



SHF[®]
STAINLESS HOSE FITTINGS
PRECISION MANUFACTURING



QUALITY FITTINGS, ADAPTERS & WELD-ENDS

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Stainless Steel Flaresaver Seals for MJIC 37°, Stainless Steel: Tape/Sealant/ Lubricant, Code 61/62 Split Flange Kits (Light & Heavy), Stainless Steel Needle Valves, Straight & Angle Patterns, Stainless Steel Toe Nipples.....39

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SHF PART NUMBER DEFINITIONS

SHF's numerical size code follows the industry standard "Dash Number" System which gives the Hose I.D. in sixteenths of an inch.

PART NUMBER IDENTIFICATION

SHFHY - 04 - 04 FJ



DASH SIZE	ACTUAL I.D. (inches)
-02	1/8
-03	3/16
-04	1/4
-05	5/16
-06	3/8
-08	1/2
-10	5/8
-12	3/4
-16	1
-20	1 1/4
-24	1 1/2
-32	2
-40	2 1/2
-48	3

THREAD STYLE SUFFIX

BOPF = Metal Hose Ferrule	MJ = Male JIC 37°
BSP = Female British Standard Pipe 60° Cone	MP = Male Pipe
FH = Flange Heavy Code 62	MPX = Male Pipe (Extra Long Hex)
FJ = Female JIC 37°	MS = Male Pipe Swivel
FL = Flange Light Code 61	MTS = Metric Tube Stub
FN = Female Pipe (NPSM) 30° Cone	OFT = Female O-Ring Face Seal (Tube Style)
FP = Female Pipe Rigid	RA = Male O-Ring Boss
JIS = Female JIS 30°	S = Heavy - Din 24° (Metric)
L = Light - Din 24° (Metric)	T = Tube Style
LOK = Instrumentation Male Compression	TS = Tube Stub

SHF FITTING SERIES

One Piece Stainless Steel Crimp-On
Coupling Series selection for Approved Hoses

- SHFBW SERIES -

Sizes - 8 thru - 32

No Skive: 100R1AT, 100R2AT, 100R4, 100R9, 100R11, 100R12, 100R16, 100R17, DIN4SP,
DIN4SH (Skive - 100R13 thru 1" Only, 100R15 3/4" Only)

- SHFHY SERIES -

Sizes - 4 thru - 16

No Skive: 100R1AT, 100R2AT, 100R3, 100R4, 100R5, 100R6, 100R7, 100R8, 100R16, 100R17

- SHFJJ SERIES -

Sizes - 8 thru - 32

Must Skive: 100R2, 100R11, 100R12, 100R13, 100R15, DIN 4SH & 4SP

- SHF43 SERIES -

Sizes - 4 thru - 32

No Skive: 100R1AT, 100R2AT, 100R16, 100R17, DIN 1SN, DIN 2SN

- SHF71 SERIES -

Sizes - 8 thru - 32

No Skive: 100R12

- SHF78 SERIES -

Sizes - 16 thru - 32

100R13

- SHF91 SERIES -

Sizes - 4 thru - 16

SAE 100R14 Smooth Bore Teflon - Stainless Steel Braid

- SHF Reusable Fittings -

- SHFBM SERIES -

Sizes - 4 thru - 32

100R2AT Reusable Fittings (Non Skive)

- SHFBN SERIES -

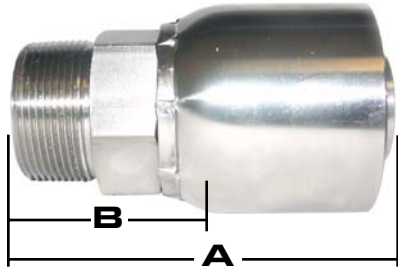
Sizes - 4 thru - 32

100R5 Reusable Fittings (Non Skive)

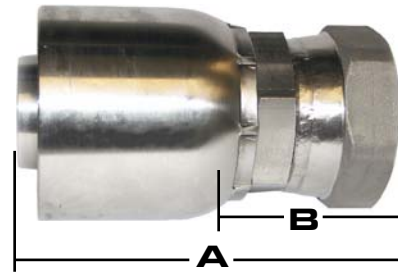
SHF BW SERIES

No Skive: 100R1AT, 100R2AT, 100R4, 100R9, 100R11, 100R12, 100R16, 100R17, DIN4SP, DIN4SH
(Skive - 100R13 thru 1" Only, 100R15 3/4" Only)

Dimensions subject to change without prior notice.



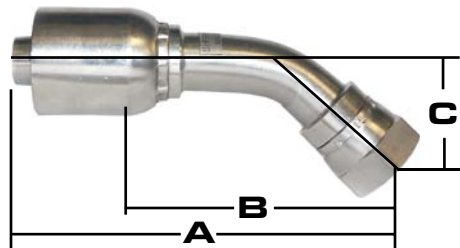
316 MALE PIPE



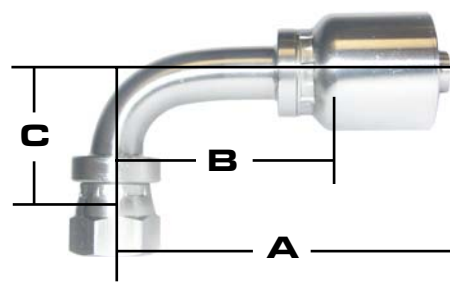
316 FEMALE JIC

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFBW06-06MP	3/8	3/8 - 18	2.402	1.779
SHFBW08-08MP	1/2	1/2 - 14	2.659	1.452
SHFBW12-12MP	3/4	3/4 - 14	3.296	2.037
SHFBW16-16MP	1	1 - 11 1/2	3.709	1.897
SHFBW20-20MP	1 1/4	1 1/4 - 11 1/2	4.252	2.016
SHFBW24-24MP	1 1/2	1 1/2 - 11 1/2	4.780	2.665
SHFBW32-32MP	2	2 - 11 1/2	5.590	2.845

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFBW06-06FJ	3/8	9/16-18	2.504	1.384
SHFBW08-08FJ	1/2	3/4-16	2.617	1.437
SHFBW10-10FJ	5/8	7/8-14	3.583	1.705
SHFBW12-12FJ	3/4	1 1/16 - 12	3.447	1.779
SHFBW16-12FJ	1	1 1/16 - 12	3.71	1.59
SHFBW16-16FJ	1	1 5/16 - 12	3.779	2.037
SHFBW16-20FJ	1	1 5/8 - 12	3.993	2.168
SHFBW20-20FJ	1 1/4	1 5/8 - 12	4.517	2.373
SHFBW24-24FJ	1 1/2	1 7/8 - 12	4.818	2.632
SHFBW32-32FJ	2	2 1/2 - 12	5.969	3.292



316 FEMALE JIC 45°



316 FEMALE JIC 90°

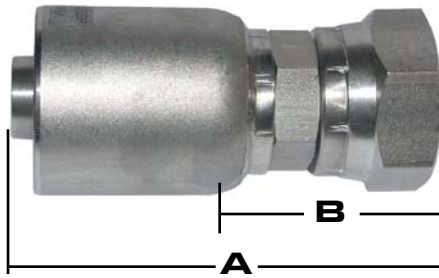
PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFBW08-08FJ45	1/2	3/4-16	3.31	1.96	.550
SHFBW10-10FJ45	5/8	7/8-14	3.48	2.14	.630
SHFBW12-12FJ45	3/4	1 1/16 - 12	4.761	2.968	1.525
SHFBW16-16FJ45	1	1 5/16 - 12	6.063	4.004	2.322
SHFBW20-20FJ45	1 1/4	1 5/8 - 12	6.951	4.655	2.360
SHFBW24-24FJ45	1 1/2	1 7/8 - 12	7.49	4.89	1.84
SHFBW32-32FJ45	2	2 1/2 - 12	9.16	5.91	2.71

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFBW08-08FJ90	1/2	3/4-16	3.536	2.333	1.550
SHFBW10-10FJ90	5/8	7/8-14	4.019	2.068	1.961
SHFBW12-12FJ90	3/4	1 1/16 - 12	4.140	2.426	1.984
SHFBW16-16FJ90	1	1 5/16 - 12	5.20	3.05	2.80
SHFBW20-20FJ90	1 1/4	1 5/8 - 12	5.833	3.691	3.028
SHFBW24-24FJ90	1 1/2	1 7/8 - 12	7.039	4.592	3.496
SHFBW32-32FJ90	2	2 1/2 - 12	7.971	5.110	4.418

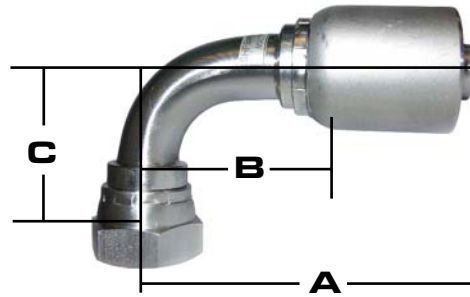
SHF BW SERIES

No Skive: 100R1AT, 100R2AT, 100R4, 100R9, 100R11, 100R12, 100R16, 100R17, DIN4SP, DIN4SH
 (Skive - 100R13 thru 1" Only, 100R15 3/4" Only)

Dimensions subject to change without prior notice.



**316 SWIVEL FEMALE BSP
60° CONE**

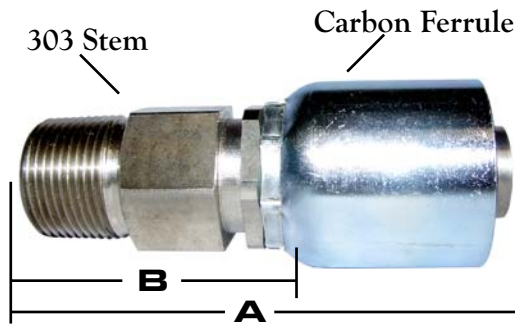


**316 SWIVEL FEMALE BSP
60° CONE 90°**

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFBW12-12BSP	3/4	3/4 - 14	3.449	1.698
SHFBW16-16BSP	1	1 - 11	3.801	1.843
SHFBW20-20BSP	1 1/4	1 1/4 - 11	4.534	2.286
SHFBW24-24BSP	1 1/2	1 1/2 - 11	4.774	2.564
SHFBW32-32BSP	2	2 - 11	5.881	3.043

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFBW12-12BSP90	3/4	3/4 - 14	4.191	2.509	2.153
SHFBW16-16BSP90	1	1 - 11	4.997	2.977	2.582
SHFBW20-20BSP90	1 1/4	1 1/4 - 11	5.833	3.691	3.028
SHFBW24-24BSP90	1 1/2	1 1/2 - 11	6.383	4.090	3.861
SHFBW32-32BSP90	2	2 - 11	7.998	5.143	4.210

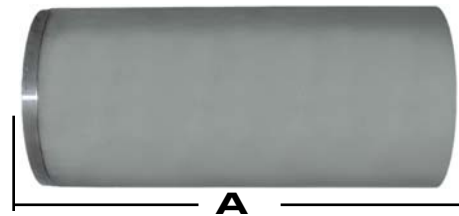
LET SHF FABRICATE YOUR CUSTOM FITTINGS



**303 MPX
(EXTRA LONG HEX)**

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFBW16-16MPX	1	1-11 1/2	4.890	3.038

For 2" Size see JJ Series on Pg. 15



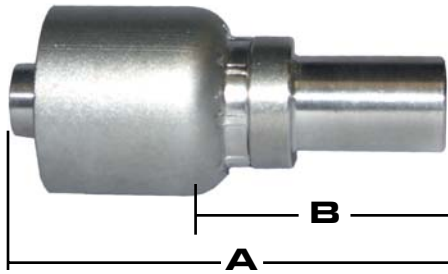
**304 BOP METAL HOSE
OVER FERRULE**

PART NO.
SHF-BOPF

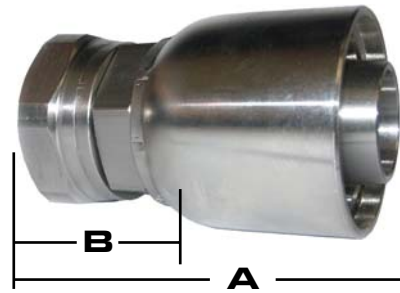
SHF BW SERIES

No Skive: 100R1AT, 100R2AT, 100R4, 100R9, 100R11, 100R12, 100R16, 100R17, DIN4SP, DIN4SH
 (Skive - 100R13 thru 1" Only, 100R15 3/4" Only)

Dimensions subject to change without prior notice.



**316 METRIC
TUBE STUB**

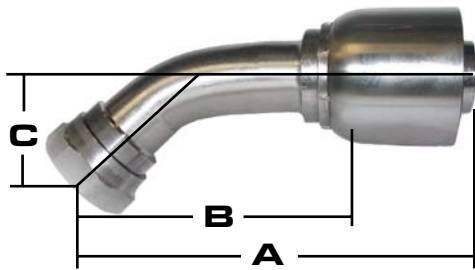


**316 DIN 24° LIGHT
STRAIGHT**

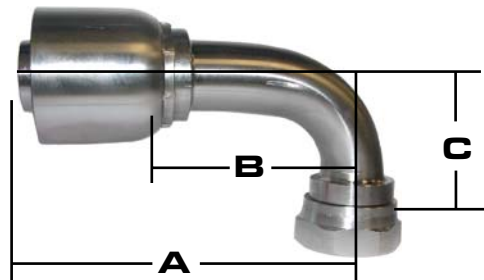
PART NO.	HOSE I.D.	TUBE	A OAL	B CUT-OFF
SHFBW08-16MTS	1/2	16		
SHFBW10-20MTS	5/8	20	3.585	1.715
SHFBW12-25MTS	3/4	25	3.612	1.956
SHFBW16-30MTS	1	30		

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFBW20-35L	1 1/4	M 45 x 2.0		
SHFBW24-42L	1 1/2	M 52 x 2.0	4.646	2.517

STAINLESS STEEL METRIC COMPRESSION BITE RINGS & NUTS SEE PG 34



316 DIN 24° LIGHT 45°



316 DIN 24° LIGHT 90°

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFBW20-35L45	1 1/4	M 45 x 2.0			
SHFBW24-42L45	1 1/2	M 52 x 2.0			

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFBW20-35L90	1 1/4	M 45 x 2.0			
SHFBW24-42L90	1 1/2	M 52 x 2.0	7.274	4.975	3.213

BW METRIC HEAVY PG 4

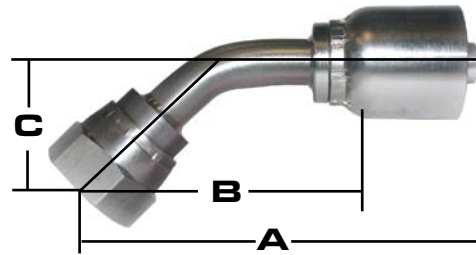
SHF BW SERIES

No Skive: 100R1AT, 100R2AT, 100R4, 100R9, 100R11, 100R12, 100R16, 100R17, DIN4SP, DIN4SH
 (Skive - 100R13 thru 1" Only, 100R15 3/4" Only)

Dimensions subject to change without prior notice.



316 DIN 24° HEAVY STRAIGHT

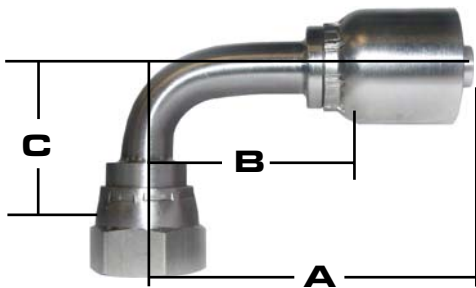


316 DIN 24° HEAVY 45°

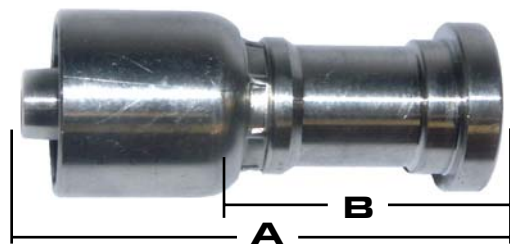
PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFBW08-16S	1/2	M 24 x 1.5		
SHFBW10-20S	5/8	M 30 x 2.0		
SHFBW12-25S	3/4	M 36 x 2.0		
SHFBW16-30S	1	M 42 x 2.0	3.821	1.948
SHFBW20-38S	1 1/4	M 52 x 2.0	4.397	2.053

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFBW08-16S45	1/2	M 24 x 1.5			
SHFBW10-20S45	5/8	M 30 x 2.0			
SHFBW12-25S45	3/4	M 36 x 2.0			
SHFBW16-30S45	1	M 42 x 2.0			
SHFBW20-38S45	1 1/4	M 52 x 2.0			

SPLIT FLANGE KITS AVAILABLE SEE PG 39



316 DIN 24° HEAVY 90°



316 CODE 61 FLANGE

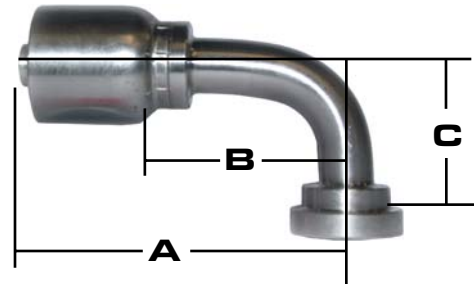
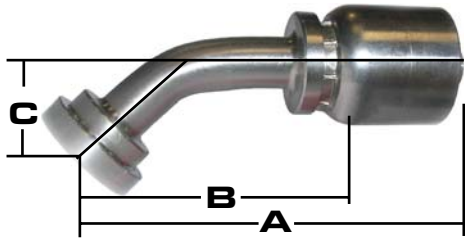
PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFBW08-16S90	1/2	M 24 x 1.5	3.598	2.374	1.848
SHFBW10-20S90	5/8	M 30 x 2.0			
SHFBW12-25S90	3/4	M 36 x 2.0	4.351	2.664	2.222
SHFBW16-30S90	1	M 42 x 2.0	4.902	3.042	2.605
SHFBW20-38S90	1 1/4	M 52 x 2.0	6.464	4.216	3.022

PART NO.	HOSE I.D.	FLANGE OD	A OAL	B CUT-OFF
SHFBW08-08FL	1/2	1.19	3.273	2.078
SHFBW12-12FL	3/4	1.50	4.203	2.553
SHFBW12-16FL	3/4	1.75		
SHFBW16-16FL	1	1.75	4.446	2.585
SHFBW16-20FL	1	2.00		
SHFBW20-20FL	1 1/4	2.00	5.269	3.104
SHFBW20-24FL	1 1/4	2.38		
SHFBW24-24FL	1 1/2	2.38	5.529	3.297
SHFBW24-32FL	1 1/2	2.81		
SHFBW32-32FL	2	2.81	7.273	4.413

SHF BW SERIES

No Skive: 100R1AT, 100R2AT, 100R4, 100R9, 100R11, 100R12, 100R16, 100R17, DIN4SP, DIN4SH
 (Skive - 100R13 thru 1" Only, 100R15 3/4" Only)

Dimensions subject to change without prior notice.



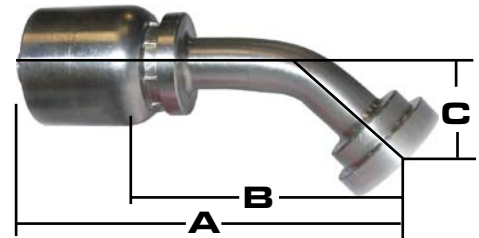
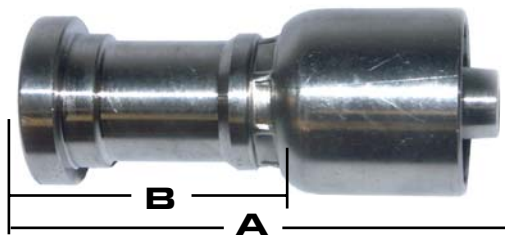
316 CODE 61 FLANGE 45°

PART NO.	HOSE I.D.	FLANGE OD	A OAL	B CUT-OFF	C DROP
SHFBW08-08FL45	1/2	1.19	3.950	2.333	1.550
SHFBW12-12FL45	3/4	1.50	4.854	2.068	1.961
SHFBW16-16FL45	1	1.75	5.489	2.426	1.984
SHFBW20-20FL45	1 1/4	2.00	6.531	4.238	2.443
SHFBW24-24FL45	1 1/2	2.38	7.207	4.926	2.476
SHFBW32-32FL45	2	2.81	9.417	6.315	3.163

316 CODE 61 FLANGE 90°

PART NO.	HOSE I.D.	FLANGE OD	A OAL	B CUT-OFF	C DROP
SHFBW08-08FL90	1/2	1.19	3.478	2.277	1.763
SHFBW12-12FL90	3/4	1.5	4.129	2.380	1.999
SHFBW12-16FL90	1	1.75	4.320	2.652	2.163
SHFBW16-16FL90	1	1.75	4.952	3.164	2.426
SHFBW16-20FL90	1 1/4	2.00	5.152	3.284	2.409
SHFBW20-20FL90	1 1/4	2.00	6.012	3.868	3.065
SHFBW20-24FL90	1 1/2	2.38	5.913	3.888	2.891
SHFBW24-24FL90	1 1/2	2.38	6.429	4.128	3.551
SHFBW24-32FL90	2	2.81			
SHFBW32-32FL90	2	2.81	7.906	5.202	4.439

SPLIT FLANGE KITS AVAILABLE SEE PG 39



316 CODE 62 FLANGE

PART NO.	HOSE I.D.	FLANGE OD	A OAL	B CUT-OFF
SHFBW08-08FH	1/2	1.25		
SHFBW12-12FH	3/4	1.63	4.360	2.646
SHFBW16-16FH	1	1.88	4.735	2.905

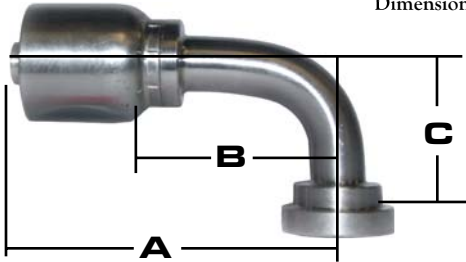
316 CODE 62 FLANGE 45°

PART NO.	HOSE I.D.	FLANGE OD	A OAL	B CUT-OFF	C DROP
SHFBW08-08FH45	1/2	1.25			
SHFBW12-12FH45	3/4	1.63			
SHFBW16-16FH45	1	1.88	5.381	3.495	1.204

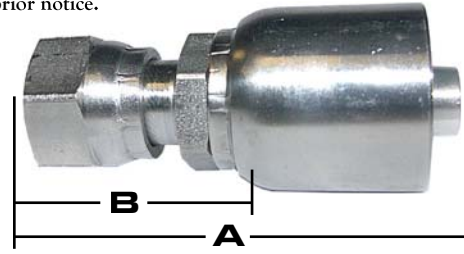
SHF BW SERIES

No Skive: 100R1AT, 100R2AT, 100R4, 100R9, 100R11, 100R12, 100R16, 100R17, DIN4SP, DIN4SH
 (Skive - 100R13 thru 1" Only, 100R15 3/4" Only)

Dimensions subject to change without prior notice.



316 CODE 62 FLANGE 90°

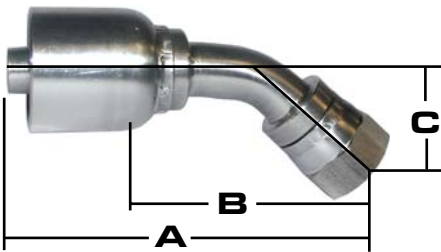


316 OFT (O-RING FACE SEAL)

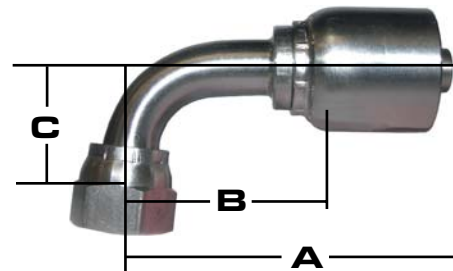
PART NO.	HOSE I.D.	FLANGE OD	A OAL	B CUT-OFF	C DROP
SHFBW08-08FH90	1/2	1.25			
SHFBW12-12FH90	3/4	1.63			
SHFBW16-16FH90	1	1.88	4.836	3.098	1.492

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFBW08-08OFT	1/2	13/16 - 16	2.696	1.523
SHFBW08-10OFT	1/2	1 - 14	2.861	1.636
SHFBW10-10OFT	5/8	1 - 14	3.606	1.703
SHFBW12-12OFT	3/4	1 13/16 - 12	3.641	1.926
SHFBW12-16OFT	3/4	1 7/16 - 12	3.718	1.969
SHFBW16-12OFT	1	1 13/16 - 12		
SHFBW16-16OFT	1	1 7/16 - 12	3.723	1.969
SHFBW16-20OFT	1	1 11/16 - 12	2.744	1.961
SHFBW20-20OFT	1 1/4	1 11/16 - 12	4.295	2.049
SHFBW24-24OFT	1 1/2	2 - 12	4.758	2.631

**SPLIT FLANGE KITS
 AVAILABLE
 SEE PG 39**



316 OFT 45°



316 OFT 90°

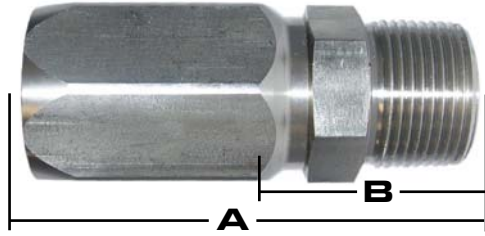
PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFBW08-08OFT45	1/2	13/16 - 16	3.504	2.234	1.119
SHFBW08-10OFT45	1/2	1 - 14	3.548	2.257	1.101
SHFBW10-10OFT45	5/8	1 - 14	5.548	3.571	1.562
SHFBW12-12OFT45	3/4	1 13/16 - 12			
SHFBW12-16OFT45	3/4	1 7/16 - 12			
SHFBW16-12OFT45	1	1 13/16 - 12			
SHFBW16-16OFT45	1	1 7/16 - 12	5.203	3.373	1.543
SHFBW20-20OFT45	1 1/4	1 11/16 - 12			

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFBW08-08OFT90	1/2	13/16 - 16			
SHFBW08-10OFT90	1/2	1 - 14			
SHFBW10-10OFT90	5/8	1 - 14	4.652	2.770	1.855
SHFBW12-12OFT90	3/4	1 13/16 - 12	4.536	2.866	1.882
SHFBW12-16OFT90	3/4	1 7/16 - 12			
SHFBW16-12OFT90	1	1 13/16 - 12			
SHFBW16-16OFT90	1	1 7/16 - 12	4.620	2.786	1.256
SHFBW20-20OFT90	1 1/4	1 11/16 - 12	6.588	4.454	2.652

SHF BM SERIES

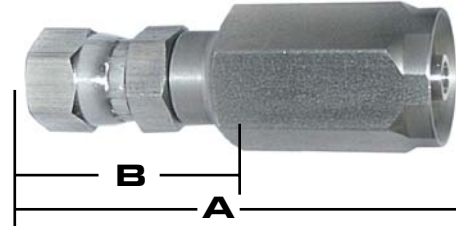
100R2AT Reusable Fittings (Non Skive)

Dimensions subject to change without prior notice.



303 & 316 MALE PIPE

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFBM04-04MP	1/4	1/4 - 18		
SHFBM06-06MP	3/8	3/8 - 18		
SHFBM08-08MP	1/2	1/2 - 14		
SHFBM12-12MP	3/4	3/4 - 14		
SHFBM16-16MP	1	1 - 11 1/2	3.764	1.761
SHFBM20-20MP	1 1/4	1 1/4 - 11 1/2		
SHFBM24-24MP	1 1/2	1 1/2 - 11 1/2		
SHFBM32-32MP	2	2 - 11 1/2		



303 & 316 FEMALE JIC SWIVEL

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFBM04-04FJ	1/4	7/16 - 20	2.443	1.210
SHFBM06-06FJ	3/8	9/16 - 18	2.739	1.444
SHFBM08-08FJ	1/2	3/4 - 16	3.129	1.550
SHFBM12-12FJ	3/4	1 1/16 - 12	3.449	1.677
SHFBM16-16FJ	1	1 5/16 - 12	3.779	1.757
SHFBM20-20FJ	1 1/4	1 5/8 - 12		
SHFBM24-24FJ	1 1/2	1 7/8 - 12		
SHFBM32-32FJ	2	2 1/2 - 12		

SHF recommends the assembly of reusable couplings by hand and not by the use of machinery.
Stainless Steel anti-galling lubricant is recommended when assembling.

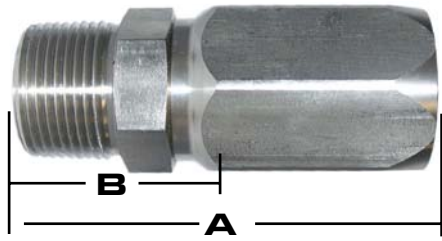
SEE PG 39 FOR ANTI-GALLING LUBRICANT & OTHER MISCELLANEOUS PRODUCTS.

SHF BN SERIES

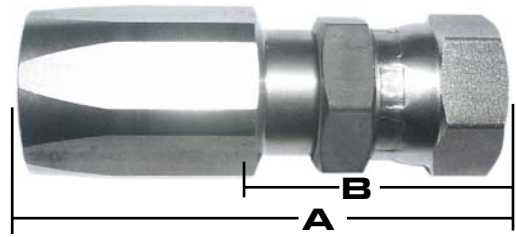
100R5 Reusable Fittings (Non Skive)

SHF recommends the assembly of reusable couplings by hand and not by the use of machinery.
Stainless Steel anti-galling lubricant is recommended when assembling.

Dimensions subject to change without prior notice.



316 MALE PIPE NPTF

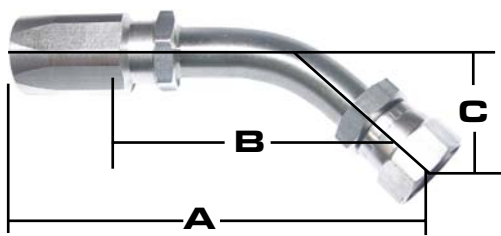


316 FEMALE JIC

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFBN04-04MP	3/16	1/4-18		
SHFBN06-06MP	5/16	3/8-18		
SHFBN08-08MP	13/32	1/2-14		
SHFBN12-12MP	5/8	3/4-14		
SHFBN16-16MP	7/8	1-11 1/2	3.763	1.766
SHFBN20-20MP	1 1/8	1 1/4-11 1/2		
SHFBN24-24MP	1 3/8	1 1/2-11 1/2		
SHFBN32-32MP	1 13/16	2-11 1/2		
SHFBN40-40MP	2 3/8	2 1/2-8	5.00	3.13

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFBN04-04FJ	3/16	7/16-20	1.949	1.006
SHFBN06-06FJ	5/16	9/16-18	2.293	1.208
SHFBN08-08FJ	13/32	3/4-16	2.719	1.428
SHFBN10-10FJ	1/2	7/8-14	3.086	1.663
SHFBN12-12FJ	7/8	1 1/16-12	3.462	1.729
SHFBN16-16FJ	7/8	1 5/16-12	3.163	1.742
SHFBN20-20FJ	1 1/8	15/8-12	3.522	2.016
SHFBN24-24FJ	1 3/8	1 7/8-12	3.527	1.742
SHFBN32-32FJ	1 13/16	2 1/2-12		

SEE PG 39 FOR ANTI-GALLING LUBRICANT & OTHER MISCELLANEOUS PRODUCTS.



316 FEMALE JIC 45°



316 FEMALE JIC 90°

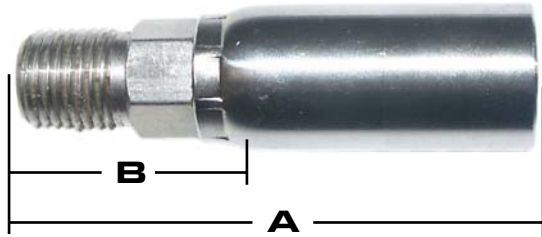
PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFBN04-04FJ45	3/16	7/16-20			
SHFBN06-06FJ45	5/16	9/16-18			
SHFBN08-08FJ45	13/32	3/4-16			
SHFBN10-10FJ45	1/2	7/8-14			
SHFBN12-12FJ45	5/8	1 1/16-12			
SHFBN16-16FJ45	7/8	1 5/16-12			
SHFBN20-20FJ45	1 1/8	1 5/8-12			
SHFBN24-24FJ45	1 3/8	1 7/8-12			
SHFBN32-32FJ45	1 13/16	2 1/2-12			

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFBN04-04FJ90	3/16	7/16-20	2.602	1.661	1.176
SHFBN06-06FJ90	5/16	9/16-18	3.153	2.047	1.516
SHFBN08-08FJ90	13/32	3/4-16	3.541	2.223	1.638
SHFBN10-10FJ90	1/2	7/8-14			
SHFBN12-12FJ90	5/8	1 1/16-12	4.363	2.607	2.247
SHFBN16-16FJ90	7/8	1 5/16-12	4.911	3.013	2.545
SHFBN20-20FJ90	1 1/8	1 5/8-12	5.027	3.516	2.952
SHFBN24-24FJ90	1 3/8	1 7/8-12			
SHFBN32-32FJ90	1 13/16	2 1/2-12			

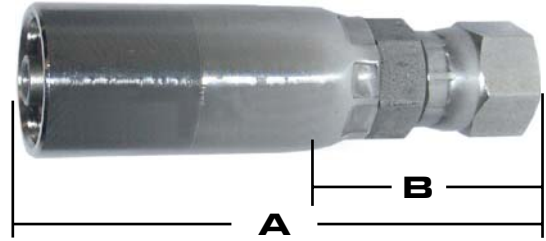
SHFHY SERIES

No Skive: 100R1AT, 100R2AT, 100R3, 100R4, 100R5, 100R6, 100R7, 100R8, 100R16, 100R17 [316 MTO: Made to Order]

Dimensions subject to change without prior notice.



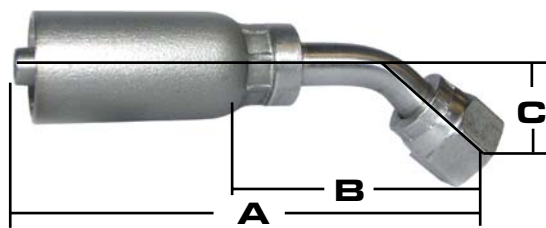
303 MALE PIPE



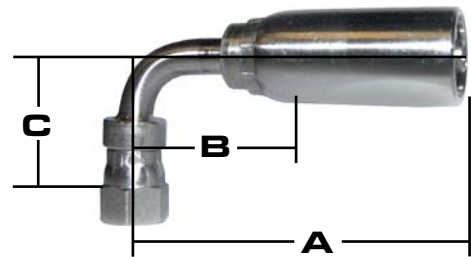
303 FEMALE JIC

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFHY04-02MP	1/4	1/8-27	2.358	.092
SHFHY04-04MP	1/4	1/4-18	2.620	1.224
SHFHY04-06MP	1/4	3/8-18		
SHFHY06-04MP	3/8	1/4-18	2.693	1.293
SHFHY06-06MP	3/8	3/8-18	2.740	1.383
SHFHY06-08MP	3/8	1/2 - 14	2.763	1.468
SHFHY08-08MP	1/2	1/2 - 14	2.898	1.435
SHFHY10-08MP	5/8	1/2 - 14	3.056	1.577
SHFHY12-08MP	3/4	1/2 - 14	3.164	1.665
SHFHY12-12MP	3/4	3/4 - 14	3.148	1.659
SHFHY16-16MP	1	1 - 11 1/2	3.430	1.905

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFHY04-04FJ	1/4	7/16-20	2.603	1.218
SHFHY04-06FJ	1/4	9/16-18	2.676	1.188
SHFHY06-04FJ	3/8	7/16-20		
SHFHY06-06FJ	3/8	9/16-18	2.696	1.411
SHFHY06-08FJ	3/8	3/4-16	2.792	1.411
SHFHY08-08FJ	1/2	3/4-16	2.889	1.411
SHFHY08-10FJ	1/2	7/8-14	3.124	1.686
SHFHY10-10FJ	5/8	7/8-14	3.083	1.686
SHFHY12-12FJ	3/4	1 1/16 - 12	3.297	1.813
SHFHY12-16FJ	3/4	1 5/16 - 12	3.410	1.889
SHFHY16-16FJ	1	1 5/16 - 12	3.467	1.942



303 FEMALE JIC 45°



303 FEMALE JIC 90°

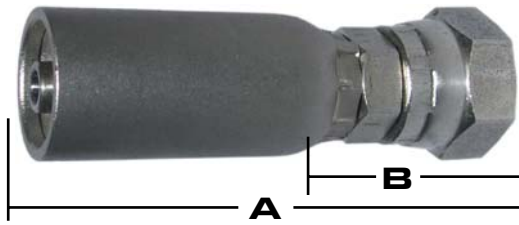
PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFHY04-04FJ45	1/4	7/16-20	3.141	1.794	.774
SHFHY06-06FJ45	3/8	9/16-18	3.524	2.118	1.158
SHFHY06-08FJ45	3/8	3/4-16			
SHFHY08-08FJ45	1/2	3/4-16			
SHFHY08-10FJ45	1/2	7/8-14			
SHFHY10-10FJ45	5/8	7/8 - 14			
SHFHY12-12FJ45	3/4	1 1/16 - 12			
SHFHY16-16FJ45	1	1 5/16 - 12	4.906	3.291	1.629

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFHY04-04FJ90	1/4	7/16-20	2.799	1.328	1.192
SHFHY06-06FJ90	3/8	9/16-18	3.253	1.808	1.449
SHFHY06-08FJ90	3/8	3/4-16	3.265	1.880	1.653
SHFHY08-08FJ90	1/2	3/4-16	3.575	2.059	1.653
SHFHY08-10FJ90	1/2	7/8-14	3.558	2.100	1.709
SHFHY10-10FJ90	5/8	7/8 - 14			
SHFHY12-12FJ90	3/4	1 1/16 - 12	4.302	2.804	2.103
SHFHY16-16FJ90	1	1 5/16 - 12			

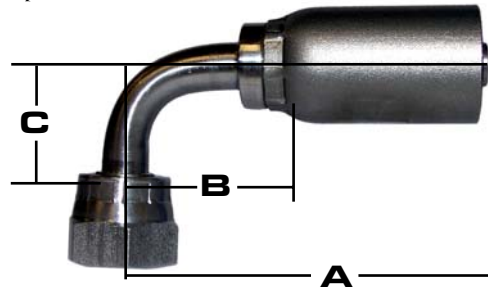
SHFHY SERIES

No Skive: 100R1AT, 100R2AT, 100R3, 100R4, 100R5, 100R6, 100R7, 100R8, 100R16, 100R17 [316 MTO: Made to Order]

Dimensions subject to change without prior notice.



**303 SWIVEL FEMALE BSP
60° CONE**

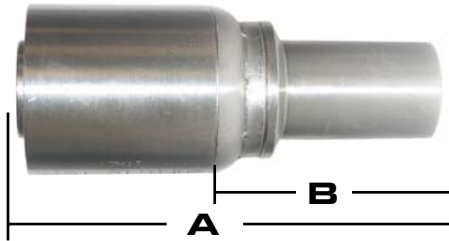


**303 SWIVEL FEMALE BSP
60° CONE 90°**

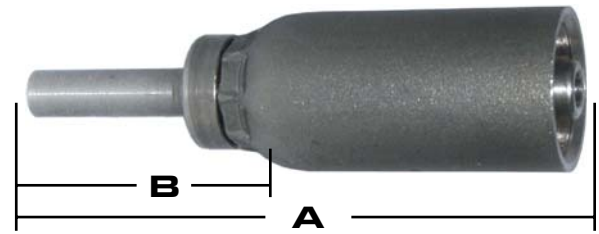
PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFHY04-04BSP	1/4	1/4-19	2.542	1.242
SHFHY06-06BSP	3/8	3/8-19	2.70	1.34
SHFHY08-08BSP	1/2	1/2-14	2.966	1.480
SHFHY12-12BSP	3/4	3/4-14		
SHFHY16-16BSP	1	1-11		

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFHY04-04BSP90	1/4	1/4-19	2.787	1.417	1.064
SHFHY06-06BSP90	3/8	3/8-19	2.955	1.562	1.334
SHFHY08-08BSP90	1/2	1/2-14	3.163	1.725	1.483
SHFHY12-12BSP90	3/4	3/4-14			
SHFHY16-16BSP90	1	1-11			

STAINLESS STEEL METRIC COMPRESSION BITE RINGS & NUTS SEE PG 34



303 INCH TUBE STUB



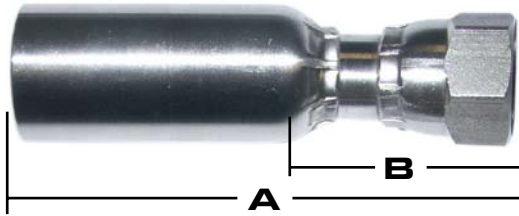
303 METRIC TUBE STUB

PART NO.	HOSE I.D.	TUBE O.D.	A OAL	B CUT-OFF
SHFHY04-04TS	1/4	0.250	2.729	1.434
SHFHY06-06TS	3/8	0.375	2.894	1.605
SHFHY08-08TS	1/2	0.500	3.022	1.623
SHFHY12-12TS	3/4	0.750	3.420	2.216
SHFHY16-16TS	1	1.000	4.158	2.309

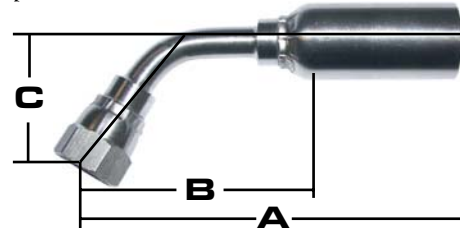
PART NO.	HOSE I.D.	TUBE O.D.	A OAL	B CUT-OFF
SHFHY04-06MTS	1/4	6 mm	2.734	1.408
SHFHY04-08MTS	1/4	8 mm	2.797	1.494
SHFHY06-10MTS	3/8	10 mm	2.958	1.605
SHFHY06-12MTS	3/8	12 mm	2.958	1.605
SHFHY06-14MTS	3/8	14 mm	2.937	1.546
SHFHY08-15MTS	1/2	15 mm	3.053	1.630
SHFHY10-18MTS	5/8	18 mm	3.042	1.632
SHFHY12-22MTS	3/4	22 mm	3.428	1.968
SHFHY16-28MTS	1	28 mm	3.688	2.061

SHFHY SERIES

No Skive: 100R1AT, 100R2AT, 100R3, 100R4, 100R5, 100R6, 100R7, 100R8, 100R16,
100R17 [316 MTO: Made to Order]
Dimensions subject to change without prior notice.



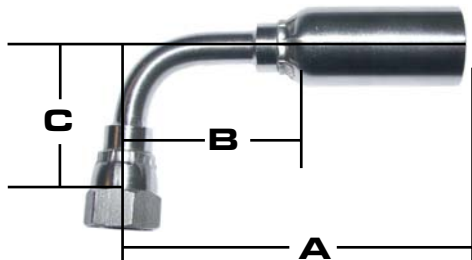
**303 DIN 24° LIGHT
STRAIGHT**



**303 DIN 24°
LIGHT 45°**

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFHY04-06L	1/4	M 12 x 1.5		
SHFHY04-08L	1/4	M 14 x 1.5		
SHFHY06-10L	3/8	M 16 x 1.5		
SHFHY06-12L	3/8	M 18 x 1.5		
SHFHY08-15L	1/2	M 22 x 1.5		
SHFHY10-18L	5/8	M 26 x 1.5		
SHFHY12-22L	3/4	M 30 x 2.0		
SHFHY16-28L	1	M 36 x 2.0		

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFHY04-06L45	1/4	M 12 x 1.5			
SHFHY04-08L45	1/4	M 14 x 1.5			
SHFHY06-10L45	3/8	M 16 x 1.5			
SHFHY06-12L45	3/8	M 18 x 1.5			
SHFHY08-15L45	1/2	M 22 x 1.5			
SHFHY10-18L45	5/8	M 26 x 1.5			
SHFHY12-22L45	3/4	M 30 x 2.0			
SHFHY16-28L45	1	M 36 x 2.0			



**303 DIN 24°
LIGHT 90°**



**303 DIN 24° HEAVY
STRAIGHT**

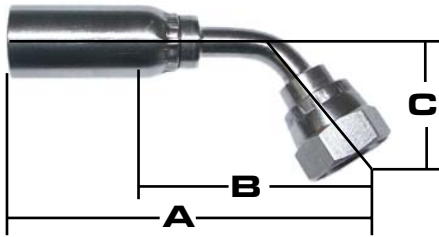
PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFHY04-06L90	1/4	M 12 x 1.5	3.064	1.678	1.364
SHFHY04-08L90	1/4	M 14 x 1.5	3.069	1.644	1.382
SHFHY06-10L90	3/8	M 16 x 1.5	3.439	1.985	1.673
SHFHY06-12L90	3/8	M 18 x 1.5	3.409	2.042	1.669
SHFHY08-15L90	1/2	M 22 x 1.5	3.749	2.211	1.732
SHFHY10-18L90	5/8	M 26 x 1.5			
SHFHY12-22L90	3/4	M 30 x 2.0			
SHFHY16-28L90	1	M 36 x 2.0			

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFHY04-08S	1/4	M 16 x 1.5		
SHFHY06-12S	3/8	M 20 x 1.5		
SHFHY06-14S	3/8	M 22 x 1.5		

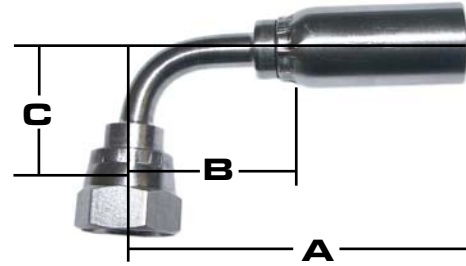
Larger Sizes Available in BW Series

SHF HY SERIES

No Skive: 100R1AT, 100R2AT, 100R3, 100R4, 100R5, 100R6, 100R7, 100R8, 100R16, 100R17 [316 MTO: Made to Order]
 Dimensions subject to change without prior notice.



303 DIN 24° HEAVY 45°

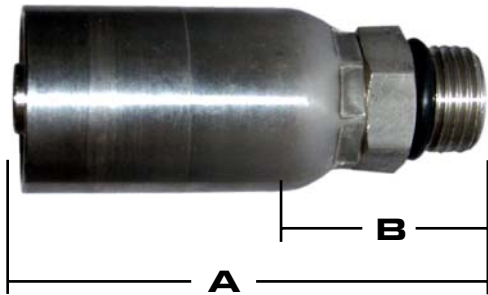


303 DIN 24° HEAVY 90°

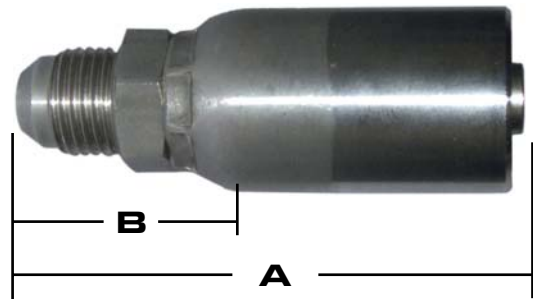
PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFHY04-08S45	1/4	M 16 x 1.5			
SHFHY06-12S45	3/8	M 20 x 1.5			
SHFHY06-14S45	3/8	M 22 x 1.5			

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHFHY04-08S90	1/4	M 16 x 1.5	3.032	1.591	1.413
SHFHY06-12S90	3/8	M 20 x 1.5	3.405	2.003	1.596
SHFHY06-14S90	3/8	M 22 x 1.5			

**37° FLARESAVER SEALS
 AVAILABLE
 SEE PG 39**



303 MALE O-RING BOSS



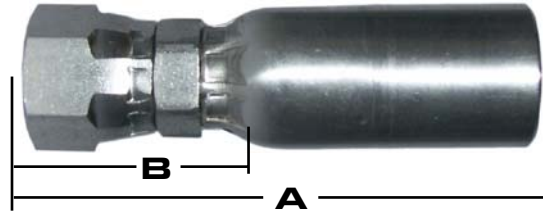
303 MJ-MALE 37°

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFHY04-04RA	1/4	7/16-20	2.33	.970
SHFHY06-06RA	3/8	9/16-18	2.380	1.052
SHFHY08-08RA	1/2	3/4-16	2.59	1.25
SHFHY10-10RA	5/8	7/8-14		
SHFHY12-12RA	3/4	1 1/16-12	2.92	1.34
SHFHY16-16RA	1	1 5/16-12	3.08	1.47

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFHY04-04MJ	1/4	7/16-20	2.52	1.19
SHFHY06-06MJ	3/8	9/16-18	2.642	1.257
SHFHY08-08MJ	1/2	3/4-16	2.842	1.423
SHFHY10-10MJ	5/8	7/8-14		
SHFHY12-12MJ	3/4	1 1/16-12	3.187	1.714
SHFHY16-16MJ	1	1 5/16-12	3.403	1.824

SHF HY SERIES

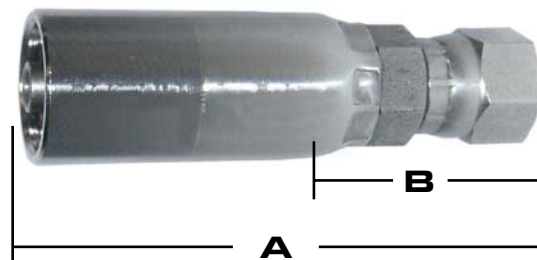
No Skive: 100R1AT, 100R2AT, 100R3, 100R4, 100R5, 100R6, 100R7, 100R8, 100R16,
100R17 [316 MTO: Made to Order]
Dimensions subject to change without prior notice.



303 FEMALE NPSM 30° CONE

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFBHY04-04FN	1/4	1/4-18	2.591	1.223
SHFHY06-06FN	3/8	3/8-18	2.737	1.327
SHFHY08-08FN	1/2	1/2-14	2.940	1.483
SHFHY12-12FN	3/4	3/4-14		
SHFHY16-16FN	1	1 - 11 1/2		

LET SHF FABRICATE YOUR CUSTOM FITTINGS



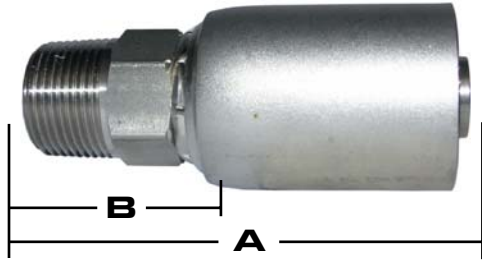
303 SWIVEL FEMALE 45° SAE FLARE

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFHY06-06FA	3/8	5/8-18		
SHFHY12-12FA	3/4	1 1/16 - 14		

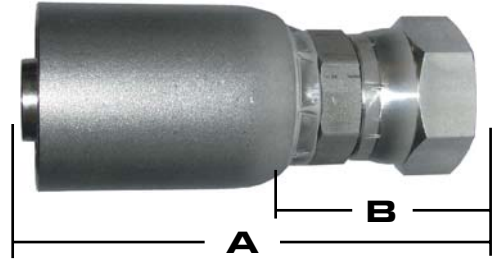
SHF JJ SERIES

Must Skive: 100R2, 100R11, 100R12, 100R13, 100R15, DIN 4SH & 4SP

Dimensions subject to change without prior notice.



316 MALE PIPE

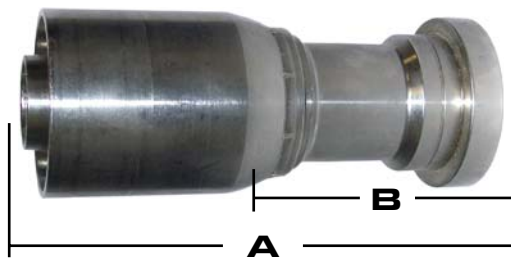


316 FEMALE JIC

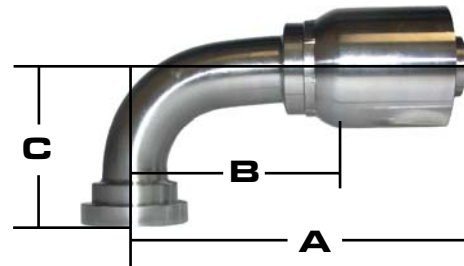
PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFJJ08-08MP	1/2	1/2-14	3.599	1.735
SHFJJ12-12MP	3/4	3/4 - 14	3.757	1.763
SHFJJ16-16MP	1	1-11 1/2	4.245	2.095
SHFJJ20-20MP	1 1/4	1 1/4 - 11 1/2	4.826	2.705
SHFJJ24-24MP	1 1/2	1 1/2 - 11 1/2	4.929	2.567
SHFJJ32-32MP	2	2 - 11 1/2	6.42	2.70

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFJJ08-08FJ	1/2	3/4-16	3.563	1.734
SHFJJ12-12FJ	3/4	1 1/16 - 12	3.816	1.830
SHFJJ16-16FJ	1	1 5/16 - 12	4.206	2.021
SHFJJ20-20FJ	1 1/4	1 5/8 - 12	4.929	2.778
SHFJJ24-24FJ	1 1/2	1 7/8 - 12	4.918	2.386
SHFJJ32-32FJ	2	2 1/2 - 12	6.265	2.880

**SPLIT FLANGE KITS AVAILABLE
SEE PG 39**



316 CODE 62 FLANGE



316 CODE 62 FLANGE 90°

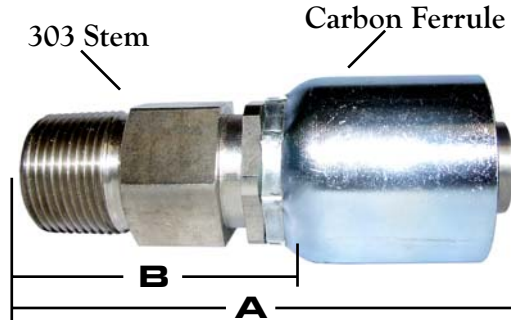
PART NO.	HOSE I.D.	FLANGE OD	A OAL	B CUT-OFF
SHFJJ12-12FH	3/4	1.63	4.339	2.519
SHFJJ16-16FH	1	1.88	4.338	2.520
SHFJJ20-20FH	1 1/4	2.13	5.921	3.421
SHFJJ24-24FH	1 1/2	2.50	5.789	3.531
SHFJJ32-32FH	2	3.13	7.292	3.899

PART NO.	HOSE I.D.	FLANGE OD	A OAL	B CUT-OFF	C DROP
SHFJJ12-12FH90	3/4	1.63	4.414	2.665	2.163
SHFJJ16-16FH90	1	1.88	5.19	2.97	2.63
SHFJJ20-20FH90	1 1/4	2.13	6.399	4.019	2.837
SHFJJ24-24FH90	1 1/2	2.50	6.714	4.311	2.127
SHFJJ32-32FH90	2	3.13	8.83	5.22	5.38

SHF JJ SERIES

Must Skive: 100R2, 100R11, 100R12, 100R13, 100R15, DIN 4SH & 4SP

Dimensions subject to change without prior notice.



303 MPX (EXTRA LONG HEX)

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFJJ32-32MPX	2	2-11 1/2		

All Stainless MTO
Made to Order

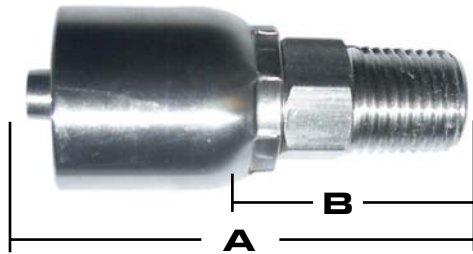
FOR 1" MPX SEE PG 2

NOTES:

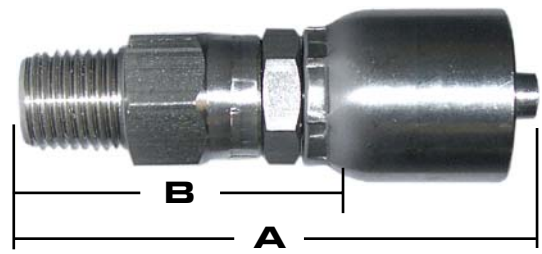
SHF 43 SERIES

No Skive: 100R1AT, 100R2AT, 100R16, 100R17, DIN 1SN, DIN 2SN

Dimensions subject to change without prior notice.



316 MALE PIPE

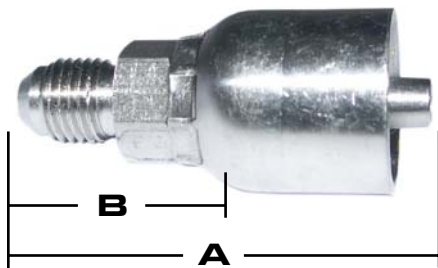


316 MALE PIPE SWIVEL

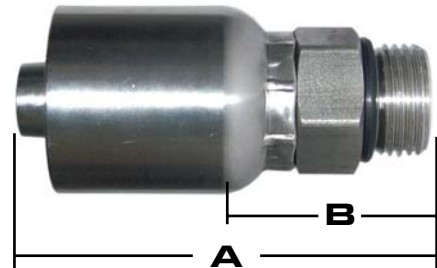
PART NO.	HOSE I.D.	THREAD	A OAL	B CUTOFF
SHF43-04-02MP	1/4	1/8-27		
SHF43-04-04MP	1/4	1/4-18	2.133	1.254
SHF43-04-06MP	1/4	3/8-18		
SHF43-06-04MP	3/8	1/4-18		
SHF43-06-06MP	3/8	3/8-18	2.487	1.332
SHF43-06-08MP	3/8	1/2-14		
SHF43-08-06MP	1/2	3/8-18		
SHF43-08-08MP	1/2	1/2-14	2.807	1.473
SHF43-12-12MP	3/4	3/4-14	3.209	1.715
SHF43-16-16MP	1	1-11 1/2	3.742	1.953
SHF43-20-20MP	1 1/4	1 1/4-11 1/2	4.168	2.310
SHF43-24-24MP	1 1/2	1 1/2-11 1/2	4.141	2.773
SH43-32-32MP	2	2-11 1/2	4.507	2.690

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHF43-04-04MS	1/4	1/4-18	2.659	1.757
SHF43-06-06MS	3/8	3/8-18	3.078	1.872
SHF43-08-08MS	1/2	1/2-14	3.440	2.107
SHF43-12-12MS	3/4	3/4-14	4.129	2.591
SHF43-16-16MS	1	1-11 1/2	4.818	3.067

**37° FLARESAVER SEALS
&
SS THREAD SEAL TAPE
AVAILABLE
SEE PG 39**



316 MALE JIC



316 MALE O-RING BOSS

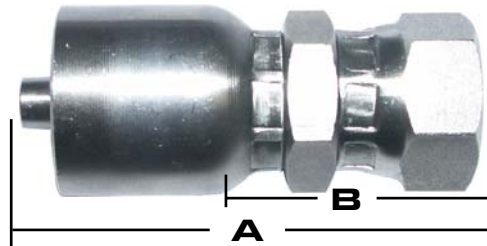
PART NO.	HOSE I.D.	THREAD	A OAL	B CUTOFF
SHF43-04-04MJ	1/4	7/16-20	2.072	1.734
SHF43-06-06MJ	3/8	9/16-18	2.395	1.830
SHF43-08-08MJ	1/2	3/4-16	2.751	2.021
SHF43-10-10MJ	5/8	7/8-14		
SHF43-12-12MJ	3/4	1 1/16 - 12	3.233	1.771
SHF43-16-16MJ	1	1 5/16 - 12	3.669	1.943

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHF43-04-04RA	1/4	7/16-20		
SHF43-06-06RA	3/8	9/16-18		
SHF43-08-08RA	1/2	3/4-16		
SHF43-10-10RA	5/8	7/8-14		
SHF43-12-12RA	3/4	1 1/16 - 12		
SHF43-16-16RA	1	1 5/16 - 12		

SHF 43 SERIES

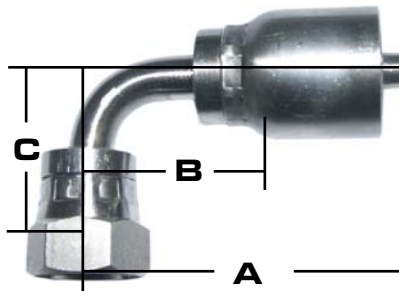
No Skive: 100R1AT, 100R2AT, 100R16, 100R17, DIN 1SN, DIN 2SN

Dimensions subject to change without prior notice.



316 SWIVEL FEMALE BSP 60° CONE

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHF43-04-04BSP	1/4	1/4 - 19	2.112	1.220
SHF43-06-06BSP	3/8	3/8 - 19	2.524	1.376
SHF43-08-08BSP	1/2	1/2 - 14		
SHF43-10-10BSP	5/8	5/8 - 14		
SHF43-12-12BSP	3/4	3/4 - 14		
SHF43-16-16BSP	1	1 - 11		



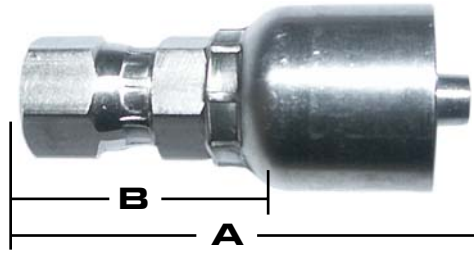
316 SWIVEL FEMALE BSP 60° CONE 90°

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHF43-04-04BSP90	1/4	1/4 - 19	2.163	1.276	.521
SHF43-06-06BSP90	3/8	3/8 - 19			
SHF43-08-08BSP90	1/2	1/2 - 14			
SHF43-10-10BSP90	5/8	5/8 - 14			
SHF43-12-12BSP90	3/4	3/4 - 14			
SHF43-16-16BSP90	1	1 - 11			

SHF 43 SERIES

No Skive: 100R1AT, 100R2AT, 100R16, 100R17, DIN 1SN, DIN 2SN

Dimensions subject to change without prior notice.



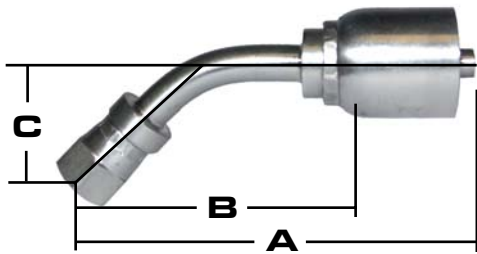
316 FEMALE JIC

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHF43-04-04FJ	1/4	7/16-20	2.132	1.280
SHF43-04-06FJ	1/4	9/16-18	2.162	1.239
SHF43-06-04FJ	3/8	7/16-20		
SHF43-06-06FJ	3/8	9/16-18	2.452	1.306
SHF43-06-08FJ	3/8	3/4-16	2.481	1.247
SHF43-08-06FJ	1/2	9/16-18		
SHF43-08-08FJ	1/2	3/4-16	2.774	1.394
SHF43-08-10FJ	1/2	7/8-14	2.986	1.584
SHF43-08-12FJ	1/2	1 1/16 - 12	3.074	1.698
SHF43-10-10FJ	5/8	7/8-14	3.036	1.559
SHF43-10-12FJ	5/8	1 1/16 - 12	3.215	1.643
SHF43-12-08FJ	3/4	3/4-16		
SHF43-12-12FJ	3/4	1 1/16 - 12	3.339	1.798
SHF43-12-16FJ	3/4	1 5/16 - 12	3.462	1.902
SHF43-16-12FJ	1	1 1/16 - 12	3.716	1.976
SHF43-16-16FJ	1	1 5/16 - 12	3.785	2.073
SHF43-16-20FJ	1	1 5/8 - 12		
SHF43-20-20FJ	1 1/4	1 5/8 - 12	4.309	2.404
SHF43-24-24FJ	1 1/2	1 7/8 - 12	4.116	2.706
SHF43-32-32FJ	2	2 1/2 - 12	4.738	2.865

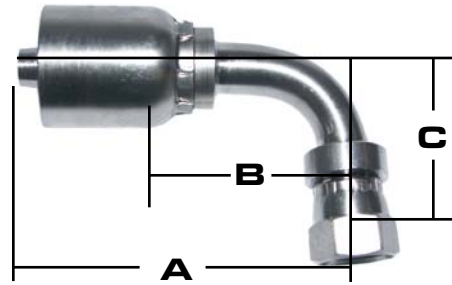
SHF 43 SERIES

No Skive: 100R1AT, 100R2AT, 100R16, 100R17, DIN 1SN, DIN 2SN

Dimensions subject to change without prior notice.



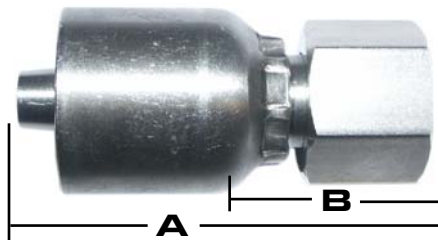
316 FEMALE JIC 45°



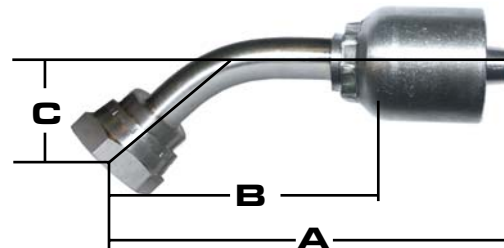
316 FEMALE JIC 90°

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHF43-04-04FJ45	1/4	7/16-20	3.073	2.184	1.145
SHF43-04-06FJ45	1/4	9/16-18			
SHF43-06-06FJ45	3/8	9/16-18	3.909	2.849	1.291
SHF43-06-08FJ45	3/8	3/4-16			
SHF43-08-08FJ45	1/2	3/4-16	4.083	2.671	1.212
SHF43-08-10FJ45	1/2	7/8-14			
SHF43-12-12FJ45	3/4	1 1/16-12	4.540	3.002	1.439
SHF43-16-16FJ45	1	1 5/16-12	4.807	3.090	1.694
SHF43-20-20FJ45	1 1/4	1 5/8-12			
SHF43-24-24FJ45	1 1/2	1 7/8-12			
SHF43-32-32FJ45	2	2 1/2-12			

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHF43-04-04FJ90	1/4	7/16-20	2.145	1.228	1.084
SHF43-04-06FJ90	1/4	9/16-18			
SHF43-06-06FJ90	3/8	9/16-18	2.872	1.698	1.456
SHF43-06-08FJ90	3/8	3/4-16	3.213	2.084	1.522
SHF43-08-08FJ90	1/2	3/4-16	3.121	1.804	1.561
SHF43-08-10FJ90	1/2	7/8-14	3.588	2.117	1.727
SHF43-12-12FJ90	3/4	1 1/16-12	3.949	2.458	1.924
SHF43-16-16FJ90	1	1 5/16-12	4.908	3.135	3.116
SHF43-20-20FJ90	1 1/4	1 5/8-12	5.993	3.624	2.465
SHF43-24-24FJ90	1 1/2	1 7/8-12			
SHF43-32-32FJ90	2	2 1/2-12			



316 DIN 24° LIGHT STRAIGHT



316 DIN 24° LIGHT 45°

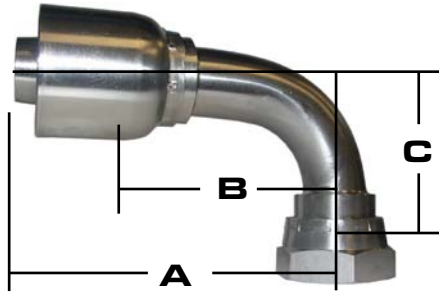
PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHF43-04-08L	1/4	M 14 x 1.5		
SHF43-06-10L	3/8	M 16 x 1.5		
SHF43-06-12L	3/8	M 18 x 1.5	2.381	1.213
SHF43-08-15L	1/2	M 22 x 1.5		
SHF43-10-18L	5/8	M 26 x 1.5		
SHF43-12-22L	3/4	M 30 x 2.0		
SHF43-16-28L	1	M 36 x 2.0		

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHF43-04-08L45	1/4	M 14 x 1.5			
SHF43-06-10L45	3/8	M 16 x 1.5			
SHF43-06-12L45	3/8	M 18 x 1.5			
SHF43-08-15L45	1/2	M 22 x 1.5			
SHF43-10-18L45	5/8	M 26 x 1.5			
SHF43-12-22L45	3/4	M 30 x 2.0			
SHF43-16-28L45	1	M 36 x 2.0			

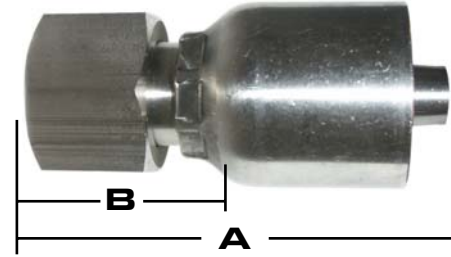
SHF 43 SERIES

No Skive: 100R1AT, 100R2AT, 100R16, 100R17, DIN 1SN, DIN 2SN

Dimensions subject to change without prior notice.



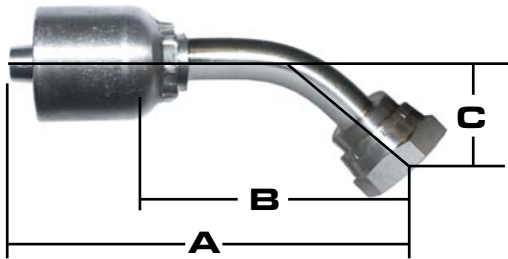
**316 DIN 24°
LIGHT 90°**



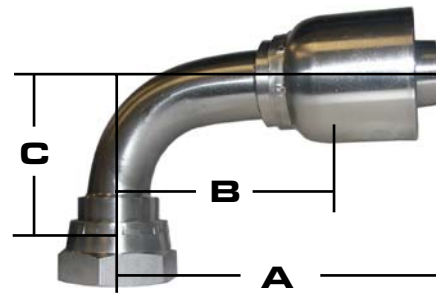
**316 DIN 24° HEAVY
STRAIGHT**

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHF43-04-08L90	1/4	M 14 x 1.5			
SHF43-06-10L90	3/8	M 16 x 1.5			
SHF43-06-12L90	3/8	M 18 x 1.5			
SHF43-08-15L90	1/2	M 22 x 1.5			
SHF43-10-18L90	5/8	M 26 x 1.5			
SHF43-12-22L90	3/4	M 30 x 2.0			
SHF43-16-28L90	1	M 36 x 2.0	5.030	3.264	2.536

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHF43-04-06S	1/4	M 14 x 1.5		
SHF43-04-08S	1/4	M 16 x 1.5		
SHF43-06-10S	3/8	M 18 x 1.5		
SHF43-06-12S	3/8	M 20 x 1.5	2.383	1.247
SHF43-06-14S	3/8	M 22 x 1.5		



316 DIN 24° HEAVY 45°



316 DIN 24° HEAVY 90°

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHF43-04-06S45	1/4	M 14 x 1.5			
SHF43-04-08S45	1/4	M 16 x 1.5			
SHF43-06-10S45	3/8	M 18 x 1.5			
SHF43-06-12S45	3/8	M 18 x 1.5			
SHF43-06-14S45	3/8	M 20 x 1.5			

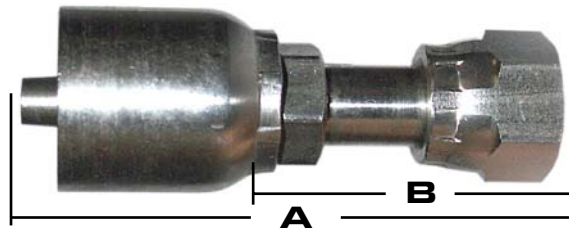
PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHF43-04-06S90	1/4	M 14 x 1.5			
SHF43-04-08S90	1/4	M 16 x 1.5			
SHF43-06-10S90	3/8	M 18 x 1.5			
SHF43-06-12S90	3/8	M 18 x 1.5			
SHF43-06-14S90	3/8	M 20 x 1.5			

**FOR ADDITIONAL HEAVY SIZES
SEE BW SERIES ON PG 4**

SHF 43 SERIES

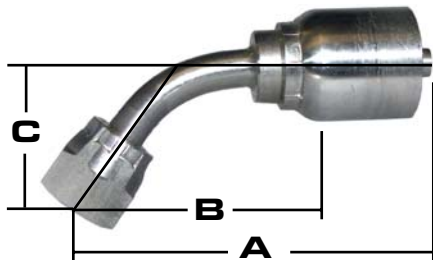
No Skive: 100R1AT, 100R2AT, 100R16, 100R17, DIN 1SN, DIN 2SN

Dimensions subject to change without prior notice.



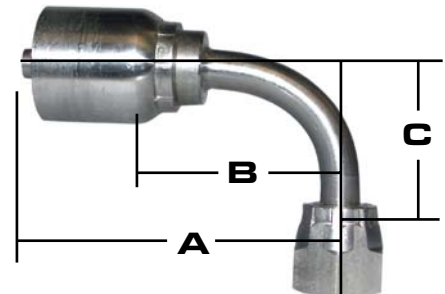
316 OFT (O-RING FACE SEAL)

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHF43-04-04OFT	1/4	9/16-18	2.303	1.366
SHF43-04-06OFT	1/4	11/16-16		
SHF43-06-06OFT	3/8	11/16-16	2.518	1.361
SHF43-06-08OFT	3/8	13/16-16		
SHF43-08-08OFT	1/2	13/16-16	2.830	1.437
SHF43-08-12OFT	1/2	1 13/16 - 12		
SHF43-10-10OFT	5/8	1-14	3.053	1.505
SHF43-12-12OFT	3/4	1 13/16 - 12		
SHF43-12-16OFT	3/4	1 7/16 - 12		
SHF43-16-16OFT	1	1 7/16 - 12		
SHF43-16-20OFT	1	1 11/16 - 12		
SHF43-20-20OFT	1 1/4	1 11/16 - 12		



316 OFT 45°

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHF43-04-04OFT45	1/4	9/16-18			
SHF43-04-06OFT45	1/4	11/16-16			
SHF43-06-06OFT45	3/8	11/16-16			
SHF43-06-08OFT45	3/8	13/16-16			
SHF43-08-08OFT45	1/2	13/16-16			
SHF43-08-12OFT45	1/2	1 13/16 - 12			
SHF43-12-12OFT45	3/4	1 13/16 - 12			
SHF43-12-16OFT45	3/4	1 7/16 - 12			
SHF43-16-16OFT45	1	1 7/16 - 12			
SHF43-16-20OFT45	1	1 11/16 - 12			
SHF43-20-20OFT45	1 1/4	1 11/16 - 12			



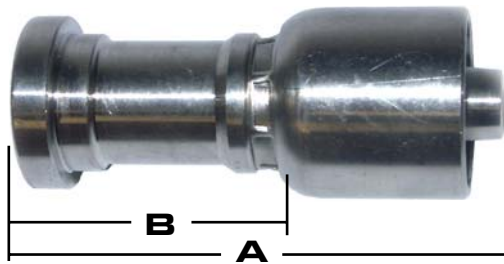
316 OFT 90°

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHF43-04-04OFT90	1/4	9/16-18	2.528	1.543	1.304
SHF43-04-06OFT90	1/4	11/16-16			
SHF43-06-06OFT90	3/8	11/16-16	2.759	1.582	1.173
SHF43-06-08OFT90	3/8	13/16-16			
SHF43-08-08OFT90	1/2	13/16-16			
SHF43-08-12OFT90	1/2	1 13/16 - 12			
SHF43-12-12OFT90	3/4	1 13/16 - 12			
SHF43-12-16OFT90	3/4	1 7/16 - 12			
SHF43-16-16OFT45	1	1 7/16 - 12			
SHF43-16-20OFT90	1 1/4	1 11/16 - 12			
SHF43-20-20OFT90	1 1/4	1 11/16 - 12			

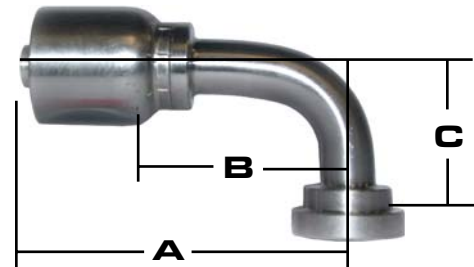
SHF 43 SERIES

No Skive: 100R1AT, 100R2AT, 100R16, 100R17, DIN 1SN, DIN 2SN

Dimensions subject to change without prior notice.



316 CODE 61 FLANGE



316 CODE 61 FLANGE 90°

PART NO.	HOSE I.D.	FLANGE OD	A OAL	B CUT-OFF
SHF43-06-08FL	3/8	1.19		
SHF43-08-08FL	1/2	1.19		
SHF43-08-12FL	3/4	1.50		
SHF43-12-12FL	1/2	1.50		
SHF43-12-16FL	3/4	1.75		
SHF43-16-16FL	1	1.75		
SHF43-16-20FL	1	2.00		
SHF43-20-20FL	1 1/4	2.00		
SHF43-20-24FL	1 1/4	2.38		
SHF43-24-24FL	1 1/2	2.38		
SHF43-24-32FL	1 1/2	2.81		
SHF43-32-32FL	2	2.81		

PART NO.	HOSE I.D.	FLANGE OD	A OAL	B CUT-OFF	C DROP
SHF43-06-08FL90	3/8	1.19			
SHF43-08-08FL90	1/2	1.19			
SHF43-08-12FL90	3/4	1.50			
SHF43-12-12FL90	1/2	1.50			
SHF43-12-16FL90	3/4	1.75			
SHF43-16-16FL90	1	1.75			
SHF43-16-20FL90	1	2.00			
SHF43-20-20FL90	1 1/4	2.00			
SHF43-20-24FL90	1 1/4	2.38			
SHF43-24-24FL90	1 1/2	2.38			
SHF43-24-32FL90	1 1/2	2.81			
SHF43-32-32FL90	2	2.81			

**SPLIT FLANGE KITS AVAILABLE
SEE PG 39**

LET SHF FABRICATE YOUR CUSTOM FITTINGS

SHF 71 SERIES

No Skive: 100R12

Dimensions subject to change without prior notice.



316 MALE PIPE

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHF71-08-08MP	1/2	1/2-14		
SHF71-12-12MP	3/4	3/4-14		
SHF71-16-16MP	1	1-11 1/2	3.660	1.876
SHF71-20-20MP	1 1/4	1 1/4-11 1/2		
SHF71-24-24MP	1 1/2	1 1/2-11 1/2		
SHF71-32-32MP	2	2-11 1/2		



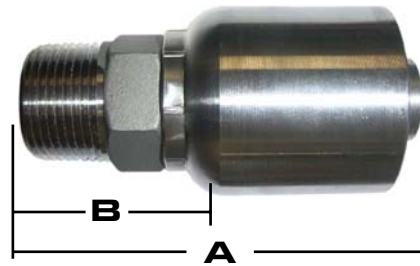
316 FEMALE JIC

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHF71-08-08FJ	1/2	3/4-16	2.806	1.429
SHF71-12-12FJ	3/4	1 1/16-12	3.352	1.901
SHF71-16-16FJ	1	1 5/16-12	3.806	2.102
SHF71-20-20FJ	1 1/4	1 5/8-12	4.220	2.406
SHF71-24-24FJ	1 1/2	1 7/8-12	4.837	2.549
SHF71-32-32FJ	2	2 1/2-12	6.407	2.892

SHF 78 SERIES

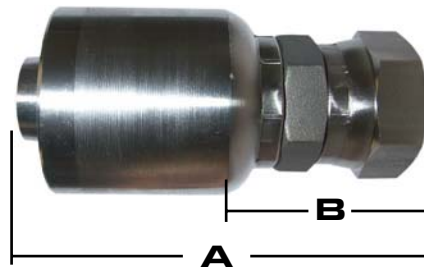
100R13

Dimensions subject to change without prior notice.



316 MALE PIPE

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHF78-12-12MP	3/4	3/4 - 14		
SHF78-16-16MP	1	1-11 1/2	4.210	2.114
SHF78-20-20MP	1 1/4	1 1/4 - 11		
SHF78-24-24MP	1 1/2	1 1/2-11 1/2	5.280	2.642
SHF78-32-32MP	2	2-11 1/2	5.887	3.159



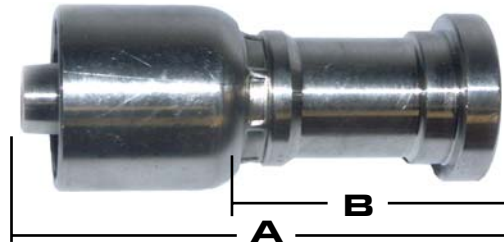
316 FEMALE JIC

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHF78-12-12FJ	3/4	1 1/16-12		
SHF78-16-16FJ	1	1 5/16-12	4.292	2.096
SHF78-20-20FJ	1 1/4	1 5/8-12	4.974	2.293
SHF78-24-24FJ	1 1/2	1 7/8-12	5.210	2.583
SHF78-32-32FJ	2	2 1/2-12		

SHF 78 SERIES

100R13

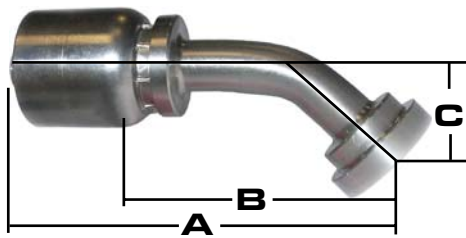
Dimensions subject to change without prior notice.



316 CODE 62 FLANGE

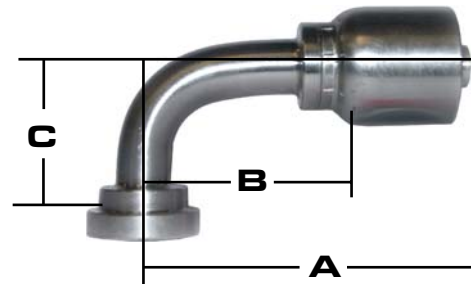
PART NO.	HOSE I.D.	FLANGE OD	A OAL	B CUT-OFF
SHF78-12-12FH	3/4	1.63		
SHF78-16-16FH	1	1.88		
SHF78-20-20FH	1 1/4	2.13		
SHF78-24-24FH	1 1/2	2.50		
SHF78-32-32FH	2	3.13	7.962	5.198

SPLIT FLANGE KITS AVAILABLE SEE PG 39



316 CODE 62 FLANGE 45°

PART NO.	HOSE I.D.	FLANGE OD	A OAL	B CUT-OFF	C DROP
SHF78-12-12FH45	3/4	1.63			
SHF78-16-16FH45	1	1.88			
SHF78-20-20FH45	1 1/4	2.13			
SHF78-24-24FH45	1 1/2	2.50	7.838	5.145	3.267
SHF78-32-32FH45	2	3.13	8.752	5.809	3.405



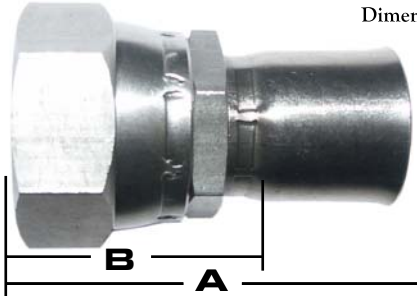
316 CODE 62 FLANGE 90°

PART NO.	HOSE I.D.	FLANGE OD	A OAL	B CUT-OFF	C DROP
SHF78-12-12FH90	3/4	1.63			
SHF78-16-16FH90	1	1.88			
SHF78-20-20FH90	1 1/4	2.13			
SHF78-24-24FH90	1 1/2	2.50			
SHF78-32-32FH90	2	3.13	8.016	5.320	4.326

SHF 91 SERIES

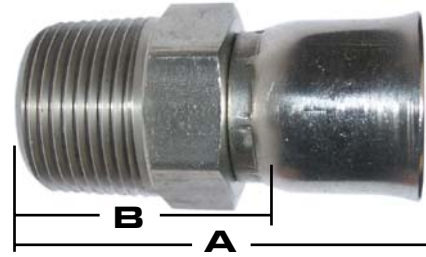
SAE 100R14 Smooth Bore Teflon (316 MTO: Made To Order)

Dimensions subject to change without prior notice.



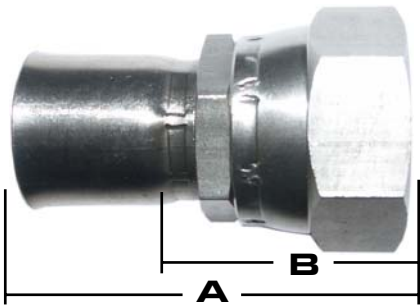
303 JIS 30° CONE SEAT

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHF91-04-04JIS	3/16	1/4-19		
SHF91-06-06JIS	5/16	3/8-19		
SHF91-08-08JIS	13/32	1/2-14		
SHF91-10-10JIS	1/2	5/8-14		
SHF91-12-12JIS	5/8	3/4-14		
SHF91-16-16JIS	7/8	1-11		



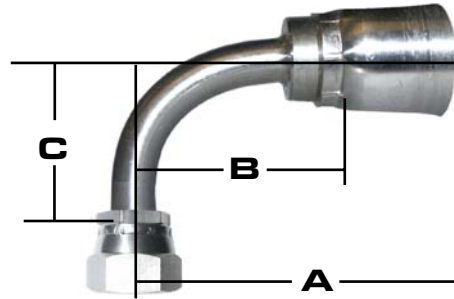
303 MALE PIPE

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHF91-04-02MP	3/16	1/8-27	1.376	.920
SHF91-04-04MP	3/16	1/4-18	1.423	.998
SHF91-04-06MP	3/16	3/8-18		
SHF91-05-04MP	1/4	1/4-18	1.547	1.075
SHF91-06-06MP	5/16	3/8-18	1.742	1.098
SHF91-07-06MP	3/8	3/8-18		
SHF91-08-08MP	13/32	1/2-14	1.977	1.334
SHF91-10-08MP	1/2	1/2-14	2.041	1.378
SHF91-12-12MP	5/8	3/4-14	2.256	1.522
SHF91-16-16MP	7/8	1-11 1/2	2.644	1.831



303 FEMALE JIC

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHF91-04-04FJ	3/16	7/16-20	1.583	1.028
SHF91-04-05FJ	3/16	1/2-20		
SHF91-06-06FJ	5/16	9/16-18	1.680	1.048
SHF91-06-08FJ	5/16	3/4-16		
SHF91-08-08FJ	13/32	3/4-16	1.950	1.278
SHF91-10-08FJ	1/2	3/4-16	1.893	1.266
SHF91-10-10FJ	1/2	7/8-14	2.079	1.387
SHF91-12-12FJ	5/8	1 1/16 - 12	2.193	1.375
SHF91-16-16FJ	7/8	1 5/16 - 12	2.481	1.627



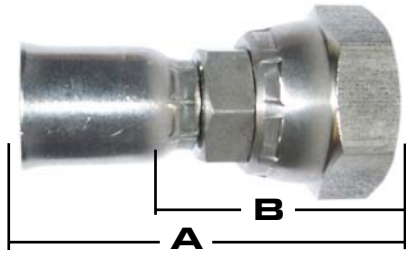
303 FEMALE JIC 90°

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF	C DROP
SHF91-04-04FJ90	3/16	7/16-20			
SHF91-04-05FJ90	3/16	1/2-20			
SHF91-06-06FJ90	5/16	9/16-18			
SHF91-06-08FJ90	5/16	3/4-16			
SHF91-08-08FJ90	13/32	3/4-16			
SHF91-10-08FJ90	1/2	3/4-16			
SHF91-10-10FJ90	1/2	7/8-14			
SHF91-12-12FJ90	5/8	1 1/16 - 12			
SHF91-16-16FJ90	7/8	1 5/16 - 12			

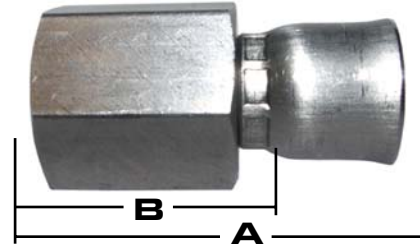
SHF 91 SERIES

SAE 100R14 Smooth Bore Teflon (303 & 316 Available)

Dimensions subject to change without prior notice.



**316 SWIVEL FEMALE BSP
60° CONE**

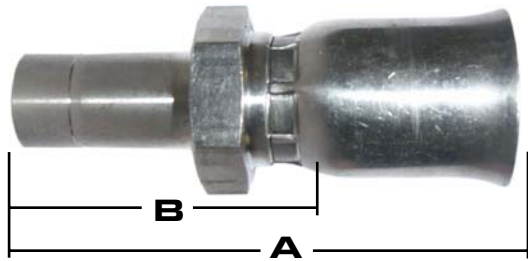


316 FEMALE PIPE RIGID

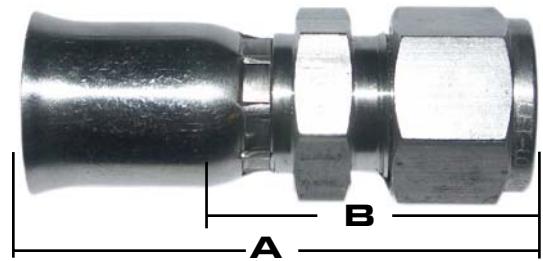
PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHF91-04-04BSP	3/16	1/4-19		
SHF91-06-06BSP	5/16	3/8-19	1.748	1.142
SHF91-08-08BSP	13/32	1/2-14		
SHF91-10-10BSP	1/2	5/8-14		
SHF91-12-12BSP	7/8	3/4-14		
SHF91-16-16BSP	1	1-11		

PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHF91-05-04FP	1/4	1/4-18		
SHF91-10-08FP	1/2	1/2-14		

**STAINLESS STEEL
COMPRESSION
NUT & FERRULE SETS
AVAILABLE**



303 & 316 TUBE STUB



303 & 316 LOK

PART NO.	HOSE I.D.	TUBE O.D.	A OAL	B CUT-OFF
SHF91-04-04TS	3/16	1/4		
SHF91-05-04TS	1/4	1/4	1.800	1.261
SHF91-06-06TS	5/16	3/8		
SHF91-07-06TS	3/8	3/8-18	2.093	1.398
SHF91-08-08TS	13/32	1/2		
SHF91-10-08TS	1/2	1/2	2.518	1.627
SHF91-12-12TS	5/8	3/4		
SHF91-16-16TS	7/8	1		

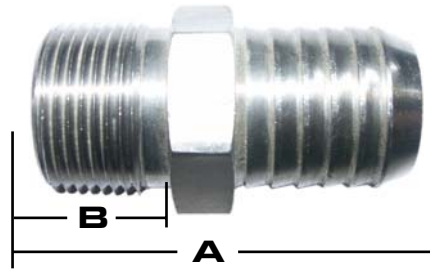
PART NO.	HOSE I.D.	TUBE O.D.	A OAL	B CUT-OFF
SHF91-05-04LOK	1/4	1/4		
SHF91-07-06LOK	3/8	3/8		
SHF91-10-08LOK	1/2	1/2		

Instrumentation Male Compression

SHF HB SERIES

303 & 316 Stainless Steel Hose Barb

Dimensions subject to change without prior notice.



303 & 316 MALE PIPE

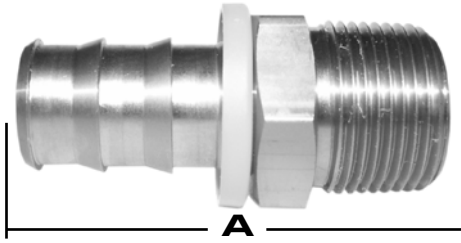
PART NO.	HOSE I.D.	THREAD	A OAL	B CUT-OFF
SHFHB04-02MP	1/4	1/8-27		
SHFHB04-04MP	1/4	1/4-18		
SHFHB06-02MP	3/8	1/8-27		
SHFHB06-04MP	3/8	1/4-18		
SHFHB06-06MP	3/8	3/8-18		
SHFHB6-08MP	3/8	1/2-14		
SHFHB08-04MP	1/2	1/4-18		
SHFHB08-06MP	1/2	3/8-18		
SHFHB08-08MP	1/2	1/2-14		
SHFHB08-12MP	1/2	3/4-14		
SHFHB10-08MP	5/8	1/2-14		
SHFHB12-08MP	3/4	1/2-14		
SHFHB12-12MP	3/4	3/4-14		
SHFHB12-16MP	3/4	1-11 1/2		
SHFHB16-12MP	1	3/4-14		
SHFHB16-16MP	1	1-11 1/2		
SHFHB20-20MP	1 1/4	1 1/4-11 1/2		
SHFHB24-24MP	1 1/2	1 1/2-11 1/2		
SHFHB32-32MP	2	2-11 1/2		

SS THREAD SEAL TAPE AVAILABLE

SHF PO SERIES

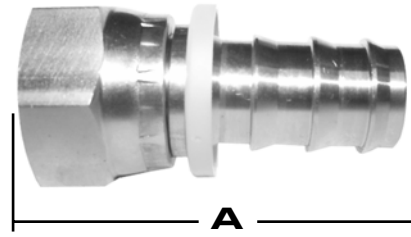
303 & 316 Stainless Steel Push-On Hose Fittings

Dimensions subject to change without prior notice.



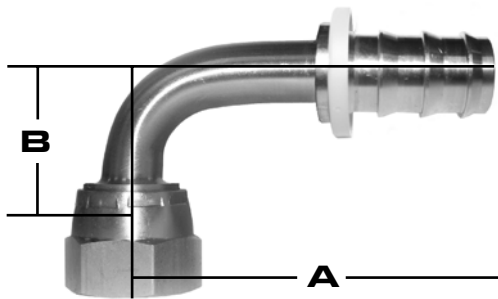
303 & 316 MALE PIPE

PART NO.	HOSE I.D.	THREAD	A OAL
SHFPO04-02MP	1/4	1/8-27	1.395
SHFPO04-04MP	1/4	1/4-18	1.668
SHFPO06-04MP	3/8	1/4-18	1.742
SHFPO06-06MP	3/8	3/8 - 18	1.769
SHFPO08-08MP	1/2	1/2 - 14	2.182
SHFPO10-08MP	5/8	1/2 - 14	
SHFPO12-12MP	3/4	3/4 - 14	2.639



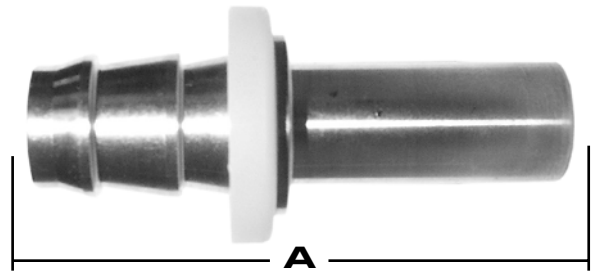
303 & 316 FEMALE JIC

PART NO.	HOSE I.D.	THREAD	A OAL
SHFPO04-04FJ	1/4	7/16-20	1.552
SHFPO06-06FJ	3/8	9/16-18	1.755
SHFPO08-08FJ	1/2	3/4-16	1.865
SHFPO10-10FJ	5/8	7/8-14	2.471
SHFPO12-12FJ	3/4	1 1/16 - 12	2.616



303 & 316 FEMALE JIC 90°

PART NO.	HOSE I.D.	THREAD	A OAL	B DROP
SHFPO04-04FJ90	1/4	7/16-20		
SHFPO06-06FJ90	3/8	9/16-18		
SHFPO08-08FJ90	1/2	3/4-16		
SHFPO10-10FJ90	5/8	7/8-14		
SHFPO12-12FJ90	3/4	1 1/16 - 12		



303 & 316 TUBE STUB

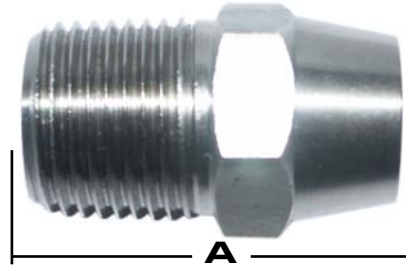
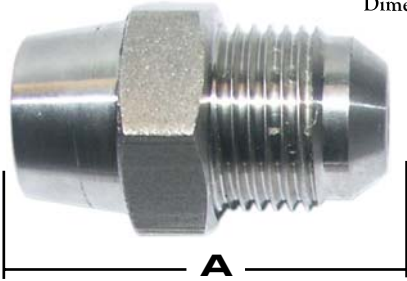
PART NO.	HOSE I.D.	TUBE O.D.	A OAL
SHFPO04-04TS	1/4	1/4	1.894
SHFPO06-06TS	3/8	3/8	2.247
SHFPO08-08TS	1/2	1/2	2.161
SHFPO10-10TS	5/8	5/8	
SHFPO12-12TS	3/4	3/4	

SHFWO & CWO

304 & 316 Stainless Steel & Carbon Steel Weld On / Braze Ends

Dimensions subject to change without prior notice.

SHFWO = Stainless Steel
CWO = Carbon Steel



Available
in
CWO!

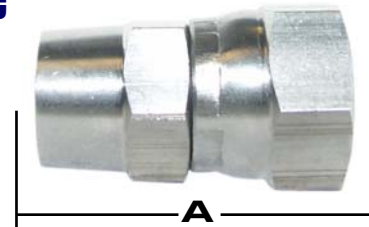
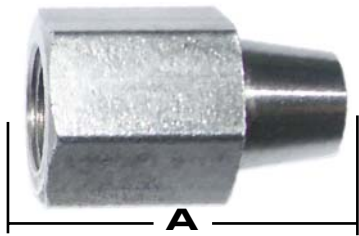
304 & 316 MALE JIC

304 & 316 MALE PIPE

PART NO.	HOSE I.D.	THREAD	A OAL
SHFWO-04MJ	1/4	7/16-20	
SHFWO-06MJ	3/8	9/16-18	1.321
SHFWO-08MJ	1/2	3/4-16	1.444
SHFWO-10MJ	5/8	7/8-14	
SHFWO-12MJ	3/4	1 1/16 - 12	
SHFWO-16MJ	1	1 5/16 - 12	
SHFWO-20MJ	1 1/4	1 5/8 - 12	
SHFWO-24MJ	1 1/2	1 7/8 - 12	
SHFWO-32MJ	2	1 1/2 - 12	

PART NO.	HOSE I.D.	THREAD	A OAL
SHFWO-04MP	1/4	1/4-18	1.298
SHFWO-06MP	3/8	3/8-18	1.288
SHFWO-08MP	1/2	1/2-14	1.503
SHFWO-12MP	3/4	3/4-14	1.569
SHFWO-16MP	1	1-11 1/2	1.761
SHFWO-20MP	1 1/4	1 1/4-11 1/2	1.756
SHFWO-24MP	1 1/2	1 1/2-11 1/2	1.917
SHFWO-32MP	2	2-11 1/2	1.948

45° & 90° STAINLESS STEEL BENT TUBING AVAILABLE



Available
in
CWO!

304 & 316 FEMALE PIPE

304 & 316 FEMALE JIC

PART NO.	HOSE I.D.	THREAD	A OAL
SHFWO-04FP	1/4	1/4-18	1.263
SHFWO-06FP	3/8	3/8-18	
SHFWO-08FP	1/2	1/2-14	
SHFWO-12FP	3/4	3/4-14	
SHFWO-16FP	1	1-11 1/2	
SHFWO-20FP	1 1/4	1 1/4-11 1/2	
SHFWO-24FP	1 1/2	1 1/2-11 1/2	
SHFWO-32FP	2	2-11 1/2	

PART NO.	HOSE I.D.	THREAD	A OAL
SHFWO-04FJ	1/4	7/16-20	1.336
SHFWO-06FJ	3/8	9/16-18	1.395
SHFWO-08FJ	1/2	3/4-16	1.488
SHFWO-10FJ	5/8	7/8-14	1.636
SHFWO-12FJ	3/4	1 1/16 - 12	1.725
SHFWO-16FJ	1	1 5/16 - 12	1.867
SHFWO-16FJ ^{EX LONG}	1	1 5/16 - 12	2.973
SHFWO-20FJ	1 1/4	1 5/8 - 12	2.089
SHFWO-24FJ	1 1/2	1 7/8 - 12	2.259
SHFWO-32FJ	2	2 1/2 - 12	2.449

SHFWO & CWO

304 & 316 Stainless Steel & Carbon Steel Weld On / Braze Ends

T= Tube Style

Dimensions subject to change without prior notice.

SHFWO = Stainless Steel

CWO = Carbon Steel

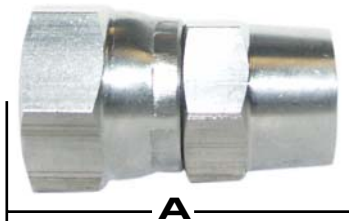


316 FEMALE JIC 45°T

316 FEMALE JIC 90°T

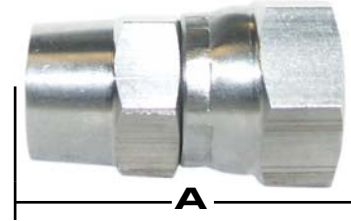
PART NO.	HOSE I.D.	THREAD
SHFWO-04FJ45T	1/4	7/16-20
SHFWO-06FJ45T	3/8	9/16-18
SHFWO-08FJ45T	1/2	3/4-16
SHFWO-10FJ45T	5/8	7/8-14
SHFWO-12FJ45T	3/4	1 1/16 - 12
SHFWO-16FJ45T	1	1 5/16 - 12
SHFWO-20FJ45T	1 1/4	1 5/8 - 12
SHFWO-24FJ45T	1 1/2	1 7/8 - 12
SHFWO-32FJ45T	2	2 1/2 - 12

PART NO.	HOSE I.D.	THREAD
SHFWO-04FJ90T	1/4	7/16-20
SHFWO-06FJ90T	3/8	9/16-18
SHFWO-08FJ90T	1/2	3/4-16
SHFWO-10FJ90T	5/8	7/8-14
SHFWO-12FJ90T	3/4	1 1/16 - 12
SHFWO-16FJ90T	1	1 5/16 - 12
SHFWO-20FJ90T	1 1/4	1 5/8 - 12
SHFWO-24FJ90T	1 1/2	1 7/8 - 12
SHFWO-32FJ90T	2	2 1/2 - 12



304 & 316 SWIVEL FEMALE BSP 60° CONE

PART NO.	HOSE I.D.	THREAD	A OAL
SHFWO-04BSP	1/4	1/4-19	
SHFWO-06BSP	3/8	3/8-19	
SHFWO-08BSP	1/2	1/2-14	1.698
SHFWO-12BSP	3/4	3/4-14	1.803
SHFWO-16BSP	1	1-11	1.839
SHFWO-20BSP	1 1/4	1 1/4-11	2.104
SHFWO-24BSP	1 1/2	1 1/2-11	2.236
SHFWO-32BSP	2	2-11	



304 & 316 OFT (O-RING FACE SEAL)

PART NO.	HOSE I.D.	THREAD	A OAL
SHFWO-04OFT	1/4	9/16-18	
SHFWO-06OFT	3/8	11/16-16	
SHFWO-08OFT	1/2	13/16-16	1.619
SHFWO-10OFT	5/8	1-14	
SHFWO-12OFT	3/4	1 13/16 - 12	1.84
SHFWO-16OFT	1	1 7/16 - 12	1.980
SHFWO-20OFT	1 1/4	1 11/16 - 12	
SHFWO-24OFT	2	2 - 12	

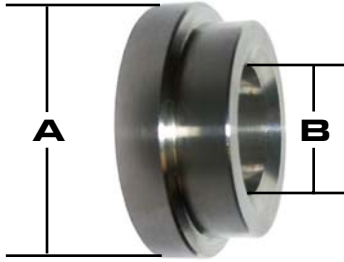
Available in CWO!

SHFWO

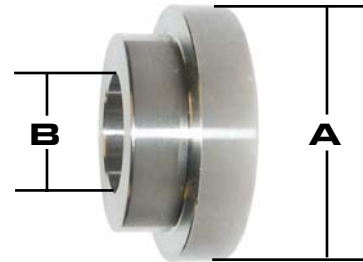
Stainless Steel Weld On / Braze Ends

Dimensions subject to change without prior notice.

SHFWO = Stainless Steel



**316 CODE 61 FLANGE
X
COUNTER BORE**



**316 CODE 62 FLANGE
X
COUNTER BORE**

PART NO.	FLANGE SIZE	A FLANGE O.D.	B COUNTER BORE
SHFWO-08FL	1/2	1.19	.500
SHFWO-12FL	3/4	1.50	.750
SHFWO-16FL	1	1.75	1.000
SHFWO-20FL	1 1/4	2.00	1.250
SHFWO-24FL	1 1/2	2.38	1.500
SHFWO-32FL	2	2.81	2.000

PART NO.	FLANGE SIZE	A FLANGE O.D.	B COUNTER BORE
SHFWO-08FH	1/2	1.25	.500
SHFWO-12FH	3/4	1.63	.750
SHFWO-16FH	1	1.88	1.000
SHFWO-20FH	1 1/4	2.13	1.250
SHFWO-24FH	1 1/2	2.50	1.500
SHFWO-32FH	2	3.13	2.000

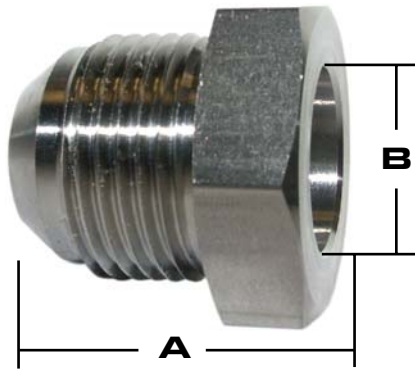
**SPLIT FLANGE KITS AVAILABLE
SEE PG 39**

**ALSO AVAILABLE
45° & 90° STAINLESS STEEL
BENT TUBING**

0403

Male JIC Socket Weld For Tubing

Dimensions subject to change without prior notice.



316 MALE JIC X COUNTER BORE

PART NO.	MJIC SIZE	THREAD	A OAL	B COUNTER BORE
0403-04MJ	1/4	7/16-20	.800	.250
0403-06MJ	3/8	9/16-18	.844	.375
0403-08MJ	1/2	3/4-16	.944	.500
0403-10MJ	5/8	7/8-14		.625
0403-12MJ	3/4	1 1/16 - 12	1.280	.750
0403-16MJ	1	1 5/16 - 12	1.342	1.000
0403-20MJ	1 1/4	1 5/8 - 12	1.450	1.250
0403-24MJ	1 1/2	1 7/8 - 12		1.500
0403-32MJ	2	2 1/2 - 12		2.000

**37° FLARESAVER SEALS
&
SS THREAD SEAL TAPE AVAILABLE
SEE PG 39**

**ALSO AVAILABLE
45° & 90° STAINLESS STEEL
BENT TUBING**

316 Stainless Steel

COMPRESSION BITE RING



L = LIGHT

COMPRESSION NUT



L = LIGHT

PART NO.	THREAD
6L-BR	M 12 x 1.5
8L-BR	M 14 x 1.5
10L-BR	M 16 x 1.5
12L-BR	M 18 x 1.5
15L-BR	M 22 x 1.5
18L-BR	M 26 x 1.5
22L-BR	M 30 x 2.0
28L-BR	M 36 x 2.0
35L-BR	M 45 x 2.0
42L-BR	M 52 x 2.0

PART NO.	THREAD
6L-NUT	M 12 x 1.5
8L-NUT	M 14 x 1.5
10L-NUT	M 16 x 1.5
12L-NUT	M 18 x 1.5
15L-NUT	M 22 x 1.5
18L-NUT	M 26 x 1.5
22L-NUT	M 30 x 2.0
28L-NUT	M 36 x 2.0
35L-NUT	M 45 x 2.0
42L-NUT	M 52 x 2.0

S = HEAVY

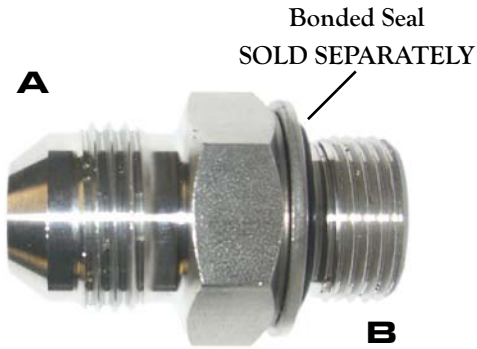
8S-BR	M 16 x 1.5
10S-BR	M 18 x 1.5
12S-BR	M 20 x 1.5
14S-BR	M 22 x 1.5
16S-BR	M 24 x 1.5
20S-BR	M 30 x 2.0
25S-BR	M 36 x 2.0
30S-BR	M 42 x 2.0
38S-BR	M 52 x 2.0

S = HEAVY

8S-NUT	M 16 x 1.5
10S-NUT	M 18 x 1.5
12S-NUT	M 20 x 1.5
14S-NUT	M 22 x 1.5
16S-NUT	M 24 x 1.5
20S-NUT	M 30 x 2.0
25S-NUT	M 36 x 2.0
30S-NUT	M 42 x 2.0
38S-NUT	M 52 x 2.0

SHF METRIC ADAPTERS

MJIC X British



316 JIC x BSPP

PART NO.	A MALE JIC	B BSPP
2404-04-02BSPP	7/16-20	1/8-28
2404-04-04BSPP	7/16-20	1/4-19
2404-06-04BSPP	9/16-18	1/4-19
2404-06-06BSPP	9/16-18	3/8-19
2404-06-08BSPP	9/16-18	1/2-14
2404-08-04BSPP	3/4-16	1/4-19
2404-08-06BSPP	3/4-16	3/8-19
2404-08-08BSPP	3/4-16	1/2-14
2404-08-12BSPP	3/4-16	3/4-14
2404-10-08BSPP	7/8-14	1/2-14
2404-10-10BSPP	7/8-14	5/8-14
2404-12-08BSPP	1 1/16-12	1/2-14
2404-12-12BSPP	1 1/16-12	3/4-14
2404-12-16BSPP	1 1/16-12	1-11
2404-16-12BSPP	1 5/16-12	3/4-14
2404-16-16BSPP	1 5/16-12	1-11
2404-16-20BSPP	1 5/16-12	1 1/4-11
2404-20-16BSPP	1 5/8-12	1-11
2404-20-20BSPP	1 5/8-12	1 1/4-11
2404-24-24BSPP	1 7/8-12	1 1/2-11



316 JIC x BSPP 90°

PART NO.	A MALE JIC	B BSPT
6801-04-04BSPP	7/16-20	1/4-19
6801-06-06BSPP	9/16-18	3/8-19
6801-08-08BSPP	3/4-16	1/2-14
6801-10-10BSPP	7/8-14	5/8-14
6801-12-12BSPP	1 1/16-12	3/4-14
6801-16-16BSPP	1 5/16-12	1-11
6801-20-20BSPP	1 5/8-12	1 1/4-11
6801-24-24BSPP	1 7/8-12	1 1/2-11



316 JIC x BSPT

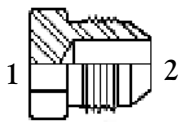
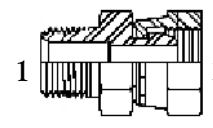
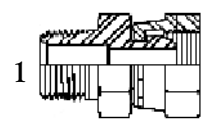
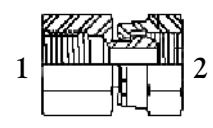
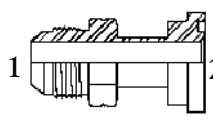
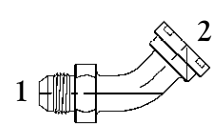
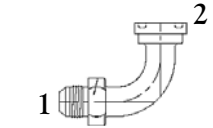
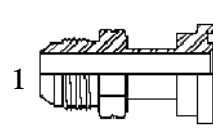
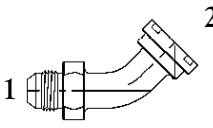
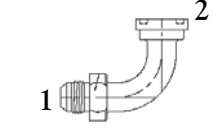
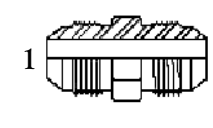
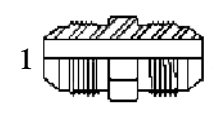
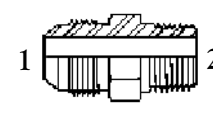
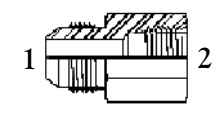
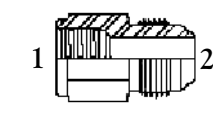
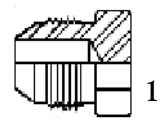
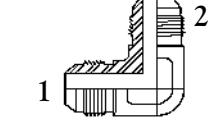
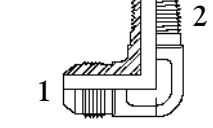
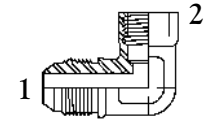
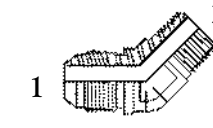
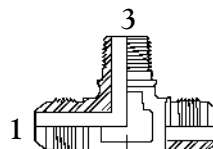
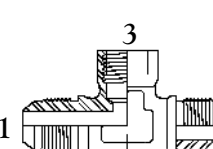
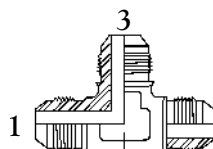
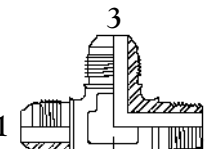
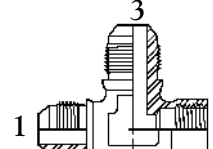
PART NO.	A MALE JIC	B BSPT
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2404-04-04BSPT	7/16-20	1/4-19
2404-06-04BSPT	9/16-18	1/4-19
2404-06-06BSPT	9/16-18	3/8-19
2404-08-06BSPT	3/4-16	3/8-19
2404-08-08BSPT	3/4-16	1/2-14
2404-12-12BSPT	1 1/16-12	3/4-14
2404-16-16BSPT	1 5/16-12	1-11
2404-20-20BSPT	1 5/8-12	1 1/4-11
2404-24-24BSPT	1 7/8-12	1 1/2-11

**37° FLARESAVER SEALS
&
SS THREAD SEAL TAPE
AVAILABLE
SEE PG 39**

**ALSO AVAILABLE
STAINLESS STEEL
BONDED SEALS**

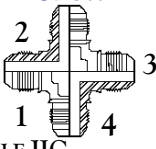

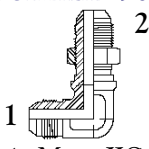
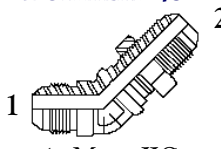
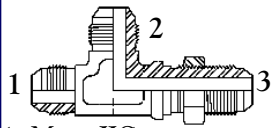
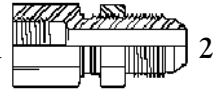
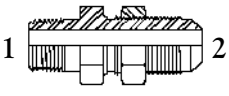
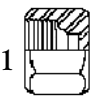
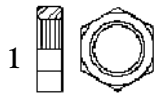

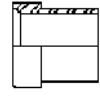
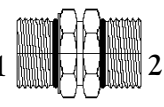
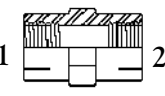
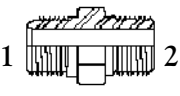
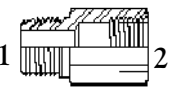
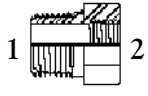

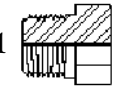
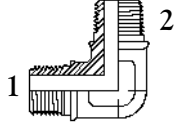
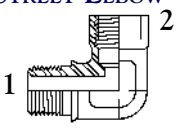
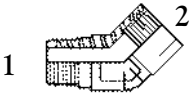
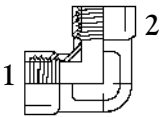
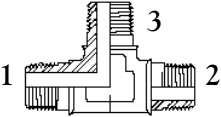
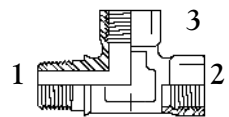
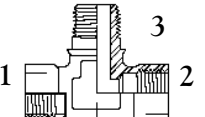
SHF STAINLESS ADAPTERS

Tube - Pipe - Adjustable & O - Ring - Adapter Union Fittings

<p>0403 SOCKET WELD FOR TUBING</p>  <p>1 - SOCKET 2 - MALE JIC</p>	<p>1404 MP-FPS STRAIGHT</p>  <p>1 - MALE PIPE 2 - FEMALE PIPE SWIVEL</p>	<p>1404 MP-FPS STRAIGHT HIGH PRESSURE</p>  <p>1 - MALE PIPE 2 - FEMALE PIPE SWIVEL</p>	<p>1405 FP-FPS STRAIGHT</p>  <p>1 - FEMALE PIPE 2 - FEMALE PIPE SWIVEL</p>	<p>1700 MJ-FLANGE STRAIGHT CODE 61</p>  <p>1 - MALE JIC 2 - FLANGE CODE 61</p>
<p>1703 MJ-FLANGE 45° CODE 61</p>  <p>1 - MALE JIC 2 - FLANGE 45° CODE 61</p>	<p>1704 MJ-FLANGE 90° CODE 61</p>  <p>1 - MALE JIC 2 - FLANGE 90° CODE 61</p>	<p>1800 MJ-FLANGE STRAIGHT CODE 62</p>  <p>1 - MALE JIC 2 - FLANGE CODE 62</p>	<p>1803 MJ-FLANGE 45° CODE 62</p>  <p>1 - MALE JIC 2 - FLANGE 45° CODE 62</p>	<p>1804 MJ-FLANGE 90° CODE 62</p>  <p>1 - MALE JIC 2 - FLANGE 90° CODE 62</p>
<p>2403 MJ - MJ STRAIGHT</p>  <p>1 - MALE JIC 2 - MALE JIC</p>	<p>2403-LH MJ - MJ STRAIGHT LARGE HEX</p>  <p>1 - MALE JIC 2 - MALE JIC LARGE HEX</p>	<p>2404 MJ-MP STRAIGHT</p>  <p>1 - MALE JIC 2 - MALE PIPE</p>	<p>2405 MJ-FP STRAIGHT</p>  <p>1 - MALE JIC 2 - FEMALE PIPE</p>	<p>2406 FJ-MJ STRAIGHT REDUCER</p>  <p>1 - FEMALE JIC 2 - MALE JIC REDUCER</p>
<p>2408 MJ PLUG</p>  <p>1 - MALE JIC PLUG</p>	<p>2500 MJ - MJ 90°</p>  <p>1 - MALE JIC 2 - MALE JIC 90°</p>	<p>2501 MJ - MP 90°</p>  <p>1 - MALE JIC 2 - MALE PIPE 90°</p>	<p>2502 MJ - FP 90°</p>  <p>1 - MALE JIC 2 - FEMALE PIPE 90°</p>	<p>2503 MJ - MP 45°</p>  <p>1 - MALE JIC 2 - MALE PIPE 45°</p>
<p>2601 MJ - MJ - MP TEE</p>  <p>1 - MALE JIC 2 - MALE JIC 3 - MALE PIPE</p>	<p>2602 MJ - MJ - FP TEE</p>  <p>1 - MALE JIC 2 - MALE JIC 3 - FEMALE PIPE</p>	<p>2603 MJ - MJ - MJ TEE</p>  <p>1 - MALE JIC 2 - MALE JIC 3 - MALE JIC</p>	<p>2605 MJ - MP - MJ TEE</p>  <p>1 - MALE JIC 2 - MALE PIPE 3 - MALE JIC</p>	<p>2606 MJ - FP - MJ TEE</p>  <p>1 - MALE JIC 2 - FEMALE PIPE 3 - MALE JIC</p>

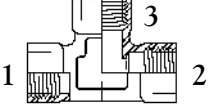
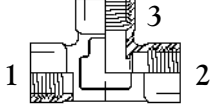
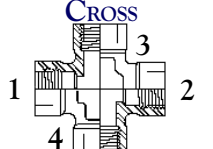
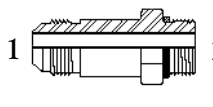
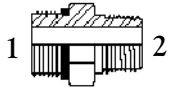
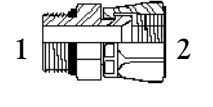
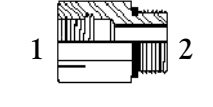
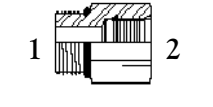
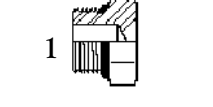
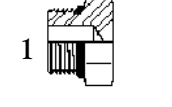
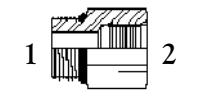
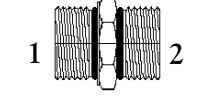
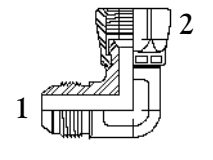
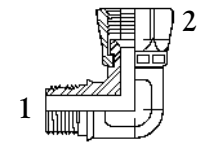
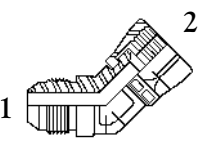
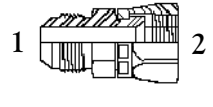
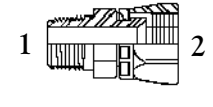
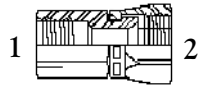
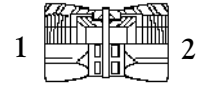
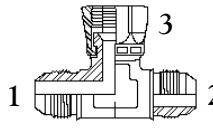
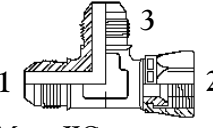
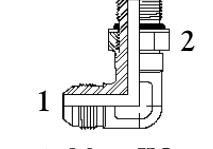
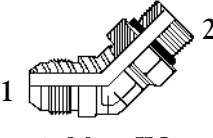
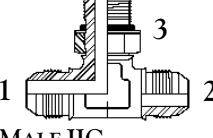
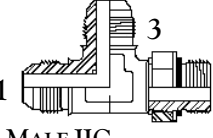
SHF STAINLESS ADAPTERS

Tube - Pipe - Adjustable & O - Ring - Adapter Union Fittings

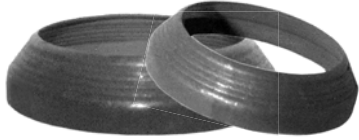
<p>2650 MJ - MJ - MJ - MJ CROSS</p>  <p>1 - MALE JIC 2 - MALE JIC 3 - MALE JIC 4 - MALE JIC</p>	<p>2700 MJ - MJ BULKHEAD STRAIGHT</p>  <p>1 - MALE JIC 2 - MALE JIC</p>	<p>2701 MJ - MJ BULKHEAD 90°</p>  <p>1 - MALE JIC 2 - MALE JIC BULKHEAD 90°</p>	<p>2702 MJ - MJ BULKHEAD 45°</p>  <p>1 - MALE JIC 2 - MALE JIC BULKHEAD 45°</p>	<p>2704 MJ - MJ - MJ BULKHEAD RUN TEE</p>  <p>1 - MALE JIC 2 - MALE JIC 3 - MALE JIC</p>
<p>2705 FP - MJ BULKHEAD STRAIGHT</p>  <p>1 - FEMALE PIPE 2 - MALE JIC</p>	<p>2706 MP - MJ BULKHEAD STRAIGHT</p>  <p>1 - MALE PIPE 2 - MALE JIC</p>	<p>304 - C JIC CAP NUT</p>  <p>1 - JIC CAP NUT</p>	<p>306 - LN BULKHEAD LOCK NUT</p>  <p>1 - BULKHEAD LOCK NUT</p>	<p>318 JIC TUBE NUT</p>  <p>1 - JIC TUBE NUT</p>
<p>319 JIC TUBE SLEEVE</p>  <p>1 - JIC TUBE SLEEVE</p>	<p>3474 MAORB - ORB STRAIGHT</p>  <p>1 - MALE ADJUSTABLE O - RING BOSS 2 - O - RING BOSS</p>	<p>5000 FP - FP STRAIGHT</p>  <p>1 - FEMALE PIPE 2 - FEMALE PIPE</p>	<p>5404 MP - MP HEX NIPPLE</p>  <p>1 - MALE PIPE 2 - MALE PIPE HEX NIPPLE</p>	<p>5405 MP - FP STRAIGHT EXPANDER</p>  <p>1 - MALE PIPE 2 - FEMALE PIPE</p>
<p>5406 MP - FP REDUCER BUSHING</p>  <p>1 - MALE PIPE 2 - FEMALE PIPE</p>	<p>5406 - C PIPE CUP</p>  <p>1 - PIPE CUP</p>	<p>5406 - P EXTERNAL HEX PIPE PLUG</p>  <p>1 - EXTERNAL HEX PIPE PLUG</p>	<p>5500 MP - MP 90°</p>  <p>1 - MALE PIPE 2 - MALE PIPE 90°</p>	<p>5502 MP - FP 90° STREET ELBOW</p>  <p>1 - MALE PIPE 2 - FEMALE PIPE 90°</p>
<p>5503 MP - FP 45° STREET ELBOW</p>  <p>1 - MALE PIPE 2 - FEMALE PIPE 45°</p>	<p>5504 FP - FP 90° ELBOW</p>  <p>1 - FEMALE PIPE 2 - FEMALE PIPE 90°</p>	<p>5600 MP - MP - MP TEE</p>  <p>1 - MALE PIPE 2 - MALE PIPE 3 - MALE PIPE</p>	<p>5602 MP - FP - FP STREET TEE</p>  <p>1 - MALE PIPE 2 - FEMALE PIPE 3 - FEMALE PIPE</p>	<p>5604 FP - FP - MP BRANCH TEE</p>  <p>1 - FEMALE PIPE 2 - FEMALE PIPE 3 - MALE PIPE</p>

SHF STAINLESS ADAPTERS

Tube - Pipe - Adjustable & O - Ring - Adapter Union Fittings

<p>5605 FP - FP - FP TEE</p>  <p>1 - FEMALE PIPE 2 - FEMALE PIPE 3 - FEMALE PIPE</p>	<p>5605 HIGH PRESSURE FP - FP - FP TEE</p>  <p>1 - FEMALE PIPE 2 - FEMALE PIPE 3 - FEMALE PIPE</p>	<p>5652 FP - FP - FP - FP CROSS</p>  <p>1 - FEMALE PIPE 2 - FEMALE PIPE 3 - FEMALE PIPE 4 - FEMALE PIPE</p>	<p>6400 MJ - MORB STRAIGHT</p>  <p>1 - MALE JIC 2 - MALE O - RING BOSS</p>	<p>6401 MORB - MP STRAIGHT</p>  <p>1 - MALE O - RING BOSS 2 - MALE PIPE</p>
<p>6402 MORB - FJS STRAIGHT</p>  <p>1 - MALE O - RING BOSS 2 - FEMALE JIC SWIVEL</p>	<p>6404 FORB - MP STRAIGHT</p>  <p>1 - FEMALE O - RING BOSS 2 - MALE PIPE</p>	<p>6405 MORB - FP STRAIGHT</p>  <p>1 - MALE O - RING BOSS 2 - FEMALE PIPE</p>	<p>6408 MORB EXTERNAL HEX PLUG</p>  <p>1 - MALE O - RING BOSS EXTERNAL HEX PLUG</p>	<p>6408 - HH MORB HOLLOW HEX PLUG</p>  <p>1 - MALE O - RING BOSS HOLLOW HEX PLUG</p>
<p>6410 MORB - FORB STRAIGHT REDUCER</p>  <p>1 - MALE O - RING BOSS 2 - FEMALE O - RING BOSS</p>	<p>6464 MORB - MORB STRAIGHT</p>  <p>1 - MALE O - RING BOSS 2 - MALE O - RING BOSS</p>	<p>6500 MJ - FJS 90°</p>  <p>1 - MALE JIC 2 - FEMALE JIC SWIVEL 90°</p>	<p>6501 MP - FJS 90°</p>  <p>1 - MALE PIPE 2 - FEMALE JIC SWIVEL 90°</p>	<p>6502 MJ - FJS 45°</p>  <p>1 - MALE JIC 2 - FEMALE JIC SWIVEL 45°</p>
<p>6504 MJ - FJS STRAIGHT</p>  <p>1 - MALE JIC 2 - FEMALE JIC SWIVEL</p>	<p>6505 MP - FJS STRAIGHT</p>  <p>1 - MALE PIPE 2 - FEMALE JIC SWIVEL</p>	<p>6506 FP - FJS STRAIGHT</p>  <p>1 - FEMALE PIPE 2 - FEMALE JIC SWIVEL</p>	<p>6565 FJS - FJS STRAIGHT</p>  <p>1 - FEMALE JIC SWIVEL 2 - FEMALE JIC SWIVEL</p>	<p>6600 MJ - MJ - FJS TEE</p>  <p>1 - MALE JIC 2 - MALE JIC 3 - FEMALE JIC SWIVEL</p>
<p>6602 MJ - FJS - MJ TEE</p>  <p>1 - MALE JIC 2 - FEMALE JIC SWIVEL 3 - MALE JIC</p>	<p>6801 MJ - MAORB 90°</p>  <p>1 - MALE JIC 2 - MALE ADJUSTABLE O - RING BOSS 90°</p>	<p>6802 MJ - MAORB 45°</p>  <p>1 - MALE JIC 2 - MALE ADJUSTABLE O - RING BOSS 45°</p>	<p>6803 MJ - MJ - MAORB BRANCH TEE</p>  <p>1 - MALE JIC 2 - MALE JIC 3 - MALE ADJUSTABLE O - RING BOSS</p>	<p>6804 MJ - MAORB - MJ RUN TEE</p>  <p>1 - MALE JIC 2 - MALE ADJUSTABLE O - RING BOSS 3 - MALE JIC</p>

SHF MISCELLANEOUS



STAINLESS STEEL FLARESAVER SEALS FOR MJIC 37°

PART NO
FS-04-04
FS-06-06
FS-08-08
FS10-10
FS12-12
FS16-16
FS20-20
FS24-24
FS32-32



Includes nuts,
bolts & o-ring

CODE 61 SPLIT FLANGE KIT LIGHT

PART NO.	FLANGE SIZE
LSF-08	.50
LSF-12	.75
LSF-16	1.00
LSF-20	1.25
LSF-24	1.50
LSF-32	2.00

CODE 62 SPLIT FLANGE KIT HEAVY

PART NO.	FLANGE SIZE
HSF-08	.50
HSF-12	.75
HSF-16	1.00
HSF-20	1.25
HSF-24	1.50
HSF-32	2.00



LIFESAVER

CRIMP ON X COUNTERBORE FOR TUBING
AVAILABLE IN ALL SERIES & SIZES
CALL FOR PRICING & AVAILABILITY

STAINLESS STEEL TAPE, SEALANT & LUBRICANT

Bonded Seals
Thread Seal Tape
Thread Sealant
Anti-Galling Lubricant

ALSO AVAILABLE



STAINLESS STEEL NEEDLE VALVES

STRAIGHT & ANGLE PATTERNS
SIZES 1/4" THRU 1"



CUSTOM ENGRAVING / MARKING AVAILABLE

ON MOST FITTINGS



TOE NIPPLES - (EXOTIC METALS)

SIZES 1/4" THRU 2"



45° & 90° BENT TUBING:

SIZES 1/4" THRU 2"



CUSTOM FABRICATION:

CRIMP FITTINGS
ADAPTERS
WELD - ONS



STAINLESS STEEL FITTINGS COMPRESSION / INSTRUMENTATION FITTINGS

TECHNICAL DATA

BRITISH STANDARD PIPE - BSPP (BSPP PARALLEL & BSPT TAPERED)

DASH SIZE	INCH SIZE	THREAD	MALE THREAD O.D. mm	MALE THREAD O.D. inches	FEMALE THREAD I.D. mm	FEMALE THREAD I.D. inches
2	1/8	1/8 - 28	10.3	.41	9.4	.37
4	1/4	1/4 - 19	13.7	.54	12.4	.49
6	3/8	3/8 - 19	17.3	.68	15.7	.62
8	1/2	1/2 - 14	21.3	.84	19.3	.76
10	5/8	5/8 - 14	22.9	.90	21.1	.83
12	3/4	3/4 - 14	26.9	1.06	24.9	.98
16	1	1 - 11	33.3	1.31	31.5	1.24
20	1 1/4	1 1/4 - 11	42.2	1.66	40.1	1.58
24	1 1/2	1 1/2 - 11	48.3	1.90	46.2	1.82
32	2	2 - 11	60.4	2.38	57.9	2.29

AMERICAN DRYSEAL PIPE THREADS (NPTF & NPSM)

DASH SIZE	INCH SIZE	THREAD	MALE THREAD O.D. mm	MALE THREAD O.D. inches	FEMALE THREAD I.D. mm	FEMALE THREAD I.D. inches
2	1/8	1/8 - 27	10.3	.41	9.4	.37
4	1/4	1/4 - 18	13.7	.54	12.4	.49
6	3/8	3/8 - 18	17.3	.68	15.7	.62
8	1/2	1/2 - 14	21.3	.84	19.3	.76
12	3/4	3/4 - 14	26.9	1.06	24.9	.98
16	1	1 - 11 1/2	33.3	1.31	31.5	1.24
20	1 1/4	1 1/4 - 11 1/2	42.2	1.66	40.1	1.58
24	1 1/2	1 1/2 - 11	48.3	1.90	46.2	1.82
32	2	2 - 11 1/2	60.4	2.38	57.9	2.29

TECHNICAL DATA

SAE CODE 61: 4 BOLT FLANGES

DASH SIZE	INCH SIZE	BOLT SIZE	FLANGE O.D.		BOLT SPACING		BOLT SPACING		CODE 61 MAX WORKING PRESSURE PSI
			"F" ± .010		"A" ± .010		"B" ± .010		
			mm	inches	mm	inches	mm	inches	
8	1/2	5/16 - 18 X 1 1/4	30.2	1.19	38.1	1.50	17.5	.69	5,000
12	3/4	3/8 - 16 X 1 1/4	38.1	1.50	47.6	1.88	22.4	.88	5,000
16	1	3/8 - 16 X 1 1/4	44.4	1.75	52.4	2.06	26.2	1.03	5,000
20	1 1/4	7/16 - 14 X 1 1/2	50.8	2.00	58.7	2.31	30.2	1.19	4,000
24	1 1/2	1/2 - 13 X 1 1/2	60.3	2.38	69.8	2.75	35.8	1.41	3,000
32	2	1/2 - 13 X 1 3/4	71.4	2.81	77.8	3.06	42.9	1.69	3,000
40	2 1/2	1/2 - 13 X 1 3/4	84.1	3.31	88.9	3.50	50.8	2.00	2,500
48	3	5/8 - 11 X 1 3/4	101.6	4.00	106.4	4.19	62.0	2.44	2,000

SAE CODE 62: 4 BOLT FLANGES

DASH SIZE	INCH SIZE	BOLT SIZE	FLANGE O.D.		BOLT SPACING		BOLT SPACING		CODE 62 MAX WORKING PRESSURE PSI
			"F" ± .010		"A" ± .010		"B" ± .010		
			mm	inches	mm	inches	mm	inches	
8	1/2	5/16 - 18 X 1 1/4	31.7	1.25	40.5	1.59	18.3	.72	6,000
12	3/4	3/8 - 16 X 1 1/2	41.3	1.63	50.8	2.00	23.9	.94	6,000
16	1	7/16 - 14 X 1 3/4	47.6	1.88	57.1	2.25	27.7	1.09	6,000
20	1 1/4	1/2 - 13 X 1 3/4	54.0	2.13	66.7	2.63	31.8	1.09	6,000
24	1 1/2	5/8 - 11 X 2 1/4	63.5	2.50	79.4	3.13	36.6	1.44	6,000
32	2	3/4 - 10 X 2 3/4	79.4	3.13	96.8	3.81	44.5	1.75	6,000

TECHNICAL DATA

SAE J1453 O - RING FACE SEAL (OFS)

DASH SIZE	INCH SIZE	THREAD	MALE THREAD O.D. mm	MALE THREAD O.D. inches	FEMALE THREAD I.D. mm	FEMALE THREAD I.D. inches
4	1/4	9/16 - 18	14.2	.56	12.9	.51
6	3/8	11/16 - 16	17.3	.68	16.0	.63
8	1/2	13/16 - 16	20.6	.81	19.0	.75
10	5/8	1 - 14	25.4	1.00	23.6	.93
12	3/4	1 13/16 - 12	30.0	1.88	27.8	1.10
16	1	1 7/16 - 12	36.6	1.44	34.5	1.36
20	1 1/4	1 11/16 - 12	42.7	1.68	40.6	1.60
24	1 1/2	2 - 12	50.8	2.00	48.8	1.92

METRIC THREADS (LIGHT & HEAVY)

TUBE SIZE LIGHT	TREAD SIZE	TUBE SIZE HEAVY	TREAD SIZE
06L	M 12 X 1.5	06S	M 14 X 1.5
08L	M 14 X 1.5	08S	M 16 X 1.5
10L	M 16 X 1.5	10S	M 18 X 1.5
12L	M 18 X 1.5	12S	M 20 X 1.5
15L	M 22 X 1.5	14S	M 22 X 1.5
18L	M 26 X 1.5	16S	M 24 X 1.5
22L	M 30 X 2.0	20S	M 30 X 2.0
28L	M 36 X 2.0	25S	M 36 X 2.0
35L	M 45 X 2.0	30S	M 42 X 2.0
42L	M 52 X 2.0	38S	M 52 X 2.0

SAE J514 STRAIGHT THREAD O - RING BOSS

DASH SIZE	INCH SIZE	THREAD	MALE THREAD O.D. mm	MALE THREAD O.D. inches	FEMALE THREAD I.D. mm	FEMALE THREAD I.D. inches
2	1/8	5/16 - 24	7.9	.31	6.9	.27
3	3/16	3/8 - 24	9.6	.38	8.6	.34
4	1/4	7/16 - 20	11.2	.44	9.9	.39
5	5/16	1/2 - 20	12.7	.50	11.4	.45
6	3/8	9/16 - 18	14.2	.56	12.9	.51
8	1/2	3/4 - 16	19.0	.75	17.0	.67
10	5/8	7/8 - 14	22.3	.88	20.3	.80
12	3/4	1 1/16 - 12	26.9	1.06	24.9	.98
14	7/8	1 3/16 - 12	30.3	1.18	27.7	1.09
16	1	1 5/16 - 12	33.3	1.31	31.0	1.22
20	1 1/4	1 5/8 - 12	41.4	1.63	39.1	1.54
24	1 1/2	1 7/8 - 12	47.7	1.88	45.5	1.79
32	2	2 1/2 - 12	63.5	2.50	61.2	2.41

SAE J514 37° JIC FLARE

DASH SIZE	INCH SIZE	THREAD	MALE THREAD O.D. mm	MALE THREAD O.D. inches	FEMALE THREAD I.D. mm	FEMALE THREAD I.D. inches
2	1/8	5/16 - 24*	7.9	.31	6.9	.27
3	3/16	3/8 - 24*	9.6	.38	8.6	.34
4	1/4	7/16 - 20*	11.2	.44	9.9	.39
5	5/16	1/2 - 20*	12.7	.50	11.4	.45
6	3/8	9/16 - 18	14.2	.56	12.9	.51
8	1/2	3/4 - 16*	19.0	.75	17.0	.67
10	5/8	7/8 - 14*	22.3	.88	20.3	.80
12	3/4	1 1/16 - 12	26.9	1.06	24.9	.98
14	7/8	1 3/16 - 12	30.3	1.18	27.7	1.09
16	1	1 5/16 - 12	33.3	1.31	31.0	1.22
20	1 1/4	1 5/8 - 12	41.4	1.63	39.1	1.54
24	1 1/2	1 7/8 - 12	47.7	1.88	45.5	1.79
32	2	2 1/2 - 12	63.5	2.50	61.2	2.41

RECOMMENDED ASSEMBLY TORQUE Parallel Connection

SAE 37° (JIC)

DASH SIZE	TREAD SIZE inches	SWIVEL NUT TORQUE	
		FT. / LBS.	NEWTON METERS
04	7/16 - 20	11 - 12	15 - 16
05	1/2 - 20	15 - 16	20 - 22
06	9/16 - 18	18 - 20	24 - 28
08	3/4 - 16	38 - 42	52 - 58
10	7/8 - 14	57 - 62	77 - 85
12	1 1/16 - 12	79 - 87	108 - 119
16	1 5/16 - 12	108 - 113	148 - 154
20	1 5/8 - 12	127 - 133	173 - 182
24	1 7/8 - 12	158 - 167	216 - 227
32	2 1/2 - 12	245 - 258	334 - 352

TORQUE CONVERSION EQUIVALENTS LB. / IN. - LB. / FT. - NEWTON METER

LB./FT. X 12 = LB./IN.

LB./FT. X 1.356 = NEWTON METER

NEWTON METER X 8.850 = LB./IN.

NEWTON METER X 0.737 = LB./FT.

LB./IN. X .083 = LB./FT.

LB./IN. X 0.113 = NEWTON METER

TECHNICAL DATA

RECOMMENDED ASSEMBLY TORQUE Parallel Connection

METRIC

TREAD SIZE mm	STRAIGHT ADAPTER / LOCKNUT TORQUE	
	FT. / LBS.	NEWTON METERS
M 10 X 1	13 - 15	18 - 20
M 12 X 1.5	15 - 19	20 - 25
M 14 X 1.5	19 - 23	25 - 30
M 16 X 1.5	33 - 40	45 - 55
M 18 X 1.5	37 - 44	50 - 60
M 20 X 1.5	52 - 66	70 - 90
M 22 X 1.5	55 - 70	75 - 95
M 26 X 1.5	81 - 96	110 - 130
M 27 X 2	96 - 111	130 - 150
M 33 X 2	162 - 184	220 - 250
M 42 X 2	170 - 192	230 - 260
M 48 X 2	258 - 347	350 - 470

BSPP

DASH SIZE	NOMINAL TREAD SIZE inches	STRAIGHT ADAPTER / LOCKNUT TORQUE	
		FT. / LBS.	NEWTON METERS
2	1/8 - 28	13 - 15	18 - 20
4	1/4 - 19	19 - 23	25 - 30
6	3/8 - 19	33 - 40	45 - 55
8	1/2 - 14	55 - 70	75 - 95
12	3/8 - 14	103 - 118	140 - 160
16	1 - 11	162 - 184	220 - 250
20	1 1/4 - 11	170 - 192	230 - 260
24	1 1/2 - 11	258 - 347	350 - 470

TECHNICAL DATA

RECOMMENDED ASSEMBLY TORQUE Parallel Connection

OFT (O - RING FACE SEAL)

DASH SIZE	TREAD SIZE inches	SWIVEL NUT TORQUE	
		FT. / LBS.	NEWTON METERS
04	9/16 - 18	10 - 12	14 - 16
06	11/16 - 16	18 - 20	24 - 27
08	13/16 - 16	32 - 35	43 - 47
10	1 - 14	46 - 50	62 - 68
12	1 3/16 - 12	65 - 70	88 - 95
16	1 7/16 - 12	92 - 100	125 - 136
20	1 11/16 - 12	125 - 140	170 - 190
24	2 - 12	150 - 165	204 - 224

STRAIGHT THREAD O - RING BOSS

DASH SIZE	TREAD SIZE inches	JAM NUT / STRAIGHT FITTING TORQUE	
		FT. / LBS.	NEWTON METERS
03	3/8 - 24	8 - 10	11 - 13
04	7/16 - 20	14 - 16	20 - 22
05	1/2 - 20	18 - 20	24 - 27
06	9/16 - 18	24 - 26	33 - 35
08	3/4 - 16	50 - 60	68 - 78
10	7/8 - 14	72 - 80	98 - 110
12	1 1/16 - 12	125 - 135	170 - 183
14	1 3/16 - 12	160 - 180	215 - 245
16	1 5/16 - 12	200 - 220	270 - 300
20	1 5/8 - 12	210 - 280	285 - 380
24	1 7/8 - 12	270 - 360	370 - 490

MILLIMETERS - FRACTIONS - DECIMALS

MM	INCHES		MM	INCHES		MM	INCHES		MM	INCHES	
	FRACTION	DECIMAL		FRACTION	DECIMAL		FRACTION	DECIMAL		FRACTION	DECIMAL
0.3969	1/64	0.0156	6.7469	17/64	0.2656	13.0969	33/64	0.5156	19.4469	49/64	0.7656
0.7938	1/32	0.0312	7.1438	9/32	0.2812	13.4938	17/32	0.5312	19.8438	25/32	0.7812
1.1906	3/64	0.0468	7.5406	19/64	0.2968	13.8906	35/64	0.5468	20.2406	51/64	0.7968
1.5875	1/16	0.0625	7.9375	5/16	0.3125	14.2875	9/16	0.5625	20.2375	13/16	0.8125
1.9844	5/64	0.0781	8.3344	21/64	0.3281	14.6844	37/64	0.5781	21.0344	53/64	0.8281
2.3812	3/32	0.0937	8.7312	11/32	0.3437	15.0812	19/32	0.5937	21.4312	27/32	0.8437
2.7781	7/64	0.1093	9.1281	23/64	0.3593	15.4781	39/64	0.6093	21.8281	55/64	0.8593
3.1750	1/8	0.1250	9.5250	13/32	0.3750	15.8750	5/8	0.6250	22.2250	7/8	0.8750
3.5719	9/64	0.1406	9.9219	27/64	0.3906	16.2719	41/64	0.6406	22.6219	57/64	0.8906
3.9688	5/32	0.1562	10.3188	7/16	0.4062	16.6688	21/32	0.6562	23.0188	29/32	0.9062
4.3656	11/64	0.1718	10.7156	29/64	0.4218	17.0656	43/64	0.6718	23.4156	59/64	0.9218
4.7625	3/16	0.1875	11.1125	15/32	0.4375	17.4625	11/16	0.6875	23.8125	15/16	0.9375
5.1594	13/64	0.2031	11.5094	29/64	0.4531	17.8594	45/64	0.7031	24.2094	61/64	0.9531
5.5562	7/32	0.2187	11.9062	15/32	0.4687	18.2562	23/32	0.7187	24.6062	31/32	0.9687
5.9531	15/64	0.2343	12.3031	31/64	0.4843	18.6531	47/64	0.7343	25.0031	63/64	0.9843
6.3500	1/4	0.2500	12.7000	1/2	0.5000	19.0500	3/4	0.7500	25.4000	1	1.0000

METRIC - ENGLISH EQUIVALENTS ENGLISH - METRIC EQUIVALENTS

INCHES (IN.) X 25.4 = MILLIMETERS (mm)

INCHES (IN.) X 2.54 = CENTIMETERS (cm)

FEET (FT.) X .3048 = METERS (m)

YARD (YD.) X .9144 = METERS (m)

PSI X .0689 = BAR

PSI X .0069 = MEGAPASCALS (MPa)

PSI X .0703 = KILOGRAM FORCE PER SQUARE CENTIMETER (Kgf/cm²)

POUNDS FORCE (LBF) X 4.448 = NEWTONS (N)

POUND · INCH (LB. · IN.) X .113 = NEWTON · METERS (N · m)

POUND · FOOT (LB. · FT.) X 1.356 = NEWTON · METERS (N · m)

MILLIMETER (mm) X 0.394 = INCH (IN.)

CENTIMETER (cm) X .3937 = INCH (IN.)

NEWTON METER X 0.737 = LB./FT.

METER (m) X 3.281 = FEET (FT.)

METER (m) X 1.0936 = YARD (YD.)

BAR X 14.5 = PSI

MEGAPASCALS (MPa) X 145.0 = PSI

KILOGRAM FORCE PER SQUARE CENTIMETER (Kgf/cm²) X 14.22 = PSI

NEWTONS (N) X .2248 = POUNDS FORCE (LBF)

NEWTON · METER (N · m) X 8.850 = POUND · INCHES (LB. · IN.)

NEWTON · METER (N · m) X .737 = POUND · FOOT (LB. · FT.)

- WARRANTY -

Stainless Hose Fittings warrants that its products shall be free from defects in materials and workmanship when properly used and applied under normal conditions. Our liability on proven defective material is expressly limited to the original net purchase price, less service received on a pro-rated basis, or at the option of Stainless Hose Fittings the replacement of such item, upon its authorized return.

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