	12	-04	50,8	2.00	27,4	1.08	4,3	0.17	24,0	0.94
1A6DS6	1S6DS6	—	—	M18 X 1.5	10	-06	52,8	2.08	27,7	1.09	6,6	0.26	27,0	1.06
1A8DS6	1S8DS6	1G8DS6	1B8DS6 4S8DS6*	M20 x 1.5	12	-06	53,8	2.12	28,5	1.12	6,7	0.26	24,0	0.94
1A10DS6	1S10DS6	1G10DS6	1B10DS6 4S10DS6*	M22 x 1.5	14	-06	56,9	2.24	31,6	1.24	6,7	0.26	27,0	1.06
1A10DS8	1S10DS8	—	—	M22 x 1.5	14	-08	55,2	2.17	25,5	1.00	9,6	0.38	27,0	1.06
1A12DS8	1S12DS8	1G12DS8	1B12DS8 4S12DS8*	M24 x 1.5	16	-08	62,4	2.46	32,7	1.29	9,6	0.38	30,0	1.18
1A16DS10	1S16DS10	1G16DS10	1B16DS10 4S16DS10*	M30 x 2	20	-10	66,9	2.63	37,5	1.48	12,8	0.50	36,0	1.42
1A16DS12	1S16DS12	—	—	M30 x 2	20	-12	60,2	2.37	30,2	1.19	14,0	0.55	36,0	1.42
1A20DS12	1S20DS12	1G20DS12	1B20DS12	M36 x 2	25	-12	72,0	2.83	41,8	1.64	15,5	0.61	46,0	1.81
1A25DS16	1S25DS16	1G25DS16	1B25DS16	M42 x 2	30	-16	78,5	3.09	44,1	1.44	20,7	0.81	50,0	1.97
1A32DS20	—	—	1B32DS20	M52 x 2	38	-20	93,7	3.69	49,7	1.96	26,6	1.05	60,0	2.36

* Part number denotes 4S equivalent fitting

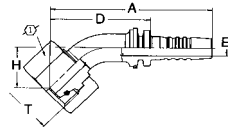
DKO female swivel, heavy duty, 45° elbow (DSA)

1 Global TTC fittings



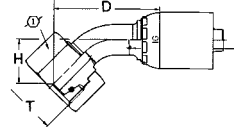
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



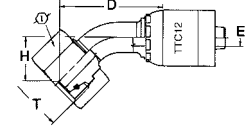
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. T	Tube O.D.	Hose size	A		D		EØ		H		1	
							mm	in	mm	in	mm	in	mm	in		mm
1A6DSA4	1S6DSA4	1G6DSA4	—	M18 x 1.5	10	-04	61,4	2.42	38,0	1.50	4,2	0.16	17,0	0.67	22,0	0.87
1A8DSA6	1S8DSA6	1G8DSA6	1B8DSA6 4S8DSA6*	M20 x 1.5	12	-06	68,3	2.69	43,0	1.69	6,7	0.26	19,0	0.75	24,0	0.94
1A10DSA6	1S10DSA6	1G10DSA6	—	M22 x 1.5	14	-06	68,8	2.71	43,5	1.71	6,7	0.26	20,0	0.79	27,0	1.06
1A12DSA8	1S12DSA8	1G12DSA8	1B12DSA8 4S12DSA8*	M24 x 1.5	16	-08	79,7	3.14	50,0	1.97	9,6	0.38	23,0	0.90	30,0	1.18
1A16DSA10	1S16DSA10	1G16DSA10	1B16DSA10 4S16DSA10*	M30 x 2	20	-10	89,3	3.51	59,9	2.36	12,8	0.50	26,0	1.02	36,0	1.42
1A20DSA12	1S20DSA12	1G20DSA12	1B20DSA12	M36 x 2	25	-12	107,4	4.23	77,2	3.04	15,5	0.61	32,5	1.28	46,0	1.81
1A25DSA16	1S25DSA16	1G25DSA16	1B25DSA16	M42 x 2	30	-16	121,4	4.78	87,0	3.42	20,7	0.81	37,5	1.48	55,0	2.16

* Part number denotes 4S equivalent fitting.

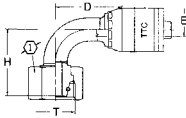
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

DKO female swivel, heavy duty, 90° elbow (DSB)

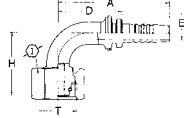
1 Global TTC fittings



For use with hose:

2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



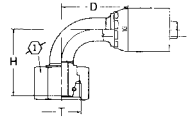
For use with hose:

Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).

Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.

Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

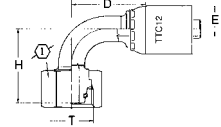
3 Global OTC fittings



For use with hose:

2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:

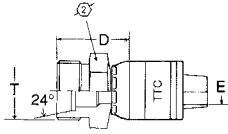
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. T	Tube O.D.	Hose size	A		D		EØ		H		
							mm	in	mm	in	mm	in	mm	in	
1A6DSB4	1S6DSB4	1G6DSB4	—	M18 x 1.5	10	-04	54,5	2.14	31,0	1.22	4,2	0.16	33,5	1.32	22,0 0.87
1A8DSB6	1S8DSB6	1G8DSB6	1B8DSB6 4S8DSB6*	M20 x 1.5	12	-06	60,3	2.37	35,0	1.38	6,7	0.26	35,0	1.38	24,0 0.94
1A10DSB6	1S10DSB6	1G10DSB6	1B10DSB6 4S10DSB6*	M22 x 1.5	14	-06	63,8	2.51	38,5	1.51	6,7	0.26	42,0	1.65	27,0 1.06
1A12DSB8	1S12DSB8	1G12DSB8	1B12DSB8 4S12DSB8*	M24 x 1.5	16	-08	73,7	2.90	44,0	1.73	9,6	0.38	49,0	1.93	30,0 1.18
1A16DSB10	1S16DSB10	1G16DSB10	1B16DSB10 4S16DSB10*	M30 x 2	20	-10	82,0	3.23	52,6	2.07	12,8	0.50	53,5	2.11	36,0 1.42
1A20DSB12	1S20DSB12	1G20DSB12	1B20DSB12	M36 x 2	25	-12	93,0	3.66	62,8	2.47	15,5	0.61	64,5	2.54	46,0 1.81
1A25DSB16	1S25DSB16	1G25DSB16	1B25DSB16	M42 x 2	30	-16	104,0	4.09	69,6	2.74	20,7	0.81	74,0	2.91	50,0 1.97

* Part number denotes 4S equivalent fitting.

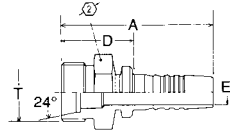
24° male, heavy duty (EK)

1 Global TTC fittings



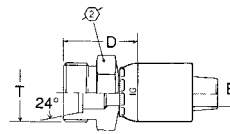
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



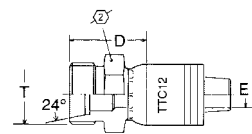
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. T	Tube O.D.	Hose size	A		D		EØ			
							mm	in	mm	in	mm	in		mm
1A4EK4	1S4EK4	—	—	M12 x 1.5	6	-04	44,7	1.76	21,3	0.84	4,2	0.16	12,0	0.47
1A5EK4	1S5EK4	1G5EK4	—	M16 x 1.5	8	-04	47,5	1.87	24,1	0.95	4,2	0.16	17,0	0.67
1A6EK4	1S6EK4	1G6EK4	—	M18 x 1.5	10	-04	40,7	1.60	23,6	0.93	4,2	0.16	19,0	0.75
1A6EK6	1S6EK6	—	1B6EK6 4S6EK6*	M18 x 1.5	10	-06	49,5	1.95	24,1	0.95	6,7	0.26	19,0	0.75
1A8EK6	1S8EK6	1G8EK6	1B8EK6 4S8EK6*	M20 x 1.5	12	-06	50,3	1.98	25,0	0.98	6,7	0.26	22,0	0.87
1A10EK6	1S10EK6	1G10EK6	1B10EK6	M22 x 1.5	14	-06	52,6	2.07	27,3	1.07	6,7	0.26	24,0	0.94
1A12EK8	1S12EK8	1G12EK8	1B12EK8 4S12EK8*	M24 x 1.5	16	-08	58,0	2.28	28,3	1.11	9,6	0.38	27,0	1.06
1A16EK10	1S16EK10	1G16EK10	1B16EK10 4S16EK10*	M30 x 2	20	-10	62,0	2.44	32,6	1.28	12,8	0.50	32,0	1.26
1A16EK12	1S16EK12	—	—	M30 x 2	20	-12	57,7	2.27	30,7	1.21	15,5	0.61	32,0	1.26
1A20EK12	1S20EK12	1G20EK12	1B20EK12	M36 x 2	25	-12	65,5	2.58	35,3	1.39	15,5	0.61	41,0	1.61
1A25EK16	1S25EK16	1G25EK16	1B25EK16	M42 x 2	30	-16	72,3	2.85	37,9	1.49	20,7	0.81	46,0	1.81

* Part number denotes 4S equivalent fitting.

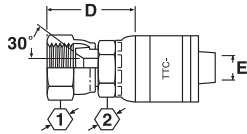
Crimp fittings

Braided, low pressure and four spiral (TTC / 1SA / 1GA / TTC-12 Series)

H

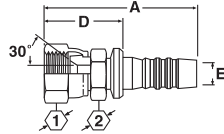
JIS female swivel (JF)

1 Global TTC fittings



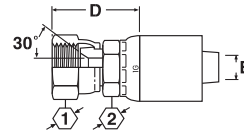
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



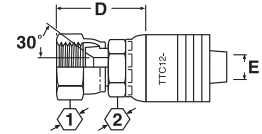
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



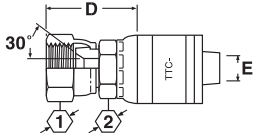
For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		1		2	
						mm	in	mm	in	mm	in	mm	in	mm	in
1A4JF4	1S4JF4	1G4JF4	—	G 1/4	-04	53,2	2.09	29,8	1.17	4,2	0.16	19,0	0.75	19,0	0.75
1A6JF6	1S6JF6	1G6JF6	1B6JF6 4S6JF6*	G 3/8	-06	59,2	2.33	33,9	1.33	6,7	0.26	22,0	0.87	22,0	0.87
1A8JF8	1S8JF8	1G8JF8	1B8JF8 4S8JF8*	G 1/2	-08	66,3	2.61	36,6	1.44	9,6	0.38	27,0	1.06	27,0	1.06
1A12JF10	1S12JF10	—	—	G 3/4	-10	70,6	2.78	45,2	1.78	12,7	0.50	32,0	1.26	36,0	1.42
1A12JF12	1S12JF12	1G12JF12	1B12JF12	G 3/4	-12	73,3	2.88	43,1	1.70	15,5	0.61	32,0	1.26	36,0	1.42
1A16JF16	1S16JF16	1G16JF16	1B16JF16	G 1	-16	83,6	3.29	49,2	1.94	20,7	0.81	41,0	1.61	41,0	1.61
1A20JF20	1S20JF20	1G20JF20	1B20JF20	G 1 1/4	-20	102,1	4.02	58,1	2.29	26,6	1.05	50,0	1.97	46,0	1.81

* Part number denotes 4S equivalent fitting
G as part of thread size is ISO Designation for parallel thread.

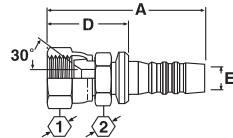
Komatsu female swivel (KF)

1 Global TTC fittings



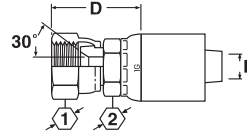
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



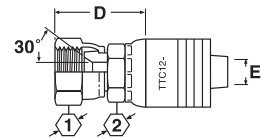
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd.	Hose size	A		D		EØ		①		②	
						mm	in	mm	in	mm	in	mm	in	mm	in
1A4KF4	1S4KF4	1G4KF4	—	M14 x 1.5	-04	56,1	2.21	32,7	1.29	42,2	1.66	19,0	0.75	19,0	0.75
1A6KF6	1S6KF6	1G6KF6	—	M18 x 1.5	-06	60,4	2.38	35,1	1.38	6,7	0.26	24,0	0.94	22,0	0.87
1A8KF8	1S8KF8	1G8KF8	1B8KF8 4S8KF8*	M22 x 1.5	-08	69,5	2.74	39,8	1.57	9,6	0.38	27,0	1.06	27,0	1.06
1A10KF10	1S10KF10	1G10KF10	1B10KF10 4S10KF10*	M24 x 1.5	-10	75,4	2.97	46,0	1.81	12,4	0.49	32,0	1.26	30,0	1.18
1A10KF12	1S10KF12	1G10KF12	—	M24 x 1.5	-12	76,6	3.01	46,4	1.83	12,4	0.49	32,0	1.26	30,0	1.18
1A12KF12	1S12KF12	1G12KF12	1B12KF12	M30 x 1.5	-12	81,5	3.21	51,3	2.02	15,5	0.61	36,0	1.42	36,0	1.42
1A16KF16	1S16KF16	1G16KF16	1B16KF16	M33 x 1.5	-16	91,4	3.60	57,0	2.24	20,7	0.81	41,0	1.61	41,0	1.61
1A20KF20	1S20KF20	1G20KF20	1B20KF20	M36 x 1.5	-20	113,4	4.46	69,4	2.73	26,6	1.05	46,0	1.81	46,0	1.81

* Part number denotes 4S equivalent fitting

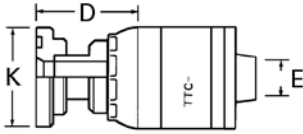
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

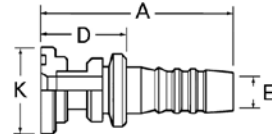
SAE code 61 split flange (FL)

1 Global TTC fittings



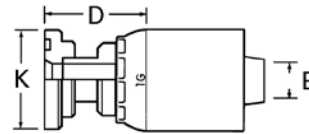
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



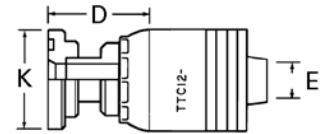
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



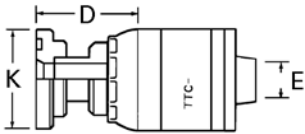
For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		E Ø	
						mm	in	mm	in	mm	in
1A8FL8	1S8FL8	1G8FL8	1B8FL8 4S8FL8*	1.19	-08	82,0	3.23	52,3	2.06	9,7	0.38
1A12FL8	1S12FL8	1G12FL8	1B12FL8 4S12FL8*	1.50	-08	83,1	3.27	53,3	2.10	9,7	0.38
1A12FL10	1S12FL10	1G12FL10	1B12FL10 4S12FL10*	1.50	-10	82,8	3.26	53,3	2.10	12,7	0.50
1A12FL12	1S12FL12	1G12FL12	1B12FL12	1.50	-12	84,1	3.31	53,8	2.12	15,5	0.61
1A16FL12	1S16FL12	1G16FL12	1B16FL12	1.75	-12	84,1	3.31	53,8	2.12	15,5	0.61
1A20FL12	1S20FL12	1G20FL12	1B20FL12	2.00	-12	91,7	3.61	61,5	2.42	15,5	0.61
1A12FL16	1S12FL16	—	—	1.50	-16	89,0	3.50	54,4	2.14	14,7	0.58
1A16FL16	1S16FL16	1G16FL16	1B16FL16	1.75	-16	88,6	3.49	54,4	2.14	20,8	0.82
1A20FL16	1S20FL16	1G20FL16	1B20FL16	2.00	-16	96,3	3.79	62,0	2.44	20,8	0.82
1A24FL16	1S24FL16	1G24FL16	1B24FL16	2.38	-16	97,3	3.83	62,7	2.47	20,8	0.82
1A16FL20	1S16FL20	1G16FL20	1B16FL20	1.75	-20	100,1	3.94	56,1	2.21	20,8	0.82
1A20FL20	1S20FL20	1G20FL20	1B20FL20	2.00	-20	107,7	4.24	63,8	2.51	26,7	1.05

* Part number denotes 4S equivalent fitting.

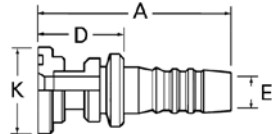
SAE code 61 split flange (FL) - Cont.

1 Global TTC fittings



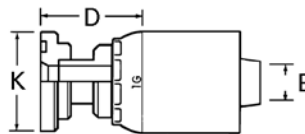
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



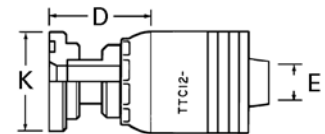
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		EØ	
						mm	in	mm	in	mm	in
1A24FL20	1S24FL20	1G24FL20	1B24FL20	2.38	-20	108,5	4.27	64,5	2.54	26,7	1.05
1A32FL20	1S32FL20	1G32FL20	1B32FL20	2.81	-20	108,5	4.27	64,5	2.54	25,7	1.01
1A20FL24	1S20FL24	1G20FL24	—	2.00	-24	111,0	4.37	64,8	2.55	26,7	1.05
1A24FL24	1S24FL24	1G24FL24	1B24FL24	2.38	-24	111,8	4.40	65,5	2.58	32,0	1.26
1A32FL24	1S32FL24	1G32FL24	1B32FL24	2.81	-24	111,8	4.40	65,5	2.58	30,2	1.19
1A24FL32	1S24FL32	1G24FL32	—	2.38	-32	117,1	4.61	66,8	2.63	32,0	1.26
—	—	—	1B24FL32	2.38	-32	129,8	5.11	66,8	2.63	28,4	1.12
1A32FL32	1S32FL32	1G32FL32	—	2.81	-32	117,1	4.61	66,8	2.63	44,5	1.75
—	—	—	1B32FL32	2.81	-32	129,8	5.11	66,8	2.63	41,4	1.62
1A40FL32	1S40FL32	1G40FL32	—	3.31	-32	116,8	4.60	66,8	2.63	44,5	1.75
—	—	—	1B40FL32	3.31	-32	129,8	5.11	66,8	2.63	41,4	1.62

For flanges, split flange halves, kits and o-rings, see pages H-87-H-92.

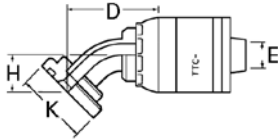
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

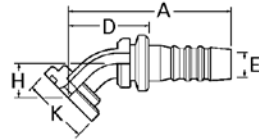
SAE code 61 split flange 45° elbow (FLA)

1 Global TTC fittings



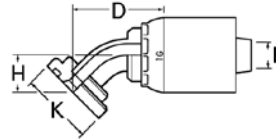
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



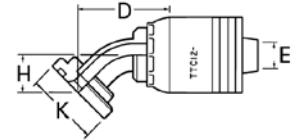
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493, EC525.

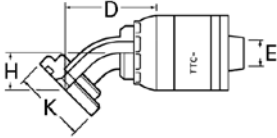
1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		EØ		H	
						mm	in	mm	in	mm	in	mm	in
1A8FLA8	1S8FLA8	1G8FLA8	—	1.19	-08	79,0	3.11	49,3	1.94	9,4	0.37	19,8	0.78
—	—	—	1B8FLA8 4S8FLA8*	1.19	-08	79,5	3.13	49,8	1.96	9,4	0.37	19,8	0.78
1A12FLA8	1S12FLA8	1G12FLA8	—	1.50	-08	92,5	3.64	62,7	2.47	9,4	0.37	25,4	1.00
—	—	—	1B12FLA8 4S12FLA8*	1.50	-08	93,0	3.66	63,5	2.50	9,4	0.37	25,4	1.00
1A12FLA10	1S12FLA10	1G12FLA10	—	1.50	-10	93,5	3.68	64,3	2.53	11,7	0.46	25,4	1.00
—	—	—	1B12FLA10 4S12FLA10*	1.50	-10	91,9	3.62	62,5	2.46	12,7	0.50	25,4	1.00
1A12FLA12	1S12FLA12	1G12FLA12	—	1.50	-12	93,2	3.67	63,0	2.48	14,7	0.58	25,7	1.01
—	—	—	1B12FLA12	1.50	-12	93,0	3.66	62,5	2.46	14,2	0.56	25,4	1.00
1A16FLA12	1S16FLA12	1G16FLA12	—	1.75	-12	105,7	4.16	75,4	2.97	14,7	0.58	26,9	1.06
—	—	—	1B16FLA12	1.75	-12	105,7	4.16	75,4	2.97	14,2	0.56	26,9	1.06
—	—	—	1B20FLA12	2.00	-12	93,0	3.66	62,5	2.46	14,2	0.56	25,4	1.00
1A12FLA16	1S12FLA16	—	—	1.50	-16	99,8	3.93	65,3	2.57	14,7	0.58	25,7	1.01
1A16FLA16	1S16FLA16	1G16FLA16	1B16FLA16	1.75	-16	110,5	4.35	76,2	3.00	19,3	0.76	26,9	1.06
1A20FLA16	1S20FLA16	1G20FLA16	—	2.00	-16	122,2	4.81	87,6	3.45	19,3	0.76	29,2	1.15
—	—	—	1B20FLA16	2.00	-16	122,2	4.81	87,9	3.46	19,3	0.76	29,2	1.15
—	1S16FLA20	1G16FLA20	1B16FLA20	1.75	-20	121,9	4.80	77,7	3.06	19,3	0.76	26,9	1.06
1A16FLA20	—	—	—	1.75	-20	121,9	4.80	77,7	3.06	19,3	0.76	26,9	1.06
—	1S20FLA20	1G20FLA20	—	2.00	-20	134,1	5.28	90,2	3.55	25,7	1.01	30,0	1.18
—	—	—	1B20FLA20	2.00	-20	133,6	5.26	89,4	3.52	25,7	1.01	29,2	1.15

* Part number denotes 4S equivalent fitting.

Braided, low pressure and four spiral
(TTC / ISA / IGA / TTC-12 Series)

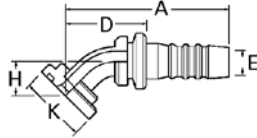
SAE code 61 split flange 45° elbow (FLA) - Cont.

1 Global TTC fittings



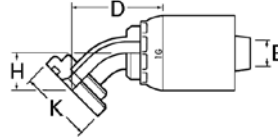
For use with hose:
2661(-12 thru -32), FC310,
FC510, FC579, FC611, FC619
(-12 thru -32), FC639/FC839B,
FC693, FC735, FC849/
FC849B, GH120, GH194,
GH195, GH663, GH681,
GH781, GH793.

2 Global nipples



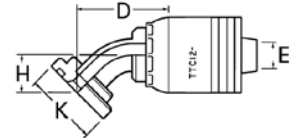
For use with hose:
Clamp: 2661 (-12 thru -20),
FC619 (-12 thru -20).
Socket 1SA: 2681, FC310,
FC510, FC639/FC839B (-4
thru -8), GH194 (-4 thru -20),
GH663, GH681.
Socket 1SB: 2781, FC466,
FC195, FC498, FC598,
FC579, FC639/FC839B (-10
thru -16), FC735 (-4 thru -20),
FC849/FC849B (-06 thru -12),
GH120 (-4 thru -20), GH195,
GH781 (-04 thru -20), GH793,
2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498,
FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493,
EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		EØ		H	
						mm	in	mm	in	mm	in	mm	in
1A20FLA20	—	—	—	2.00	-20	134,1	5.28	90,2	3.55	25,7	1.01	30,0	1.18
1A24FLA20	1S24FLA20	1G24FLA20	1B24FLA20	2.37	-20	150,9	5.94	106,7	4.20	25,7	1.01	35,8	1.41
1A20FLA24	1S20FLA24	1G20FLA24	—	2.00	-24	115,3	4.54	69,1	2.72	32,0	1.26	27,4	1.08
1A24FLA24	1S24FLA24	1G24FLA24	—	2.37	-24	154,2	6.07	108,0	4.25	32,0	1.26	35,8	1.41
—	—	—	1B24FLA24	2.37	-24	154,2	6.07	108,0	4.25	30,2	1.19	35,8	1.41
1A32FLA24	1S32FLA24	—	—	2.81	-24	154,2	6.07	108,0	4.25	32,0	1.26	35,8	1.41
—	—	—	1B32FLA24	2.81	-24	185,4	7.30	138,9	5.47	30,2	1.19	50,8	2.00
1A24FLA32	1S24FLA32	1G24FLA32	—	2.37	-32	159,3	6.27	109,0	4.29	32,0	1.26	35,8	1.41
1A32FLA32	1S32FLA32	1G32FLA32	—	2.81	-32	190,2	7.49	140,2	5.52	44,5	1.75	50,8	2.00
—	—	—	1B32FLA32	2.81	-32	191,3	7.53	128,3	5.05	41,4	1.62	50,8	2.00
1A40FLA32	1S40FLA32	1G40FLA32	—	3.31	-32	133,9	5.27	83,6	3.29	44,5	1.75	33,0	1.30

For flanges, split flange halves, kits and o-rings, see pages H-87-H-92.

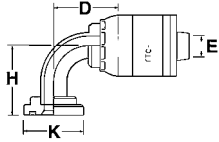
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

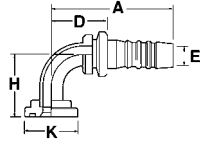
SAE code 61 split flange 90° elbow (FLB)

1 Global TTC fittings



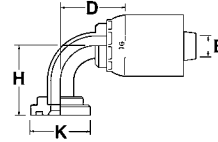
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



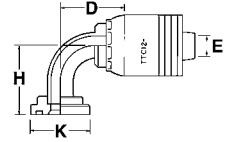
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



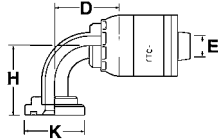
For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		EØ		H	
						mm	in	mm	in	mm	in	mm	in
1A8FLB8	1S8FLB8	1G8FLB8	—	1.19	—08	72,6	2.86	42,3	1.69	9,4	0.37	41,4	1.63
—	—	—	1B8FLB8 4S8FLB8*	1.19	—08	72,9	2.87	43,2	1.70	9,4	0.37	41,4	1.63
1A12FLB8	1S12FLB8	1G12FLB8	—	1.50	—08	87,6	3.45	57,9	2.28	9,4	0.37	54,1	2.13
—	—	—	1B12FLB8 4S12FLB8*	1.50	—08	85,9	3.38	56,1	2.21	9,4	0.37	54,1	2.13
1A12FLB10	1S12FLB10	1G12FLB10	—	1.50	—10	87,4	3.44	58,2	2.29	12,7	0.50	54,1	2.13
—	—	—	1B12FLB10 4S12FLB10*	1.50	—10	87,9	3.46	58,4	2.30	12,7	0.50	54,1	2.13
1A12FLB12	1S12FLB12	1G12FLB12	—	1.50	—12	88,6	3.49	58,4	2.30	14,7	0.58	54,1	2.13
—	—	—	1B12FLB12	1.50	—12	88,6	3.49	58,4	2.30	14,2	0.56	54,1	2.13
1A16FLB12	1S16FLB12	1G16FLB12	—	1.75	—12	102,4	4.03	72,1	2.84	14,7	0.58	60,5	2.38
—	—	—	1B16FLB12	1.75	—12	102,4	4.03	72,1	2.84	14,2	0.56	60,5	2.38
1A20FLB12	1S20FLB12	—	—	2.00	—12	118,6	4.67	88,4	3.48	14,7	0.58	66,5	2.62
—	—	—	1B20FLB12	2.00	—12	88,6	3.49	58,4	2.30	14,2	0.56	66,5	2.62
1A12FLB16	1S12FLB16	1G12FLB16	—	1.50	—16	106,7	4.20	72,4	2.85	19,3	0.76	55,1	2.17
1A16FLB16	1S16FLB16	1G16FLB16	—	1.75	—16	107,2	4.22	72,6	2.86	19,3	0.76	60,5	2.38
—	—	—	1B16FLB16	1.75	—16	107,2	4.22	72,9	2.87	19,3	0.76	60,5	2.38
1A20FLB16	1S20FLB16	1G20FLB16	—	2.00	—16	123,2	4.85	89,0	3.50	19,3	0.76	66,5	2.62
—	—	—	1B20FLB16	2.00	—16	123,4	4.86	89,0	3.50	19,3	0.76	66,5	2.62
1A24FLB16	1S24FLB16	1G24FLB16	1B24FLB16	2.37	—16	142,0	5.59	107,7	4.24	19,3	0.76	79,2	3.12
1A16FLB20	1S16FLB20	1G16FLB20	1B16FLB20	1.75	—20	118,4	4.66	74,4	2.93	19,3	0.76	60,5	2.38
1A20FLB20	1S20FLB20	1G20FLB20	1B20FLB20	2.00	—20	134,6	5.30	90,7	3.57	25,7	1.01	66,5	2.62
—	1S24FLB20	1G24FLB20	1B24FLB20	2.37	—20	153,4	6.04	109,5	4.31	25,7	1.01	79,2	3.12

* Part number denotes 4S equivalent fitting

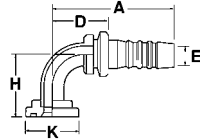
SAE code 61 split flange 90° elbow (FLB) - Cont.

1 Global TTC fittings



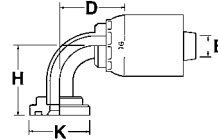
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



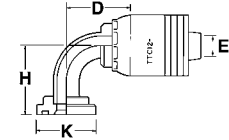
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		E Ø		H	
						mm	in	mm	in	mm	in	mm	in
1A24FLB20	—	—	—	2.37	-20	153,4	6.04	109,5	4.31	25,7	1.01	79,2	3.12
—	1S32FLB20	1G32FLB20	—	2.81	-20	108,0	4.25	64,0	2.52	25,7	1.01	65,0	2.56
1A16FLB24	1S16FLB24	1G16FLB24	—	1.75	-24	121,9	4.80	75,4	2.97	19,3	0.76	60,5	2.38
—	—	—	1B16FLB24	1.75	-24	121,4	4.78	75,2	2.96	19,3	0.76	60,2	2.37
1A20FLB24	1S20FLB24	1G20FLB24	—	2.00	-24	137,9	5.43	91,7	3.61	25,7	1.01	66,5	2.62
1A24FLB24	1S24FLB24	1G24FLB24	—	2.37	-24	157,0	6.18	110,5	4.35	32,0	1.26	79,2	3.12
—	—	—	1B24FLB24	2.37	-24	157,0	6.18	110,5	4.35	30,2	1.19	79,2	3.12
1A32FLB24	1S32FLB24	1G32FLB24	—	2.81	-24	184,9	7.28	138,4	5.45	32,0	1.26	114,3	4.50
—	—	—	1B32FLB24	2.81	-24	184,9	7.28	138,4	5.45	30,2	1.19	114,3	4.50
1A24FLB32	1S24FLB32	—	—	2.37	-32	161,8	6.37	111,8	4.40	32,0	1.26	79,2	3.12
—	—	—	1B24FLB32	2.37	-32	174,0	6.85	111,0	4.37	28,4	1.12	79,2	3.12
1A32FLB32	1S32FLB32	1G32FLB32	—	2.81	-32	189,7	7.47	139,4	5.49	44,5	1.75	114,3	4.50
—	—	—	1B32FLB32	2.81	-32	182,9	7.20	119,9	4.72	41,4	1.62	114,3	4.50
1A40FLB32	1S40FLB32	1G40FLB32	—	3.31	-32	189,7	7.47	139,4	5.49	44,5	1.75	115,8	4.56
—	—	—	1B40FLB32	3.31	-32	182,9	7.20	119,9	4.72	41,4	1.62	115,8	4.56

For flanges, split flange halves, kits and o-rings, see pages H-87-H-92.

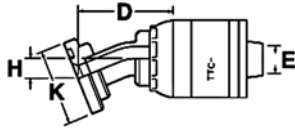
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

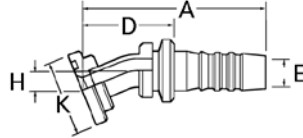
SAE code 61 split flange 22 1/2° elbow (FLD)

1 Global TTC fittings



For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples

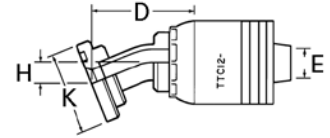


For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fittings

No offering

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 p art #	Thd. Flange head Dia. K Ø	Hose size	A		D		EØ		H	
						mm	in	mm	in	mm	in	mm	in
—	—	—	1B8FLD8 4S8FLD8*	1.19	-08	85,9	3.38	55,9	2.20	9,4	0.37	9,1	0.36
—	—	—	1B12FLD8 4S12FLD8*	1.50	-08	100,8	3.97	71,1	2.80	9,4	0.37	11,2	0.44
—	—	—	1B12FLD12	1.50	-12	101,9	4.01	71,6	2.82	14,2	0.56	11,2	0.44
—	—	—	1B16FLD12	1.75	-12	113,0	4.45	82,8	3.26	14,2	0.56	11,4	0.45
1A16FLD16	1S16FLD16	—	1B16FLD16	1.75	-16	117,9	4.64	83,6	3.29	19,3	0.76	11,4	0.45
1A20FLD16	1S20FLD16	—	1B20FLD16	2.00	-16	130,0	5.12	95,8	3.77	19,3	0.76	11,7	0.46
1A20FLD20	1S20FLD20	—	1B20FLD20	2.00	-20	141,5	5.57	97,3	3.83	25,7	1.01	11,7	0.46
—	—	—	1B24FLD20	2.37	-20	160,3	6.31	116,3	4.58	25,7	1.01	14,2	0.56
—	—	—	1B24FLD24	2.37	-24	163,8	6.45	117,6	4.63	30,2	1.19	14,2	0.56
—	—	—	1B32FLD32	2.81	-32	54,1	2.13	117,9	4.64	41,4	1.62	22,4	0.88

For flanges, split flange halves, kits and o-rings, see pages H-87–H-92.

* Part number denotes 4S equivalent fitting.

Braided, low pressure and four spiral
(TTC / ISA / IGA / TTC-12 Series)

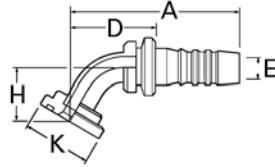
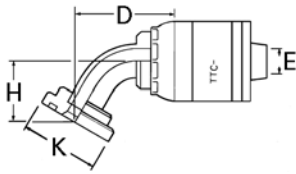
SAE Code 61 Split Flange 67 1/2° Elbow (FLE)

1 Global TTC fittings

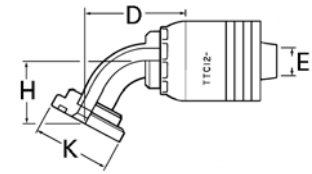
2 Global nipples

3 Global OTC fittings

4 Global TTC12 fittings



No offering



1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		EØ		H	
						mm	in	mm	in	mm	in	mm	in
—	—	—	1B8FLE8 4S8FLE8*	1.19	-08	86,4	3.40	56,9	2.24	9,4	0.37	32,3	1.27
—	—	—	1B12FLE12	1.50	-12	107,2	4.22	77,2	3.04	14,2	0.56	40,4	1.59
—	—	—	1B16FLE12	1.75	-12	122,9	4.84	92,7	3.65	14,2	0.56	44,2	1.74
—	—	—	1B16FLE16	1.75	-16	127,8	5.03	93,2	3.67	19,3	0.76	44,2	1.74
—	—	—	1B20FLE16	2.00	-16	145,5	5.73	111,3	4.38	19,3	0.76	46,5	1.83
1A20FLE20	1S20FLE20	—	1B20FLE20	2.00	-20	157,0	6.18	112,8	4.44	25,7	1.01	46,5	1.83
—	—	—	1B24FLE24	2.37	-24	183,1	7.21	136,9	5.39	30,2	1.19	54,4	2.14
1A24FLE20	1ST24FLE20	—	—	2.37	-24	189,7	7.47	143,5	5.65	30,2	1.19	46,0	1.81
—	—	—	1B32FLE32	2.81	-32	192,3	7.57	129,0	5.08	41,4	1.62	82,6	3.25

For flanges, split flange halves, kits and o-rings, see pages H-87–H-92.
* Part number denotes 4S equivalent fitting.

SAE code 61 split flange 30° elbow (FLF)

1 Global TTC fittings

2 Global nipples

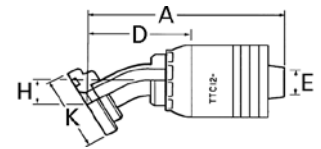
3 Global OTC fitting

4 Global TTC12 fittings

No offering

No offering

No offering



For use with hose:
FC636, FC736, GH493,
EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		EØ		H	
						mm	in	mm	in	mm	in	mm	in
—	—	—	1B8FLF8 4S8FLF8*	1.19	-08	84,3	3.32	54,6	2.15	9,4	0.37	12,7	0.50
—	—	—	1B12FLF12	1.50	-12	100,1	3.94	69,9	2.75	14,2	0.56	15,7	0.62
—	—	—	1B16FLF12	1.75	-12	111,3	4.38	81,0	3.19	14,2	0.56	16,3	0.64
—	—	—	1B16FLF16	1.75	-16	116,1	4.57	81,8	3.22	19,3	0.76	16,3	0.64
—	—	—	1B20FLF16	2.00	-16	128,0	5.04	93,7	3.69	19,3	0.76	17,0	0.67
—	—	—	1B20FLF20	2.00	-20	139,4	5.49	95,5	3.76	25,7	1.01	17,0	0.67
—	—	—	1B24FLF20	2.37	-20	158,0	6.22	114,0	4.49	25,7	1.01	20,8	0.82
—	—	—	1B24FLF24	2.37	-24	161,5	6.36	115,3	4.54	30,2	1.19	20,8	0.82
—	—	—	1B32FLF32	2.81	-32	187,2	7.37	124,0	4.88	41,4	1.62	31,8	1.25
—	—	—	1B40FLF32	3.31	-32	188,5	7.42	125,2	4.93	41,4	1.62	32,5	1.28

For flanges, split flange halves, kits and o-rings, see pages H-87–H-92.
* Part number denotes 4S equivalent fitting.

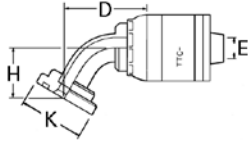
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

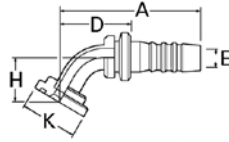
SAE code 61 split flange 60° elbow (FLG)

1 Global TTC fittings



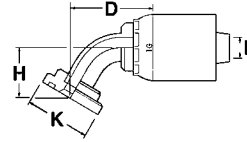
For use with hose:
2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



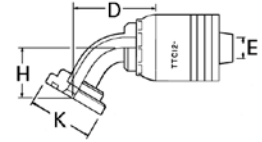
For use with hose:
Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).
Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.
Socket 1SB: 2781, FC466, FC195, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

3 Global OTC fitting



For use with hose:
2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		E Ø		H	
						mm	in	mm	in	mm	in	mm	in
—	—	—	1B8FLG8 4S8FLG8*	1.19	-08	90,7	3.57	61,0	2.40	9,4	0.37	28,7	1.13
—	—	—	1B12FLG12	1.50	-12	112,3	4.42	82,0	3.23	14,2	0.56	35,3	1.39
—	—	—	1B16FLG12	1.75	-12	128,3	5.05	98,0	3.86	14,2	0.56	38,4	1.51
1A16FLG16	1S16FLG16	1G16FLG16	1B16FLG16	1.75	-16	133,1	5.24	98,8	3.89	19,3	0.76	38,4	1.51
—	1S20FLG16	—	1B20FLG16	2.00	-16	151,1	5.95	116,8	4.60	19,3	0.76	39,9	1.57
—	—	—	1B20FLG20	2.00	-20	162,6	6.40	118,6	4.67	25,7	1.01	39,9	1.57
—	—	—	1B24FLG20	2.37	-20	186,4	7.34	142,5	5.61	25,7	1.01	46,0	1.81
1A24FLG24	1S24FLG24	1G24FLG24	1B24FLG24	2.37	-24	189,7	7.47	143,5	5.65	30,2	1.19	46,0	1.81
—	—	—	1B32FLG32	2.81	-32	195,1	7.68	132,1	5.20	41,4	1.62	72,9	2.87

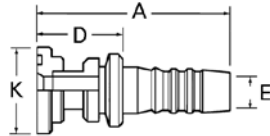
For flanges, split flange halves, kits and o-rings, see pages H-87-H-92.
* Part number denotes 4S equivalent fitting.

SAE code 62 split flange (FH)

1 Global TTC fittings

No offering

2 Global nipples



For use with hose:

Clamp: 2661 (-12 thru -20),
FC619 (-12 thru -20).

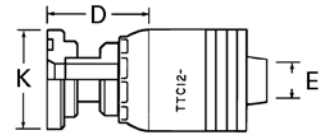
Socket 1SA: 2681, FC195,
FC310, FC510, FC639/
FC839B (-4 thru -8), GH194
(-4 thru -20), GH663, GH681.

Socket 1SB: 2781, FC466,
FC498, FC598, FC579,
FC639/FC839B (-10 thru -16),
FC735 (-4 thru -20), FC849/
FC849B (-06 thru -12), GH120
(-4 thru -20), GH195, GH781
(-04 thru -20), GH793, 2766.

3 Global OTC fitting

No offering

4 Global TTC12 fittings



For use with hose:

FC636, FC736, GH493,
EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		EØ	
						mm	in	mm	in	mm	in
—	—	—	1B8FH8 4S8FH8*	1.25	-08	82,0	3.23	52,3	2.06	9,4	0.37
—	—	—	1B12FH8 4S12FH8*	1.63	-08	83,1	3.27	53,3	2.10	9,7	0.38
—	—	—	1B12FH10 4S12FH10*	1.63	-10	82,8	3.26	53,6	2.11	12,7	0.50
—	—	—	1B12FH12	1.63	-12	84,1	3.31	53,8	2.12	15,5	0.61
—	—	—	1B16FH12	1.87	-12	84,1	3.31	53,8	2.12	15,5	0.61
—	—	—	1B16FH16	1.87	-16	89,0	3.50	54,4	2.14	20,6	0.81
—	—	—	1B20FH16	2.13	-16	96,5	3.80	62,0	2.44	20,6	0.81
1S20FH20	—	—	1B20FH20	2.13	-20	107,7	4.24	63,8	2.51	26,7	1.05
—	—	—	1B24FH20	2.50	-20	107,7	4.24	63,8	2.51	26,7	1.05
—	—	—	1B24FH24	2.50	-24	111,8	4.40	65,5	2.58	32,0	1.26
—	—	—	1B32FH32	3.12	-32	129,8	5.11	66,8	2.63	41,4	1.62

For flanges, split flange halves, kits and o-rings, see pages H-87-H-92. * Part number denotes 4S equivalent fitting.

SAE code 62 split flange 22 1/2° elbow (FHD)

1 Global TTC fittings

No offering

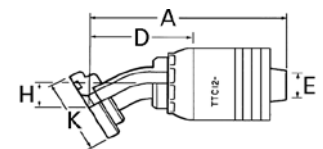
2 Global nipples

No offering

3 Global OTC fitting

No offering

4 Global TTC12 fittings



1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		EØ		H	
						mm	in	mm	in	mm	in	mm	in
—	—	—	1B32FHD32	3.12	-32	169,9	6.69	117,9	4.64	41,4	1.62	22,4	0.88

For flanges, split flange halves, kits and o-rings, see pages H-87-H-92.

Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

SAE code 62 split flange 30° elbow (FHF)

1 Global TTC fittings

No offering

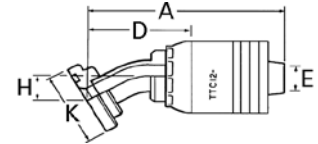
2 Global nipples

No offering

3 Global OTC fitting

No offering

4 Global TTC12 fittings



For use with hose:

FC636, FC736, GH493,
EC525.

1 Nipple part #	2 OTC part #	3 TTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		EØ		H	
						mm	in	mm	in	mm	in	mm	in
—	—	—	1B32FHF32	3.12	-32	176,0	6.93	124,0	4.88	41,4	1.62	31,8	1.25

For flanges, split flange halves, kits and o-rings, see pages H-87–H-92.

SAE code 62 split flange 45° elbow (FHA)

1 Global TTC fittings

No offering

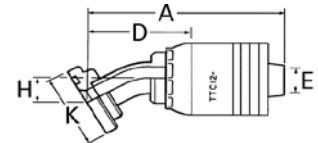
2 Global nipples

No offering

3 Global OTC fitting

No offering

4 Global TTC12 fittings



For use with hose:

FC636, FC736, GH493,
EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		EØ		H	
						mm	in	mm	in	mm	in	mm	in
—	—	—	1B12FHA12	1.63	-12	93,0	3.66	62,5	2.46	14,2	0.56	25,4	1.00
—	—	—	1B16FHA16	1.87	-16	110,5	4.35	76,2	3.00	19,3	0.76	26,9	1.06
—	—	—	1B20FHA16	2.13	-16	122,2	4.81	87,9	3.46	19,3	0.76	29,2	1.15
—	—	—	1B20FHA20	2.13	-20	133,6	5.26	89,4	3.52	25,7	1.01	29,2	1.15
—	—	—	1B24FHA24	2.50	-24	154,2	6.07	108,0	4.25	30,2	1.19	35,8	1.41
—	—	—	1B32FHA32	3.12	-32	191,3	7.53	128,3	5.05	41,4	1.62	50,8	2.00

For flanges, split flange halves, kits and o-rings, see pages H-87–H-92.

SAE code 62 split flange 60° elbow (FHG)

1 Global TTC fittings

No offering

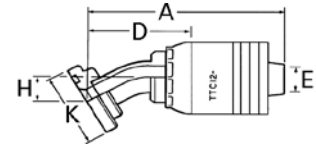
2 Global nipples

No offering

3 Global OTC fitting

No offering

4 Global TTC12 fittings



1 Nipple part #	2 OTC part #	3 TTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		EØ		H	
						mm	in	mm	in	mm	in	mm	in
—	—	—	1B16FHG16	1.87	-16	132,3	5.21	98,6	3.88	20,6	0.81	38,4	1.51
—	—	—	1B20FHG16	2.13	-16	150,6	5.93	116,8	4.60	20,6	0.81	39,9	1.57
—	—	—	1B32FHG32	3.12	-32	184,2	7.25	132,1	5.20	41,4	1.62	72,9	2.87

For flanges, split flange halves, kits and o-rings, see pages H-87–H-92.

SAE code 62 split flange 67 1/2° elbow (FHE)

1 Global TTC fittings

No offering

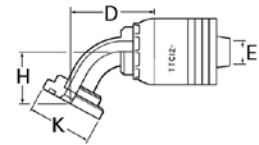
2 Global nipples

No offering

3 Global OTC fitting

No offering

4 Global TTC12 fittings



1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		EØ		H	
						mm	in	mm	in	mm	in	mm	in
—	—	—	1B32FHE32	3.12	-32	181,1	7.13	129,0	5.08	41,4	1.62	82,6	3.25

For flanges, split flange halves, kits and o-rings, see pages H-87–H-92.

Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

SAE code 62 split flange 90° elbow (FHB)

1 Global TTC fittings

No offering

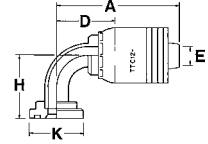
2 Global nipples

No offering

3 Global OTC fitting

No offering

4 Global TTC12 fittings



For use with hose:
FC636, FC736, GH493,
EC525.

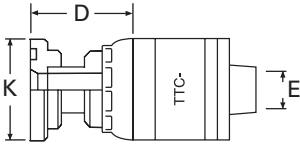
1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Flange head Dia. K Ø	Hose size	A		D		EØ		H	
						mm	in	mm	in	mm	in	mm	in
—	—	—	1B8FHB8 4S8FHB8*	1.25	-08	72,9	2.87	43,2	1.70	9,4	0.37	41,4	1.63
—	—	—	1B12FHB12	1.63	-12	88,6	3.49	58,4	2.30	14,2	0.56	54,1	2.13
—	—	—	1B16FHB12	1.87	-12	102,4	4.03	72,1	2.84	14,2	0.56	60,5	2.38
—	—	—	1B16FHB16	1.87	-16	107,2	4.22	72,6	2.86	19,3	0.76	60,5	2.38
—	—	—	1B20FHB16	2.13	-16	123,2	4.85	89,0	3.50	19,3	0.76	66,5	2.62
—	—	—	1B20FHB20	2.13	-20	134,6	5.30	90,7	3.57	25,7	1.01	66,5	2.62
—	—	—	1B24FHB24	2.50	-24	159,5	6.28	110,5	4.35	30,2	1.19	79,2	3.12
—	—	—	1B32FHB32	3.12	-32	182,9	7.20	119,9	4.72	41,4	1.62	114,3	4.50

For flanges, split flange halves, kits and o-rings, see pages H-87–H-92.

* Part number denotes 4S equivalent fitting.

Komatsu split flange (KS)

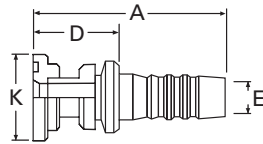
1 Global TTC fittings



For use with hose:

2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



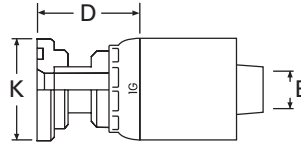
For use with hose:

Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).

Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.

Socket 1SB: 2781, FC195, FC466, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

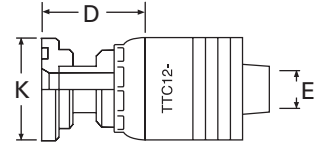
3 Global OTC fitting



For use with hose:

2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



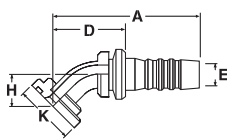
For use with hose:

FC636, FC736, GH493, EC525.

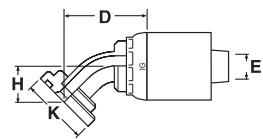
1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		EØ	
						mm	in	mm	in	mm	in
1A10KS10	1S10KS10	1G10KS10	1B10KS10	34.2	-10	94,2	0.16	64,8	2.55	11,5	0.45

Komatsu split flange 45° elbow (KSA)

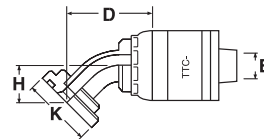
1 Global TTC fittings



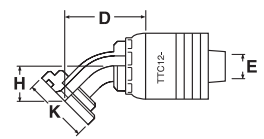
2 Global nipples



3 Global OTC fitting



4 Global TTC12 fittings



1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		EØ		H	
						mm	in	mm	in	mm	in		
1A10KSA10	1S10KSA10	1G10KSA10	1B10KSA10	34.2	-10	86,1	3.39	56,7	2.23	11,5	0.45	21,8	0.86

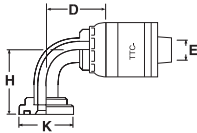
Crimp fittings

Braided, low pressure and four spiral
(TTC / 1SA / 1GA / TTC-12 Series)

H

Komatsu split flange 90° elbow (KSB)

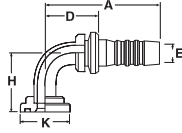
1 Global TTC fittings



For use with hose:

2661(-12 thru -32), FC310, FC510, FC579, FC611, FC619 (-12 thru -32), FC639/FC839B, FC693, FC735, FC849/FC849B, GH120, GH194, GH195, GH663, GH681, GH781, GH793.

2 Global nipples



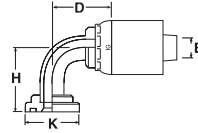
For use with hose:

Clamp: 2661 (-12 thru -20), FC619 (-12 thru -20).

Socket 1SA: 2681, FC310, FC510, FC639/FC839B (-4 thru -8), GH194 (-4 thru -20), GH663, GH681.

Socket 1SB: 2781, FC195, FC466, FC498, FC598, FC579, FC639/FC839B (-10 thru -16), FC735 (-4 thru -20), FC849/FC849B (-06 thru -12), GH120 (-4 thru -20), GH195, GH781 (-04 thru -20), GH793, 2766.

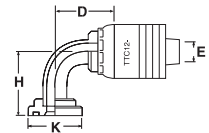
3 Global OTC fitting



For use with hose:

2583, 2661, FC466, FC498, FC598, FC619, FC699.

4 Global TTC12 fittings



For use with hose:

FC636, FC736, GH493, EC525.

1 TTC part #	2 Nipple part #	3 OTC part #	4 TTC12 part #	Thd. Flange head Dia. K Ø	Hose size	A		D		EØ		H	
						mm	in	mm	in	mm	in	mm	in
1A10KSB10	1S10KSB10	1G10KSB10	1B10KSB10 4S10KSB10*	34.2	-10	77,9	3.07	48,5	1.91	11,5	0.45	51,3	2.02

* Part number denotes 4S equivalent fitting.

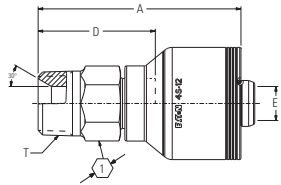
4S Fittings

For use with hose:

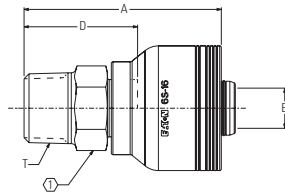
EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

Male Pipe NPTF - Rigid (MP)

Straight



4S



6S

FC500-12,-16,-20,-24;
FC273B-12,-16;
GH506-12,-16,-20,-24,-32;
FC254-12,-16,-20,-24,-32;
EC810-12,-16;

6S Fittings

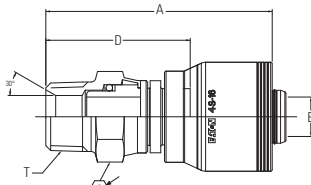
For use with hose:

FC500-32; FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-24

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1
		DN	Dash size		in	mm	in	mm	in	mm	
4S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	in
4SA8MP12	-8	19	-12	1/2-14	84,6	3.33	48,4	1.90	14,2	0.56	7/8
4SA12MP12	-12	19	-12	3/4-14	85,9	3.38	49,6	1.95	14,2	0.56	1 1/16
4SA16MP12	-16	19	-12	1-11 1/2	84,8	3.34	48,6	1.91	14,2	0.56	1 3/8
4SA12MP16	-12	25	-16	3/4-14	89,1	3.51	49,2	1.94	19,2	0.75	1 3/8
4SA16MP16	-16	25	-16	1-11 1/2	94,0	3.70	54,1	2.13	19,2	0.75	1 3/8
4SA20MP16	-20	25	-16	1 1/4-11 1/2	90,4	3.56	50,5	1.99	19,2	0.75	1 11/16
4SA16MP20	-16	31	-20	1-11 1/2	107,6	4.24	52,5	2.07	25,2	0.99	1 7/16
4SA20MP20	-20	31	-20	1 1/4-11 1/2	119,6	4.71	64,4	2.54	25,2	0.99	1 11/16
4SA24MP24	-24	38	-24	1 1/2-11 1/2	143,2	5.64	65,2	2.57	31,1	1.22	2
4SA32MP32	-32	51	-32	2-11 1/2	150,1	5.91	72,1	2.84	42,1	1.66	2 1/2
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	in
6SA16MP16	-16	25	-16	1-11 1/2	94,0	3.70	54,1	2.13	19,2	0.75	1 3/8
6SA20MP20	-20	31	-20	1 1/4-11 1/2	120,4	4.74	64,4	2.54	25,2	0.99	1 11/16
6SA24MP24	-24	38	-24	1 1/2-11 1/2	143,2	5.64	65,2	2.57	31,1	1.22	2
6SA32MP32	-32	51	-32	2-11 1/2	150,1	5.91	72,1	2.84	42,1	1.66	2 1/2

Male Pipe NPTF - Swivel (PS)

Straight

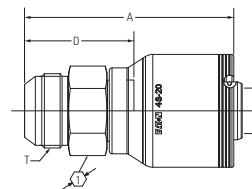


4S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1
		DN	Dash size		in	mm	in	mm	in		
4S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	in
4SA16PS16	-16	25	-16	1-11 1/2	110,2	4.34	70,1	2.76	19,2	0.75	1 1/2

Male JIC/37° - Rigid (MJ)

Straight



4S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1
		DN	Dash size		in	mm	in	mm	in		
4S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	in
4SA10MJ12	-10	19	-12	7/8-14	84,3	3.32	48,2	1.90	12,3	0.48	15/16
4SA12MJ12	-12	19	-12	1 1/16-12	86,9	3.42	50,8	2.00	14,2	0.56	1 1/8
4SA14MJ12	-14	19	-12	1 3/16-12	83,1	3.27	47,0	1.85	14,2	0.56	1 1/4
4SA16MJ12	-16	19	-12	1 5/16-12	83,6	3.29	47,5	1.87	14,2	0.56	1 3/8
4SA16MJ16	-16	25	-16	1 5/16-12	93,7	3.69	54,0	2.13	19,2	0.75	1 3/8
4SA20MJ16	-20	25	-16	1 5/8-12	99,6	3.92	60,0	2.36	19,2	0.76	1 11/16
4SA20MJ20	-20	31	-20	1 5/8-12	115,7	4.56	60,5	2.38	25,2	0.99	1 11/16
4SA24MJ24	-24	38	-24	1 7/8-12	151,3	5.96	73,3	2.89	31,1	1.22	2
4SA32MJ32	-32	51	-32	2 1/2-12	163,8	6.45	85,8	3.38	42,1	1.66	2 5/8

⚠ Refer to note below.

⚠ When assembled with all Eaton components, all SAE 37° JIC male and female terminal ends in the 4S & 6S product line are rated at the pressures listed in the table above and have passed one million impulse cycles at 133% of this pressure. All straight configurations achieve a 4:1 burst.

The 45° and 90° elbow configurations in the -12 size meet a 3.2:1 burst the 45° and 90° elbow configurations in the -16 size achieve a 2.8:1 burst; the 45° and 90° elbow configurations in the -20 size meet a 4:1 burst and the 45° & 90° elbow configurations in the -24 size meet a 2.4:1 burst.

Crimp fittings

Spiral hose fittings (4S/6S Series)

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;
FC500-12,-16,-20,-24;

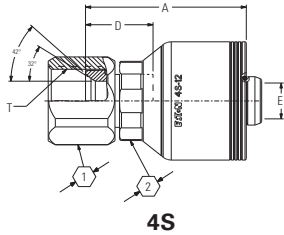
6S Fittings

For use with hose:

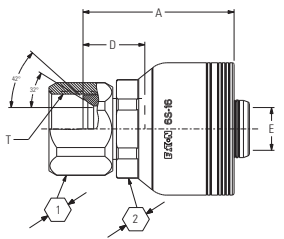
FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-24

Female JIC/37° swivel (FJ)

Straight



4S



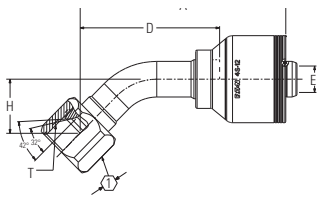
6S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1		2
		DN	Dash size		in	mm	in	mm	in	mm	in	mm	in
4SA10FJ12	-10	19	-12	7/8-14	75,0	2.95	38,8	1.53	12,3	0.48	30,0	1 3/16	1
4SA12FJ12	-12	19	-12	1 1/16-12	82,0	3.23	45,7	1.80	14,2	0.56	30,0	1 3/16	1 1/4
4SA14FJ12	-14	19	-12	1 3/16-12	77,5	3.05	41,3	1.63	14,2	0.56	30,0	1 3/16	1 3/8
4SA16FJ12	-16	19	-12	1 5/16-12	80,2	3.16	44,0	1.73	14,2	0.56	30,0	1 3/16	1 1/2
4SA12FJ16	-12	25	-16	1 1/16-12	78,8	3.10	39,1	1.54	15,5	0.61	41,0	1 5/8	1 1/4
4SA16FJ16	-16	25	-16	1 5/16-12	89,2	3.51	49,3	1.94	19,2	0.76	41,0	1 5/8	1 1/2
4SA20FJ16	-20	25	-16	1 5/8-12	85,8	3.38	46,0	1.81	19,2	0.76	41,0	1 5/8	2
4SA16FJ20	-16	31	-20	1 5/16-12	99,1	3.90	43,7	1.72	25,2	0.99	46,0	1 13/16	1 1/2
4SA20FJ20	-20	31	-20	1 5/8-12	101,6	4.00	46,3	1.82	25,2	0.99	46,0	1 13/16	2
4SA24FJ20	-24	31	-20	1 7/8-12	106,8	4.20	51,5	2.03	25,2	0.99	46,0	1 13/16	2 1/4
4SA24FJ24	-24	38	-24	1 7/8-12	134,9	5.31	56,8	2.24	31,1	1.22	57,0	2 1/4	2 1/4
4SA32FJ32	-32	51	-32	2 1/2-12	146,0	5.75	68,0	2.68	42,1	1.66			2 7/8
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	in
6SA16FJ16	-16	25	-16	1 5/16-12	89,2	3.51	49,3	1.94	19,2	0.76	41,0	1 5/8	1 1/2
6SA20FJ20	-20	31	-20	1 5/8-12	102,3	4.03	46,3	1.82	25,2	0.99	46,0	1 13/16	2
6SA24FJ20	-24	31	-20	1 7/8-12	107,5	4.23	51,5	2.03	25,2	0.99	46,0	1 13/16	2 1/4
6SA24FJ24	-24	38	-24	1 7/8-12	134,9	5.31	56,8	2.24	31,1	1.22	57,0	2 1/4	2 1/4
6SA32FJ32	-32	51	-32	2 1/2-12	146,0	5.75	68,0	2.68	42,1	1.66			2 7/8

⚠ Refer to note below.

Female JIC/37° swivel (FJA)

45° Elbow



4S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		H		1
		DN	Dash size		in	mm	in	mm	in	mm	in	mm	in
4SA12FJA12	-12	19	-12	1 1/16-12	112,3	4.42	76,1	3.00	14,2	0.56	29,0	1.14	1 1/4
4SA16FJA12	-16	19	-12	1 5/16-12	133,6	5.26	97,5	3.84	14,2	0.56	38,0	1.50	1 1/2
4SA16FJA16	-16	25	-16	1 5/16-12	128,8	5.07	89,3	3.52	19,2	0.76	38,0	1.50	1 1/2
4SA20FJA16	-20	25	-16	1 5/8-12	120,1	4.73	80,4	3.17	19,2	0.75	32,0	1.26	2
4SA20FJA20	-20	31	-20	1 5/8-12	135,6	5.34	80,4	3.17	25,2	0.99	32,0	1.26	2
4SA24FJA24	-24	38	-24	1 7/8-12	212,0	8.35	134,0	5.28	31,1	1.22	43,0	1.69	2 1/4
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	in
6SA20FJA20	-20	31	-20	1 5/8-12	136,4	5.37	80,4	3.17	25,2	0.99	32,0	1.26	2
6SA24FJA24	-24	38	-24	1 7/8-12	212,0	8.35	134,0	5.28	31,1	1.22	43,0	1.69	2 1/4

⚠ Refer to note below.

⚠ When assembled with all Eaton components, all SAE 37° JIC male and female terminal ends in the 4S & 6S product line are rated at the pressures listed in the table above and have passed one million impulse cycles at 133% of this pressure. All straight configurations achieve a 4:1 burst.

The 45° and 90° elbow configurations in the -12 size meet a 3.2:1 burst the 45° and 90° elbow configurations in the -16 size achieve a 2.8:1 burst; the 45° and 90° elbow configurations in the -20 size meet a 4:1 burst and the 45° & 90° elbow configurations in the -24 size meet a 2.4:1 burst.

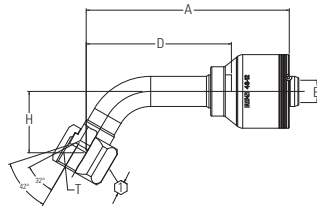
4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

Female JIC/37° swivel (FJG)

60° Elbow



4S

FC500-12,-16,-20,-24;
FC273B-12,-16;
GH506-12,-16,-20,-24,-32;
FC254-12,-16,-20,-24,-32;
EC810-12,-16

6S Fittings

For use with hose:

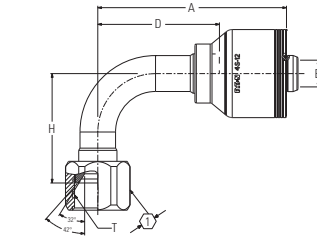
FC500-32;FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32; GH466-
20,-24

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		H		1
		DN	Dash size		in	mm	in	mm	in	mm	in	mm	
4SA12FJG12	-12	19	-12	1 1/16-12	127,0	5.00	90,8	3.58	14,2	0.56	38,9	1.53	1 1/4
4SA16FJG16	-16	25	-16	1 5/16-12	144,4	5.69	104,8	4.12	19,2	0.76	47,6	1.87	1 1/2

⚠ Refer to note below.

Female JIC/37° swivel (FJB)

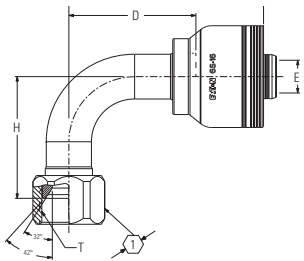
90° Elbow



4S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		H		1
		DN	Dash size		in	mm	in	mm	in	mm	in	mm	
4SA12FJB12	-12	19	-12	1 1/16-12	101,3	3.99	65,3	2.57	14,2	0.56	58,0	2.28	1 1/4
4SA16FJB12	-16	19	-12	1 5/16-12	110,0	4.33	73,8	2.91	14,2	0.56	71,0	2.80	1 1/2
4SA16FJB16	-16	25	-16	1 5/16-12	113,1	4.45	73,5	2.89	19,2	0.76	71,0	2.80	1 1/2
4SA20FJB16	-20	25	-16	1 5/8-12	117,1	4.61	77,4	3.05	19,2	0.75	78,0	3.07	2
4SA20FJB20	-20	31	-20	1 5/8-12	132,6	5.22	77,4	3.05	25,2	0.99	78,0	3.07	2
4SA24FJB24	-24	38	-24	1 7/8-12	208,9	8.22	130,8	5.15	31,1	1.22	104,0	4.09	2 1/4

⚠ Refer to note below.

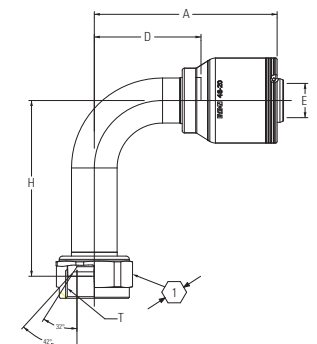


6S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		H		1
		DN	Dash size		in	mm	in	mm	in	mm	in	mm	
6SA16FJB16	-16	25	-16	1 5/16-12	113,1	4.45	73,5	2.89	19,0	0.75	71,0	2.80	1 1/2
6SA20FJB20	-20	31	-20	1 5/8-12	133,4	5.25	77,4	3.05	25,2	0.99	78,0	3.07	2
6SA24FJB24	-24	38	-24	1 7/8-12	208,9	8.22	130,8	5.15	31,1	1.22	104,0	4.09	2 1/4

Female JIC/37° swivel (FJC)

90° Elbow - Long Drop



4S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		H		1
		DN	Dash size		in	mm	in	mm	in	mm	in	mm	
4SA12FJC12	-12	19	-12	1 1/16-12	101,3	3.99	65,3	2.57	14,2	0.56	96,0	3.78	1 1/4
4SA16FJC16	-16	25	-16	1 5/16-12	112,5	4.43	73,5	2.89	19,0	0.75	114,0	4.49	1 1/2
4SA20FJC20	-20	31	-20	1 5/8-12	132,6	5.22	77,4	3.05	25,2	0.99	129,0	5.08	2

⚠ Refer to note below.

⚠ When assembled with all Eaton components, all SAE 37° JIC male and female terminal ends in the 4S & 6S product line are rated at the pressures listed in the table above and have passed one million impulse cycles at 133% of this pressure. All straight configurations achieve a 4:1 burst.

The 45° and 90° elbow configurations in the -12 size meet a 3.2:1 burst the 45° and 90° elbow configurations in the -16 size achieve a 2.8:1 burst; the 45° and 90° elbow configurations in the -20 size meet a 4:1 burst and the 45° & 90° elbow configurations in the -24 size meet a 2.4:1 burst.

Crimp fittings

Spiral hose fittings (4S/6S Series)

H

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

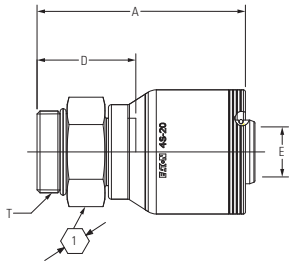
6S Fittings

For use with hose:

FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-24

Male Oring boss - Rigid (MB)

Straight

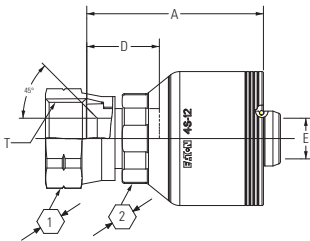


4S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1
		DN	Dash size		in	mm	in	mm	in	mm	
4SA12MB12	-12	19	-12	1 1/16-12	78,7	3.10	42,5	1.67	14,2	0.56	1 1/4
4SA16MB16	-16	25	-16	1 5/16-12	88,1	3.47	48,5	1.91	19,2	0.76	1 1/2
4SA20MB20	-20	31	-20	1 5/8-12	109,5	4.31	54,4	2.14	25,2	0.99	1 7/8
4SA24MB24	-24	38	-24	1 7/8-12	134,1	5.28	56,0	2.21	31,1	1.22	2 1/8

Female SAE 45° Flare swivel (FS)

Straight

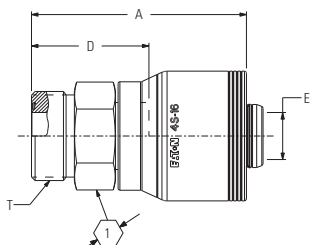


4S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1	2
		DN	Dash size		in	mm	in	mm	in	mm		
4SA12FS12	-12	19	-12	1 1/16-14	61,5	2.42	25,4	1.00	14,2	0.56	1 1/4	1 3/16

Male ORS - Rigid (MR)

Straight



4S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1
		DN	Dash size		in	mm	in	mm	in	mm	
4SA12MR12	-12	19	-12	1 3/16-12	80,8	3.18	44,4	1.75	14,2	0.56	1 1/4
4SA16MR12	-16	19	-12	1 7/16-12	78,2	3.08	41,9	1.65	14,2	0.56	1 1/2
4SA16MR16	-16	25	-16	1 7/16-12	87,7	3.45	47,9	1.89	19,2	0.76	1 1/2
4SA20MR16	-20	25	-16	1 11/16-12	81,1	3.19	41,5	1.63	19,2	0.76	1 3/4
4SA20MR20	-20	31	-20	1 11/16-12	107,1	4.22	52,0	2.05	25,2	0.99	1 3/4

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;
FC500-12,-16,-20,-24;

FC273B-12,-16;
GH506-12,-16,-20,-24,-32;
FC254-12,-16,-20,-24,-32;
EC810-12,-16;

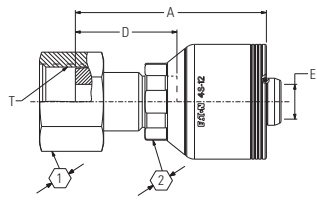
6S Fittings

For use with hose:

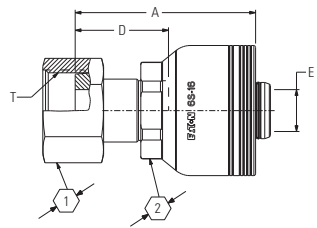
FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-24

Female ORS swivel (FR)

Straight



4S

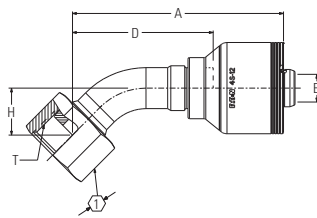


6S

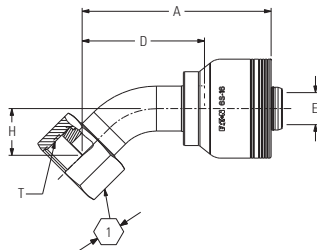
# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1		2
		DN	Dash size		in	mm	in	mm	in	mm	in	mm	in
4SA10FR12	-10	19	-12	1 - 14	74,4	2.93	38,1	1.50	14,2	0.56	30,0	1 3/16	1 1/8
4SA12FR12	-12	19	-12	1 3/16-12	77,4	3.05	41,2	1.62	14,2	0.56	30,0	1 3/16	1 3/8
4SA16FR12	-16	19	-12	1 7/16-12	79,2	3.12	43,1	1.70	14,2	0.56	30,0	1 3/16	1 5/8
4SA12FR16	-12	25	-16	1 3/16-12	80,5	3.17	40,8	1.61	19,2	0.76	41,0	1 5/8	1 3/8
4SA16FR16	-16	25	-16	1 7/16-12	82,4	3.24	42,6	1.68	19,2	0.76	41,0	1 5/8	1 5/8
4SA20FR16	-20	25	-16	1 11/16-12	82,4	3.24	42,7	1.68	19,2	0.76	41,0	1 5/8	1 7/8
4SA20FR20	-20	31	-20	1 11/16-12	99,0	3.90	43,8	1.72	25,2	0.99	46,0	1 13/16	1 7/8
4SA24FR24	-24	38	-24	2 - 12	125,7	4.95	47,6	1.87	31,1	1.22	57,0	2 1/4	2 1/4
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	in
6SA16FR16	-16	25	-16	1 7/16-12	82,4	3.24	42,6	1.68	19,2	0.76	41,0	1 5/8	1 5/8
6SA20FR16	-20	25	-16	1 11/16-12	82,4	3.24	42,7	1.68	19,2	0.76	41,0	1 5/8	1 7/8
6SA20FR20	-20	31	-20	1 11/16-12	99,8	3.93	43,8	1.72	25,2	0.99	46,0	1 13/16	1 7/8
6SA24FR24	-24	38	-24	2 - 12	125,7	4.95	47,6	1.87	31,1	1.22	57,0	2 1/4	2 1/4

Female ORS swivel (FRA)

45° Elbow



4S



6S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		H		1
		DN	Dash size		in	mm	in	mm	in	mm	in	mm	in
4SA12FRA12	-12	19	-12	1 3/16-12	108,7	4.28	72,5	2.85	14,2	0.56	24,0	0.94	1 3/8
4SA16FRA12	-16	19	-12	1 7/16-12	119,9	4.72	83,7	3.30	14,2	0.56	28,0	1.10	1 5/8
4SA16FRA16	-16	25	-16	1 7/16-12	112,8	4.44	73,0	2.87	19,2	0.76	28,0	1.10	1 5/8
4SA20FRA16	-20	25	-16	1 11/16-12	136,7	5.38	97,0	3.82	19,2	0.76	31,0	1.22	1 7/8
4SA20FRA20	-20	31	-20	1 11/16-12	153,4	6.04	98,1	3.86	25,2	0.99	31,0	1.22	1 7/8
4SA24FRA24	-24	38	-24	2 - 12	212,0	8.35	134,0	5.28	31,1	1.22	43,0	1.69	2 1/4
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	in
6SA16FRA16	-16	25	-16	1 7/16-12	112,8	4.44	73,0	2.87	19,2	0.76	28,0	1.10	1 5/8
6SA20FRA16	-20	25	-16	1 11/16-12	136,7	5.38	97,0	3.82	19,2	0.76	31,0	1.22	1 7/8
6SA20FRA20	-20	31	-20	1 11/16-12	154,1	6.07	98,1	3.86	25,2	0.99	31,0	1.22	1 7/8
6SA24FRA24	-24	38	-24	2 - 12	212,0	8.35	134,0	5.28	31,1	1.22	43,0	1.69	2 1/4

Crimp fittings

Spiral hose fittings (4S/6S Series)

H

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

FC500-12,-16,-20,-24;
FC273B-12,-16;
GH506-12,-16,-20,-24,-32;
FC254-12,-16,-20,-24,-32;
EC810-12,-16;

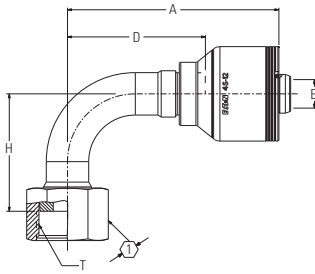
6S Fittings

For use with hose:

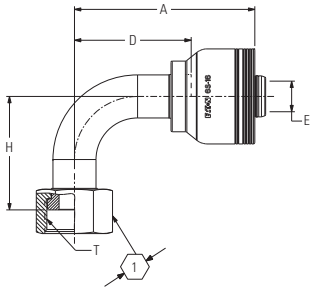
FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-24

Female ORS swivel (FRB)

90° Elbow



4S

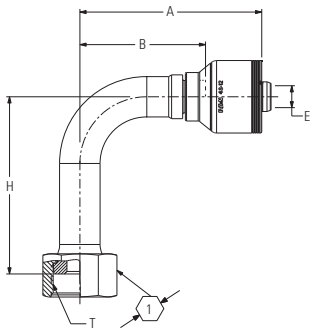


6S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		H		1
		DN	Dash size		in	mm	in	mm	in	mm	in	mm	
4S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	in
4SA10FRB12	-10	19	-12	1 - 14	91,5	3.60	55,3	2.18	14,2	0.56	32,3	1.27	1 1/8
4SA12FRB12	-12	19	-12	1 3/16-12	104,4	4.11	68,1	2.68	14,2	0.56	58,0	2.28	1 3/8
4SA16FRB12	-16	19	-12	1 7/16-12	117,1	4.61	80,9	3.19	14,2	0.56	71,0	2.80	1 5/8
4SA12FRB16	-12	25	-16	1 3/16-12	107,5	4.23	67,7	2.67	19,2	0.76	58,0	2.28	1 3/8
4SA16FRB16	-16	25	-16	1 7/16-12	112,8	4.44	73,0	2.87	19,2	0.76	71,0	2.80	1 5/8
4SA20FRB16	-20	25	-16	1 11/16-12	136,5	5.37	96,8	3.81	19,2	0.76	78,0	3.07	1 7/8
4SA20FRB20	-20	31	-20	1 11/16-12	153,1	6.03	97,9	3.85	25,2	0.99	78,0	3.07	1 7/8
4SA24FRB20	-24	31	-20	2 - 12	152,9	6.02	97,9	3.85	25,2	0.99	86,0	3.39	2 1/4
4SA24FRB24	-24	38	-24	2 - 12	208,9	8.22	130,8	5.15	31,1	1.22	104,0	4.09	2 1/4
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	in
6SA16FRB16	-16	25	-16	1 7/16-12	112,8	4.44	73,0	2.87	19,2	0.76	71,0	2.80	1 5/8
6SA20FRB16	-20	25	-16	1 11/16-12	136,5	5.37	96,8	3.81	19,2	0.76	78,0	3.07	1 7/8
6SA20FRB20	-20	31	-20	1 11/16-12	153,9	6.06	97,9	3.85	25,2	0.99	78,0	3.07	1 7/8
6SA24FRB24	-24	38	-24	2 - 12	208,9	8.22	130,8	5.15	31,1	1.22	104,0	4.09	2 1/4

Female ORS swivel (FRC)

90° Elbow - Long Drop



4S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		H		1
		DN	Dash size		in	mm	in	mm	in	mm	in	mm	
4S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	in
4SA10FRC12	-10	19	-12	1 - 14	91,5	3.60	55,3	2.18	14,2	0.56	70,0	2.76	1 1/8
4SA12FRC12	-12	19	-12	1 3/16-12	104,4	4.11	68,0	2.68	14,2	0.56	96,0	3.78	1 3/8
4SA16FRC12	-16	19	-12	1 7/16-12	117,1	4.61	80,9	3.19	14,2	0.56	114,0	4.49	1 5/8
4SA16FRC16	-16	25	-16	1 7/16-12	112,8	4.44	73,0	2.87	19,2	0.76	114,0	4.49	1 5/8
4SA20FRC20	-20	31	-20	1 11/16-12	152,9	6.02	97,9	3.85	25,2	0.99	129,0	5.08	1 7/8
4SA24FRC20	-24	31	-20	2 - 12	152,9	6.02	97,9	3.85	25,2	0.99	141,0	5.55	2 1/4
4SA24FRC24	-24	38	-24	2 - 12	152,9	6.02	97,9	3.85	25,2	0.99	141,0	5.55	2 1/4

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

6S Fittings

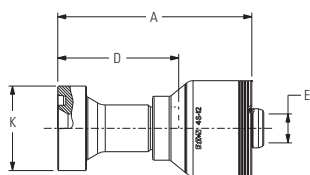
For use with hose:

FC500-12,-16,-20,-24;
FC273B-12,-16;
GH506-12,-16,-20,-24,-32;
FC254-12,-16,-20,-24,-32;
EC810-12,-16;

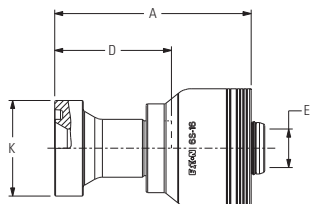
FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-24

SAE Code 61 Flange (FL)

Straight



4S

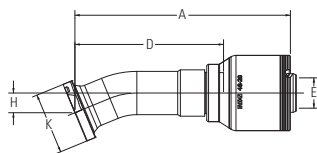


6S

# Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in
4S12FL12	-12	19	-12	38,1	1.50	90,7	3.57	54,5	2.15	14,2	0.56
4S16FL12	-16	19	-12	44,5	1.75	90,2	3.55	54,0	2.13	14,2	0.56
4S20FL12	-20	19	-12	50,8	2.00	97,7	3.85	61,5	2.42	14,2	0.56
4S16FL16	-16	25	-16	44,5	1.75	93,3	3.67	53,6	2.11	19,2	0.76
4S20FL16	-20	25	-16	50,8	2.00	100,8	3.97	61,1	2.41	19,2	0.76
4S24FL16	-24	25	-16	60,4	2.38	97,4	3.83	57,7	2.27	19,2	0.76
4S16FL20	-16	31	-20	44,5	1.75	110,5	4.35	55,5	2.18	25,2	0.99
4S20FL20	-20	31	-20	50,8	2.00	117,4	4.62	62,2	2.45	25,2	0.99
4S24FL20	-24	31	-20	60,4	2.38	106,7	4.20	51,6	2.03	25,2	0.99
4S32FL20	-32	31	-20	71,4	2.81	104,9	4.13	49,9	1.96	25,2	0.99
4S24FL24	-24	38	-24	60,4	2.38	171,6	6.75	93,6	3.68	31,1	1.22
4S32FL24	-32	38	-24	71,4	2.81	174,7	6.88	96,7	3.81	31,1	1.22
4S32FL32	-32	51	-32	71,4	2.81	177,5	6.99	99,5	3.92	42,1	1.66
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
6S16FL16	-16	25	-16	44,5	1.75	93,3	3.67	53,6	2.11	19,2	0.76
6S20FL20	-20	31	-20	50,8	2.00	118,2	4.65	62,2	2.45	25,2	0.99
6S24FL24	-24	38	-24	60,4	2.38	171,6	6.75	93,6	3.68	31,1	1.22
6S32FL24	-32	38	-24	71,4	2.81	174,7	6.88	96,7	3.81	31,1	1.22
6S32FL32	-32	51	-32	71,4	2.81	177,5	6.99	99,5	3.92	42,1	1.66

SAE Code 61 Flange (FLD)

22.5° Elbow



4S

# Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S12FLD12	-12	19	-12	38,1	1.50	121,3	4.78	85,1	3.35	14,2	0.56	11,6	0.46
4S16FLD12	-16	25	-12	44,4	1.75	136,7	5.38	100,5	3.96	14,2	0.56	13,5	0.53
4S16FLD16	-16	25	-16	44,4	1.75	139,8	5.50	100,1	3.94	19,2	0.76	13,5	0.53
4S20FLD16	-20	25	-16	50,8	2.00	160,9	6.33	121,2	4.77	19,2	0.76	16,3	0.64
4S20FLD20	-20	31	-20	50,8	2.00	177,3	6.98	122,3	4.81	25,2	0.99	16,3	0.64
4S24FLD20	-24	31	-20	60,4	2.38	173,6	6.83	117,6	4.63	25,2	0.99	17,1	0.67
4S24FLD24	-24	38	-24	60,3	2.37	226,4	8.91	148,4	5.84	31,1	1.22	18,8	0.74
4S32FLD24	-32	38	-24	71,4	2.81	266,7	10.50	188,7	7.43	31,1	1.22	23,5	0.93
4S32FLD32	-32	51	-32	71,4	2.81	269,6	10.61	191,5	7.54	42,1	1.66	23,5	0.93

Crimp fittings

Spiral hose fittings (4S/6S Series)

H

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

FC500-12,-16,-20,-24;
FC273B-12,-16;
GH506-12,-16,-20,-24,-32;
FC254-12,-16,-20,-24,-32;
EC810-12,-16;

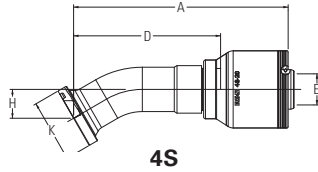
6S Fittings

For use with hose:

FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-24

SAE Code 61 Flange (FLF)

30° Elbow

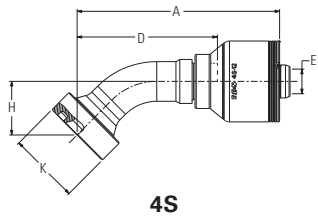


4S

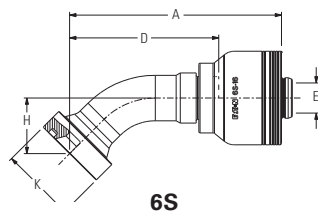
# Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm
4S12FLF12	-12	19	-12	38,1	1.50	119,4	4.70	83,3	3.28	14,2	0.56	16,4	0.65
4S16FLF12	-16	19	-12	44,4	1.75	134,6	5.30	98,4	3.87	14,2	0.56	19,3	0.76
4S16FLF16	-16	25	-16	44,4	1.75	137,7	5.42	97,9	3.85	19,2	0.76	19,3	0.76
4S20FLF16	-20	25	-16	50,8	2.00	158,3	6.23	118,6	4.67	19,2	0.76	23,3	0.92
4S20FLF20	-20	31	-20	50,8	2.00	174,7	6.88	119,7	4.71	25,2	0.99	23,3	0.92
4S24FLF20	-24	31	-20	60,4	2.38	169,9	6.69	114,9	4.52	25,2	0.99	24,1	0.95
4S24FLF24	-24	38	-24	60,3	2.37	223,4	8.80	145,4	5.72	31,1	1.22	26,8	1.06
4S32FLF32	-32	51	-32	71,4	2.81	265,9	10.47	187,8	7.39	42,1	1.66	33,9	1.34

SAE Code 61 Flange (FLA)

45° Elbow



4S

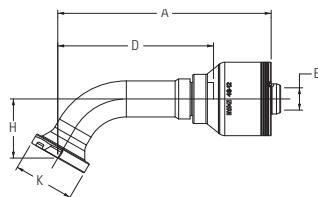


6S

# Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm
4S12FLA12	-12	19	-12	38,1	1.50	113,8	4.48	77,6	3.06	14,2	0.56	27,0	1.06
4S16FLA12	-16	19	-12	44,4	1.75	127,9	5.04	91,7	3.61	14,2	0.56	32,0	1.26
4S12FLA16	-12	25	-16	38,1	1.50	116,9	4.60	77,2	3.04	19,2	0.76	27,0	1.06
4S16FLA16	-16	25	-16	44,4	1.75	131,0	5.16	91,3	3.59	19,2	0.76	32,0	1.26
4S20FLA16	-16	31	-20	44,4	1.75	152,1	5.99	97,0	3.82	25,2	0.99	32,0	1.26
4S16FLA20	-20	25	-16	50,8	2.00	150,2	5.91	110,5	4.35	19,2	0.76	39,0	1.54
4S20FLA20	-20	31	-20	50,8	2.00	166,8	6.57	111,6	4.39	25,2	0.99	39,0	1.54
4S24FLA20	-24	31	-20	60,4	2.38	161,6	6.36	106,6	4.20	25,2	0.99	39,5	1.34
4S24FLA24	-24	38	-24	60,3	2.37	214,3	8.44	136,3	5.37	31,1	1.22	45,0	1.77
4S32FLA24	-32	38	-24	71,4	2.81	251,0	9.88	173,0	6.81	31,1	1.22	57,5	2.26
4S32FLA32	-32	51	-32	71,4	2.81	253,9	10.00	175,9	6.92	42,1	1.66	57,5	2.26
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
6S16FLA16	-16	25	-16	44,4	1.75	131,0	5.16	91,3	3.59	19,2	0.76	32,0	1.26
6S20FLA16	-20	25	-16	50,8	2.00	150,2	5.91	110,5	4.35	19,2	0.76	39,0	1.54
6S20FLA20	-20	31	-20	50,8	2.00	167,6	6.60	111,6	4.39	25,2	0.99	39,0	1.54
6S24FLA24	-24	38	-24	60,3	2.37	214,3	8.44	136,3	5.37	31,1	1.22	45,0	1.77
6S32FLA24	-32	38	-24	71,4	2.81	251,0	9.88	173,0	6.81	31,1	1.22	57,5	2.26
6S32FLA32	-32	51	-32	71,4	2.81	253,9	10.00	175,9	6.92	42,1	1.66	57,5	2.26

SAE Code 61 Flange (FLG)

60° Elbow



4S

# Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm
4S12FLG12	-12	19	-12	38,1	1.50	133,9	5.27	97,7	3.85	14,2	0.56	37,6	1.48
4S16FLG12	-16	19	-12	44,4	1.75	153,2	6.03	117,1	4.61	14,2	0.56	44,7	1.76
4S16FLG16	-16	25	-16	44,4	1.75	156,4	6.16	116,6	4.59	19,2	0.76	44,7	1.76
4S20FLG16	-20	25	-16	50,8	2.00	183,3	7.22	143,5	5.65	19,2	0.76	55,8	2.20
4S20FLG20	-20	25	-20	50,8	2.00	199,7	7.86	144,7	5.70	25,2	0.99	55,8	2.20
4S24FLG20	-24	31	-20	60,4	2.38	188,1	7.41	133,0	5.24	25,2	0.99	51,7	2.04
4S24FLG24	-24	38	-24	60,3	2.37	253,3	9.97	175,3	6.90	31,1	1.22	65,2	2.57
4S32FLG32	-32	51	-32	71,4	2.81	309,1	12.17	231,1	9.10	42,1	1.66	85,8	3.38

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

FC500-12,-16,-20,-24;
FC273B-12,-16;
GH506-12,-16,-20,-24,-32;
FC254-12,-16,-20,-24,-32;
EC810-12,-16;

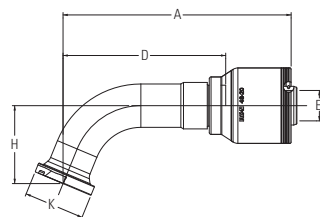
6S Fittings

For use with hose:

FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-2

SAE Code 61 Flange (FLE)

67.5° Elbow

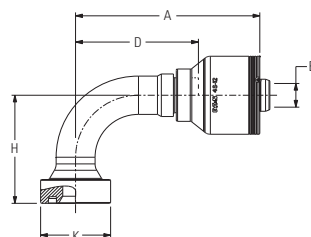


4S

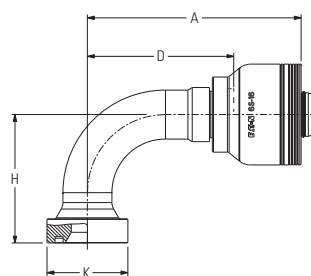
# Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S12FLE12	-12	19	-12	38,1	1.50	128,6	5.06	92,4	3.64	14,2	0.56	43,2	1.70
4S16FLE12	-16	19	-12	44,4	1.75	147,0	5.79	110,8	4.36	14,2	0.56	51,5	2.03
4S16FLE16	-16	25	-16	44,4	1.75	150,1	5.91	110,3	4.34	19,2	0.76	51,5	2.03
4S20FLE16	-20	25	-16	50,8	2.00	175,4	6.91	135,7	5.34	19,2	0.76	64,4	2.54
4S20FLE20	-20	31	-20	50,8	2.00	191,8	7.55	136,8	5.39	25,2	0.99	64,4	2.54
4S24FLE20	-24	31	-20	60,4	2.38	180,8	7.12	125,8	4.95	25,2	0.99	59,5	2.34
4S24FLE24	-24	38	-24	60,3	2.37	244,2	9.61	166,2	6.54	31,1	1.22	75,2	2.96
4S32FLE24	-32	38	-24	71,4	2.81	294,1	11.58	216,1	8.51	31,1	1.22	99,3	3.91
4S32FLE32	-32	51	-32	71,4	2.81	297,0	11.69	219,0	8.62	42,1	1.66	99,3	3.91

SAE Code 61 Flange (FLB)

90° Elbow



4S



6S

# Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S12FLB12	-12	19	-12	38,1	1.50	108,5	4.27	72,3	2.85	14,2	0.56	59,0	2.32
4S16FLB12	-16	19	-12	44,4	1.75	122,8	4.84	86,6	3.41	14,2	0.56	71,0	2.80
4S20FLB12	-20	19	-12	50,8	2.00	108,5	4.72	72,3	2.85	14,2	0.56	65,0	2.56
4S16FLB16	-16	25	-16	44,4	1.75	126,0	4.96	86,2	3.39	19,2	0.76	71,0	2.80
4S16FLB16.116	-16	25	-16	44,4	1.75	126,0	4.96	86,2	3.39	19,2	0.76	116,0	4.57
4S20FLB16	-20	25	-16	50,8	2.00	145,2	5.72	105,4	4.15	19,2	0.76	89,0	3.50
4S24FLB16	-24	25	-16	60,4	2.38	136,5	5.37	96,8	3.81	19,2	0.76	81,9	3.22
4S16FLB20	-16	31	-20	44,4	1.75	147,1	5.79	91,9	3.62	25,2	0.99	71,0	2.80
4S20FLB20	-20	31	-20	50,8	2.00	161,8	6.37	106,5	4.19	25,2	0.99	89,0	3.50
4S24FLB20	-24	31	-20	60,4	2.38	152,9	6.02	97,9	3.85	25,2	0.99	81,9	3.22
4S24FLB24	-24	38	-24	60,3	2.37	208,9	8.22	130,9	5.15	31,1	1.22	104,0	4.09
4S32FLB24	-32	38	-24	71,4	2.81	247,4	9.74	169,4	6.67	31,1	1.22	138,0	5.43
4S32FLB32	-32	51	-32	71,4	2.81	250,3	9.85	172,2	6.78	42,1	1.66	138,0	5.43
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
6S16FLB16	-16	25	-16	44,4	1.75	126,0	4.96	86,2	3.39	19,2	0.76	71,0	2.80
6S20FLB16	-20	25	-16	50,8	2.00	145,2	5.72	105,4	4.15	19,2	0.76	89,0	3.50
6S20FLB20	-20	31	-20	50,8	2.00	162,5	6.40	106,5	4.19	25,2	0.99	89,0	3.50
6S24FLB24	-24	38	-24	60,3	2.37	208,8	8.22	130,8	5.15	31,1	1.22	104,0	4.09
6S32FLB24	-32	38	-24	71,4	2.81	247,4	9.74	169,4	6.67	31,1	1.22	138,0	5.43
6S32FLB32	-32	51	-32	71,4	2.81	250,3	9.85	172,2	6.78	42,1	1.66	138,0	5.43

Crimp fittings

Spiral hose fittings (4S/6S Series)

H

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

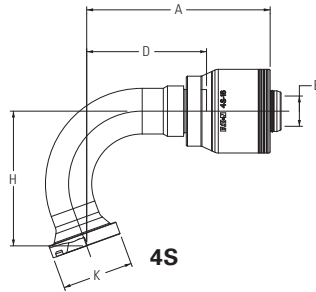
6S Fittings

For use with hose:

FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-24

SAE Code 61 Flange (FLH)

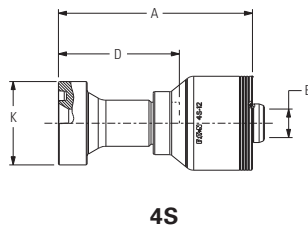
110° Elbow



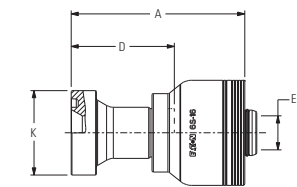
# Part Number	Terminal End Dash size	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S16FLH16	-16	25	-16	44,4	1.75	114,6	4.51	74,9	2.95	19,2	0.76	85,2	3.35

SAE Code 62 Flange (FH)

Straight



4S

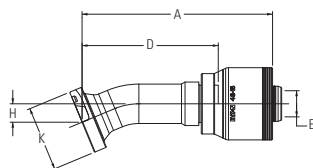


6S

# Part Number	Terminal End Dash size	Hose Size		Flange Head Dia. K Ø		A		D		E Ø	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in
4S12FH12	-12	19	-12	41,3	1.63	90,7	3.57	54,5	2.15	14,2	0.56
4S16FH12	-16	19	-12	47,7	1.88	90,2	3.55	54,0	2.13	14,2	0.56
4S12FH16	-12	25	-16	41,3	1.63	96,3	3.79	56,7	2.23	14,2	0.56
4S16FH16	-16	25	-16	47,7	1.88	98,9	3.89	59,1	2.33	19,2	0.76
4S20FH16	-20	25	-16	54,0	2.13	100,8	3.97	61,0	2.40	19,2	0.76
4S16FH20	-16	31	-20	47,7	1.88	123,8	4.87	68,6	2.70	25,2	0.99
4S20FH20	-20	31	-20	54,0	2.13	123,3	4.85	68,1	2.68	25,2	0.99
4S24FH20	-24	31	-20	63,5	2.50	129,0	5.08	73,9	2.91	25,2	0.99
4S24FH24	-24	38	-24	63,5	2.50	189,6	7.46	111,6	4.39	31,1	1.22
4S32FH24	-32	38	-24	79,4	3.13	204,4	8.05	126,4	4.89	31,1	1.22
4S32FH32	-32	51	-32	79,4	3.13	202,7	7.98	124,7	4.91	42,1	1.66
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
6S16FH16	-16	25	-16	47,7	1.88	98,8	3.89	59,2	2.33	19,2	0.76
6S20FH16	-20	25	-16	54,0	2.13	100,8	3.97	61,0	2.40	19,2	0.76
6S20FH20	-20	31	-20	54,0	2.13	124,0	4.88	68,1	2.68	25,2	0.99
6S24FH20	-24	31	-20	63,5	2.50	129,8	5.11	73,9	2.91	25,2	0.99
6S24FH24	-24	38	-24	63,5	2.50	189,6	7.46	111,6	4.39	31,1	1.22
6S32FH24	-32	38	-24	79,4	3.13	204,4	8.05	126,4	4.98	31,1	1.22
6S32FH32	-32	51	-32	79,4	3.13	202,7	7.98	124,7	4.91	42,1	1.66

SAE Code 62 Flange (FHD)

22.5° Elbow



4S

# Part Number	Terminal End Dash size	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S16FHD16	-16	25	-16	47,7	1.88	140,0	5.51	100,1	3.94	19,2	0.76	13,5	0.53
4S20FHD16	-20	25	-16	54,0	2.13	160,9	6.33	121,2	4.77	19,2	0.76	16,3	0.64
4S32FHD32	-32	51	-32	79,4	3.13	269,6	10.61	191,5	7.54	42,1	1.66	23,5	0.93

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12-16,-20,-24,-32;

FC500-12,-16,-20,-24;
FC273B-12,-16;
GH506-12,-16,-20,-24,-32;
FC254-12,-16,-20,-24,-32;
EC810-12,-16;

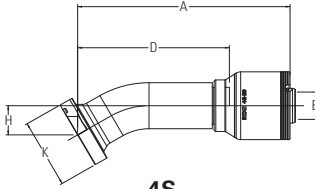
6S Fittings

For use with hose:

FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-2

SAE Code 62 Flange (FHF)

30° Elbow

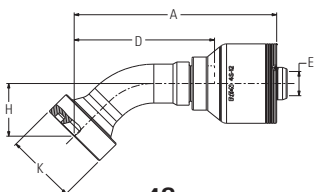


4S

# Part Number	Terminal End Dash size	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S24FHF20	-20	31	-20	63,5	2.50	192,6	7.58	137,6	5.42	25,2	0.99	26,8	1.06
4S32FHF32	-32	51	-32	79,4	3.13	265,8	10.47	187,8	7.39	42,1	1.66	33,9	1.34

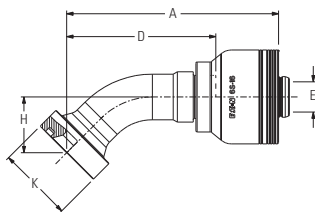
SAE Code 62 Flange (FHA)

45° Elbow



4S

# Part Number	Terminal End Dash size	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S12FHA12	-12	19	-12	41,3	1.63	113,8	4.48	77,6	3.06	14,2	0.56	27,0	1.06
4S16FHA12	-16	19	-12	47,7	1.88	128,0	5.04	91,7	3.61	14,2	0.56	32,0	1.26
4S12FHA16	-12	25	-16	41,3	1.63	116,9	4.60	77,2	3.04	15,1	0.59	27,0	1.06
4S16FHA16	-16	25	-16	47,7	1.88	130,9	5.15	91,2	3.59	19,2	0.76	32,0	1.26
4S20FHA16	-20	25	-16	54,0	2.13	150,2	5.91	110,5	4.35	19,2	0.76	39,0	1.54
4S20FHA20	-20	31	-20	54,0	2.13	166,6	6.56	111,6	4.39	25,2	0.99	39,0	1.54
4S24FHA20	-24	31	-20	63,5	2.50	183,2	7.21	128,2	5.05	25,2	0.99	45,0	1.77
4S24FHA24	-24	38	-24	63,5	2.50	214,1	8.43	136,1	5.36	31,1	1.22	45,0	1.77
4S32FHA24	-32	38	-24	79,4	3.13	251,0	9.88	173,0	6.81	31,1	1.22	57,5	2.26
4S32FHA32	-32	51	-32	79,4	3.13	253,9	10.00	175,9	6.93	42,1	1.66	57,5	2.26

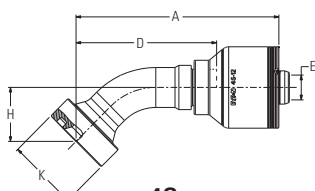


6S

# Part Number	Terminal End Dash size	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
6S16FHA16	-16	25	-16	47,7	1.88	130,9	5.15	91,2	3.59	19,2	0.76	32,0	1.26
6S20FHA16	-20	25	-16	54,0	2.13	150,2	5.91	110,0	4.35	19,0	0.75	39,0	1.54
6S20FHA20	-20	31	-20	54,0	2.13	167,6	6.60	111,6	4.39	25,2	0.99	39,0	1.54
6S24FHA20	-24	31	-20	63,5	2.50	184,2	7.25	128,2	5.05	25,2	0.99	45,0	1.77
6S24FHA24	-24	38	-24	63,5	2.50	214,1	8.43	136,1	5.36	31,1	1.22	45,0	1.77
6S32FHA24	-32	38	-24	79,4	3.13	251,0	9.88	173,0	6.81	31,1	1.22	57,5	2.26
6S32FHA32	-32	51	-32	79,4	3.13	253,9	10.00	175,9	6.93	42,1	1.66	57,5	2.26

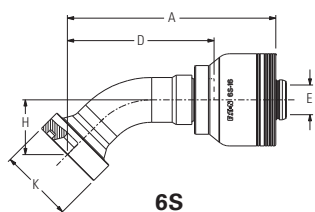
SAE Code 62 Flange (FHG)

60° Elbow



4S

# Part Number	Terminal End Dash size	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S12FHG12	-12	19	-12	41,3	1.63	133,9	5.27	97,7	3.85	14,2	0.56	37,6	1.48
4S16FHG16	-16	25	-16	47,7	1.88	156,4	6.16	116,6	4.59	19,2	0.76	44,6	1.76
4S32FHG32	-32	51	-32	79,4	3.13	309,1	12.17	231,1	9.10	42,1	1.66	85,8	3.38



6S

# Part Number	Terminal End Dash size	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
6S16FHG16	-16	25	-16	47,7	1.88	156,4	6.16	116,6	4.59	19,2	0.76	44,7	1.76
6S20FHG16	-20	25	-16	54,0	2.13	183,3	7.22	143,5	5.65	19,2	0.76	55,8	2.20
6S20FHG20	-20	31	-20	54,0	2.13	200,6	7.90	144,6	5.69	25,2	0.99	55,8	2.20

Crimp fittings

Spiral hose fittings (4S/6S Series)

H

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

6S Fittings

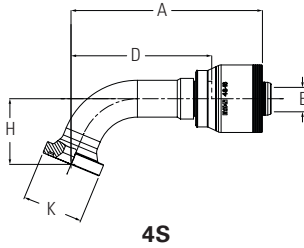
For use with hose:

FC500-12,-16,-20,-24;
FC273B-12,-16; GH506-12,-
16,-20,-24,-32; FC254-12,-16,-
20,-24,-32; EC810-12,-16;

FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-24

SAE Code 62 Flange (FHE)

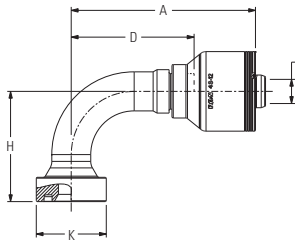
67.5° Elbow



# Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm
4S32FHE32	-32	51	-32	79,4	3.13	297,0	11.69	219,0	8.62	42,1	1.66	99,3	3.91

SAE Code 62 Flange (FHB)

90° Elbow



# Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm
4S12FHB12	-12	19	-12	41,3	1.63	108,5	4.27	72,3	2.85	14,2	0.56	59,0	2.32
4S16FHB12	-16	19	-12	47,7	1.88	122,9	4.84	86,6	3.41	14,2	0.56	71,0	2.80
4S16FHB16	-16	25	-16	47,7	1.88	125,5	4.94	86,1	3.39	19,2	0.76	71,0	2.80
4S16FHB16.120	-16	25	-16	47,7	1.88	126,0	4.96	86,2	3.39	19,2	0.76	120,0	4.72
4S20FHB16	-20	25	-16	54,0	2.13	145,3	5.72	105,4	4.15	19,2	0.76	89,0	3.50
4S16FHB20	-16	31	-20	47,7	1.88	147,1	5.79	91,9	3.62	25,2	0.99	71,0	2.80
4S20FHB20	-20	31	-20	54,0	2.13	161,5	6.36	106,5	4.19	25,2	0.99	89,0	3.50
4S20FHB20.120	-20	31	-20	54,0	2.13	161,5	6.36	106,5	4.19	25,2	0.99	120,0	4.72
4S24FHB20	-24	31	-20	63,5	2.50	178,0	7.01	123,0	4.84	25,2	0.99	104,0	4.09
4S24FHB24	-24	38	-24	63,5	2.50	208,9	8.22	130,8	5.15	31,1	1.22	104,0	4.09
4S32FHB24	-32	38	-24	79,4	3.13	247,4	9.74	169,4	6.67	31,1	1.22	138,0	5.43
4S32FHB32	-32	51	-32	79,4	3.13	250,3	9.85	172,2	6.78	42,1	1.66	138,0	5.43
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
6S16FHB16	-16	25	-16	47,7	1.88	125,5	4.94	86,1	3.39	19,2	0.76	71,0	2.80
6S20FHB16	-20	25	-16	54,0	2.13	145,3	5.72	105,4	4.15	19,2	0.76	89,0	3.50
6S16FHB20	-16	31	-20	47,7	1.88	147,9	5.82	91,9	3.62	25,2	0.99	71,0	2.80
6S20FHB20	-20	31	-20	54,0	2.13	162,5	6.40	106,5	4.19	25,2	0.99	89,0	3.50
6S24FHB20	-24	31	-20	63,5	2.50	179,0	7.05	123,0	4.84	25,2	0.99	104,0	4.09
6S24FHB24	-24	38	-24	63,5	2.50	208,9	8.22	130,8	5.15	31,1	1.22	104,0	4.09
6S32FHB24	-32	38	-24	79,4	3.13	247,4	9.74	169,4	6.67	31,1	1.22	138,0	5.43
6S32FHB32	-32	51	-32	79,4	3.13	250,3	9.85	172,2	6.78	42,1	1.66	138,0	5.43

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

FC500-12,-16,-20,-24;
FC273B-12,-16; GH506-12,-
16,-20,-24,-32; FC254-12,-16,-
20,-24,-32; EC810-12,-16;

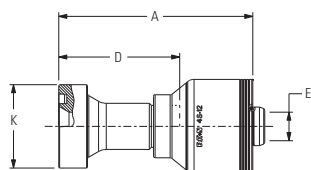
6S Fittings

For use with hose:

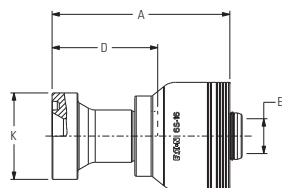
FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-24

CAT® Flange (CT)

Straight



4S



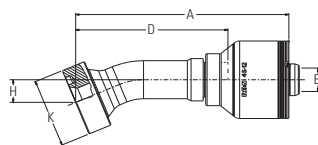
6S

# Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in
4S12CT12	-12	19	-12	41,3	1.63	96,2	3.79	60,0	2.36	14,2	0.56
4S16CT12	-16	19	-12	47,6	1.87	94,9	3.74	58,7	2.31	14,2	0.56
4S16CT16	-16	25	-16	47,6	1.87	102,1	4.02	62,3	2.45	19,2	0.76
4S20CT16	-20	25	-16	54,0	2.13	104,8	4.13	65,0	2.56	19,2	0.76
4S20CT20	-20	31	-20	54,0	2.13	124,5	4.90	69,1	2.72	25,2	0.99
4S24CT20**	-24	31	-20	63,5	2.50	130,9	5.15	75,9	2.99	25,2	0.99
4S24CT24	-24	38	-24	63,5	2.50	195,0	7.68	117,0	4.61	31,1	1.22
4S32CT24	-32	38	-24	79,4	3.13	206,0	8.11	128,0	5.04	31,1	1.22
4S32CT32	-32	51	-32	79,4	3.13	208,9	8.22	130,9	5.15	42,1	1.66
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in
6S16CT16	-16	25	-16	47,6	1.87	102,1	4.02	62,3	2.45	19,2	0.76
6S20CT16	-20	25	-16	54,0	2.13	104,8	4.13	65,0	2.56	19,2	0.76
6S20CT20	-20	31	-20	54,0	2.13	125,2	4.93	69,1	2.72	25,2	0.99
6S24CT20	-24	31	-20	63,5	2.50	131,8	5.19	75,9	2.99	25,2	0.99
6S24CT24	-24	38	-24	63,5	2.50	195,0	7.68	117,0	4.61	31,1	1.22
6S32CT24	-32	38	-24	79,4	3.13	206,0	8.11	128,1	5.04	31,1	1.22
6S32CT32	-32	51	-32	79,4	3.13	208,9	8.22	130,9	5.15	42,1	1.66

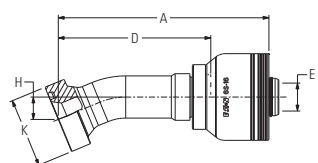
** Note: Items will be available in the near future. Communication will be sent when available.

CAT® Flange (CTD)

22.5° Elbow



4S



6S

# Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in		
4S12CTD12	-12	19	-12	41,3	1.63	126,2	4.97	90,2	3.55	14,2	0.56	13,6	0.54
4S16CTD16	-16	25	-16	47,6	1.87	144,2	5.68	104,4	4.11	19,2	0.76	15,3	0.60
4S20CTD16	-20	25	-16	54,0	2.13	164,5	6.48	124,8	4.91	19,2	0.76	17,8	0.70
4S20CTD20**	-20	31	-20	54,0	2.13	181,9	7.16	125,9	4.96	25,2	0.99	17,8	0.70
4S24CTD20**	-24	31	-20	63,5	2.50	198,0	7.80	142,0	5.59	25,2	0.99	19,4	0.76
4S24CTD24	-24	38	-24	63,5	2.50	227,9	8.97	149,9	5.90	31,1	1.22	19,4	0.76
4S32CTD32	-32	51	-32	79,4	3.13	271,1	10.67	193,0	7.60	42,1	1.66	24,2	0.95
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
6S16CTD16	-16	25	-16	47,6	1.87	144,2	5.68	104,4	4.11	19,2	0.76	15,3	0.60
6S20CTD16	-20	25	-16	54,0	2.13	164,5	6.48	124,8	4.91	19,2	0.76	17,8	0.70
6S20CTD20	-20	31	-20	54,0	2.13	181,9	7.16	125,9	4.96	25,2	0.99	17,8	0.70
6S24CTD20	-24	31	-20	63,5	2.50	198,0	7.80	142,0	5.59	25,2	0.99	19,4	0.76
6S24CTD24	-24	38	-24	63,5	2.50	227,9	8.97	149,9	5.90	31,1	1.22	19,4	0.76
6S32CTD32	-32	51	-32	79,4	3.13	271,1	10.67	193,0	7.60	42,1	1.66	24,2	0.95

** Note: Items will be available in the near future. Communication will be sent when available.

Crimp fittings

Spiral hose fittings
(4S/6S Series)

H

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

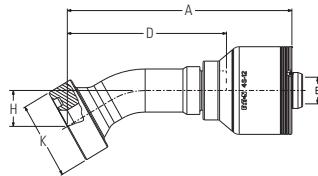
6S Fittings

For use with hose:

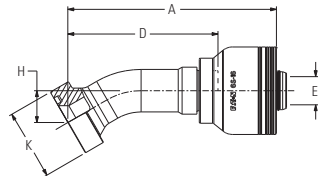
FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-24

CAT® Flange (CTF)

30° Elbow



4S



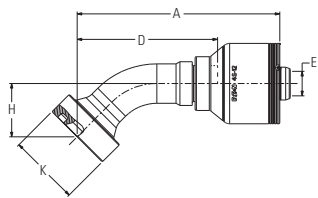
6S

# Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S12CTF12	-12	19	-12	41,3	1.63	124,2	4.89	88,0	3.46	14,2	0.56	19,1	0.75
4S16CTF16	-16	25	-16	47,6	1.87	141,7	5.58	102,0	4.02	19,2	0.76	21,6	0.85
4S20CTF16	-20	25	-16	54,0	2.13	161,7	6.37	122,0	4.80	19,2	0.76	25,3	1.00
4S20CTF20**	-20	31	-20	54,0	2.13	179,1	7.05	123,1	4.85	25,2	0.99	25,3	1.00
4S24CTF20**	-24	31	-20	63,5	2.50	194,9	7.67	138,9	5.47	25,2	0.99	27,7	1.09
4S24CTF24	-24	38	-24	63,5	2.50	224,8	8.85	146,8	5.78	31,1	1.22	27,7	1.09
4S32CTF32	-32	51	-32	79,4	3.13	267,3	10.52	189,2	7.45	42,1	1.66	34,8	1.37
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
6S16CTF16	-16	25	-16	47,6	1.87	141,7	5.58	102,0	4.02	19,2	0.76	21,6	0.85
6S20CTF16	-20	25	-16	54,0	2.13	161,7	6.37	122,0	4.80	19,2	0.76	25,3	1.00
6S20CTF20	-20	31	-20	54,0	2.13	179,1	7.05	123,1	4.85	25,2	0.99	25,3	1.00
6S24CTF20	-24	31	-20	63,5	2.50	194,9	7.67	138,9	5.47	25,2	0.99	27,7	1.09
6S24CTF24	-24	38	-24	63,5	2.50	224,8	8.85	146,8	5.78	31,1	1.22	27,7	1.09
6S32CTF24	-32	38	-24	79,4	3.13	264,3	10.41	186,3	7.34	31,1	1.22	34,8	1.37
6S32CTF32	-32	51	-32	79,4	3.13	267,3	10.52	189,2	7.45	42,1	1.66	34,8	1.37

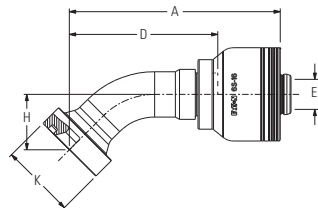
** Note: Items will be available in the near future. Communication will be sent when available.

CAT® Flange (CTA)

45° Elbow



4S



6S

# Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S12CTA12	-12	19	-12	41,3	1.63	117,7	4.63	81,5	3.21	14,2	0.56	30,9	1.22
4S16CTA12	-16	19	-12	47,6	1.87	131,2	5.17	95,0	3.74	14,2	0.56	35,3	1.39
4S16CTA16	-16	25	-16	47,6	1.87	134,3	5.29	94,6	3.72	19,2	0.76	35,3	1.39
4S20CTA16	-20	25	-16	54,0	2.13	153,0	6.02	113,2	4.46	19,2	0.76	41,8	1.65
4S20CTA20	-20	31	-20	54,0	2.13	169,4	6.67	114,3	4.50	25,2	0.99	41,8	1.65
4S24CTA20**	-24	31	-20	63,5	2.50	185,3	7.30	129,1	5.08	25,2	0.99	46,2	1.82
4S24CTA24	-24	38	-24	63,5	2.50	215,2	8.47	137,2	5.40	31,1	1.22	46,2	1.82
4S32CTA32	-32	51	-32	79,4	3.13	255,1	10.04	177,0	6.97	42,1	1.66	58,7	2.31
6S	Dash size	DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
6S16CTA16	-16	25	-16	47,6	1.87	134,3	5.29	94,6	3.72	19,2	0.76	35,3	1.39
6S20CTA16	-20	25	-16	54,0	2.13	153,0	6.02	113,2	4.46	19,2	0.76	41,8	1.65
6S20CTA20	-20	31	-20	54,0	2.13	170,3	6.70	114,3	4.50	25,2	0.99	41,8	1.65
6S24CTA20	-24	31	-20	63,5	2.50	185,3	7.30	129,1	5.08	25,2	0.99	46,2	1.82
6S24CTA24	-24	38	-24	63,5	2.50	215,2	8.47	137,2	5.40	31,1	1.22	46,2	1.82
6S32CTA24	-32	38	-24	79,4	3.13	252,2	9.93	174,2	6.86	31,1	1.22	58,7	2.31
6S32CTA32	-32	51	-32	79,4	3.13	255,1	10.04	177,0	6.97	42,1	1.66	58,7	2.31

** Note: Items will be available in the near future. Communication will be sent when available.

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

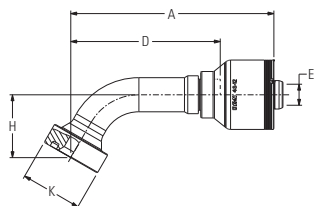
6S Fittings

For use with hose:

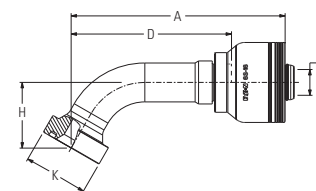
FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-24

CAT® Flange (CTG)

60° Elbow



4S



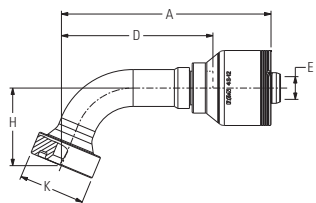
6S

# Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S12CTG12	-12	19	-12	41,3	1.63	136,6	5.38	100,5	3.96	14,2	0.56	42,3	1.67
4S16CTG16	-16	25	-16	47,6	1.87	158,8	6.25	119,0	4.69	19,2	0.76	48,7	1.92
4S20CTG16	-20	25	-16	54,0	2.13	185,2	7.29	145,5	5.73	19,2	0.76	59,2	2.33
4S20CTG20**	-20	31	-20	54,0	2.13	202,6	7.98	146,6	5.77	25,2	0.99	59,2	2.33
4S24CTG20**	-24	31	-20	63,5	2.50	224,3	8.83	168,3	6.63	25,2	0.99	66,6	2.62
4S24CTG24	-24	38	-24	63,5	2.50	254,2	10.01	176,2	6.94	31,1	1.22	66,6	2.62
4S32CTG32	-32	51	-32	79,4	3.13	310,0	12.20	231,9	9.13	42,1	1.66	87,3	3.44
6S16CTG16	-16	25	-16	47,6	1.87	158,8	6.25	119,0	4.69	19,2	0.76	48,7	1.92
6S20CTG16	-20	25	-16	54,0	2.13	185,2	7.29	145,5	5.73	19,2	0.76	59,2	2.33
6S20CTG20	-20	31	-20	54,0	2.13	202,6	7.98	146,6	5.77	25,2	0.99	59,2	2.33
6S24CTG20	-24	31	-20	63,5	2.50	224,3	8.83	168,3	6.63	25,2	0.99	66,6	2.62
6S24CTG24	-24	38	-24	63,5	2.50	254,2	10.01	176,2	6.94	31,1	1.22	66,6	2.62
6S32CTG24	-32	38	-24	79,4	3.13	307,0	12.09	229,0	9.02	31,1	1.22	87,3	3.44
6S32CTG32	-32	51	-32	79,4	3.13	310,0	12.20	231,9	9.13	42,1	1.66	87,3	3.44

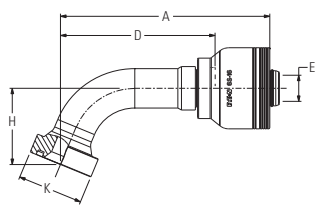
** Note: Items will be available in the near future. Communication will be sent when available.

CAT® Flange (CTE)

67.5° Elbow



4S



6S

# Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S12CTE12	-12	19	-12	41,3	1.63	130,7	5.15	94,5	3.72	14,2	0.56	48,3	1.90
4S16CTE16	-16	25	-16	47,6	1.87	151,9	5.98	112,2	4.42	19,2	0.76	55,8	2.20
4S20CTE16	20	25	-16	54,0	2.13	176,9	6.96	137,1	5.40	19,2	0.76	68,1	2.68
4S20CTE20**	-20	31	-20	54,0	2.13	194,2	7.65	138,3	5.44	25,2	0.99	68,1	2.68
4S24CTE20**	-24	31	-20	63,5	2.50	214,9	8.46	159,0	6.26	25,2	0.99	76,8	3.02
4S24CTE24	-24	38	-24	63,5	2.50	244,8	9.64	166,8	6.57	31,1	1.22	76,8	3.02
4S32CTE32	-32	51	-32	79,4	3.13	297,6	11.72	219,6	8.65	42,1	1.66	100,8	3.97
6S16CTE16	-16	25	-16	47,6	1.87	151,9	5.98	112,2	4.42	19,2	0.76	55,8	2.20
6S20CTE16	-20	25	-16	54,0	2.13	176,9	6.96	137,1	5.40	19,2	0.76	68,1	2.68
6S20CTE20	-20	31	-20	54,0	2.13	194,2	7.65	138,3	5.44	25,2	0.99	68,1	2.68
6S24CTE20	-24	31	-20	63,5	2.50	214,9	8.46	159,0	6.26	25,2	0.99	76,8	3.02
6S24CTE24	-24	38	-24	63,5	2.50	244,8	9.64	166,8	6.57	31,1	1.22	76,8	3.02
6S32CTE24	-32	38	-24	79,4	3.13	294,7	11.60	216,7	8.53	31,1	1.22	100,8	3.97
6S32CTE32	-32	51	-32	79,4	3.13	297,6	11.72	219,6	8.65	42,1	1.66	100,8	3.97

** Note: Items will be available in the near future. Communication will be sent when available.

Crimp fittings

Spiral hose fittings (4S/6S Series)

H

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

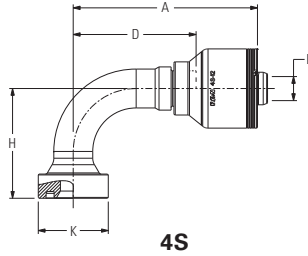
6S Fittings

For use with hose:

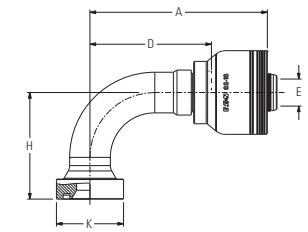
FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-24

CAT® Flange (CTB)

90° Elbow



4S



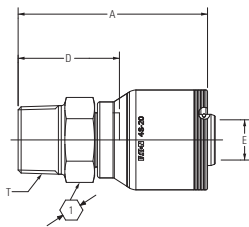
6S

# Part Number	Terminal End	Hose Size		Flange Head Dia. K Ø		A		D		E Ø		H	
		DN	Dash size	mm	in	mm	in	mm	in	mm	in	mm	in
4S12CTB12	-12	19	-12	41,3	1.63	108,5	4.27	72,3	2.85	14,2	0.56	64,5	2.54
4S16CTB12	-16	19	-12	47,6	1.87	122,8	4.83	86,6	3.41	14,2	0.56	75,7	2.98
4S16CTB16	-16	25	-16	47,6	1.87	126,0	4.96	86,2	3.39	19,2	0.76	75,7	2.98
4S20CTB16	-20	25	-16	54,0	2.13	145,2	5.72	105,4	4.15	19,2	0.76	92,9	3.66
4S20CTB20	-20	31	-20	54,0	2.13	161,5	6.36	106,5	4.19	25,2	0.99	92,9	3.66
4S24CTB20**	-24	31	-20	63,5	2.50	179,0	7.05	123,0	4.84	25,2	0.99	105,6	4.16
4S24CTB24	-24	38	-24	63,5	2.50	208,9	8.22	130,9	5.15	31,1	1.22	105,7	4.16
4S32CTB32	-32	51	-32	79,4	3.13	250,3	9.85	172,2	6.78	42,1	1.66	139,7	5.50
6S16CTB16	-16	25	-16	47,6	1.87	126,0	4.96	86,2	3.39	19,2	0.76	75,7	2.98
6S20CTB16	-20	25	-16	54,0	2.13	145,2	5.72	105,4	4.15	19,2	0.76	92,9	3.66
6S20CTB20	-20	31	-20	54,0	2.13	162,5	6.40	106,5	4.19	25,2	0.99	92,9	3.66
6S24CTB20	-24	31	-20	63,5	2.50	179,0	7.05	123,0	4.84	25,2	0.99	105,6	4.16
6S24CTB24	-24	38	-24	63,5	2.50	208,9	8.22	130,9	5.15	31,1	1.22	105,7	4.16
6S32CTB24	-32	38	-24	69,6	2.74	247,4	9.74	169,4	6.67	31,1	1.22	139,7	5.50
6S32CTB32	-32	51	-32	79,4	3.13	250,3	9.85	172,2	6.78	42,1	1.66	139,7	5.50

** Note: Items will be available in the near future. Communication will be sent when available.

BSP Male tapered rigid (BT)

Straight



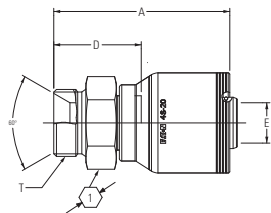
4S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1
		DN	Dash size		mm	in	mm	in	mm	in	
4S12BT12	-12	19	-12	R 3/4-14	84,0	3.31	47,7	1.88	14,2	0.56	27,0
4S16BT16	-16	25	-16	R 1-11	94,9	3.74	55,2	2.17	19,2	0.75	36,0
4S20BT20	-20	31	-20	R 1 1/4-11	118,4	4.66	63,3	2.49	25,2	0.99	46,0

"R" as part of thread size is ISO designation for tapered thread.

BSP Male parallel rigid (BP)

60° Cone Seat
Straight



4S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1
		DN	Dash size		mm	in	mm	in	mm	in	
4S12BP12	-12	19	-12	G 3/4-14	79,6	3.13	43,4	1.71	14,2	0.56	32,0
4S16BP16	-16	25	-16	G 1-11	89,8	3.53	50,1	1.97	19,2	0.75	41,0
4S20BP20	-20	31	-20	G 1 1/4-11	109,7	4.32	54,5	2.15	25,1	0.99	50,0

"G" as part of thread size is ISO designation for parallel thread.

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

FC500-12,-16,-20,-24;
FC273B-12,-16;
GH506-12,-16,-20,-24,-32;
FC254-12,-16,-20,-24,-32;
EC810-12,-16;

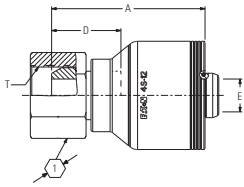
6S Fittings

For use with hose:

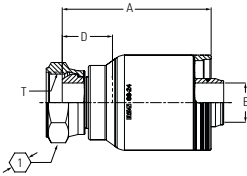
FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-24

Female BSPP swivel (BF)

60° Cone Seat
Straight



4S



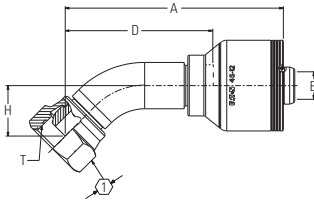
6S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1
		DN	Dash size		in	mm	in	mm	in	mm	
4S12BF12	-12	19	-12	G 3/4-14	66,2	2.61	29,9	1.18	14,2	0.56	32,0
4S16BF12	-16	19	-12	G 1-11	68,7	2.70	32,3	1.27	14,2	0.56	41,0
4S16BF16	-16	25	-16	G 1-11	71,0	2.80	32,3	1.27	19,2	0.76	41,0
4S20BF16	-20	25	-16	G 1 1/4-11	72,5	2.85	32,7	1.29	19,2	0.76	50,0
4S20BF20	-20	31	-20	G 1 1/4-11	82,8	3.26	32,7	1.29	25,2	0.99	50,0
4S24BF24	-24	38	-24	G 1 1/2-11	117,9	4.64	39,8	1.57	31,1	1.22	55,0
4S32BF32	-32	51	-32	G 2-11	121,0	4.76	43,0	1.69	42,1	1.66	70,0
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm
6S24BF24	-24	38	-24	G 1 1/2-11	117,9	4.64	39,8	1.57	31,1	1.22	55,0
6S32BF32	-32	51	-32	G 2-11	121,0	4.76	43,0	1.69	42,1	1.66	70,0

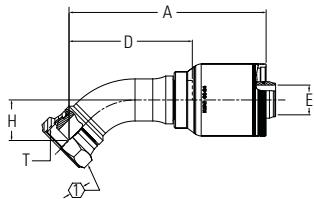
"G" as part of thread size is ISO designation for parallel thread.

Female BSPP swivel (BFA)

60° Cone Seat
45° Elbow



4S



6S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		H	1	
		DN	Dash size		in	mm	in	mm	in	mm			
4S12BFA12	-12	19	-12	G 3/4-14	112,3	4.42	75,9	2.99	14,2	0.56	26,0	1.02	32,0
4S16BFA12	-16	19	-12	G 1-11	115,8	4.56	79,5	3.13	14,2	0.56	30,0	1.18	41,0
4S16BFA16	-16	25	-16	G 1-11	130,3	5.13	90,6	3.57	19,2	0.76	30,0	1.18	41,0
4S20BFA16	-20	25	-16	G 1 1/4-11	133,0	5.24	93,4	3.68	19,2	0.76	34,0	1.34	50,0
4S20BFA20	-20	31	-20	G 1 1/4-11	149,5	5.89	99,1	3.90	25,2	0.99	34,0	1.34	50,0
4S24BFA24	-24	38	-24	G 1 1/2-11	208,3	8.20	130,3	5.13	31,1	1.22	42,4	1.67	55,0
4S32BFA32	-32	51	-32	G 2-11	248,4	9.78	170,4	6.71	42,1	1.66	54,1	2.13	70,0
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm
6S24BFA24	-24	38	-24	G 1 1/2-11	208,3	8.20	130,3	5.13	31,1	1.22	42,4	1.67	55,0
6S32BFA32	-32	51	-32	G 2-11	248,4	9.78	170,4	6.71	42,1	1.66	54,1	2.13	70,0

"G" as part of thread size is ISO designation for parallel thread.

Crimp fittings

Spiral hose fittings (4S/6S Series)

H

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

FC500-12,-16,-20,-24;
FC273B-12,-16;
GH506-12,-16,-20,-24,-32;
FC254-12,-16,-20,-24,-32;
EC810-12,-16;

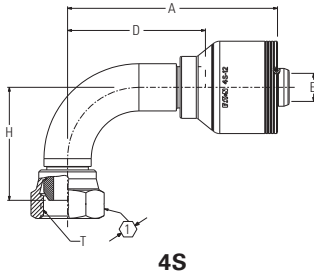
6S Fittings

For use with hose:

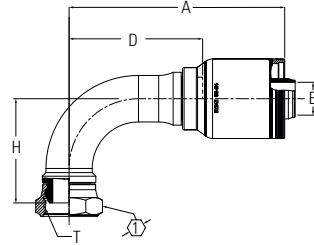
FC500-32; FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32; GH466-20,-24

Female BSPP swivel (BFB)

60° Cone Seat
90° Elbow



4S



6S

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		H		mm
		DN	Dash size		in	mm	in	mm	in	mm	in	mm	
4S12BFB12	-12	19	-12	G 3/4-14	105,9	4.17	69,6	2.74	14,2	0.56	57,0	2.24	32,0
4S16BFB12	-16	19	-12	G 1-11	105,9	4.17	69,6	2.74	14,2	0.56	68,0	2.68	41,0
4S16BFB16	-16	25	-16	G 1-11	125,5	4.94	85,8	3.38	19,2	0.76	68,0	2.68	41,0
4S20BFB16	-20	25	-16	G 1 1/4-11	125,5	4.94	85,8	3.38	19,2	0.76	79,0	3.11	50,0
4S20BFB20	-20	31	-20	G 1 1/4-11	145,0	5.71	95,0	3.74	25,2	0.99	79,0	3.11	50,0
4S24BFB24	-24	38	-24	G 1 1/2-11	205,1	8.07	127,0	5.00	31,1	1.22	98,6	3.88	55,0
4S32BFB32	-32	51	-32	G 2-11	245,7	9.67	167,6	6.60	42,1	1.66	125,3	4.93	70,0
6S	Dash size	DN	Dash size	in	mm	in	mm	in	mm	in	mm	in	mm
6S24BFB24	-24	38	-24	G 1 1/2-11	205,1	8.07	127,0	5.00	31,1	1.22	98,6	3.88	55,0
6S32BFB32	-32	51	-32	G 2-11	245,7	9.67	167,6	6.60	42,1	1.66	125,3	4.93	70,0

"G" as part of thread size is ISO designation for parallel thread.

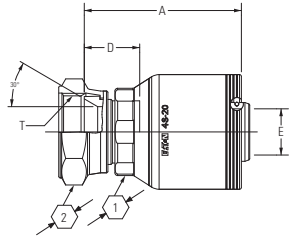
4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

JIS Female swivel (JF)

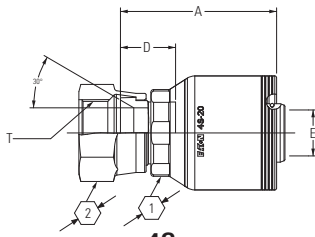
30° Flare Seat
Straight



4S

Komatsu Female swivel (KF)

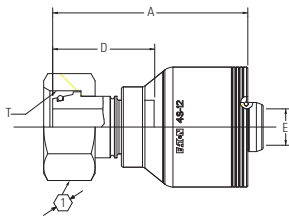
30° Flare Seat
Straight



4S

Female swivel DIN 24° seat (DL)

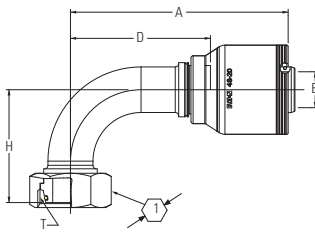
I.Rh DKO (Light)
Straight



4S

Female swivel DIN 24° Seat (DLB)

I.Rh DKO (Light)
90° Elbow



4S

6S Fittings

For use with hose:

FC500-12,-16,-20,-24;
FC273B-12,-16;
GH506-12,-16,-20,-24,-32;
FC254-12,-16,-20,-24,-32;
EC810-12,-16;

FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-24

# Part Number	Terminal End	Hose Size		Thread	A		D		E Ø		1		2
		DN	Dash size		in	mm	in	mm	in	mm	in	mm	
4S12JF12	-12	19	-12	G 3/4-14	62,4	2.46	26,2	1.03	14,2	0.56	30,0	1 3/16	32,0
4S16JF16	-16	25	-16	G 1-11	66,6	2.62	26,8	1.06	19,2	0.76	41,0	1 5/8	41,0
4S20JF20	-20	31	-20	G 1 1/4-11	85,5	3.37	30,2	1.19	25,2	0.99	46,0	1 13/16	50,0

"G" as part of thread size is ISO designation for parallel thread.

# Part Number	Tube O.D.	Hose Size		Thread	A		D		E Ø		1		2
		DN	Dash size		Metric	mm	in	mm	in	mm	in	mm	
4S12KF12	-12	19	-12	M30X1.5	62,4	2.46	26,2	1.03	14,2	0.56	30,0	1 3/16	36,0
4S16KF16	-16	25	-16	M33X1.5	66,6	2.62	26,8	1.06	19,2	0.76	41,0	1 5/8	41,0
4S20KF20	-20	31	-20	M36X1.5	85,5	3.37	30,2	1.19	25,2	0.99	46,0	1 13/16	46,0

# Part Number	Tube O.D.	Hose Size		Thread	A		D		E Ø		1
		DN	Dash size		Metric	mm	in	mm	in	mm	
4S20DL12	-20	19	-12	M30X2	76,0	2.99	39,7	1.56	14,2	0.56	36,0
4S25DL16	-25	25	-16	M36X2	79,7	3.14	40,3	1.59	19,2	0.76	41,0
4S32DL20	-32	31	-20	M45X2	100,5	3.96	45,5	1.79	25,2	0.99	50,0

# Part Number	Tube O.D.	Hose Size		Thread	A		D		E Ø		H	1	
		DN	Dash size		Metric	mm	in	mm	in	mm			in
4S20DLB12	-20	19	-12	M30X2	106,1	4.18	69,8	2.75	14,2	0.56	50,7	2.00	36,0
4S32DLB20	-32	31	-20	M45X2	154,2	6.07	99,2	3.90	25,2	0.99	79,0	3.11	50,0

Crimp fittings

Spiral hose fittings (4S/6S Series)

H

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

6S Fittings

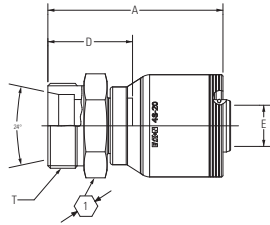
For use with hose:

FC500-12,-16,-20,-24;
FC273B-12,-16;
GH506-12,-16,-20,-24,-32;
FC254-12,-16,-20,-24,-32;
EC810-12,-16;

FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-24

Male DIN 24° Seat Rigid (EK)

S.Rh. DKO (Heavy)
Straight

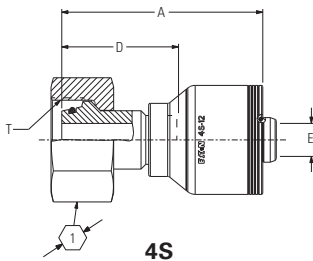


4S

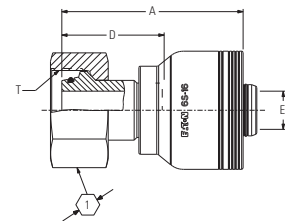
# Part Number	Tube O.D.	Hose Size		Thread	A		D		E Ø		1
		DN	Dash size		mm	in	mm	in	mm	in	
4S20EK12	-20	19	-12	M36X2	78,6	3.09	42,3	1.67	14,2	0.56	41,0
4S25EK16	-25	25	-16	M42X2	83,7	3.30	44,0	1.73	19,2	0.75	46,0
4S32EK20	-32	31	-20	M52X2	106,9	4.21	51,7	2.04	25,2	0.99	55,0

Female Swivel DIN 24° Seat (DS)

S.Rh DKO (Heavy)
Straight



4S



6S

# Part Number	Tube O.D.	Hose Size		Thread	A		D		E Ø		1
		DN	Dash size		mm	in	mm	in	mm	in	
4S16DS12	-16	19	-12	M30X2	73,7	2.90	37,4	1.47	14,2	0.56	36,0
4S20DS12	-20	19	-12	M36X2	86,6	3.41	50,3	1.98	14,2	0.56	46,0
4S25DS12	-25	19	-12	M42X2	88,2	3.47	51,9	2.04	14,2	0.56	50,0
4S25DS16	-25	25	-16	M42X2	91,1	3.59	51,4	2.02	19,2	0.76	50,0
4S32DS16	-32	25	-16	M52X2	94,5	3.72	55,3	2.18	19,2	0.76	60,0
4S25DS20	-25	31	-20	M42X2	96,6	3.80	41,6	1.64	22,1	0.87	50,0
4S32DS20	-32	31	-20	M52X2	111,5	4.39	56,5	2.22	25,2	0.99	60,0
6S	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm
6S25DS16	-25	25	-16	M42X2	91,1	3.59	51,4	2.02	19,2	0.76	50,0
6S32DS16	-32	25	-16	M52X2	95,0	3.74	55,3	2.18	19,2	0.76	60,0
6S32DS20	-32	31	-20	M52X2	112,5	4.43	56,5	2.22	25,2	0.99	60,0

4S Fittings

For use with hose:

EC525-12,-16,-20,-24,-32;
GH493-12,-16,-20,-24,-32;
FC636-12,-16,-20,-24,-32;
FC736-12,-16,-20,-24,-32;

FC500-12,-16,-20,-24;
FC273B-12,-16;
GH506-12,-16,-20,-24,-32;
FC254-12,-16,-20,-24,-32;
EC810-12,-16;

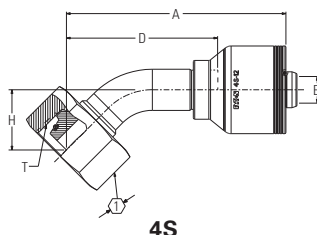
6S Fittings

For use with hose:

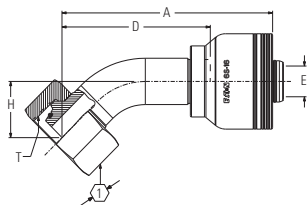
FC500-32;
FC273B-20,-24,-32;
FC606-16,-20,-24;
EC810-20,-24,-32;
GH466-20,-24

Female Swivel DIN 24° Seat (DSA)

S.Rh DKO (heavy)
45° Elbow



4S

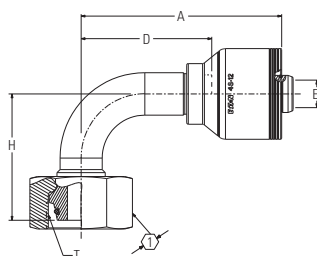


6S

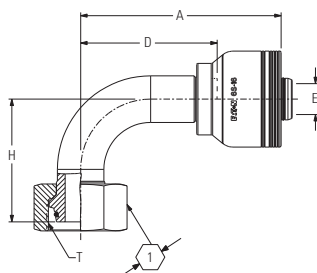
# Part Number	Tube O.D.	Hose Size		Thread	A		D		E Ø		H	1	
		DN	Dash size		mm	in	mm	in	mm	in			
4S	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm		
4S20DSA12	-20	19	-12	M36X2	116,7	4.59	80,4	3.17	14,2	0.56	32,0	1.26	46,0
4S25DSA12	-25	19	-12	M42X2	130,8	5.15	94,4	3.72	14,2	0.56	35,0	1.38	50,0
4S25DSA16	-25	25	-16	M42X2	134,2	5.28	94,4	3.72	19,2	0.76	35,0	1.38	50,0
4S32DSA16	-32	25	-16	M52X2	145,1	5.71	105,3	4.15	19,2	0.76	39,0	1.54	60,0
4S32DSA20	-32	31	-20	M52X2	161,3	6.35	106,3	4.19	25,2	0.99	39,0	1.54	60,0
6S	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm		
6S25DSA16	-25	25	-16	M42X2	134,1	5.28	94,4	3.72	19,2	0.76	35,0	1.38	50,0
6S32DSA16	-32	25	-16	M52X2	145,1	5.71	105,3	4.15	19,2	0.76	39,0	1.54	60,0
6S32DSA20	-32	31	-20	M52X2	162,4	6.39	106,3	4.19	25,2	0.99	39,0	1.54	60,0

Female swivel DIN 24° Seat (DSB)

S.Rh DKO (heavy)
90° Elbow



4S



6S

# Part Number	Tube O.D.	Hose Size		Thread	A		D		E Ø		H	1	
		DN	Dash size		mm	in	mm	in	mm	in			
4S	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm		
4S20DSB12	-20	19	-12	M36X2	103,9	4.09	67,7	2.67	14,2	0.56	65,0	2.56	46,0
4S25DSB12	-25	19	-12	M42X2	122,7	4.83	86,4	3.40	14,2	0.56	76,0	2.99	50,0
4S25DSB16	-25	25	-16	M42X2	124,5	4.90	84,8	3.34	19,2	0.76	76,0	2.99	50,0
4S32DSB16	-32	25	-16	M52X2	136,7	5.38	97,0	3.82	19,2	0.76	89,0	3.50	60,0
4S32DSB20	-32	31	-20	M52X2	153,0	6.02	98,0	3.86	25,2	0.99	89,0	3.50	60,0
6S	Dash size	DN	Dash size	Metric	mm	in	mm	in	mm	in	mm		
6S25DSB16	-25	25	-16	M42X2	124,5	4.90	84,8	3.34	19,2	0.76	76,0	2.99	50,0
6S32DSB16	-32	25	-16	M52X2	136,7	5.38	97,0	3.82	19,2	0.76	89,0	3.50	60,0
6S32DSB20	-32	31	-20	M52X2	154,2	6.07	98,0	3.86	25,2	0.99	89,0	3.50	60,0

Crimp fittings

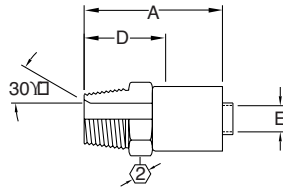
Teflon PTFE fittings
(FC Series)

H

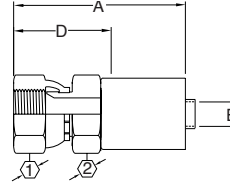
PTFE crimp fittings

For use with hose:
2807, FC465, S-TW
and SC-TW

Male pipe
FC9846



SAE 37° (JIC) swivel
FC9779



Complete fitting part #	Component part numbers		Thd.	Hose Size	A		D		EØ		1	2
	Nipple assy. part #	Socket part #			mm	in	mm	in	mm	in		
Male pipe												
FC9846-0204S*	FC3680-0204S**	FC3596-04S	1/8-27	-04	31,8	1.25	16,8	0.66	3,0	0.12	-	7/16
FC9846-0404S*	FC3680-0404S**	FC3596-04S	1/4-18	-04	38,1	1.50	23,1	0.91	3,0	0.12	-	9/16
FC9846-0405S*	FC3680-0405S**	FC3443-04S	1/4-18	-05	35,6	1.40	23,1	0.91	4,8	0.19	-	9/16
FC9846-0406S*	FC3680-0406S**	FC3443-05S	1/4-18	-06	35,6	1.40	23,1	0.91	6,4	0.25	-	9/16
FC9846-0606S*	FC3680-0606S**	FC3443-05S	3/8-18	-06	35,6	1.40	23,1	0.91	6,4	0.25	-	11/16
FC9846-0608S*	FC3680-0608S**	FC3596-08S	3/8-18	-08	45,7	1.80	23,1	0.91	8,6	0.34	-	11/16
FC9846-0808S*	FC3680-0808S**	FC3596-08S	1/2-14	-08	51,8	2.04	29,5	1.16	8,6	0.34	-	7/8
FC9846-0810S*	FC3680-0810S**	FC3443-08S	1/2-14	-10	51,8	2.04	29,5	1.16	11,2	0.44	-	7/8
FC9846-1212S*	FC3680-1212S**	FC3596-12S	3/4-14	-12	51,8	2.04	29,5	1.16	14,2	0.56	-	1 1/16
FC9846-1616S*	FC3680-1616S**	FC3596-16S	1-11 1/2	-16	58,9	2.32	36,6	1.44	20,3	0.80	-	1 3/8
Male pipe - stainless steel												
FC9846-0204-333	FC3680-0204-329	FC3596-04C	1/8-27	-04	31,8	1.25	16,8	0.66	3,0	0.12	-	7/16
FC9846-0404-333	FC3680-0404-329	FC3596-04C	1/4-18	-04	38,1	1.50	23,1	0.91	3,0	0.12	-	9/16
FC9846-0405-333	FC3680-0405-329	FC3443-04C	1/4-18	-05	35,6	1.40	23,1	0.91	4,8	0.19	-	9/16
FC9846-0406-333	FC3680-0406-329	FC3443-05C	1/4-18	-06	35,6	1.40	23,1	0.91	6,4	0.25	-	9/16
FC9846-0606-333	FC3680-0606-329	FC3443-05C	3/8-18	-06	35,6	1.40	23,1	0.91	6,4	0.25	-	11/16
FC9846-0608-333	FC3680-0608-329	FC3596-08C	3/8-18	-08	45,7	1.80	23,1	0.91	8,6	0.34	-	11/16
FC9846-0810-333	FC3680-0810-329	FC3443-08C	1 1/2-14	-10	51,8	2.04	29,5	1.16	11,2	0.44	-	7/8
FC9846-1212-333	FC3680-1212-329	FC3596-12C	3/4-14	-12	51,8	2.04	29,5	1.16	14,2	0.56	-	1 1/16
FC9846-1616-333	FC3680-1616-329	FC3596-16C	1-11 1/2	-16	58,9	2.32	36,6	1.44	20,3	0.80	-	1 3/8
SAE 37° (JIC) swivel												
FC9779-0404S†	FC8779-0404S†	FC3596-04S	7/16-20	-04	39,4	1.55	24,4	0.96	3,0	0.12	9/16	7/16
FC9779-0505S†	FC8779-0505S†	FC3443-04S	1 1/2-20	-05	38,1	1.50	25,7	1.01	4,8	0.19	5/8	1/2
FC9779-0606S†	FC8779-0606S†	FC3443-05S	9/16-18	-06	40,6	1.60	28,2	1.11	6,4	0.25	11/16	9/16
FC9779-0808S†	FC8779-0808S†	FC3596-08S	3/4-16	-08	53,3	2.10	30,7	1.21	8,6	0.34	7/8	11/16
FC9779-1010S†	FC8779-1010S†	FC3443-08S	7/8-14	-10	56,1	2.21	33,5	1.32	11,2	0.44	1	13/16
FC9779-1212S†	FC8779-1212S†	FC3596-12S	11/16-12	-12	58,2	2.29	35,8	1.41	14,2	0.56	1 1/4	1
FC9779-1616S†	FC8779-1616S†	FC3596-16S	1 5/16-12	-16	64,0	2.52	41,7	1.64	20,3	0.80	1 1/2	1 1/4
SAE 37° (JIC) swivel - stainless steel												
FC9779-0404-333	FC8779-0404-333	FC3596-04C	7/16-20	-04	39,4	1.55	24,4	0.96	3,0	0.12	9/16	7/16
FC9779-0505-333	FC8779-0505-333	FC3443-04C	1/2-20	-05	38,1	1.50	25,7	1.01	4,8	0.19	5/8	1/2
FC9779-0606-333	FC8779-0606-333	FC3443-05C	9/16-18	-06	40,6	1.60	28,2	1.11	6,4	0.25	11/16	9/16
FC9779-0808-333	FC8779-0808-333	FC3596-08C	3/4-16	-08	53,3	2.10	30,7	1.21	8,6	0.34	7/8	11/16
FC9779-1010-333	FC8779-1010-333	FC3443-08C	7/8-14	-10	56,1	2.21	33,5	1.32	11,2	0.44	1	13/16
FC9779-1212-333	FC8779-1212-333	FC3596-12C	1 5/16-12	-12	58,2	2.29	35,8	1.41	14,2	0.56	1 1/4	1
FC9779-1616-333	FC8779-1616-333	FC3596-16C	1 5/16-12	-16	64,0	2.52	41,7	1.64	20,3	0.80	1 1/2	1 1/4

* For brass drop "S" suffix, replace with -38.
**For brass drop "S" suffix, replace with "B".
† For brass drop "S" suffix, replace with -63.

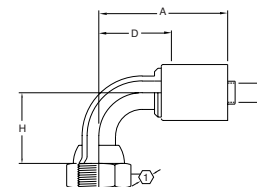
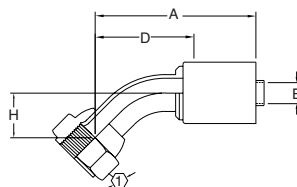
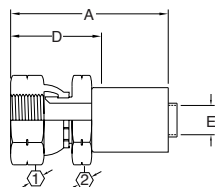
PTFE crimp fittings

For use with hose:
2807, FC465, S-TW
and SC-TW

SAE 45° swivel
FC7216

45° elbow universal
FC7220

90° elbow
FC5098 universal
FC7217 SAE 45°



Complete fitting part #	Component part numbers		Thd.	Hose Size	A		D		EØ		H		①	②
	Nipple assy. part #	Socket part #			mm	in	mm	in	mm	in	mm	in		
SAE 45° swivel														
FC7216-0404S	FC6216-0404S†	FC3596-04S	7/16-20	-04	39,4	1.55	24,4	0.96	3,0	0.12	-	-	9/16	7/16
FC7216-0505S	FC6216-0505S††	FC3443-04S	1/2-20	-05	38,1	1.50	25,7	1.01	4,8	0.19	-	-	5/8	1/2
FC7216-0606S	FC6216-0606S†	FC3443-05S	5/8-18	-06	41,4	1.63	29,0	1.14	6,4	0.25	-	-	3/4	9/16
FC7216-0808S	FC6216-0808S†	FC3596-08S	3/4-16	-08	53,3	2.10	30,7	1.21	8,6	0.34	-	-	7/8	11/16
FC7216-1010S	FC6216-1010S†	FC3443-08S	7/8-14	-10	56,1	2.21	33,5	1.32	11,2	0.44	-	-	1	13/16
FC7216-1212S	FC6216-1212S†	FC3596-12S	1 1/16-14	-12	58,2	2.29	35,8	1.41	14,2	0.56	-	-	1 1/4	1
45° elbow														
FC7220-0808S	FC6220-0808S	FC3596-08S	3/4-16	-08	54,9	2.16	32,3	1.27	9,1	0.36	14,0	0.55	7/8	-
90° elbow														
FC5098-0404S	FC4098-0404S	FC3596-04S	7/16-20	-04	32,5	1.28	17,5	0.69	3,0	0.12	17,3	0.68	9/16	-
FC7217-0606S	FC6217-0606S	FC3443-05S	5/8-18	-06	33,3	1.31	20,8	0.82	6,4	0.25	21,6	0.85	3/4	-

*Available with brass nipples, contact Eaton.
† For brass drop "S" suffix, replace with -63.

Crimp fittings

Truck and fuel 100R5
(FJ Series)

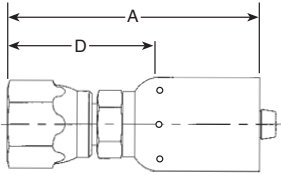
H

100R5 crimp fittings

For use with hose: 1503, FC234, FC300, FC350, FC355

SAE 37° (JIC) swivel

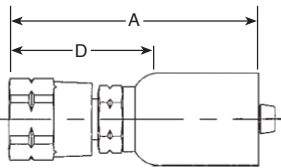
FJ3114-



Complete fitting part #	Hose size	Thread	A		D		HEX	
			mm	in	mm	in	mm	in
FJ3114-								
FJ3114-0404S	-04	7/16-20	47,8	1.88	27,9	1.10	14,2	0.56
FJ3114-0604S	-04	9/16-18	51,6	2.03	31,8	1.25	17,5	0.69
FJ3114-0405S	-05	7/16-20	48,0	1.89	27,9	1.10	14,2	0.56
FJ3114-0505S	-05	1/2-20	49,3	1.94	29,2	1.15	12,7	0.5
FJ3114-0606S	-06	9/16-18	51,8	2.04	31,8	1.25	17,5	0.69
FJ3114-0806S	-06	3/4-16	54,4	2.14	34,3	1.35	22,4	0.88
FJ3114-0608S	-08	9/16-18	53,9	2.12	33,5	1.32	17,5	0.69
FJ3114-0808S	-08	3/4-16	54,6	2.15	34,2	1.35	22,4	0.88
FJ3114-1008S	-08	7/8-14	58,9	2.32	38,8	1.53	25,4	1.00
FJ3114-0810S	-10	3/4-16	58,2	2.29	35,8	1.41	22,4	0.88
FJ3114-1010S	-10	7/8-14	61,2	2.41	38,8	1.53	25,4	1.00
FJ3114-1012S	-12	7/8-14	62,0	2.44	39,0	1.54	25,4	1.00
FJ3114-1212S	-12	1 1/16-12	61,7	2.43	39,4	1.55	31,8	1.25
FJ3114-1216S	-16	1 1/16-12	70,9	2.79	45,7	1.80	31,8	1.25
FJ3114-1616S	-16	1 5/16-12	70,4	2.77	43,9	1.73	38,1	1.5
FJ3114-2020S	-20	1 5/8-12	75,4	2.97	45,5	1.79	50,8	2.00
FJ3114-2024S	-24	1 5/8-12	83,2	3.28	45,5	1.79	50,8	2.00
FJ3114-2424S	-24	1 7/8-12	87,1	3.43	49,3	1.94	57,2	2.25
FJ3114-3232S	-32	2 1/2-12	107,9	4.25	59,2	2.33	73,0	2.25

Straight SAE 45° swivel

FJ3094-



Complete fitting part #	Hose size	Thread	A		D		HEX	
			mm	in	mm	in	mm	in
FJ3094								
FJ3094-0404S	-04	7/16-20	47,8	1.88	26,9	1.10	14,2	0.56
FJ3094-0405S	-05	7/16-20	49,3	1.94	27,9	1.15	14,2	0.56
FJ3094-0505S	-05	1/2-20	53,1	2.09	28,7	1.13	15,8	0.62
FJ3094-0606S	-06	5/8-18	52,7	2.07	32,5	1.28	19,1	0.75
FJ3094-0806S	-06	3/4-16	61,2	2.41	33,5	1.32	22,4	0.88
FJ3094-0808S	-08	3/4-16	54,5	2.15	34,3	1.35	22,4	0.88
FJ3094-0810S	-10	3/4-16	64,5	2.54	36,8	1.45	22,4	0.88
FJ3094-1010S	-10	7/8-14	61,2	2.41	38,8	1.53	25,4	1.00
FJ3094-1012S	-12	7/8-14	68,3	2.69	36,3	1.43	25,4	1.00
FJ3094-1212S	-12	1 1/16-14	61,8	2.43	39,4	1.55	31,8	1.25

* Pictures may not represent actual configuration. Call Eaton Technical Assistance for details.

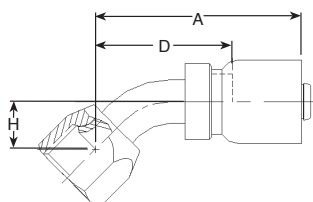
100R5 crimp fittings

45° elbow

FJ3243 - Universal swivel

FJ3246 - SAE 45° swivel

FJ3249 - SAE 37° (JIC) swivel



For use with hose: 1503, FC234, FC300, FC350, FC355

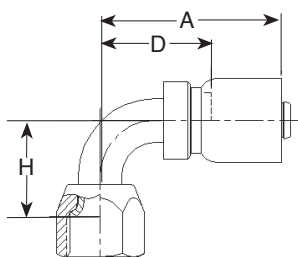
Complete fitting part #	Hose size	Thread	A		D		H		HEX	
			mm	in	mm	in	mm	in	mm	in
FJ3243 universal swivel-										
FJ3243-0404S	-04	7/16-20	43,7	1.72	23,9	0.94	8,3	0.33	14,2	0.56
FJ3243-0405S	-05	7/16-20	43,9	1.73	23,8	0.94	8,3	0.33	14,2	0.56
FJ3243-0505S	-05	1/2-20	45,5	1.79	25,1	0.99	9,1	0.36	15,8	0.62
FJ3243-0808S	-08	3/4-16	58,4	2.30	40,2	1.58	14,0	0.55	22,4	0.88
FJ3243-0810S	-10	3/4-16	61,5	2.42	39,1	1.54	14,0	0.55	22,4	0.88
FJ3243-1010S	-10	7/8-14	63,5	2.50	41,1	1.62	16,0	0.63	25,4	1.00
FJ3246 - SAE 45° swivel-										
FJ3246-0606S	-06	5/8-18	49,3	1.94	29,2	1.15	9,9	0.39	19,1	0.75
FJ3246-1212S	-12	1 1/16-14	71,7	2.82	49,3	1.94	19,7	0.77	31,8	1.25
FJ3249 - SAE 37° (JIC) swivel-										
FJ3249-0606S	-06	9/16-18	49,3	1.94	29,2	1.15	9,9	0.39	17,5	0.69
FJ3249-0608S	-08	9/16-18	49,8	1.96	29,2	1.15	9,9	0.39	17,5	0.69
FJ3249-1212S	-12	1 1/16-12	71,7	2.82	49,3	1.94	19,7	0.77	31,8	1.25
FJ3249-1616S	-16	1 5/16-12	85,7	3.38	60,7	2.39	27,1	1.07	38,1	1.50
FJ3249-2020S	-20	1 5/8-12	100,7	3.96	65,9	2.59	31,0	1.22	50,8	2.00

90° elbow

FJ3244 - Universal swivel

FJ3247 - SAE 45° swivel

FJ3250 - SAE 37° (JIC) swivel



Complete fitting part #	Hose size	Thread	A		D		H		HEX	
			mm	in	mm	in	mm	in	mm	in
FJ3244 universal swivel-										
FJ3244-0404S	-04	7/16-20	40,9	1.61	21,1	0.83	17,3	0.68	14,2	0.56
FJ3244-0405S	-05	7/16-20	41,2	1.62	21,1	0.83	17,3	0.68	14,2	0.56
FJ3244-0505S	-05	1/2-20	42,7	1.68	22,5	0.89	19,5	0.77	15,8	0.62
FJ3244-0808S	-08	3/4-16	52,6	2.07	32,3	1.27	27,7	1.09	22,4	0.88
FJ3244-0810S	-10	3/4-16	55,1	2.17	32,9	1.29	27,7	1.09	22,4	0.88
FJ3244-1010S	-10	7/8-14	63,7	2.51	41,4	1.63	31,2	1.23	25,4	1.00
FJ3244-1012S	-12	7/8-14	66,1	2.60	43,4	1.71	31,2	1.23	25,4	1.00
FJ3247 - SAE 45° swivel-										
FJ3247-0606S	-06	5/8-18	46,6	1.84	26,7	1.05	21,6	0.85	19,1	0.75
FJ3247-1212S	-12	1 1/16-14	70,6	2.78	48,3	1.90	46,2	1.82	31,8	1.25
FJ3250 - SAE 37° (JIC) swivel-										
FJ3250-0604S	-04	9/16-18	46,5	1.83	26,7	1.05	21,6	0.85	17,5	0.69
FJ3250-0606S	-06	9/16-18	46,7	1.84	26,7	1.05	21,6	0.85	17,5	0.69
FJ3250-0608S	-08	9/16-18	47,0	1.85	26,7	1.05	21,6	0.85	17,5	0.69
FJ3250-1212S	-12	1 1/16-12	70,6	2.78	48,3	1.90	46,2	1.82	31,8	1.25
FJ3250-1216S	-16	1 1/16-12	74,7	2.94	49,5	1.95	46,2	1.82	31,8	1.25
FJ3250-1616S	-16	1 5/16-12	80,9	3.19	55,9	2.20	60,8	2.39	38,1	1.50
FJ3250-2020S	-20	1 5/8-12	108,5	4.27	73,7	2.90	82,6	3.25	50,8	2.00
FJ3250-2424S	-24	1 7/8-12	108,5	4.27	70,8	2.79	77,5	3.05	57,2	2.25

* Pictures may not represent actual configuration. Call Eaton Technical Assistance for details.

Crimp fittings

Truck and fuel 100R5
(FJ Series)

H

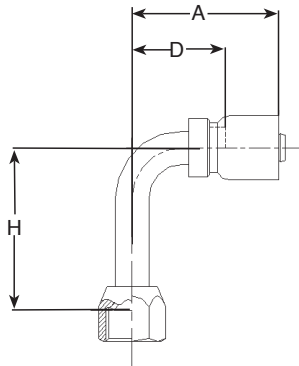
100R5 crimp fittings

90° (long drop) elbow, SAE, JIC and universal swivel

FJ3245-Universal swivel

FJ3248- SAE 45

FJ3251-SAE 37

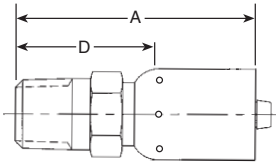


For use with hose: 1503, FC234, FC300, FC350, FC355

Complete fitting part #	Hose size	Thread size	A		D		H		HEX	
			mm	in	mm	in	mm	in	mm	in
FJ3245-Universal swivel										
FJ3245-0404S	-04	7/16 - 20	40,9	1.61	21,1	0.83	45,7	1.80	14,2	0.56
FJ3245-0505S	-05	1/2 - 20	42,8	1.68	22,7	0.89	45,0	1.77	15,9	0.63
FJ3245-0808S	-08	3/4 - 16	55,6	2.19	35,4	1.39	61,7	2.43	22,4	0.88
FJ3245-0810S	-10	3/4 - 16	58,4	2.30	36,0	1.42	61,7	2.43	22,4	0.88
FJ3245-1010S	-10	7/8 - 14	62,4	2.46	40,0	1.57	65,3	2.57	25,4	1.00
FJ3248- SAE 45										
FJ3248-0606S	-06	5/8 - 18	46,8	1.84	26,7	1.05	55,3	2.18	19,1	0.75
FJ3248-1212S	-12	1 1/16 - 14	70,6	2.78	48,3	1.90	94,7	3.73	31,8	1.25
FJ3251-SAE 37										
FJ3251-0606S	-06	9/16 - 18	46,8	1.84	26,7	1.05	55,3	2.18	17,5	0.69
FJ3251-1212S	-12	1 1/16 - 12	70,6	2.78	48,3	1.90	94,7	3.73	31,8	1.25
FJ3251-1616S	-16	1 5/16 - 12	80,9	3.19	55,9	2.20	116,4	4.58	38,1	1.50

Male pipe

FJ3152-



Complete fitting part #	Hose size	Thread	A		D	
			mm	in	mm	in
FJ3152-						
FJ3152-0204S	-04	1/8-27	45,3	1.78	25,5	1.00
FJ3152-0404S	-04	1/4-18	46,9	1.85	27,0	1.06
FJ3152-0405S	-05	1/4-18	47,8	1.88	23,6	0.93
FJ3152-0406S	-06	1/4-18	47,1	1.85	27,0	1.06
FJ3152-0606S	-06	3/8-18	47,1	1.85	27,0	1.06
FJ3152-0608S	-08	3/8-18	51,8	2.04	24,9	0.98
FJ3152-0808S	-08	1/2-14	54,6	2.15	34,4	1.35
FJ3152-0810S	-10	1/2-14	56,9	2.24	34,5	1.36
FJ3152-0812S	-12	1/2-14	6,39	2.52	32,0	1.26
FJ3152-1210S	-10	3/4-14	62,7	2.47	35,1	1.38
FJ3152-1212S	-12	3/4-14	56,9	2.24	34,5	1.36
FJ3152-1216S	-16	3/4-14	68,3	2.69	35,6	1.40
FJ3152-1616S	-16	1-11 1/2	66,3	2.61	41,3	1.63
FJ3152-2020S	-20	1 1/4-11 1/2	75,7	2.98	45,6	1.79
FJ3152-2424S	-24	1 1/2-11 1/2	85,9	3.38	48,2	1.90
FJ3152-3232S	-32	2-11 1/2	104,3	4.11	55,6	2.19

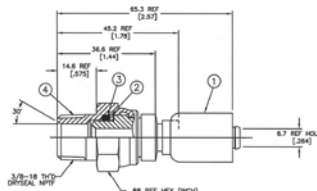
* Pictures may not represent actual configuration. Call Eaton Technical Assistance for details.

100R5 crimp fittings

For use with hose: 1503, FC234, FC300, FC350, FC355

MALE pipe swivel - MTO

EJ3998-

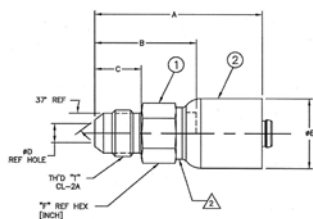


Complete fitting part #	Hose size	Thread	A		D		HEX	
			mm	in	mm	in	mm	in
EJ3998*								
EJ3998-0606S	-06	3/8-18	68,1	2.68	36,6	1.44	22,4	0.88
EJ3998-0608S	-08	3/8-18	65,3	2.57	38,8	1.44	22,4	0.88

* MTO (Made to order)

Straight male 37° flare - Ridgid

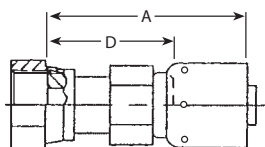
EJ7537-



Complete fitting part #	Hose size	Thread	A		D		HEX	
			mm	in	mm	in	mm	in
EJ7537								
EJ7537-1212S	-12	1 1/16-12	66,0	2.60	43,7	1.72	28,6	1.13

ORS swivel straight

FJ3468-



Complete fitting part #	Hose size	Thread	A		D		HEX	
			mm	in	mm	in	mm	in
FJ3468-								
FJ3468-0404S	-04	9/16-18	46,6	1.83	26,8	1.05	17,5	0.69
FJ3468-0405S	-05	9/16-18	48,4	1.91	28,3	1.12	17,5	0.69
FJ3468-0605S	-05	11/16-16	50,7	1.99	30,6	1.21	20,6	0.81
FJ3468-0805S	-05	13/16-16	54,7	2.15	34,6	1.36	23,9	0.94
FJ3468-0606S	-06	11/16-16	50,7	1.99	30,6	1.21	20,6	0.81
FJ3468-0806S	-06	13/16-16	54,7	2.15	34,6	1.36	23,9	0.94
FJ3468-0608S	-08	11/16-16	52,6	2.07	32,4	1.28	20,6	0.81
FJ3468-0808S	-08	13/16-16	54,8	2.16	34,6	1.38	23,9	0.94
FJ3468-0810S	-10	13/16-16	57,1	2.25	34,7	1.37	23,9	0.94
FJ3468-1010S	-10	1-14	59,6	2.34	37,2	1.46	28,6	1.13
FJ3468-1210S	-10	1 3/16-12	63,6	2.50	41,2	1.62	34,9	1.38
FJ3468-1212S	-12	1 3/16-12	63,6	2.50	41,2	1.62	34,9	1.38
FJ3468-1216S	-16	1 3/16-12	72,3	2.85	47,3	1.86	34,9	1.38
FJ3468-1616S	-16	1 7/16-12	71,7	2.80	46,1	1.82	41,3	1.63
FJ3468-1620S	-20	1 7/16-12	76,7	3.02	46,5	1.83	41,3	1.63
FJ3468-2020S	-20	1 11/16-12	78,7	3.10	48,6	1.91	47,6	1.88
FJ3468-2424S	-24	2-12	89,6	3.53	51,9	2.04	57,2	2.25

Crimp fittings

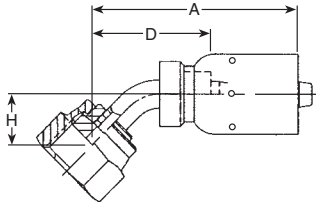
Truck and fuel 100R5
(FJ Series)

H

100R5 crimp fittings

For use with hose: 1503, FC234, FC300, FC350, FC355

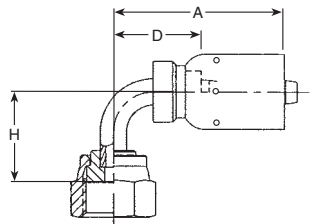
ORS swivel 45° elbow FJ3254-



Complete fitting part #	Hose size	Thread	A		D		H		HEX	
			mm	in	mm	in	mm	in	mm	in
FJ3254-										
FJ3254-0404S	-04	9/16-18	46,5	1.83	26,7	1.05	11,2	0.44	17,5	0.69
FJ3254-0405S	-05	9/16-18	47,0	1.85	27,2	1.07	8,3	0.33	17,5	0.69
FJ3254-0406S*	-06	9/16-18	47,6	1.87	27,5	1.08	11,4	0.45	17,5	0.69
FJ3254-0606S	-06	11/16-16	50,6	1.99	30,2	1.19	11,2	0.44	20,6	0.81
FJ3254-0808S	-08	13/16-16	59,4	2.34	39,1	1.54	15,0	0.59	23,9	0.94
FJ3254-0810s	-10	13/16-16	62,2	2.45	39,9	1.57	15,0	0.59	23,9	0.94
FJ3254-1010S	-10	1-14	67,3	2.65	45,1	1.77	17,6	0.69	28,6	1.13
FJ3254-1210S	-10	1 3/16-12	74,0	2.91	51,6	2.03	21,6	0.85	34,9	1.38
FJ3254-1212S	-12	1 3/16-12	73,2	2.88	50,8	1.99	21,1	0.83	34,9	1.38
FJ3254-1216S*	-16	1 3/16-12	80,5	3.17	52,6	2.07	21,4	0.84	34,9	1.38
FJ3254-1616S	-16	1 7/16-12	82,7	3.25	57,7	2.27	24,1	0.95	41,3	1.63

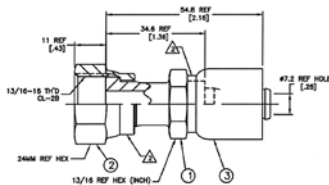
*MTO (Made to order)

ORS swivel 90° elbow FJ3255-



Complete fitting part #	Hose size	Thread	A		D		H		HEX	
			mm	in	mm	in	mm	in	mm	in
FJ3255-										
FJ3255-0404S	-04	9/16-18	40,9	1.61	21,1	0.83	21,4	0.84	17,5	0.69
FJ3255-0405S	-05	9/16-18	44,3	1.74	21,4	0.84	21,7	0.85	17,5	0.69
FJ3255-0605S	-05	11/16-16	46,7	1.84	26,7	1.05	23,1	0.91	20,6	0.81
FJ3255-0406S	-06	9/16-18	43,6	1.72	23,6	0.93	21,4	0.84	17,5	0.69
FJ3255-0606S	-06	11/16-16	46,7	1.84	26,7	1.05	23,1	0.91	20,6	0.81
FJ3255-0806S	-06	11/16-16	52,3	2.06	32,3	1.27	29,2	1.15	23,9	0.94
FJ3255-0608S	-08	11/16-16	47,2	1.86	27,1	1.07	23,9	0.94	20,6	0.81
FJ3255-0808S	-08	13/16-16	52,5	2.07	32,3	1.27	29,2	1.15	23,9	0.94
FJ3255-0810S	-10	13/16-16	55,4	2.18	33,1	1.30	29,7	1.17	23,9	0.94
FJ3255-1010S	-10	1-14	58,4	2.30	36,1	1.42	33,3	1.31	28,6	1.13
FJ3255-1210S	-10	1 3/16-12	71,0	2.80	48,6	1.91	48,9	1.93	34,9	1.38
FJ3255-1212S	-12	1 3/16-12	70,6	2.78	48,3	1.90	48,3	1.90	34,9	1.38
FJ3255-1616S	-16	1 7/16-12	81,0	3.19	55,9	2.20	56,4	2.22	41,3	1.63
FJ3255-2020S	-20	1 11/16-12	92,7	3.65	62,7	2.47	63,4	2.50	47,6	1.88

ORS swivel straight, metric hex EJ3932-



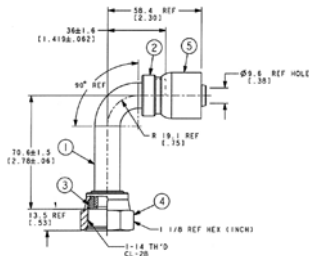
Complete fitting part #	Hose size	Thread	A		D		HEX	
			mm	in	mm	in	mm	in
EJ3932-								
EJ3932-0606S	-06	11/16-16	50,8	2.00	30,7	1.21	22	0.87
EJ3932-0808S	-08	13/16-16	54,8	2.16	34,6	1.36	24	0.94
EJ3932-1010S	-10	1-14	59,6	2.35	37,2	1.49	30	1.18
EJ3932-1212S	-12	1 3/16-12	63,6	2.50	41,2	1.62	30	1.18

100R5 crimp fittings

For use with hose: 1503, FC234, FC300, FC350, FC355

ORS swivel 90° elbow, long drop

EJ5041-

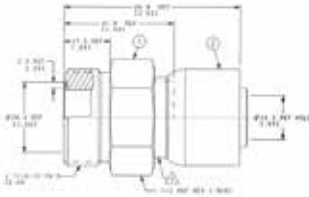


Complete fitting part #	Hose size	Thread	A		D		H		HEX	
			mm	in	mm	in	mm	in	mm	in
EJ5041-										
EJ5041-0606S	-06	11/16-16	50,3	1.98	30,2	1.98	54,4	2.10	20,6	0.81
EJ5041-1010S	-10	1-14	58,4	2.30	36,0	1.42	70,6	2.78	28,6	1.13
EJ5041-1616S*	-16	1 7/16-12	80,9	3.19	55,9	2.20	114,25	4.50	41,3	1.63

*MTO (Made to order)

Male ORS swivel - straight

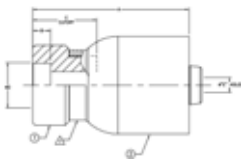
EJ7257-



Complete fitting part #	Hose size	Thread	A		D		①	
			mm	in	mm	in	mm	in
EJ7257-								
EJ7257-1616S	-16	1 7/16-12	66,8	2.63	24,3	0.95	38,1	1.5

LifeSaver braze on hose end

EJ5611

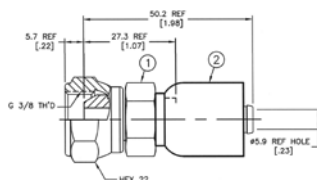


Complete fitting part #	Tube Size*	Hose size	A		D	
			mm	in	mm	in
EJ5611						
EJ5611-0606S	9,5 0.38	-6	34,1	1.34	14,0	0.55
EJ5611-0608S	9,5 0.38	-8	34,2	1.35	14,0	0.55
EJ5611-0808S	12,7 0.50	-8	34,2	1.35	14,0	0.55
EJ5611-0810S	12,7 0.50	-10	37,0	1.46	14,6	0.57
EJ5611-1010S	16,0 0.63	-10	37,0	1.46	14,6	0.57
EJ5611-1212S	19,1 0.75	-12	38,9	1.53	16,5	0.65
EJ5611-1616S	25,4 1.00	-16	42,8	1.69	17,8	0.70

*Counterbore Diameter for mating Tube

BSP 30° female swivel - MTO

EJ3619-



Complete fitting part #	Hose size	Thread	A		D		①	
			mm	in	mm	in	mm	in
EJ3619*								
EJ3619-0404S	-04	1/4-19	46,9	1.85	24,0	0.95	17,0	0.67
EJ3619-0606S	-06	3/8-19	50,2	1.98	27,3	1.07	22,0	0.87
EJ3619-0806S	-06	1/2-14	51,7	2.04	28,8	1.13	27,0	1.06
EJ3619-0808S	-08	1/2-14	59,0	2.32	36,1	1.42	27,0	1.06
EJ3619-1212S	-12	3/4-14	65,1	2.56	39,8	1.57	32,0	1.26
EJ3619-1616S	-16	1-11	64,4	2.54	36,5	1.44	41,0	1.61

*MTO (Made to order)

Crimp fittings

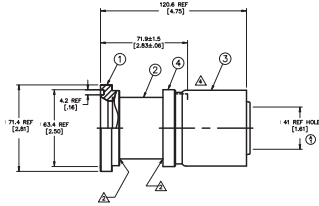
Truck and fuel 100R5
(FJ Series)

H

100R5 crimp fittings

Split flange straight (Code 61)

FJ3549-

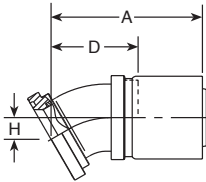


For use with hose: 1503, FC234, FC300, FC350, FC355

Complete fitting part #	Hose size	A		D	
		mm	in	mm	in
FJ3549-					
FJ3549-3232S	-32	120,6	4.75	71,9	2.83

Split flange 30° (Code 61)

FJ3550-

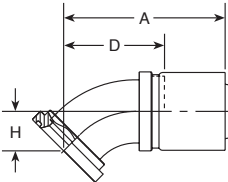


Complete fitting part #	Hose size	A		D		H	
		mm	in	mm	in	mm	in
FJ3550-*							
FJ3550-3232S	-32	114,5	4.51	65,7	2.59	16,4	0.64

*MTO Requires use of Split Die Cage, FT1392-200-R5-32

Split flange 45° (Code 61)

FJ3551-

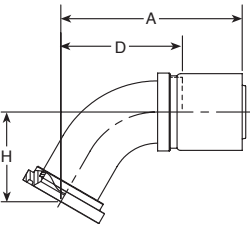


Complete fitting part #	Hose size	A		D		H	
		mm	in	mm	in	mm	in
FJ3551-*							
FJ3551-3232S	-32	129,8	5.11	81,0	3.19	31,8	1.25

*MTO Requires use of Split Die Cage, FT1392-200-R5-32

Split flange 60° (Code 61)

FJ3566-

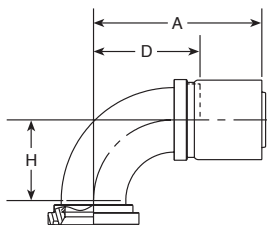


Complete fitting part #	Hose size	A		D		H	
		mm	in	mm	in	mm	in
FJ3566-*							
FJ3566-3232S	-32	148,1	5.83	99,3	3.91	73,2	2.88

*MTO Requires use of Split Die Cage, FT1392-200-R5-32

Split flange 90° (Code 61)

FJ3552-



Complete fitting part #	Hose size	A		D		H	
		mm	in	mm	in	mm	in
FJ3552-							
FJ3552-2020S	-20	101,9	4.01	61,3	2.41	63,5	2.50
FJ3552-2424S	-24	105,3	4.14	67,6	2.66	69,8	2.75
FJ3552-3232S	-32	148,1	5.83	99,3	3.91	73,2	2.88

Split flanges

Split flanges

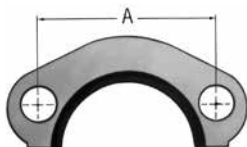
Eaton has standard pressure series (code 61) and high pressure series (code 62) split flange components in kit form that save time in selecting and ordering. Each kit includes two flange halves, four grade-8 hex bolts, four lock washers and an O-Ring. The standard kit has a Buna-N 90 durometer O-Ring that is compatible with petroleum and water-base hydraulic fluids. Optional kits contain EPDM and Viton* O-Ring for applications where fluid compatibility or high temperatures require other than Buna-N O-Ring.

*Viton is a trademark of E.I. DuPont



Two methods can be used to determine the flange dash size and code. The first is by measuring the flange head diameter on the fitting itself. This is referred to as the "K" dimension. The second is by measuring the "A" dimension on the flange or the flange port. Either will determine the dash size and the code since these dimensions are exclusive to either code 61 or code 62 split flange kits. See chart below for these dimensions.

In some cases, split flange fittings are available for hoses which exceed the pressures listed; when ordering fittings or hose assemblies, the terminal end performance rating may reduce the overall rating of the assembly.



"A" Dim.	"K" Flange head diameter	Flange dash size	Maximum operating pressure*		Recommended bolt torque
			bar	psi	
in	in	mm			lb-in
Code 61					
1.50	1.19	-08	350,0	5000	175–225
1.88	1.50	-12	350,0	5000	225–350
2.06	1.75	-16	350,0	5000	325–425
2.31	2.00	-20	280,0	4000	425–550
2.75	2.38	-24	210,0	3000	550–700
3.06	2.81	-32	210,0	3000	650–800
3.50	3.31	-40	175,0	2500	950–1100
4.19	4.00	-48	140,0	2000	1650–1800
Code 62					
1.59	1.25	-08	420,0	6000	175–225
2.00	1.63	-12	420,0	6000	300–400
2.25	1.88	-16	420,0	6000	500–600
2.62	2.12	-20	420,0	6000	750–900
3.12	2.50	-24	420,0	6000	1400–1600
3.81	3.12	-32	420,0	6000	2400–2600

*Per SAE J518 standard.

Assembly procedure

Many leakage problems can be avoided if the split flanges are properly assembled.

To properly assemble

1. Clean all mating surfaces.
2. Lubricate the O-Ring.
3. Partially tighten each bolt in rotation until all are fully tightened to the recommended torque value.

How to order

1. Determine the dash size and the code.
2. Select O-Ring for fluid compatibility.
3. Order by kit number shown on pages H-88 to H-89.

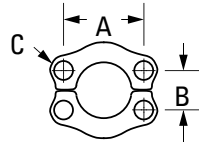
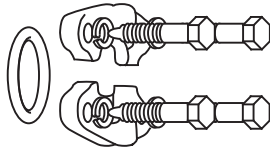
Crimp fittings

Split flange kits

H

Split flange kits

SAE standard pressure series (Code 61) SAE J518



O-Rings material:
Buna-N 90 Durometer
Temperature range:
-40°F to +250°F
(-40°C to + 121°C)

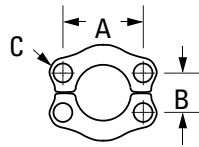
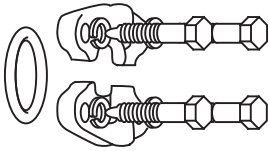
Nominal flange size	Complete kit	*Flange halves 2 required	*Buna-N O-Ring 1 required	*Bolts 4 required	*Lock washer 4 required	A	B	C	Bolt torque lb.-in
1/2	FF593-08	449-74446-8	FF9446-210	FF9442-0520-94	210104-5S	1.50	0.68	0.34	175-225
3/4	FF593-12	449-74446-12	FF9446-214	FF9442-0620-94	210104-6S	1.88	0.88	0.41	250-350
1	FF593-16	449-74446-16	FF9446-219	FF9442-0620-94	210104-2-6S	2.06	1.04	0.41	325-425
1-1/4	FF593-20	449-74446-20	FF9446-222	FF9442-0724-94	210104-7S	2.31	1.18	0.48	425-550
1-1/2	FF593-24	449-74446-24	FF9446-225	FF9442-0824-94	210104-8S	2.75	1.40	0.53	550-700
2	FF593-32	449-74446-32	FF9446-228	FF9442-0824-94	210104-8S	3.06	1.68	0.53	650-800
2-1/2	FF593-40	449-74446-40	FF9446-232	FF9442-0828-94	210104-8S	3.50	2.00	0.53	950-1100
3	FF593-48	449-74446-48	FF9446-237	FF9442-1028-94	210104-10S	4.19	2.44	0.66	1650-1800

* Included in kit.

*Viton kit available as part # FF687-Size. EPDM kit available as part # FF688-size. See pg. H-89 for Viton and EPDM O-Ring part numbers.

Note: All measurements in inches.

SAE high pressure series (Code 62) SAE J518



O-Ring material:
Buna-N 90 Durometer
Temperature range:
-40°F to +250°F
(-40°C to + 121°C)

Note: Code 62 split flange kits cannot be used with Cat flange fittings. Use existing split flanges.

Nominal flange size	Complete kit	*Flange halves 2 required	*Buna-N O-Ring 1 required	*Bolts 4 required	*Lock washer 4 required	A	B	C	Bolt torque lb.-in
3/4	FF595-12	FC3425-12-449	FF9446-214	FF9442-0624-94	210104-6S	2.00	0.94	0.42	300-400
1	FF595-16	FC3425-16-449	FF9446-219	FF9442-0728-94	210104-7S	2.25	1.10	0.50	500-600
1-1/4	FF595-20	FC3425-20-449	FF9446-222	FF9442-0828-94	210104-8S	2.62	1.24	0.60	750-900
1-1/2	FF595-24	FC3425-24-449	FF9446-225	FF9442-1036-94	210104-10S	3.12	1.44	0.66	1400-1600
2	FF595-32	FC3425-32-449	FF9446-228	FF9442-1244-94	210104-12S	3.81	1.76	0.78	2400-2600

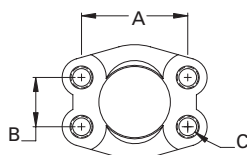
* Included in kit.

* Viton kit available as part #FF689-size. See page H-89 for Viton O-Ring part numbers.

Note: All measurements in inches.

Split flange kits

4 hole flange
SAE standard pressure series
(Code 61) SAE J518

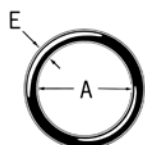


Nominal flange size	4 bolt flange	A	B	C (Threaded)
3/4	FC2119-12-449	1.88	0.88	3/8-16
1	FC2119-16-449	2.06	1.03	7/16-14
1-1/4	FC2119-20-449	2.31	1.19	3/8-16
1-1/2	FC2119-24-449	2.75	1.41	1/2-13
2	FC2119-32-449	3.06	1.69	1/2-13
2-1/2	FC2119-40-449	3.50	2.00	1/2-13

*Available without threads as part #FC3459-size-449.

Note: All measurements in inches.

O-Ring for SAE J518
Split flange



O-Ring base number	Material	Operating temperature range
FF9016 EPDM	80 Durometer	-65°F to +300°F (-55°C to +150°C)
FF9446 Buna-N	90 Durometer Buna-N	-40°F to +250°F (-40°C to +121°C)
22046 Viton	90 Durometer	-15°F to +400°F (-25°C to +205°C)

Available without threads part #FC3459-size-449.

O-Ring dash size designation	Flange dash size	Nominal flange size	A		E	
			mm	in	mm	in
-210	08	1/2	18,5	0.734	3,5	0.139
-214	12	3/4	24,9	0.984	3,5	0.139
-219	16	1	32,9	1.296	3,5	0.139
-222	20	1 1/4	37,7	1.484	3,5	0.139
-225	24	1 1/2	47,2	1.859	3,5	0.139
-228	32	2	56,7	2.234	3,5	0.139
-232	40	2 1/2	69,4	2.734	3,5	0.139
-237	48	3	85,3	3.359	3,5	0.139

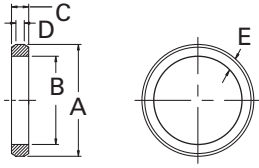
Crimp fittings

O-Rings and kits

H

O-Rings

Cat flange O-Ring*



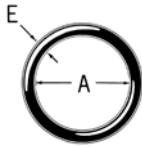
Part number	A		B		C		D		E	
	mm	in	mm	in	mm	in	mm	in	mm	in
FF90319-12	32,3	1.27	25,4	1.00	5,1	0.20	2,5	0.10	3,6	0.14
FF90319-16	38,6	1.52	31,8	1.25	5,1	0.20	2,5	0.10	3,6	0.14
FF90319-20	45,0	1.77	38,1	1.50	5,1	0.20	2,5	0.10	3,6	0.14
FF90319-24	51,6	2.03	44,7	1.76	5,1	0.20	2,5	0.10	3,6	0.14
FF90319-32	70,6	2.78	64,0	2.52	5,1	0.20	2,5	0.10	3,6	0.14

Temperature range: -40°F to +212°F.

Material: Nitrile (Buna-N).

*To be used only with Cat flange.

O-Rings for bump tube O-Ring seal and O-Ring pilot fitting



Part number	O-Ring pilot dash size	A		E	
		mm	in	mm	in
22546-11	-06	7,6	0.30	1,8	0.07
22546-13	-08	10,9	0.43	1,8	0.07
22546-15	-10	14,0	0.55	1,8	0.07
22546-17	-12	17,3	0.68	1,8	0.07

O-Ring seal kit FF16087-01

Includes: metal box,
O-Rings for ORS -4 through -24,
O-Ring boss -04 through -32,
Split flange -08 through -32,
24 packages with twelve
90 durometer nitrile
O-Ring per package.
Replacement O-Ring can be
ordered individually by
part number listed.

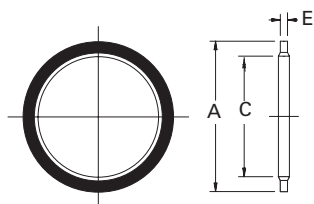


FF16087-01

Connection	Size	Individual O-Ring part no.
ORS	-04	FF9446-11
ORS	-06	FF9446-12
ORS	-08	FF9446-14
ORS	-10	FF9446-16
ORS	-12	FF9446-18
ORS	-16	FF9446-21
ORS	-20	FF9446-25
ORS	-24	FF9446-29
O-Ring Boss	-04	22617-4
O-Ring Boss	-05	22617-5
O-Ring Boss	-06	22617-6
O-Ring Boss	-08	22617-8
O-Ring Boss	-10	22617-10
O-Ring Boss	-12	22617-12
O-Ring Boss	-16	22617-16
O-Ring Boss	-20	22617-20
O-Ring Boss	-24	22617-24
O-Ring Boss	-32	22617-32
Split Flange	-08	FF9446-210
Split Flange	-12	FF9446-214
Split Flange	-16	FF9446-219
Split Flange	-20	FF9446-222
Split Flange	-24	FF9446-225
Split Flange	-32	FF9446-228

BSPP bonded seal for DIN 3852-2 ports

FF9895



Bonded seal part number	BSPP thread size	A Ref	C Ref	E Ref
		inch	inch	inch
FF9895-02	1/8-28	0.625	0.403	0.080
FF9895-04	1/4-19	0.810	0.536	0.080
FF9895-06	3/8-19	0.937	0.675	0.080
FF9895-08	1/2-14	1.125	0.843	0.097
FF9895-10	5/8-14	1.250	0.920	0.097
FF9895-12	3/4-14	1.375	1.060	0.097
FF9895-16	1-11	1.685	1.329	0.133
FF9895-20	1 1/4-11	2.062	1.685	0.133
FF9895-24	1 1/2-11	2.307	1.902	0.133
FF9895-32	2-11	2.875	2.380	0.133

Material: Steel with bonded Nitrile (Buna-N) seal.

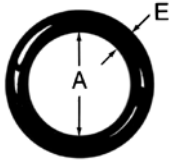
Crimp fittings

O-Rings and kits

H

Designating separate SAE O-Ring boss

To order Eaton O-Ring separately without fittings specify the size and material by using the O-Ring base number and dash size. The charts offer a simple method to assure the correct O-Ring for your application.

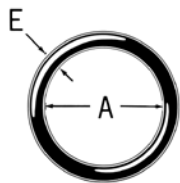


O-Ring base no.	Material	Operating temperature range
22617 (Standard)	Buna-N Nitrile rubber 90 Durometer	-30°F to +250°F (-34°C to +121°C)
22033	EPDM Ethylene propylene diene monomer	-65°F to +212°F (-55°C to +100°C)
22068	Viton Fluoroelastomer 90 Durometer	-15°F to +400°F (-25°C to +205°C)
22012	Buna-N, Low temperature nitrile rubber 90 Durometer	-65°F to +225°F (-55°C to +107°C)

O-Ring dash size	Tube size	A		E	
		mm	in	mm	in
-4	-04 (1/4)	8,9	0.351	1,8	0.072
-6	-06 (3/8)	11,9	0.468	2,0	0.078
-8	-08 (1/2)	16,3	0.644	2,3	0.087
-10	-10 (5/8)	19,3	0.755	2,5	0.097
-12	-12 (3/4)	23,4	0.924	3,0	0.116
-16	-16 (1)	29,7	1.171	3,0	0.116
-20	-20 (1 1/4)	37,6	1.475	3,0	0.118
-24	-24 (1 1/2)	43,7	1.720	3,0	0.118

Designating separate ORS O-Ring

To order Eaton O-Ring separately without fittings specify the size and material by using the O-Ring designator and O-Ring base number. The charts to the right offer a simple method to assure the correct O-Ring for your application.



O-Ring base no.	Material	Operating temperature range
FF9446 (Standard)	Buna-N Nitrile Rubber 90 Durometer	-40°F to +250°F (-40°C to +121°C)
FF9807	EPDM Ethylene propylene diene monomer	-65°F to +300°F (-55°C to +150°C)
22046	Viton Fluoroelastomer 90 Durometer	-15°F to +400°F (-25°C to +205°C)
FF9855	Buna-N, Low Temperature Nitrile Rubber 90 Durometer	-65°F to +225°F (-55°C to +107°C)
22546	Neoprene 90 Durometer	-65°F to +300°F (-55°C to +150°C)

O-Ring dash size	Tube size	A		E	
		mm	in	mm	in
-11	-04	7,6	0.301	1,8	0.07
-12	-06	9,2	0.364	1,8	0.07
-14	-08	12,4	0.489	1,8	0.07
-16	-10	15,6	0.614	1,8	0.07
-18	-12	18,8	0.739	1,8	0.07
-21	-16	23,5	0.926	1,8	0.07
-25	-20	29,9	1.176	1,8	0.07
-29	-24	37,8	1.489	1,8	0.07