



PRODUCT GUIDE

FLUID POWER ADAPTORS

2010



Profile

Alfa Engineering is an engineering based company with expertise in design and manufacture of hydraulic adaptors.

Established in 1976 when **Alan** and **Fay** Stockdale registered **Alfa** Engineering Pty. Ltd. and commenced manufacturing hydraulic adaptors, catering for the hydraulic industry.



Alfa Engineering specializes in producing and supplying high quality hydraulic adaptors using modern CNC machines and manufacturing processes.

Alfa Engineering works with DIN, ISO, SAE standards and uses NATA certified testing for products outside these standards.

All manufactured items are laser engraved with part number and batch number for identification and traceability.

This Product Guide is the culmination of market demand and customer comment that leads our products on a continuous evolution to meet market requirements and specifications.

We encourage users to continue working with us to provide the best product solutions for the hydraulic industry.

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TERMS & CONDITIONS OF SALE

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All trading is made on the distinct understanding that the following provisions apply to all orders given to, and accepted by Alfa Engineering.

Alfa Engineering reserve the right to alter prices and specifications, or to discontinue any items listed in this catalogue without notice.

PRICES:

All prices are net and no discounts are allowable unless otherwise stated. Prices are quoted ex works and are based upon costs ruling at the date of the quotation and the price is subject to fair adjustment by the Company to take into account any alteration in such costs prior to delivery of the goods or (in the case of delivery by instalments) to the final delivery.

In the instance where customers price an order, it is the customers responsibility to ensure pricing matches the current Product Guide pricing.

GOODS & SERVICES TAX (GST):

Prices quoted exclude the Goods & Services Tax (GST) and revenue duties of all kinds will be to the purchasers account.

PAYMENT:

Where a credit account is established with Alfa Engineering, terms are net thirty (30) days from date of invoice unless mutually agreed in writing.

DELIVERY:

Delivery is quoted ex works and every endeavour is made to ensure this delivery is met. However, Alfa does not accept responsibility for delays, or liability for penalties due to late delivery.

VALIDITY:

Quotations are valid for a period of thirty (30) days from the date of quotation and thereafter are subject to confirmation before Alfa's acceptance of the order.

WARRANTY:

Alfa products are guaranteed for a period of six (6) months, from date of invoice, against faulty workmanship or materials. It is limited to the value of the Alfa product in question and allows for the repair or replacement of the product at the discretion of Alfa.

Warranty is conditional on items:

- Being applied and used within the specifications, as stated.
- Not being subjected to treatment considered by Alfa, to be outside normal fair wear and tear.
- Being returned carriage paid with all expenses incurred in removing and refitting the part borne by the purchaser.

DESIGN:

Where the goods are manufactured to the design or specification of the Purchaser, the Purchaser warrants that such goods do not infringe any patent registered design, or other like protection, or the provision of any statute statutory instrument or regulation for the time being in force.

PERFORMANCE AND REPRESENTATIONS:

Any figures or estimates given for the performance of goods are based upon the Company's experience and are such as the Company would expect to obtain on test. But the Company will only accept liability for failure to obtain the figures or estimates given when such figures or estimates are guaranteed in writing within specified margins.

"Pressure Ratings for Hydraulic Fittings - Pipes and Tubing". Refer to Section - R of this product guide.

"Material Specifications". Refer to Section - R of this product guide.

SUB-CONTRACTING:

The Company reserves the right to sub-contract the manufacture and/or supply on any part of the goods quoted or on any materials or services to be supplied.

RETURNS:

Goods can only be accepted for credit under the following conditions:

- That the period from date of delivery to date of return does not exceed 120 days.
- That they are returned at the customers expense and are in a "AS NEW" condition and will be subject to a 10% surcharge.
- Stating Alfa's invoice number.
- No claims for quantity variations or transport instructions will be considered unless advised in writing within 14 days of Invoice date.
- Unless by written arrangement all goods manufactured to a customer's specifications are not returnable for credit.

BRAND NAMES:

Brand Names if mentioned, are for descriptive purposes only and remain the property of their respective owners. Their mention does not imply endorsement by, or association with the owner companies.

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FLANGES & INSERTS SAE-CODE 61

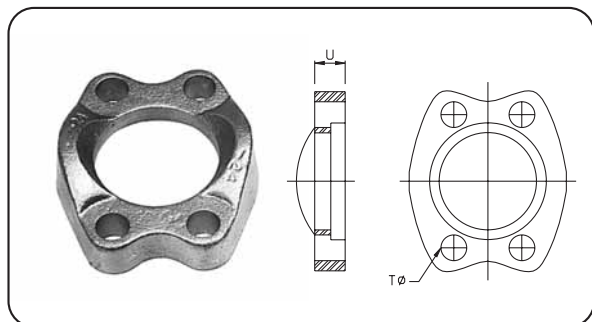


FLANGES & INSERTS SAE-CODE 61

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FLANGE 61 (ONE PIECE)



Order Code Examples:

A1F-16 Mtg Clearance Holes

A1F-16V Mtg Tapped UNC

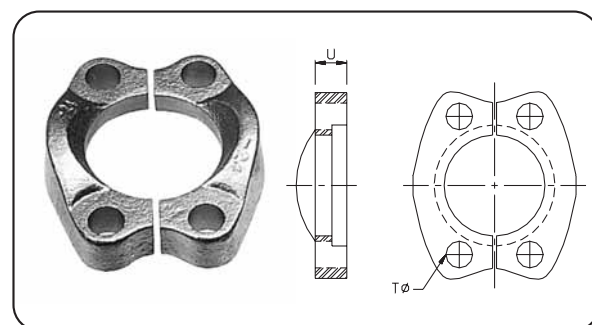
A1F-16VM Mtg Tapped Metric (Not standard)

Flange Specifications: [Reference Tables, page 193](#)

Stainless (316L) Change 1st Letter from A to S

Part Number	R.R. Price	SAE A	U	T - Ø	V - Thrd UNC	V - Thrd Metric	Nom Unit Weight
A1F-08		1/2	15	8.7	5/16	8	0.12
A1F-12		3/4	17	10.3	3/8	10	0.18
A1F-16		1	19	10.3	3/8	10	0.21
A1F-20		1 1/4	17	11.9	7/16	10	0.28
A1F-24		1 1/2	19	13.5	1/2	12	0.38
A1F-32		2	20	13.5	1/2	12	0.50
A1F-40		2 1/2	26	13.5	1/2	12	0.80
A1F-48		3	29	16.7	5/8	16	1.19
A1F-56		3 1/2	24	16.7	5/8	16	1.63
A1F-64		4	29	16.7	5/8	16	1.66
A1F-80		5	33	16.7	5/8	16	3.31

FLANGE 61 SPLIT (PAIR)



Order Code Examples:

A1FS-16 Mtg Clearance Holes

A1FS-16V Mtg Tapped UNC

A1FS-16VM Mtg Tapped Metric (Not standard)

Flange Specifications: [Reference Tables, page 193](#)

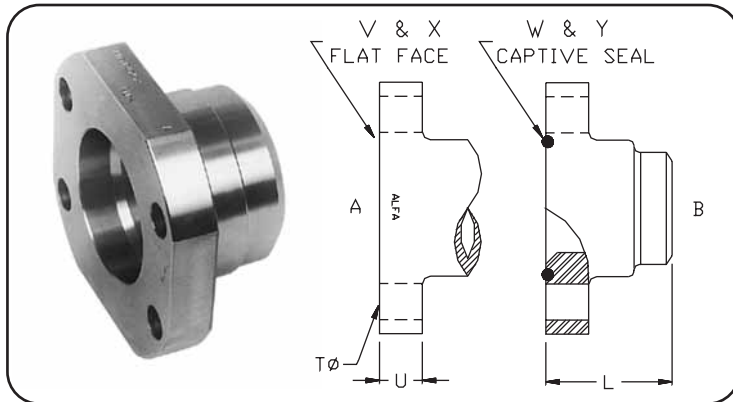
Stainless (316L) Change 1st Letter from A to S

Part Number	R.R. Price	SAE A	U	T - Ø	V - Thrd UNC	V - Thrd Metric	Nom Unit Weight
A1FS-08		1/2	15	8.7	5/16	8	0.12
A1FS-12		3/4	17	10.3	3/8	10	0.18
A1FS-16		1	19	10.3	3/8	10	0.21
A1FS-20		1 1/4	17	11.9	7/16	10	0.28
A1FS-24		1 1/2	19	13.5	1/2	12	0.38
A1FS-32		2	20	13.5	1/2	12	0.50
A1FS-40		2 1/2	26	13.5	1/2	12	0.80
A1FS-48		3	29	16.7	5/8	16	1.19
A1FS-56		3 1/2	24	16.7	5/8	16	1.63
A1FS-64		4	29	16.7	5/8	16	1.66

FLANGES & INSERTS SAE-CODE 61



FLANGE 61 X BUTT WELD PIPE (ONE PIECE)



ORDER CODE EXAMPLE:

A1F#P3224?

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

- 2 = Pipe Schedule ([Reference Tables, page 202](#))
- D = Sched 40
- H = Sched 80
- P = Sched 160

For Metric Mtgs add M to Part No

e.g. A1FVP3224HM (Not standard)

Part Number	R.R. Price	SAE A	Pipe B	Pipe - Ø B	L	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Mat Grade or Equiv.	Availability
A1F#P0808?		1/2	1/2	21.3	42	13	5/16	8.7	A9SS08	AS1442/1020	V,X,Y
A1F#P1208?		3/4	1/2	21.3	45	14	3/8	10.3	A9SS12	AS1442/1020	V,X,Y
A1F#P1212?		3/4	3/4	26.7	45	14	3/8	10.3	A9SS12	AS1442/1020	V,X,Y
A1F#P1216?		3/4	1	33.4	46	14	3/8	10.3	A9SS12	AS1442/1020	V,X,Y
A1F#P1612?		1	3/4	26.7	47	16	3/8	10.3	A9SS16	AS1442/1020	V,X,Y
A1F#P1616?		1	1	33.4	48	16	3/8	10.3	A9SS16	AS1442/1020	V,X,Y
A1F#P1620?		1	1 1/4	42.2	48	16	3/8	10.3	A9SS16	AS1442/1020	V,X,Y
A1F#P2016?		1 1/4	1	33.4	47	14	7/16	11.9	A9SS20	AS1442/1020	V,X,Y
A1F#P2020?		1 1/4	1 1/4	42.2	47	14	7/16	11.9	A9SS20	AS1442/1020	V,X,Y
A1F#P2024?		1 1/4	1 1/2	48.3	47	14	7/16	11.9	A9SS20	AS1442/1020	V,X,Y
A1F#P2420?		1 1/2	1 1/4	42.2	51	16	1/2	13.5	A9SS24	AS1442/1020	V,X,Y
A1F#P2424?		1 1/2	1 1/2	48.3	51	16	1/2	13.5	A9SS24	AS1442/1020	V,X,Y
A1F#P2432?		1 1/2	2	60.3	52	16	1/2	13.5	A9SS24	AS1442/1020	V
A1F#P3224?		2	1 1/2	48.3	51	16	1/2	13.5	A9SS32	AS1442/1020	V,X,Y
A1F#P3232?		2	2	60.3	52	16	1/2	13.5	A9SS32	AS1442/1020	V,X,Y
A1F#P3240?		2	2 1/2	73	53	16	1/2	13.5	A9SS32	AS1442/1020	V
A1F#P4032?		2 1/2	2	60.3	55	19	1/2	13.5	A9SS40	AS1442/1020	V,X,Y
A1F#P4040?		2 1/2	2 1/2	73	56	19	1/2	13.5	A9SS40	AS1442/1020	V,X,Y
A1F#P4048?		2 1/2	3	88.9	57	19	1/2	13.5	A9SS40	AS1442/1020	V
A1F#P4832?		3	2	60.3	61	22	5/8	16.7	A9SS48	AS1442/1020	V,X,Y
A1F#P4840?		3	2 1/2	73	62	22	5/8	16.7	A9SS48	AS1442/1020	V,X,Y
A1F#P4848?		3	3	88.9	63	22	5/8	16.7	A9SS48	AS1442/1020	V,X,Y
A1F#P5648?		3 1/2	3	88.9	63	22	5/8	16.7	A9SS56	AS1442/1020	V,X,Y
A1F#P5656?		3 1/2	3 1/2	101.6	63	22	5/8	16.7	A9SS56	AS1442/1020	V,X,Y
A1F#P6448?		4	3	88.9	66	25	5/8	16.7	A9SS64	AS1442/1020	V,X,Y
A1F#P6464?		4	4	114.3	67	25	5/8	16.7	A9SS64	AS1442/1020	V,X,Y
A1F#P8064?		5	4	114.3	70	28	5/8	16.7	A9SS80	AS1442/1020	V,X,Y
A1F#P8080?		5	5	141.3	71	28	5/8	16.7	A9SS80	AS1442/1020	V,X,Y

Note:

1. Length L stated for Sched 80 (H) with weld prep. @ 45 deg.
2. Lengths for other pipe schedules vary by the difference of weld prep.

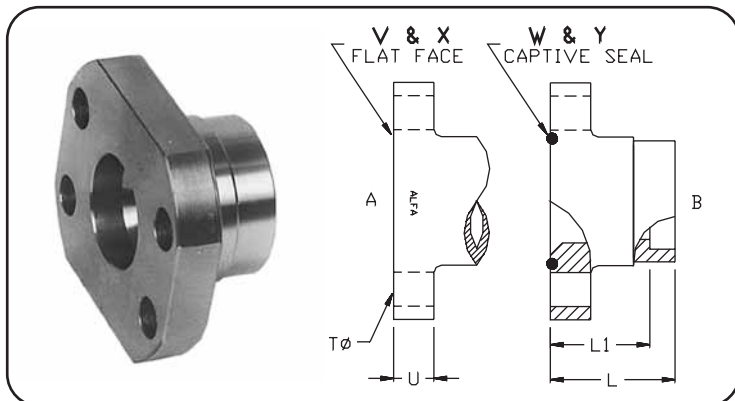
Note:

1. Flange Specifications: [Reference Tables, page 193](#)
2. Pipe Specifications: [Reference Tables, page 202](#)

Stainless (316L) Change 1st Letter from A to S.

FLANGE 61 X SOCKET WELD PIPE (ONE PIECE)

1



ORDER CODE EXAMPLE:

A1F#PS3224?

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes
- 2 = C or F
- C = Series 3,000 lbs = Sched 80 (Socket Weld)
- F = Series 6,000 lbs = Sched 160 (Socket Weld)

For Metric Mtgs add M to Part No

e.g. A1FVPS3224CM (Not standard)

Part Number	R.R. Price	SAE A	Pipe B	Pipe - Ø B	L	L1	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Mat Grade or Equiv. AS1442/1020	C - 3000lbs Availability	F - 6000lbs Availability
A1F#PS0808?		1/2	1/2	21.3	39	29	13	5/16	8	A9SS08	AS1442/1020	V	V
A1F#PS1212?		3/4	3/4	26.7	42	29	14	3/8	10.3	A9SS12	AS1442/1020	V,X,Y	V
A1F#PS1612?		1	3/4	26.7	44	31	16	3/8	10.3	A9SS16	AS1442/1020	V,X,Y	V
A1F#PS1616?		1	1	33.4	44	31	16	3/8	10.3	A9SS16	AS1442/1020	V	V
A1F#PS2016?		1 1/4	1	33.4	43	30	14	7/16	11.9	A9SS20	AS1442/1020	V,X,Y	V,X,Y
A1F#PS2020?		1 1/4	1 1/4	42.2	43	30	14	7/16	11.9	A9SS20	AS1442/1020	V	
A1F#PS2420?		1 1/2	1 1/4	42.2	47	34	16	1/2	13.5	A9SS24	AS1442/1020	V,X,Y	V
A1F#PS2424?		1 1/2	1 1/2	48.3	47	34	16	1/2	13.5	A9SS24	AS1442/1020	V	V
A1F#PS3224?		2	1 1/2	48.3	47	34	16	1/2	13.5	A9SS32	AS1442/1020	V,X,Y	V,X,Y
A1F#PS3232?		2	2	60.3	47	31	16	1/2	13.5	A9SS32	AS1442/1020	V	
A1F#PS4032?		2 1/2	2	60.3	50	34	19	1/2	13.5	A9SS40	AS1442/1020	V,X,Y	V

Note:

1. Flange Specifications: [Reference Tables, page 193](#)

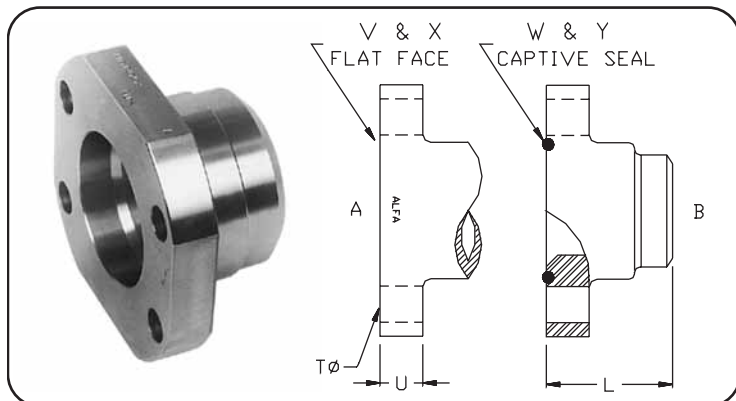
2. Pipe Specifications: [Reference Tables, page 202](#):

Stainless (316L) Change 1st Letter from A to S.

FLANGES & INSERTS SAE-CODE 61



FLANGE 61 X BUTT WELD TUBE (ONE PIECE)



ORDER CODE EXAMPLE:

A1F#T3224

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No

e.g. A1FVT3224M (Not standard)

- Metric Tube example
A1FYT16M25-3.0
M25-3.0 = Metric Tube OD x Wall Thickness

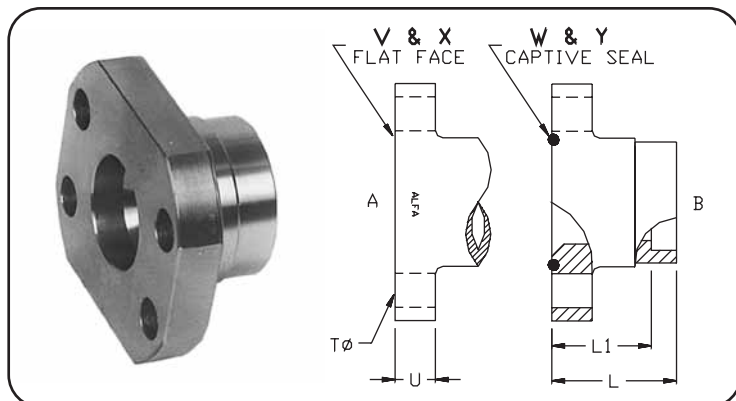
Part Number	R.R. Price	SAE A	Tube B	Tube - Ø B	L	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Mat Grade or Equiv.	Availability
A1F#T0808		1/2	1/2	12.70	35	13	5/16	8.7	A9SS08	AS1442/1020	V,X,Y
A1F#T1212		3/4	3/4	19.05	39	14	3/8	10.3	A9SS12	AS1442/1020	V,X,Y
A1F#T1216		3/4	1	25.40	45	14	3/8	10.3	A9SS12	AS1442/1020	V,X,Y
A1F#T1612		1	3/4	19.05	41	16	3/8	10.3	A9SS16	AS1442/1020	V,X,Y
A1F#T1616		1	1	25.40	47	16	3/8	10.3	A9SS16	AS1442/1020	V,X,Y
A1F#T1620		1	1 1/4	31.75	47	16	3/8	10.3	A9SS16	AS1442/1020	V,X,Y
A1F#T2016		1 1/4	1	25.40	46	14	7/16	11.9	A9SS20	AS1442/1020	V,W,X,Y
A1F#T2020		1 1/4	1 1/4	31.75	46	14	7/16	11.9	A9SS20	AS1442/1020	V,X,Y
A1F#T2024		1 1/4	1 1/2	38.10	46	14	7/16	11.9	A9SS20	AS1442/1020	V,X,Y
A1F#T2420		1 1/2	1 1/4	31.75	50	16	1/2	13.5	A9SS24	AS1442/1020	V,X,Y
A1F#T2424		1 1/2	1 1/2	38.10	50	16	1/2	13.5	A9SS24	AS1442/1020	V,X,Y
A1F#T2432		1 1/2	2	50.80	51	16	1/2	13.5	A9SS24	AS1442/1020	V,X,Y
A1F#T3224		2	1 1/2	38.10	50	16	1/2	13.5	A9SS32	AS1442/1020	V,X,Y
A1F#T3232		2	2	50.80	51	16	1/2	13.5	A9SS32	AS1442/1020	V,X,Y

Note:

1. Flange Specifications: [Reference Tables, page 193](#)
2. Tube Specifications: [Reference Tables, page 203](#)

Stainless (316L) Change 1st Letter from A to S.

FLANGE 61 X SOCKET WELD TUBE (ONE PIECE)



ORDER CODE EXAMPLE:

A1F#TS3224

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No

e.g. A1FVTS3224M (Not standard)

- Metric Tube example
A1FYTS16M25-3.0
M25-3.0 = Metric Tube OD x Wall Thickness

Part Number	R.R. Price	SAE A	Tube B	Tube - Ø B	L	L1	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Mat Grade or Equiv.	Availability
A1F#TS0808		1/2	1/2	12.70	39	29	13	5/16	8.7	A9SS08	AS1442/1020	V,X,Y
A1F#TS0812		1/2	3/4	19.05	39	29	13	5/16	8.7	A9SS08	AS1442/1020	V,X,Y
A1F#TS1208		3/4	1/2	12.70	42	32	14	3/8	10.3	A9SS12	AS1442/1020	V,X,Y
A1F#TS1212		3/4	3/4	19.05	42	32	14	3/8	10.3	A9SS12	AS1442/1020	V,X,Y
A1F#TS1216		3/4	1	25.40	42	29	14	3/8	10.3	A9SS12	AS1442/1020	V,X,Y
A1F#TS1612		1	3/4	19.05	44	34	16	3/8	10.3	A9SS16	AS1442/1020	V,X,Y
A1F#TS1616		1	1	25.40	44	31	16	3/8	10.3	A9SS16	AS1442/1020	V,X,Y
A1F#TS1620		1	1 1/4	31.75	44	31	16	3/8	10.3	A9SS16	AS1442/1020	V
A1F#TS1624		1	1 1/2	38.10	44	31	16	3/8	10.3	A9SS16	AS1442/1020	V
A1F#TS2016		1 1/4	1	25.40	43	30	14	7/16	11.9	A9SS20	AS1442/1020	V,X,Y
A1F#TS2020		1 1/4	1 1/4	31.75	43	30	14	7/16	11.9	A9SS20	AS1442/1020	V,X,Y
A1F#TS2024		1 1/4	1 1/2	38.10	43	30	14	7/16	11.9	A9SS20	AS1442/1020	V,X,Y
A1F#TS2420		1 1/2	1 1/4	31.75	47	34	16	1/2	13.5	A9SS24	AS1442/1020	V,X,Y
A1F#TS2424		1 1/2	1 1/2	38.10	47	34	16	1/2	13.5	A9SS24	AS1442/1020	V,X,Y
A1F#TS2432		1 1/2	2	50.80	47	34	16	1/2	13.5	A9SS24	AS1442/1020	V
A1F#TS3224		2	1 1/2	38.10	47	34	16	1/2	13.5	A9SS32	AS1442/1020	V,X,Y
A1F#TS3232		2	2	50.80	47	34	16	1/2	13.5	A9SS32	AS1442/1020	V,X,Y

Note:

1. Flange Specifications: [Reference Tables, page 193](#)

2. Tube Specifications: [Reference Tables, page 203](#)

Stainless (316L) Change 1st Letter from A to S.

FLANGES & INSERTS SAE-CODE 61



FLANGE 61 X BSPP (ONE PIECE)

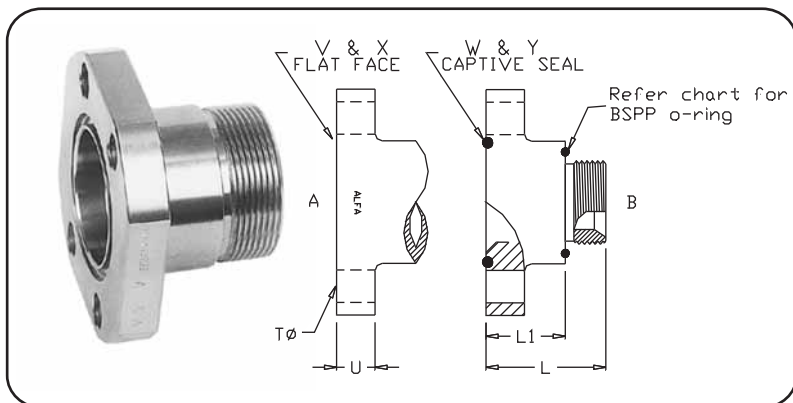
ORDER CODE EXAMPLE:

A1F#B3224

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No

e.g. A1FVB3224M (Not standard)



Part Number	R.R. Price	SAE A	BSPP B	L	L1	U	T - UNC	BSPP O-Ring	X & Y T - Ø	BSPP O-Ring	SAE - A O-Ring	Availability
A1F#B0808		1/2	1/2-14	38	24	13	5/16	YES	8.7	NO	A9SS08	V,X,Y
A1F#B1208		3/4	1/2-14	41	27	14	3/8	YES	10.3	YES	A9SS12	V,X,Y
A1F#B1212		3/4	3/4-14	43	27	14	3/8	YES	10.3	NO	A9SS12	V,X,Y
A1F#B1612		1	3/4-14	45	29	16	3/8	YES	10.3	YES	A9SS16	V,X,Y
A1F#B1616		1	1-11	47	29	16	3/8	YES	10.3	NO	A9SS16	V,X,Y
A1F#B2016		1 1/4	1-11	46	28	14	7/16	YES	11.9	YES	A9SS20	V,X,Y
A1F#B2020		1 1/4	1 1/4-11	48	28	14	7/16	YES	11.9	NO	A9SS20	V,X,Y
A1F#B2416		1 1/2	1-11	50	32	16	1/2	YES	13.5	YES	A9SS24	V,X,Y
A1F#B2420		1 1/2	1 1/4-11	52	32	16	1/2	YES	13.5	YES	A9SS24	V,X,Y
A1F#B2424		1 1/2	1 1/2-11	54	32	16	1/2	YES	13.5	NO	A9SS24	V,X,Y
A1F#B3216		2	1-11	50	32	16	1/2	YES	13.5	YES	A9SS32	V,X,Y
A1F#B3224		2	1 1/2-11	54	32	16	1/2	YES	13.5	YES	A9SS32	V,X,Y
A1F#B3232		2	2-11	56	32	16	1/2	YES	13.5	NO	A9SS32	V,X,Y
A1F#B4032		2 1/2	2-11	59	35	19	1/2	YES	13.5	YES	A9SS40	V,X,Y
A1F#B4832		3	2-11	59	35	19	5/8	YES	16.7	YES	A9SS48	V,X,Y
A1F#B4848		3	3	59	35	19	5/8	YES	16.7	NO	A9SS48	V,X,Y

Note:

- BSPP Sealing: [Reference Tables, page 194](#)
YES = Encapsulated O-Ring & 60 deg Internal seat
NO = 60 deg Internal seat only
- Flange Specifications: [Reference Tables, page 193](#)
- BSPP Thread Specifications: [Reference Tables, page 194](#)

•Stainless (316L) Change 1st Letter from A to S

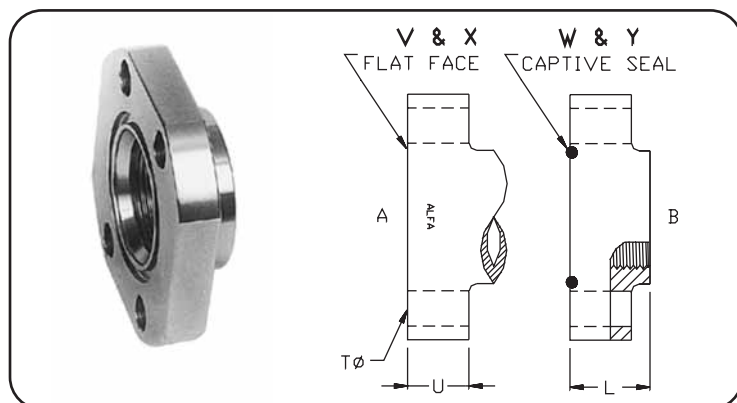
FLANGE 61 X BSPPF

ORDER CODE EXAMPLE:

A1F#BF3216

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No
e.g. A1FVBF3216M (Not standard)



Part Number	R.R. Price	SAE A	BSPPF B	L	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Availability
A1F#BF0806		1/2	3/8-19	22	13	5/16	8.7	A9SS08	V,X,Y
A1F#BF0808		1/2	1/2-14	22	13	5/16	8.7	A9SS08	V
A1F#BF1208		3/4	1/2-14	25	14	3/8	10.3	A9SS12	V,X,Y
A1F#BF1212		3/4	3/4-14	25	14	3/8	10.3	A9SS12	V
A1F#BF1612		1	3/4-14	27	16	3/8	10.3	A9SS16	V,X,Y
A1F#BF1616		1	1-11	27	16	3/8	10.3	A9SS16	V
A1F#BF2016		1 1/4	1-11	26	14	7/16	11.9	A9SS20	V,X,Y
A1F#BF2416		1 1/2	1-11	30	16	1/2	13.5	A9SS24	V,X,Y
A1F#BF2420		1 1/2	1 1/4-11	30	16	1/2	13.5	A9SS24	V,X,Y
A1F#BF2424		1 1/2	1 1/2-11	30	16	1/2	13.5	A9SS24	V
A1F#BF3216		2	1-11	30	16	1/2	13.5	A9SS32	V,X,Y
A1F#BF3224		2	1 1/2-11	30	16	1/2	13.5	A9SS32	V,X,Y
A1F#BF3232		2	2-11	32	16	1/2	13.5	A9SS32	V
A1F#BF4032		2 1/2	2-11	33	19	1/2	13.5	A9SS40	V,X,Y
A1F#BF4040		2 1/2	2 1/2-11	34	19	1/2	13.5	A9SS40	V
A1F#BF4832		3	2-11	39	22	5/8	16.7	A9SS48	V,X,Y

Note:

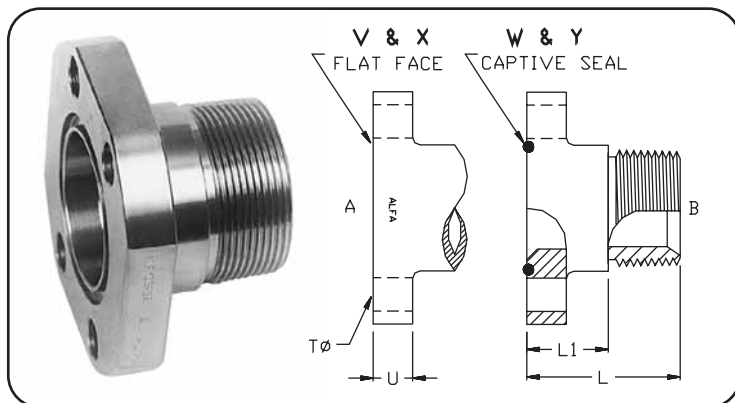
1. Flange Specifications: [Reference Tables, page 193](#)
2. BSPPF Thread Specifications: [Reference Tables, page 194](#)

•Stainless (316L) Change 1st Letter from A to S

FLANGES & INSERTS SAE-CODE 61



FLANGE 61 X BSPT (ONE PIECE)



ORDER CODE EXAMPLE:

A1F#G3224

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No
e.g. A1FVG3224M (Not standard)

Part Number	R.R. Price	SAE A	BSPT B	L	L1	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Availability
A1F#G0806		1/2	3/8-19	40	24	13	5/16	8.7	A9SS08	V,X,Y
A1F#G0808		1/2	1/2-14	45	24	13	5/16	8.7	A9SS08	V,X,Y
A1F#G1208		3/4	1/2-14	48	27	14	3/8	10.3	A9SS12	V,X,Y
A1F#G1212		3/4	3/4-14	48	27	14	3/8	10.3	A9SS12	V,X,Y
A1F#G1612		1	3/4-14	50	29	16	3/8	10.3	A9SS16	V,X,Y
A1F#G1616		1	1-11	55	29	16	3/8	10.3	A9SS16	V,X,Y
A1F#G2016		1 1/4	1-11	54	28	14	7/16	11.9	A9SS20	V,X,Y
A1F#G2020		1 1/4	1 1/4-11	55	28	14	7/16	11.9	A9SS20	V,X,Y
A1F#G2420		1 1/2	1 1/4-11	59	32	16	1/2	13.5	A9SS24	V,X,Y
A1F#G2424		1 1/2	1 1/2-11	59	32	16	1/2	13.5	A9SS24	V,X,Y
A1F#G3224		2	1 1/2-11	59	32	16	1/2	13.5	A9SS32	V,X,Y
A1F#G3232		2	2-11	61	32	16	1/2	13.5	A9SS32	V,X,Y
A1F#G4032		2 1/2	2-11	64	35	19	1/2	13.5	A9SS40	V,X,Y
A1F#G4040		2 1/2	2 1/2-11	67	35	19	1/2	13.5	A9SS40	V,X,Y
A1F#G4832		3	2-11	70	41	22	5/8	16.7	A9SS48	V,X,Y
A1F#G4840		3	2 1/2-11	73	41	22	5/8	16.7	A9SS48	V,X,Y
A1F#G4848		3	3-11	75	41	22	5/8	16.7	A9SS48	V,X,Y
A1F#G6448		4	3-11	78	44	25	5/8	16.7	A9SS64	V,X,Y

Note:

1. Flange Specifications: [Reference Tables, page 193](#)
2. BSPT Thread Specifications: [Reference Tables, page 197](#)

•Stainless (316L) Change 1st Letter from A to S

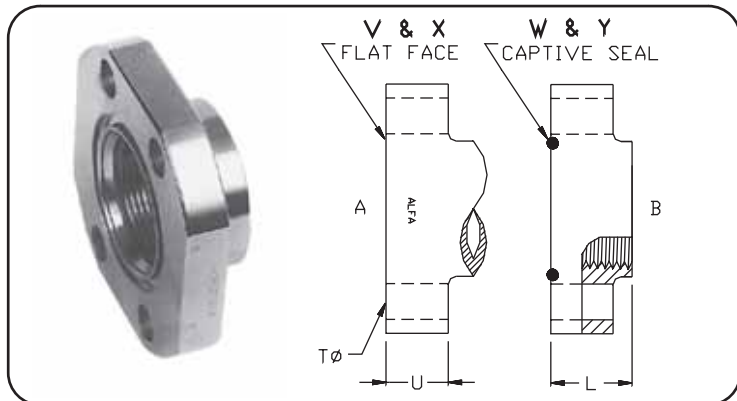
FLANGE 61 X BSPTF

ORDER CODE EXAMPLE:

A1F#GF3224

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No
e.g. A1FVGF3224M (Not standard)



Part Number	R.R. Price	SAE A	BSPTF B	L	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Availability
A1F#GF1208		3/4	1/2-14	29	14	3/8	10.3	A9SS12	V,X,Y
A1F#GF1212		3/4	3/4-14	29	14	3/8	10.3	A9SS12	V
A1F#GF1612		1	3/4-14	29	16	3/8	10.3	A9SS16	V,X,Y
A1F#GF1616		1	1-11	34	16	3/8	10.3	A9SS16	V
A1F#GF2016		1 1/4	1-11	34	14	7/16	11.9	A9SS20	V,X,Y
A1F#GF2420		1 1/2	1 1/4-11	35	16	1/2	13.5	A9SS24	V,X,Y
A1F#GF2424		1 1/2	1 1/2-11	35	16	1/2	13.5	A9SS24	V
A1F#GF3224		2	1 1/2-11	35	16	1/2	13.5	A9SS32	V,X,Y
A1F#GF3232		2	2-11	37	16	1/2	13.5	A9SS32	V
A1F#GF4032		2 1/2	2-11	37	19	1/2	13.5	A9SS40	V,X,Y
A1F#GF4040		2 1/2	2 1/2-11	40	19	1/2	13.5	A9SS40	V
A1F#GF4832		3	2-11	39	22	5/8	16.7	A9SS48	V,X,Y
A1F#GF4840		3	2 1/2-11	40	22	5/8	16.7	A9SS48	V,X,Y
A1F#GF4848		3	3-11	42	22	5/8	16.7	A9SS48	V
A1F#GF6432		4	2-11	42	25	5/8	16.7	A9SS64	V,X,Y
A1F#GF6448		4	3-11	42	25	5/8	16.7	A9SS64	V,X,Y

Note:

1. Flange Specifications: [Reference Tables, page 193](#)
2. BSPTF Thread Specifications: [Reference Tables, page 197](#)

•Stainless (316L) Change 1st Letter from A to S

FLANGES & INSERTS SAE-CODE 61



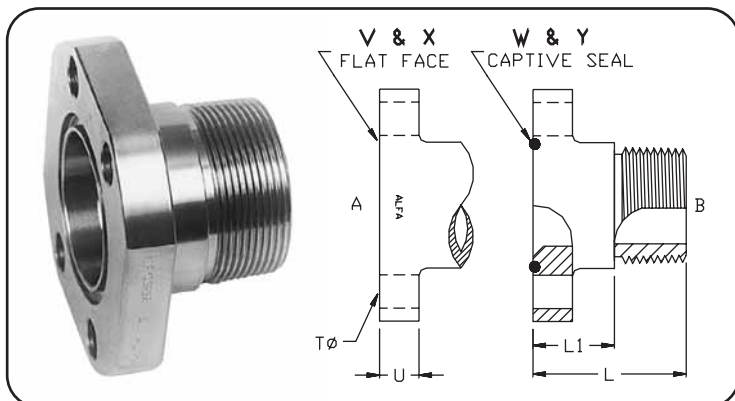
FLANGE 61 X NPT (ONE PIECE)

ORDER CODE EXAMPLE:

A1F#N2420

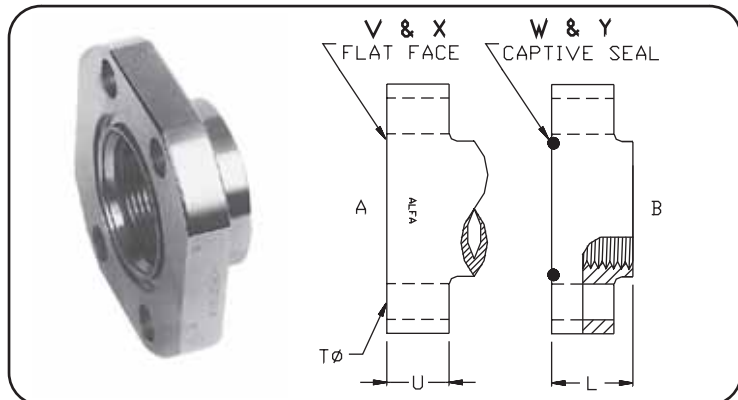
- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No
e.g. A1FVN2420M (Not standard)



Part Number	R.R. Price	SAE A	NPT B	L	L1	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Availability
A1F#N1212		3/4	3/4-14	48	27	14	3/8	10.3	A9SS12	V,X,Y
A1F#N1616		1	1-11.5	55	29	16	3/8	10.3	A9SS16	V,X,Y
A1F#N2016		1 1/4	1-11.5	54	28	14	7/16	11.9	A9SS20	V,X,Y
A1F#N2020		1 1/4	1 1/4-11.5	55	28	14	7/16	11.9	A9SS20	V,X,Y
A1F#N2420		1 1/2	1 1/4-11.5	59	32	16	1/2	13.5	A9SS24	V,X,Y
A1F#N2424		1 1/2	1 1/2-11.5	59	32	16	1/2	13.5	A9SS24	V,X,Y
A1F#N3232		2	2-11.5	61	32	16	1/2	13.5	A9SS32	V,X,Y
A1F#N4032		2 1/2	2-11.5	64	35	19	1/2	13.5	A9SS40	V,X,Y
A1F#N4040		2 1/2	2 1/2-8	67	35	19	1/2	13.5	A9SS40	V,X,Y
A1F#N4848		3	3-8	75	41	22	5/8	16.7	A9SS48	V,X,Y

FLANGE 61 X NPTF



ORDER CODE EXAMPLE:

A1F#NF3224

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No
e.g. A1FVNF3224M (Not standard)

Part Number	R.R. Price	SAE A	NPTF B	L	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Availability
A1F#NF1208		3/4	1/2-14	29	14	3/8	10.3	A9SS12	V,X,Y
A1F#NF1212		3/4	3/4-14	29	14	3/8	10.3	A9SS12	V,X,Y
A1F#NF1612		1	3/4-14	29	16	3/8	10.3	A9SS16	V,X,Y
A1F#NF1616		1	1-11.5	34	16	3/8	10.3	A9SS16	V
A1F#NF2016		1 1/4	1-11.5	34	14	7/16	11.9	A9SS20	V,X,Y
A1F#NF2020		1 1/4	1 1/4-11.5	35	14	7/16	11.9	A9SS20	V
A1F#NF2420		1 1/2	1 1/4-11.5	35	16	1/2	13.5	A9SS24	V,X,Y
A1F#NF2424		1 1/2	1 1/2-11.5	35	16	1/2	13.5	A9SS24	V
A1F#NF3224		2	1 1/2-11.5	35	16	1/2	13.5	A9SS32	V,X,Y
A1F#NF3232		2	2-11.5	37	16	1/2	13.5	A9SS32	V

Note:

1. Flange Specifications: [Reference Tables, page 193](#)
2. Thread Specifications: [Reference Tables, page 198](#)

•Stainless (316L) Change 1st Letter from A to S

FLANGE 61 X JIC (ONE PIECE)

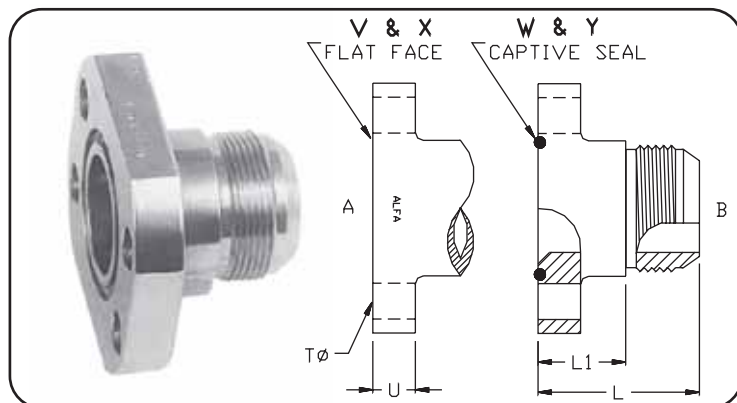
ORDER CODE EXAMPLE:

A1F#J1621

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No

e.g. A1FVJ1621M (Not standard)



Part Number	R.R. Price	SAE A	JIC B	L	L1	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Availability
A1F#J0812		1/2	3/4-16	41	24.3	13	5/16	8.7	A9SS08	V,X,Y
A1F#J0814		1/2	7/8-14	43	23.7	13	5/16	8.7	A9SS08	V,X,Y
A1F#J0817		1/2	1 1/16-12	46	24.1	13	5/16	8.7	A9SS08	V
A1F#J1217		3/4	1 1/16-12	49	27.1	14	3/8	10.3	A9SS12	V,X,Y
A1F#J1221		3/4	1 5/16-12	50	26.9	14	3/8	10.3	A9SS12	V,X,Y
A1F#J1617		1	1 1/16-12	51	29.1	16	3/8	10.3	A9SS16	V,X,Y
A1F#J1621		1	1 5/16-12	52	28.9	16	3/8	10.3	A9SS16	V,X,Y
A1F#J1626		1	1 5/8-12	53	28.7	16	3/8	10.3	A9SS16	V
A1F#J2017		1 1/4	1 1/16-12	50	28.1	14	7/16	11.9	A9SS20	V,X,Y
A1F#J2021		1 1/4	1 5/16-12	51	27.9	14	7/16	11.9	A9SS20	V,X,Y
A1F#J2026		1 1/4	1 5/8-12	53	28.7	14	7/16	11.9	A9SS20	V,X,Y
A1F#J2030		1 1/4	1 7/8-12	56	28.5	14	7/16	11.9	A9SS20	V
A1F#J2417		1 1/2	1 1/16-12	54	32.1	16	1/2	13.5	A9SS24	V,X,Y
A1F#J2421		1 1/2	1 5/16-12	55	31.9	16	1/2	13.5	A9SS24	V,X,Y
A1F#J2426		1 1/2	1 5/8-12	56	31.7	16	1/2	13.5	A9SS24	V,X,Y
A1F#J2430		1 1/2	1 7/8-12	59	31.5	16	1/2	13.5	A9SS24	V,X,Y
A1F#J3221		2	1 5/16-12	55	31.9	16	1/2	13.5	A9SS32	V,X,Y
A1F#J3226		2	1 5/8-12	56	31.7	16	1/2	13.5	A9SS32	V,X,Y
A1F#J3230		2	1 7/8-12	59	31.5	16	1/2	13.5	A9SS32	V,X,Y
A1F#J3240		2	2 1/2-12	66	32.1	16	1/2	13.5	A9SS32	V,X,Y
A1F#J4021		2 1/2	1 5/16-12	58	34.9	19	1/2	13.5	A9SS40	V,X,Y
A1F#J4030		2 1/2	1 7/8-12	62	34.5	19	1/2	13.5	A9SS40	V,X,Y
A1F#J4040		2 1/2	2 1/2-12	69	35.1	19	1/2	13.5	A9SS40	V,X,Y
A1F#J4048		2 1/2	3 IN-12	69	35	19	1/2	13.5	A9SS40	V,X,Y
A1F#J4830		3	1 7/8-12	69	41.5	22	5/8	16.7	A9SS48	V,X,Y
A1F#J4840		3	2 1/2-12	75	41.1	22	5/8	16.7	A9SS48	V,X,Y

Note:

1. Flange Specifications: [Reference Tables, page 193](#)
2. Thread Specifications: [Reference Tables, page 198](#)

•Stainless (316L) Change 1st Letter from A to S

FLANGES & INSERTS SAE-CODE 61



FLANGE 61 X UNF-O

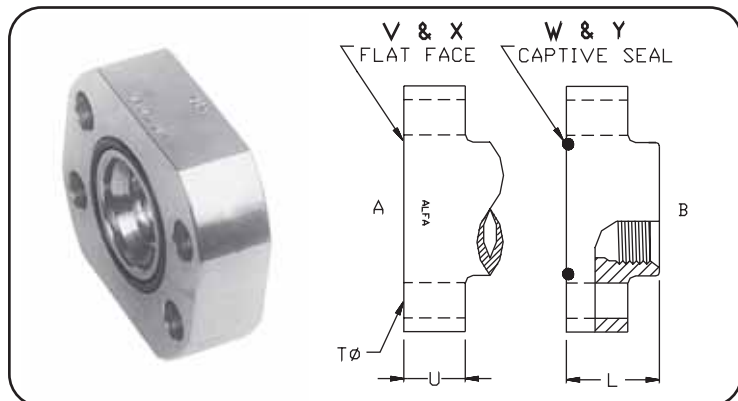
ORDER CODE EXAMPLE:

A1F#UF1621

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No
e.g. A1FVUF1621M (Not standard)

•Stainless (316L) Change 1st Letter from A to S



Part Number	R.R. Price	SAE A	UNF-O B	L	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Availability
A1F#UF0812		1/2	3/4-16	22	13	5/16	8.7	A9SS08	V
A1F#UF1217		3/4	1 1/16-12	26	14	3/8	10.3	A9SS12	V
A1F#UF1617		1	1 1/16-12	27	16	3/8	10.3	A9SS16	V,X,Y
A1F#UF1621		1	1 5/16-12	27	16	3/8	10.3	A9SS16	V
A1F#UF2017		1 1/4	1 1/16-12	26	14	7/16	11.9	A9SS20	V,X,Y
A1F#UF2021		1 1/4	1 5/16-12	26	14	7/16	11.9	A9SS20	V,X,Y
A1F#UF2026		1 1/4	1 5/8-12	26	14	7/16	11.9	A9SS20	V
A1F#UF2426		1 1/2	1 5/8-12	30	16	1/2	13.5	A9SS24	V,X,Y
A1F#UF2430		1 1/2	1 7/8-12	30	16	1/2	13.5	A9SS24	V
A1F#UF3221		2	1 5/16-12	30	16	1/2	13.5	A9SS32	V,X,Y
A1F#UF3226		2	1 5/8-12	30	16	1/2	13.5	A9SS32	V,X,Y
A1F#UF3230		2	1 7/8-12	30	16	1/2	13.5	A9SS32	V,X,Y

Note:

1. Flange Specifications: [Reference Tables, page 193](#)
2. Thread Specifications: [Reference Tables, page 200](#)

FLANGE 61 X CONNECTOR (FOR RETAINING SPLIT FLANGES)

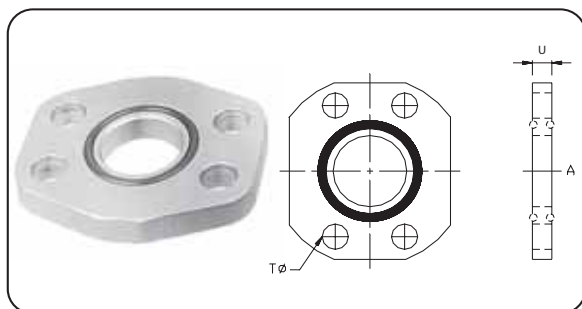
ORDER CODE EXAMPLE:

A1FC-16##

- ## = X, or Y
- XX = Flat Face/Flat Face
- XY = Flat Face/O-Ring Seal
- YY = O-Ring Seal/O-Ring Seal

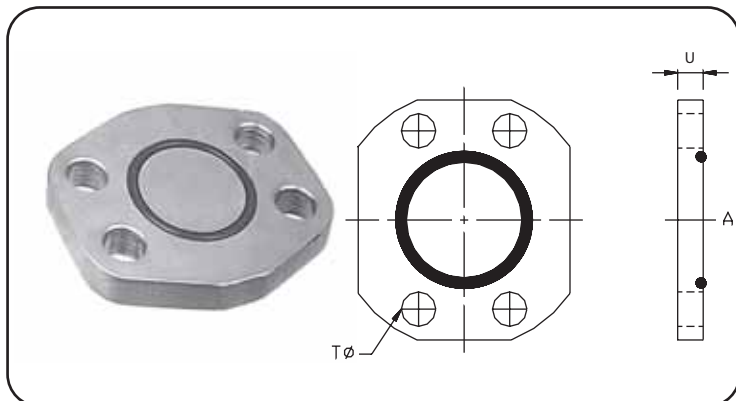
Flange Specifications: [Reference Tables, page 193](#)

•Stainless (316L) Change 1st Letter from A to S



Part Number	R.R. Price	SAE A	U	T - Ø	SAE - A O-Ring
A1FC-08##		1/2	10	8.7	A9SS08
A1FC-12##		3/4	10	10.3	A9SS12
A1FC-16##		1	10	10.3	A9SS16
A1FC-20##		1 1/4	10	11.9	A9SS20
A1FC-24##		1 1/2	10	13.5	A9SS24
A1FC-32##		2	10	13.5	A9SS32
A1FC-40##		2 1/2	10	13.5	A9SS40
A1FC-48##		3	10	16.7	A9SS48
A1FC-56##		3 1/2	10	16.7	A9SS56
A1FC-64##		4	10	16.7	A9SS64

FLANGE 61 BLANK (LOW PRESSURE)



ORDER CODE EXAMPLE:

A1FBL-16 Mtg Clearance Holes

A1FBL-16V Mtg Tapped UNC

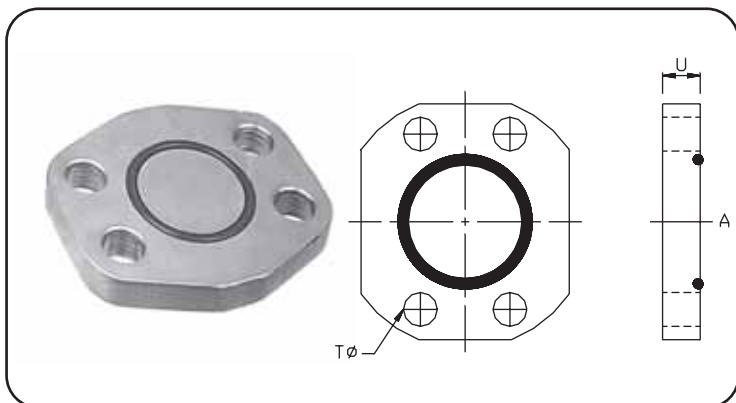
A1FBL-16VM Mtg Tapped Metric

For Metric Mtgs add **M** to Part No

e.g. A1FBL-16VM (Not standard)

Part Number	R.R. Price	SAE A	U	V - Thrd UNC	V - Thrd Metric	T - Ø Imp	Max (Bar) Pressure	SAE - A O-Ring
A1FBL-08		1/2	10	5/16	8	8.7	7	A9SS08
A1FBL-12		3/4	10	3/8	10	10.3	7	A9SS12
A1FBL-16		1	10	3/8	10	10.3	7	A9SS16
A1FBL-20		1 1/4	10	7/16	10	11.9	7	A9SS20
A1FBL-24		1 1/2	10	1/2	12	13.5	7	A9SS24
A1FBL-32		2	10	1/2	12	13.5	7	A9SS32
A1FBL-40		2 1/2	10	1/2	12	13.5	7	A9SS40
A1FBL-48		3	10	5/8	16	16.7	7	A9SS48
A1FBL-56		3 1/2	10	5/8	16	16.7	7	A9SS56
A1FBL-64		4	10	5/8	16	16.7	7	A9SS64

FLANGE 61 BLANK



ORDER CODE EXAMPLE:

A1FB-16 Mtg Clearance Holes

A1FB-16V Mtg Tapped UNC

A1FB-16VM Mtg Tapped Metric

For Metric Mtgs add **M** to Part No

e.g. A1FB-16VM (Not standard)

Part Number	R.R. Price	SAE A	U	V - Thrd UNC	V - Thrd Metric	T - Ø Imp	Max (Bar) Pressure	SAE - A O-Ring
A1FB-08		1/2	13	5/16	8	8.7	345	A9SS08
A1FB-12		3/4	14	3/8	10	10.3	345	A9SS12
A1FB-16		1	16	3/8	10	10.3	345	A9SS16
A1FB-20		1 1/4	14	7/16	10	11.9	276	A9SS20
A1FB-24		1 1/2	16	1/2	12	13.5	207	A9SS24
A1FB-32		2	16	1/2	12	13.5	207	A9SS32
A1FB-40		2 1/2	19	1/2	12	13.5	172	A9SS40
A1FB-48		3	22	5/8	16	16.7	138	A9SS48
A1FB-56		3 1/2	22	5/8	16	16.7	34	A9SS56
A1FB-64		4	25	5/8	16	16.7	34	A9SS64

Note:

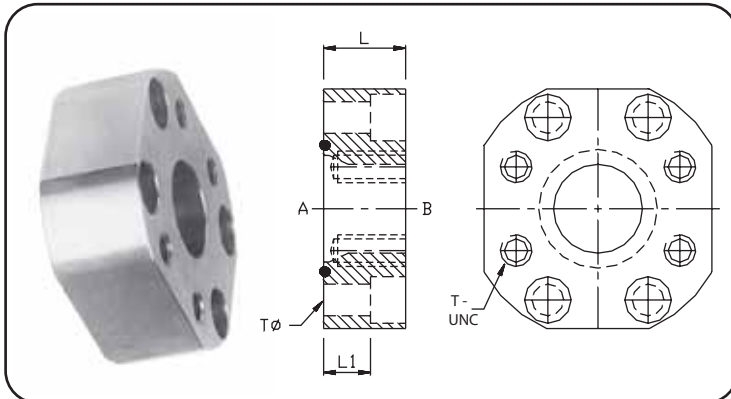
1. Flange Specifications: [Reference Tables, page 193](#)

•Stainless (316L) Change 1st Letter from A to S

FLANGES & INSERTS SAE-CODE 61



REDUCING / EXPANDER FLANGES 61 X FLANGE 61



ORDER CODE EXAMPLE:

A1F#1F2416

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

For Metric Mtgs add M to Part No
e.g. A1FY1F2416M (Not standard)

Part Number	R.R. Price	SAE A	SAE B	Flange Length	Flange Width	L	L1	SAE - A T - Ø	SAE - B T - UNC	SAE - B T - Metric	SAE - A O-Ring
A1F#1F0808		1/2	1/2	54	54	20	10	8.7	5/16	8	A9SS08
A1F#1F0812		1/2	3/4	65	54	40	10	8.7	5/16	8	A9SS08
A1F#1F1208		3/4	1/2	65	52	35	20	10.3	5/16	8	A9SS12
A1F#1F1212		3/4	3/4	65	65	30	15	10.3	3/8	10	A9SS12
A1F#1F1612		1	3/4	70	59	40	25	10.3	3/8	10	A9SS16
A1F#1F1616		1	1	70	70	25	10	10.3	3/8	10	A9SS16
A1F#1F1620		1	1 1/4	79	73	35	10	10.3	3/8	10	A9SS16
A1F#1F2016		1 1/4	1	79	73	40	25	11.9	3/8	10	A9SS20
A1F#1F2020		1 1/4	1 1/4	79	79	35	10	11.9	7/16	10	A9SS20
A1F#1F2024		1 1/4	1 1/2	94	83	40	25	13.5	3/8	10	A9SS20
A1F#1F2416		1 1/2	1	94	83	40	25	13.5	3/8	10	A9SS24
A1F#1F2420		1 1/2	1 1/4	94	83	40	25	13.5	7/16	10	A9SS24
A1F#1F2424		1 1/2	1 1/2	94	94	30	15	13.5	1/2	12	A9SS24
A1F#1F2432		1 1/2	2	102	97	40	15	13.5	1/2	12	A9SS24
A1F#1F3220		2	1 1/4	102	97	40	25	13.5	7/16	10	A9SS32
A1F#1F3224		2	1 1/2	102	97	40	25	13.5	1/2	12	A9SS32
A1F#1F3232		2	2	102	102	30	15	13.5	1/2	12	A9SS32
A1F#1F3240		2	2 1/2	114	109	40	35	13.5	1/2	12	A9SS32
A1F#1F4024		2 1/2	1 1/2	114	109	50	35	13.5	1/2	12	A9SS40
A1F#1F4032		2 1/2	2	114	109	40	25	13.5	1/2	12	A9SS40
A1F#1F4040		2 1/2	2 1/2	114	114	30	15	13.5	1/2	12	A9SS40
A1F#1F4048		2 1/2	3	135	131	40	15	16.7	1/2	10	A9SS40
A1F#1F4820		3	1 1/4	135	131	60	40	16.7	7/16	10	A9SS48
A1F#1F4824		3	1 1/2	135	131	50	30	16.7	1/2	12	A9SS48
A1F#1F4832		3	2	135	131	50	30	16.7	1/2	12	A9SS48
A1F#1F4840		3	2 1/2	135	131	40	20	16.7	1/2	12	A9SS48
A1F#1F4848		3	3	135	135	40	20	16.7	5/8	16	A9SS48
A1F#1F5632		3 1/2	2	152	140	50	30	16.7	1/2	12	A9SS56
A1F#1F5648		3 1/2	3	152	140	50	30	16.7	5/8	16	A9SS56
A1F#1F6432		4	2	162	152	60	40	16.7	1/2	12	A9SS64

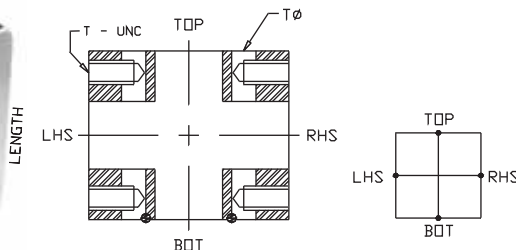
Note:

1. Flange Specifications: [Reference Tables, page 193](#)

•Stainless (316L) Change 1st Letter from A to S

WE NOW DO EXPANDER FLANGES!

CROSS - FLANGE 61



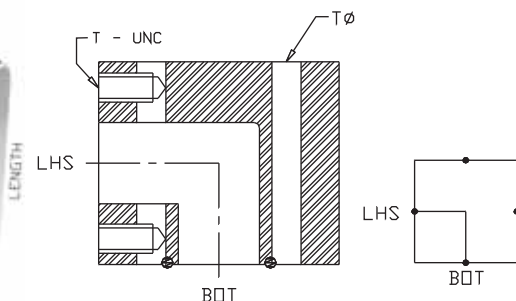
For Metric Mtgs add M to Part No
e.g. A1CF20M (Not Standard)
For no o-ring and all MTGS tapped add 'V' to end of part number
To alter O-Ring Config - Use A1FC- XX
To alter Flange Orientation - Use A1FY1F

Flange Specs: [Reference Tables, page 193](#)

•Stainless Change 1st Letter from A to S

Part Number	R.R. Price	SAE BOT	SAE TOP	SAE LHS	SAE RHS	Length	Width	Height	T - Ø	T - UNC LHS	T - UNC RHS	O-Ring
A1CF08		A1F-08	A1F-08	A1F-08	A1F-08	54	61	52	8.7	5/16	5/16	A9SS08
A1CF12		A1F-12	A1F-12	A1F-12	A1F-12	65	75	58	10.7	3/8	3/8	A9SS12
A1CF16		A1F-16	A1F-16	A1F-16	A1F-16	70	79	65	10.7	3/8	3/8	A9SS16
A1CF20		A1F-20	A1F-20	A1F-20	A1F-20	79	90	79	10.7	7/16	7/16	A9SS20
A1CF24		A1F-24	A1F-24	A1F-24	A1F-24	94	104	89	12.7	1/2	1/2	A9SS24
A1CF32		A1F-32	A1F-32	A1F-32	A1F-32	102	111	103	12.7	1/2	1/2	A9SS32
A1CF40		A1F-40	A1F-40	A1F-40	A1F-40	114	119	115	12.7	1/2	1/2	A9SS40
A1CF48		A1F-48	A1F-48	A1F-48	A1F-48	135	146	137	16.7	5/8	5/8	A9SS48

ELBOW - FLANGE 61



For Metric Mtgs add M to Part No
e.g. A1EF20M (Not standard)
For no o-ring and all MTGS tapped add 'V' to end of part number
To alter O-Ring Config - Use A1FC- XX
To alter Flange Orientation - Use A1FY1F

Flange Specs: [Reference Tables, page 193](#)

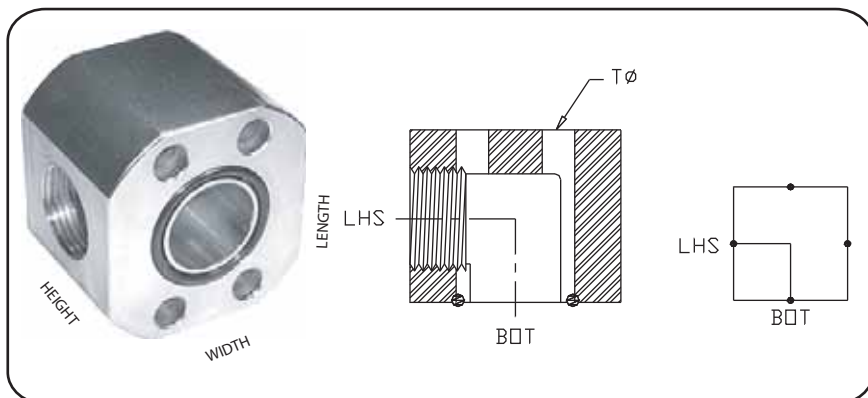
•Stainless Change 1st Letter from A to S

Part Number	R.R. Price	SAE BOT	SAE LHS	Length	Width	Height	T - Ø	T - UNC LHS	O-Ring
A1EF08		A1F-08	A1F-08	54	54	52	8.7	5/16	A9SS08
A1EF12		A1F-12	A1F-12	65	64	58	10.7	3/8	A9SS12
A1EF16		A1F-16	A1F-16	70	69	65	10.7	3/8	A9SS16
A1EF20		A1F-20	A1F-20	79	82	79	10.7	7/16	A9SS20
A1EF24		A1F-24	A1F-24	94	94	89	12.7	1/2	A9SS24
A1EF32		A1F-32	A1F-32	102	104	103	12.7	1/2	A9SS32
A1EF40		A1F-40	A1F-40	114	114	115	12.7	1/2	A9SS40
A1EF48		A1F-48	A1F-48	135	139	137	16.7	5/8	A9SS48

FLANGES & INSERTS SAE-CODE 61



ELBOW - SIDE - FLANGE 61 X BSPPF



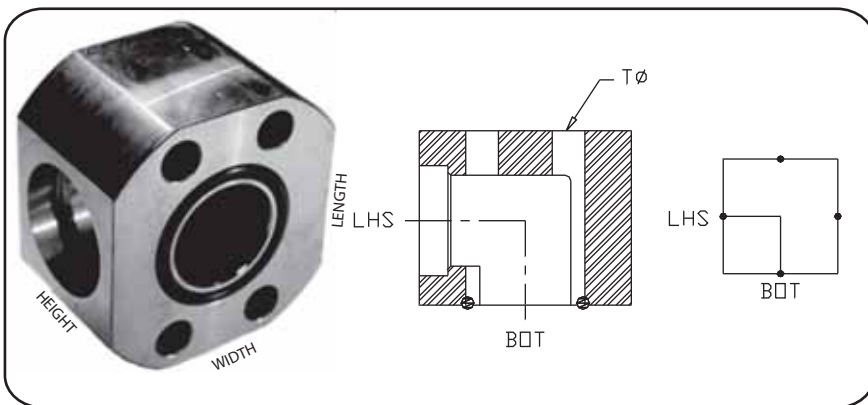
To alter O-Ring Config - Use A1FC- XX
To alter Flange Orientation - Use A1FY1F

Flange Specs: [Reference Tables, page 193](#)
Thread Specs: [Reference Tables, page 194](#)

•Stainless Change 1st Letter from A to S

Part Number	R.R. Price	SAE BOT	BSPPF LHS	Length	Width	Height	T - Ø	O-Ring
A1EFBF0808		A1F-08	1/2-14	54	46	40	8.7	A9SS08
A1EFBF1212		A1F-12	3/4-14	65	52	50	10.3	A9SS12
A1EFBF1612		A1F-16	3/4-14	70	59	50	10.3	A9SS16
A1EFBF1616		A1F-16	1-11	70	59	60	10.3	A9SS16
A1EFBF2016		A1F-20	1-11	79	73	60	11.9	A9SS20
A1EFBF2420		A1F-24	1 1/4-11	94	83	70	13.5	A9SS24
A1EFBF2424		A1F-24	1 1/2-11	94	83	80	13.5	A9SS24
A1EFBF3216		A1F-32	1-11	102	97	60	13.5	A9SS32
A1EFBF3224		A1F-32	1 1/2-11	102	97	80	13.5	A9SS32
A1EFBF4032		A1F-40	2-11	114	109	90	13.5	A9SS40
A1EFBF4832		A1F-48	2-11	135	131	90	16.7	A9SS48
A1EFBF5632		A1F-56	2-11	152	140	90	16.7	A9SS56
A1EFBF6432		A1F-64	2-11	162	152	90	16.7	A9SS64

ELBOW - SIDE - FLANGE 61 X SOCKET WELD TUBE



To alter O-Ring Config - Use A1FC- XX
To alter Flange Orientation - Use A1FY1F

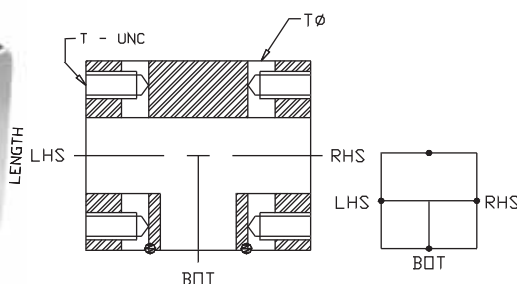
Flange Specs: [Reference Tables, page 193](#)
Tube Specs: [Reference Tables, page 203](#)

•Stainless Change 1st Letter from A to S

Part Number	R.R. Price	SAE BOT	S/Weld Tube LHS	Length	Width	Height	T - Ø	O-Ring	Mat Grade or Equiv.
A1EFTS1212		A1F-12	TS12	65	52	30	10.3	A9SS12	1020
A1EFTS1216		A1F-12	TS16	65	52	40	10.3	A9SS12	1020
A1EFTS1616		A1F-16	TS16	70	59	40	10.3	A9SS16	1020
A1EFTS1620		A1F-16	TS20	70	59	50	10.3	A9SS16	1020
A1EFTS2016		A1F-20	TS16	79	73	40	11.9	A9SS20	1020
A1EFTS2020		A1F-20	TS20	79	73	50	11.9	A9SS20	1020
A1EFTS2420		A1F-24	TS20	94	83	50	13.5	A9SS24	1020
A1EFTS2424		A1F-24	TS24	94	83	50	13.5	A9SS24	1020
A1EFTS3224		A1F-32	TS24	102	97	50	13.5	A9SS32	1020
A1EFTS3232		A1F-32	TS32	102	97	70	13.5	A9SS32	1020

TEE - FLANGE 61

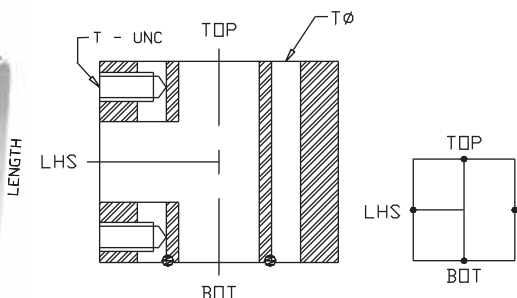
1



To alter O-Ring Config - Use A1FC- XX
Or [A9007 Reference Tables, page 30](#)
To alter Flange Orientation - Use A1FY1F
For Metric Mtgs add M to Part No
e.g. A1TF20M (Not standard)
For no o-ring and all MTGS tapped add 'V' to end of part number
Flange Specs: [Reference Tables, page 193](#)
•**Stainless** Change 1st Letter from A to S

Part Number	R.R. Price	SAE BOT	SAE LHS	SAE RHS	Length	Width	Height	T - Ø	T - UNC LHS	T - UNC RHS	O-Ring
A1TF08		A1F-08	A1F-08	A1F-08	54	61	52	8.7	5/16	5/16	A9SS08
A1TF12		A1F-12	A1F-12	A1F-12	65	75	58	10.7	3/8	3/8	A9SS12
A1TF16		A1F-16	A1F-16	A1F-16	70	79	65	10.7	3/8	3/8	A9SS16
A1TF20		A1F-20	A1F-20	A1F-20	79	90	79	10.7	7/16	7/16	A9SS20
A1TF24		A1F-24	A1F-24	A1F-24	94	104	89	12.7	1/2	1/2	A9SS24
A1TF32		A1F-32	A1F-32	A1F-32	102	111	103	12.7	1/2	1/2	A9SS32
A1TF40		A1F-40	A1F-40	A1F-40	114	119	115	12.7	1/2	1/2	A9SS40
A1TF48		A1F-48	A1F-48	A1F-48	135	146	137	16.7	5/8	5/8	A9SS48

SIDE PORTED SPACER - FLANGE 61



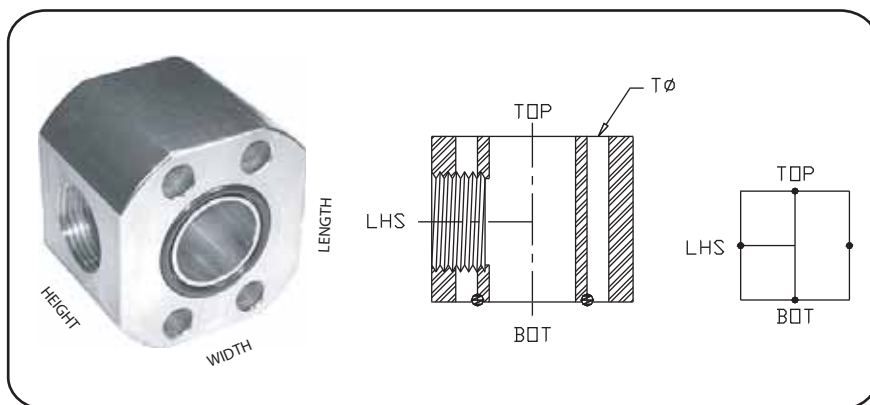
To alter O-Ring Config - Use A1FC- XX
Or [A9007 Reference Tables, page 30](#)
To alter Flange Orientation - Use A1FY1F
For Metric Mtgs add M to Part No
e.g. A1SF20M (Not standard)
For no o-ring and all MTGS tapped add 'V' to end of part number
Flange Specs: [Reference Tables, page 193](#)
•**Stainless** Change 1st Letter from A to S

Part Number	R.R. Price	SAE BOT	SAE TOP	SAE LHS	Length	Width	Height	T - Ø	T - UNC LHS	O-Ring
A1SF08		A1F-08	A1F-08	A1F-08	54	54	52	8.7	5/16	A9SS08
A1SF12		A1F-12	A1F-12	A1F-12	65	64	58	10.7	3/8	A9SS12
A1SF16		A1F-16	A1F-16	A1F-16	70	69	65	10.7	3/8	A9SS16
A1SF20		A1F-20	A1F-20	A1F-20	79	82	79	10.7	7/16	A9SS20
A1SF24		A1F-24	A1F-24	A1F-24	94	94	89	12.7	1/2	A9SS24
A1SF32		A1F-32	A1F-32	A1F-32	102	104	103	12.7	1/2	A9SS32
A1SF40		A1F-40	A1F-40	A1F-40	114	114	115	12.7	1/2	A9SS40
A1SF48		A1F-48	A1F-48	A1F-48	135	139	137	16.7	5/8	A9SS48

FLANGES & INSERTS SAE-CODE 61



SIDE PORTED SPACER - FLANGE 61 X BSPPF



To alter O-Ring Config - Use A1FC- XX

Or **A9007** [Reference Tables, page 30](#)

To alter Flange Orientation - Use A1FY1F

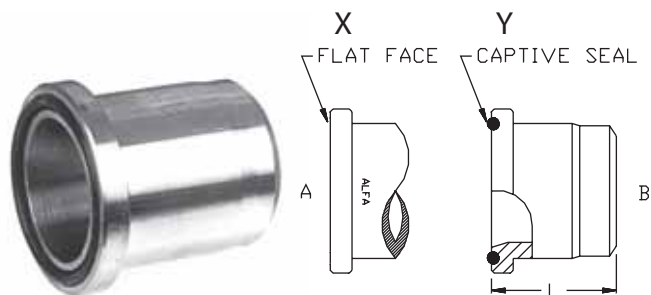
Flange Specs: [Reference Tables, page 193](#)

Thread Specs: [Reference Tables, page 194](#)

•Stainless Change 1st Letter from A to S

Part Number	R.R. Price	SAE TOP & BOT	BSPPF LHS	Length	Width	Height	T - Ø	O-Ring
A1SFBF0804		A1F-08	1/4-19	54	46	30	8.7	A9SS08
A1SFBF0808		A1F-08	1/2-14	54	46	40	8.7	A9SS08
A1SFBF1204		A1F-12	1/4-19	65	52	30	10.3	A9SS12
A1SFBF1208		A1F-12	1/2-14	65	52	40	10.3	A9SS12
A1SFBF1212		A1F-12	3/4-14	65	52	50	10.3	A9SS12
A1SFBF1604		A1F-16	1/4-19	70	59	30	10.3	A9SS16
A1SFBF1608		A1F-16	1/2-14	70	59	40	10.3	A9SS16
A1SFBF1612		A1F-16	3/4-14	70	59	50	10.3	A9SS16
A1SFBF1616		A1F-16	1-11	70	59	60	10.3	A9SS16
A1SFBF2004		A1F-20	1/4-19	79	73	30	11.9	A9SS20
A1SFBF2008		A1F-20	1/2-14	79	73	40	11.9	A9SS20
A1SFBF2012		A1F-20	3/4-14	79	73	50	11.9	A9SS20
A1SFBF2016		A1F-20	1-11	79	73	60	11.9	A9SS20
A1SFBF2404		A1F-24	1/4-19	94	83	30	13.5	A9SS24
A1SFBF2408		A1F-24	1/2-14	94	83	40	13.5	A9SS24
A1SFBF2412		A1F-24	3/4-14	94	83	50	13.5	A9SS24
A1SFBF2416		A1F-24	1-11	94	83	60	13.5	A9SS24
A1SFBF2420		A1F-24	1 1/4-11	94	83	70	13.5	A9SS24
A1SFBF2424		A1F-24	1 1/2-11	94	83	80	13.5	A9SS24
A1SFBF3204		A1F-32	1/4-19	102	97	30	13.5	A9SS32
A1SFBF3208		A1F-32	1/2-14	102	97	40	13.5	A9SS32
A1SFBF3212		A1F-32	3/4-14	102	97	50	13.5	A9SS32
A1SFBF3216		A1F-32	1-11	102	97	60	13.5	A9SS32
A1SFBF3224		A1F-32	1 1/2-11	102	97	80	13.5	A9SS32
A1SFBF4004		A1F-40	1/4-19	114	109	30	13.5	A9SS40
A1SFBF4008		A1F-40	1/2-14	114	109	40	13.5	A9SS40
A1SFBF4016		A1F-40	1-11	114	109	60	13.5	A9SS40
A1SFBF4032		A1F-40	2-11	114	109	90	13.5	A9SS40
A1SFBF4804		A1F-48	1/4-19	135	131	30	16.7	A9SS48
A1SFBF4808		A1F-48	1/2-14	135	131	40	16.7	A9SS48
A1SFBF4812		A1F-48	3/4-14	135	131	50	16.7	A9SS48
A1SFBF4816		A1F-48	1-11	135	131	60	16.7	A9SS48
A1SFBF4832		A1F-48	2-11	135	131	90	16.7	A9SS48
A1SFBF5616		A1F-56	1-11	152	140	60	16.7	A9SS56
A1SFBF5632		A1F-56	2-11	152	140	90	16.7	A9SS56
A1SFBF6416		A1F-64	1-11	162	152	60	16.7	A9SS64
A1SFBF6432		A1F-64	2-11	162	152	90	16.7	A9SS64

INSERT 61 X BUTT WELD PIPE



ORDER CODE EXAMPLE:

A1#P3224?

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal
- 2 = Pipe Schedule ([Reference Tables, page 202](#))
- D = Sched 40
- H = Sched 80
- P = Sched 160

•Stainless (316L) Change 1st Letter from A to S.

Part Number	R.R. Price	SAE A	Pipe B	Pipe - Ø B	L	Flange Selection	SAE - A O-Ring	Mat Grade or Equiv.
A1#P0808?		1/2	1/2	21.3	41	Either	A9SS08	AS3679:250
A1#P1208?		3/4	1/2	21.3	44	Either	A9SS12	AS1442/1020
A1#P1212?		3/4	3/4	26.7	44	Either	A9SS12	AS1442/1020
A1#P1216?		3/4	1	33.4	45	Splits	A9SS12	AS1442/1020
A1#P1616?		1	1	33.4	47	Either	A9SS16	AS1442/1020
A1#P1620?		1	1 1/4	42.2	47	Splits	A9SS16	AS1442/1020
A1#P2016?		1 1/4	1	33.4	45	Either	A9SS20	AS1442/1020
A1#P2020?		1 1/4	1 1/4	42.2	45	Either	A9SS20	AS1442/1020
A1#P2024?		1 1/4	1 1/2	48.3	45	Splits	A9SS20	AS1442/1020
A1#P2412?		1 1/2	3/4	26.7	47	Either	A9SS24	AS1442/1020
A1#P2416?		1 1/2	1	33.4	48	Either	A9SS24	AS1442/1020
A1#P2420?		1 1/2	1 1/4	42.2	48	Either	A9SS24	AS1442/1020
A1#P2424?		1 1/2	1 1/2	48.3	48	Either	A9SS24	AS1442/1020
A1#P2432?		1 1/2	2	60.3	49	Splits	A9SS24	AS1442/1020
A1#P3224?		2	1 1/2	48.3	49	Either	A9SS32	AS1442/1020
A1#P3232?		2	2	60.3	50	Either	A9SS32	AS1442/1020
A1#P3240?		2	2 1/2	73	64	Splits	A9SS32	AS1442/1020
A1#P4024?		2 1/2	1 1/2	48.3	61	Either	A9SS40	AS1442/1020
A1#P4032?		2 1/2	2	60.3	62	Either	A9SS40	AS1442/1020
A1#P4040?		2 1/2	2 1/2	73	63	Either	A9SS40	AS1442/1020
A1#P4048?		2 1/2	3	88.9	68	Splits	A9SS40	AS1442/1020
A1#P4832?		3	2	60.3	65	Either	A9SS48	AS1442/1020
A1#P4840?		3	2 1/2	73	66	Either	A9SS48	AS1442/1020
A1#P4848?		3	3	88.9	67	Either	A9SS48	AS1442/1020
A1#P5648?		3 1/2	3	88.9	54	Either	A9SS56	AS1442/1020
A1#P5656?		3 1/2	3 1/2	101.6	54	Either	A9SS56	AS1442/1020
A1#P5664?		3 1/2	4	114.3	55	Splits	A9SS56	AS1442/1020
A1#P6432?		4	2	60.3	59	Either	A9SS64	AS1442/1020
A1#P6440?		4	2 1/2	73	60	Either	A9SS64	AS1442/1020
A1#P6448?		4	3	88.9	61	Either	A9SS64	AS1442/1020
A1#P6456?		4	3 1/2	101.6	61	Either	A9SS64	AS1442/1020
A1#P6464?		4	4	114.3	62	Splits	A9SS64	AS1442/1020
A1#P8064?		5	4	114.3	68	Either	A9SS80	AS1442/1020
A1#P8080?		5	5	141.3	69	Splits	A9SS80	AS1442/1020

Note:

- Length L stated for Sched 80 (H) with weld prep. @ 45 deg.
- Lengths for other pipe schedules vary by the difference of weld prep.

Note:

- Flange Specifications: [Reference Tables, page 193](#)
- Pipe Specifications: [Reference Tables, page 202](#)

FLANGES & INSERTS SAE-CODE 61

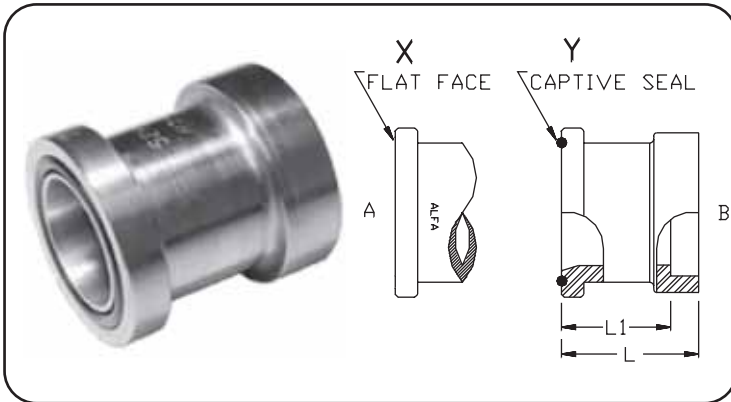


INSERT 61 X SOCKET WELD PIPE

ORDER CODE EXAMPLE:

A1#PS3224C

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal
- C = Series 3,000 lbs = Sched 80 (Socket Weld)
- F = Series 6,000 lbs = Sched 160 (Socket Weld)



Part Number	R.R. Price	SAE A	Pipe B	Pipe OD Ø	Sleeve OD Ø	L	L1	Flange Selection	SAE - A O-Ring	Mat Grade or Equiv.
A1#PS0806C		1/2	3/8	17.1	25.3	42	32	Splits	A9SS08	AS3679:250
A1#PS0808C		1/2	1/2	21.3	30.7	51	41	Splits	A9SS08	AS3679:250
A1#PS1206C		3/4	3/8	17.1	25.3	41	31	Either	A9SS12	AS1442/1020
A1#PS1208C		3/4	1/2	21.3	30.7	41	31	Either	A9SS12	AS1442/1020
A1#PS1212C		3/4	3/4	26.7	36.5	46	33	Splits	A9SS12	AS1442/1020
A1#PS1612C		1	3/4	26.7	36.5	43	30	Either	A9SS16	AS1442/1020
A1#PS1616C		1	1	33.4	44.8	58	45	Splits	A9SS16	AS1442/1020
A1#PS1616F		1	1	33.4	48.9	60	47	Splits	A9SS16	AS1442/1020
A1#PS2016C		1 1/4	1	33.4	44.8	47	34	Splits	A9SS20	AS1442/1020
A1#PS2020C		1 1/4	1 1/4	42.2	54.2	59	46	Splits	A9SS20	AS1442/1020
A1#PS2020F		1 1/4	1 1/4	42.2	57.7	61	48	Splits	A9SS20	AS1442/1020
A1#PS2416C		1 1/2	1	33.4	44.8	44	31	Either	A9SS24	AS1442/1020
A1#PS2420C		1 1/2	1 1/4	42.2	54.2	50	37	Splits	A9SS24	AS1442/1020
A1#PS2424C		1 1/2	1 1/2	48.3	60.8	64	51	Splits	A9SS24	AS1442/1020
A1#PS2424F		1 1/2	1 1/2	48.3	65.6	67	54	Splits	A9SS24	AS1442/1020
A1#PS3224C		2	1 1/2	48.3	60.8	45	32	Either	A9SS32	AS1442/1020
A1#PS3224F		2	1 1/2	48.3	65.6	54	41	Splits	A9SS32	AS1442/1020
A1#PS3232C		2	2	60.3	74.4	65	49	Splits	A9SS32	AS1442/1020
A1#PS3232F		2	2	60.3	81.8	69	53	Splits	A9SS32	AS1442/1020
A1#PS4032C		2 1/2	2	60.3	74.4	64	48	Splits	A9SS40	AS1442/1020
A1#PS4032F		2 1/2	2	60.3	81.8	68	52	Splits	A9SS40	AS1442/1020
A1#PS4040C		2 1/2	2 1/2	73	90.6	70	54	Splits	A9SS40	AS1442/1020
A1#PS4048C		2 1/2	3	88.9	108	70	54	Splits	A9SS40	AS1442/1020
A1#PS4832C		3	2	60.3	74.4	60	44	Either	A9SS48	AS1442/1020
A1#PS4832F		3	2	60.3	81.8	60	44	Either	A9SS48	AS1442/1020
A1#PS4840C		3	2 1/2	73	90.6	69	53	Splits	A9SS48	AS1442/1020
A1#PS4840C		3	2 1/2	73	90.6	69	53	Splits	A9SS48	AS1442/1020
A1#PS4848C		3	3	88.9	108	80	64	Splits	A9SS48	AS1442/1020
A1#PS6464C		4	4	114.3	135.9	85	66	Splits	A9SS64	AS1442/1020

Note:

1. Flange Specifications: [Reference Tables, page 193](#)
2. Pipe Specifications: [Reference Tables, page 202](#)

•Stainless (316L) Change 1st Letter from A to S.

INSERT 61 X BUTT WELD TUBE

Part Number	R.R. Price	SAE A	Tube B	Tube OD Ø	L	Flange Selection	SAE - A O-Ring	Mat Grade or Equiv.
A1#T1210		3/4	5/8	15.88	38	Either	A9SS12	AS1442/1020
A1#T1212		3/4	3/4	19.05	38	Either	A9SS12	AS1442/1020
A1#T1216		3/4	1	25.4	44	Either	A9SS12	AS1442/1020
A1#T1612		1	3/4	19.05	40	Either	A9SS16	AS1442/1020
A1#T1616		1	1	25.4	46	Either	A9SS16	AS1442/1020
A1#T1620		1	1 1/4	31.75	46	Either	A9SS16	AS1442/1020
A1#T2016		1 1/4	1	25.4	44	Either	A9SS20	AS1442/1020
A1#T2020		1 1/4	1 1/4	31.75	44	Either	A9SS20	AS1442/1020
A1#T2024		1 1/4	1 1/2	38.1	44	Either	A9SS20	AS1442/1020
A1#T2420		1 1/2	1 1/4	31.75	47	Either	A9SS24	AS1442/1020
A1#T2424		1 1/2	1 1/2	38.1	47	Either	A9SS24	AS1442/1020
A1#T2432		1 1/2	2	50.8	48	Splits	A9SS24	AS1442/1020
A1#T3216		2	1	25.4	48	Either	A9SS32	AS1442/1020
A1#T3224		2	1 1/2	38.1	48	Either	A9SS32	AS1442/1020
A1#T3232		2	2	50.8	49	Either	A9SS32	AS1442/1020
A1#T3240		2	2 1/2	63.5	49	Splits	A9SS32	AS1442/1020
A1#T4032		2 1/2	2	50.8	61	Either	A9SS40	AS1442/1020
A1#T4040		2 1/2	2 1/2	63.5	61	Either	A9SS40	AS1442/1020
A1#T4048		2 1/2	3	76.2	62	Splits	A9SS40	AS1442/1020
A1#T4848		3	3	76.2	65	Either	A9SS48	AS1442/1020

Note:

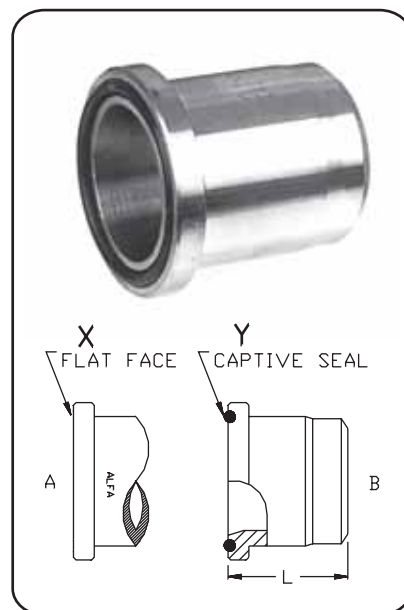
1. Flange Specs: [Reference Tables, page 193](#)
2. Tube Specs: [Reference Tables, page 203](#)

Stainless (316L) Change 1st Letter from A to S.

Metric Tube Example:

A1YT16M25-3

M25-3 = Metric Tube OD x Wall Thickness



ORDER CODE EXAMPLE:

A1#T3224

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

INSERT 61 X SOCKET WELD TUBE

Part Number	R.R. Price	SAE A	Tube B	Tube OD Ø	Sleeve OD Ø	L	L1	Flange Selection	SAE - A O-Ring	Mat Grade or Equiv.
A1#TS0808		1/2	1/2	12.7	18.8	38	28	Either	A9SS08	AS3679:250
A1#TS1212		3/4	3/4	19.05	28.8	41	31	Either	A9SS12	AS1442/1020
A1#TS1216		3/4	1	25.4	34.2	46	33	Splits	A9SS12	AS1442/1020
A1#TS1612		1	3/4	19.05	28.8	43	33	Either	A9SS16	AS1442/1020
A1#TS1616		1	1	25.4	34.2	43	30	Either	A9SS16	AS1442/1020
A1#TS1620		1	1 1/4	31.75	42.7	58	45	Splits	A9SS16	AS1442/1020
A1#TS2016		1 1/4	1	25.4	34.2	41	28	Either	A9SS20	AS1442/1020
A1#TS2020		1 1/4	1 1/4	31.75	42.7	47	34	Either	A9SS20	AS1442/1020
A1#TS2024		1 1/4	1 1/2	38.1	48.4	46	33	Splits	A9SS20	AS1442/1020
A1#TS2416		1 1/2	1	25.4	34.2	44	31	Either	A9SS24	AS1442/1020
A1#TS2420		1 1/2	1 1/4	31.75	42.7	44	31	Either	A9SS24	AS1442/1020
A1#TS2424		1 1/2	1 1/2	38.1	48.4	44	31	Either	A9SS24	AS1442/1020
A1#TS2432		1 1/2	2	50.8	61.5	63	50	Splits	A9SS24	AS1442/1020
A1#TS3220		2	1 1/4	31.75	42.7	45	32	Either	A9SS32	AS1442/1020
A1#TS3224		2	1 1/2	38.1	48.4	45	32	Either	A9SS32	AS1442/1020
A1#TS3232		2	2	50.8	61.5	50	37	Either	A9SS32	AS1442/1020
A1#TS4032		2 1/2	2	50.8	61.5	57	44	Either	A9SS40	AS1442/1020
A1#TS4040		2 1/2	2 1/2	63.5	73.8	62	46	Either	A9SS40	AS1442/1020
A1#TS4832		3	2	50.8	61.5	60	47	Either	A9SS48	AS1442/1020
A1#TS4840		3	2 1/2	63.5	73.8	60	44	Either	A9SS48	AS1442/1020
A1#TS4848		3	3	76.2	88.7	60	44	Either	A9SS48	AS1442/1020

Note:

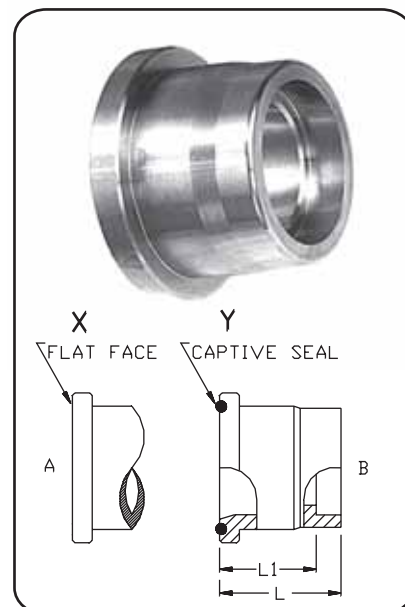
1. Flange Specs: [Reference Tables, page 193](#)
2. Tube Specs: [Reference Tables, page 203](#)

Stainless (316L) Change 1st Letter from A to S.

Metric Tube Example:

A1YTS16M25-3

M25-3 = Metric Tube OD x Wall Thickness



ORDER CODE EXAMPLE:

A1#TS3224

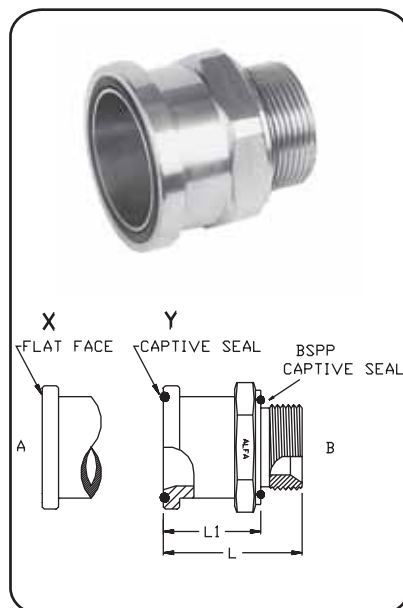
- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

FLANGES & INSERTS SAE-CODE 61



INSERT 61 X BSPP MALE (ONE PIECE)

Part Number	R.R. Price	SAE A	BSPP B	L	L1	BSPP R Ø	Hex A/F	Flange Selection	SAE - A O-Ring	BSPP O-Ring
A1#B0808		1/2	1/2-14	60	46	33	30	Splits	A9SS08	A9SRB08
A1#B1208		3/4	1/2-14	54	40	33	35	Splits	A9SS12	A9SRB08
A1#B1212		3/4	3/4-14	57	41	38	35	Splits	A9SS12	A9SRB12
A1#B1608		1	1/2-14	57	43	33	40	Splits	A9SS16	A9SRB08
A1#B1612		1	3/4-14	59	43	38	40	Splits	A9SS16	A9SRB12
A1#B1616		1	1-11	62	44	46	42	Splits	A9SS16	A9SRB16
A1#B2012		1 1/4	3/4-14	57	41	38	45	Splits	A9SS20	A9SRB12
A1#B2016		1 1/4	1-11	59	41	46	48	Splits	A9SS20	A9SRB16
A1#B2020		1 1/4	1 1/4-11	63	43	55	50	Splits	A9SS20	A9SRB20
A1#B2416		1 1/2	1-11	62	44	46	52	Splits	A9SS24	A9SRB16
A1#B2420		1 1/2	1 1/4-11	66	46	55	57	Splits	A9SS24	A9SRB20
A1#B2424		1 1/2	1 1/2-11	70	48	61	56	Splits	A9SS24	A9SRB24
A1#B3216		2	1-11	65	47	46	64	Splits	A9SS32	A9SRB16
A1#B3220		2	1 1/4-11	67	47	55	64	Splits	A9SS32	A9SRB20
A1#B3224		2	1 1/2-11	69	47	61	64	Splits	A9SS32	A9SRB24
A1#B3232		2	2-11	73	49	75	68	Splits	A9SS32	A9SRB32
A1#B4024		2 1/2	1 1/2-11	81	59	61	76	Splits	A9SS40	A9SRB24
A1#B4032		2 1/2	2-11	83	59	75	76	Splits	A9SS40	A9SRB32
A1#B4040		2 1/2	2 1/2-11	87	61	91	83	Splits	A9SS40	A9SRB40
A1#B4824		3	1 1/2-11	84	62	61	92	Splits	A9SS48	A9SRB24
A1#B4832		3	2-11	86	62	75	92	Splits	A9SS48	A9SRB32
A1#B4840		3	2 1/2-11	88	62	91	92	Splits	A9SS48	A9SRB40
A1#B4848		3	3-11	92	64	104	95	Splits	A9SS48	A9SRB48
A1#B5632		3 1/2	2-11	73	49	75	104	Splits	A9SS56	A9SRB32
A1#B6424		4	1 1/2-11	78	56	61	116	Splits	A9SS64	A9SRB24
A1#B6464		4	4-11	90	58	131	119	Splits	A9SS64	A9SRB64



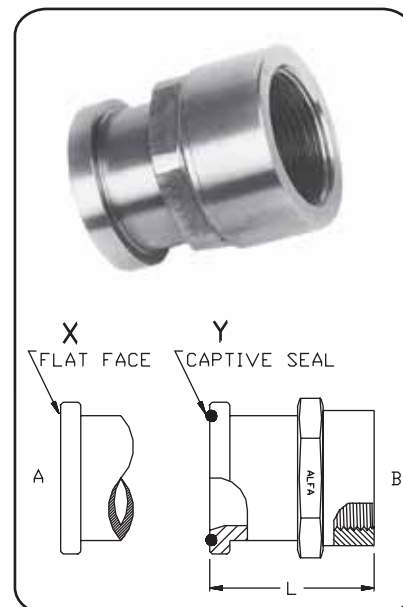
ORDER CODE EXAMPLE:

A1#B3224

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

INSERT 61 X BSPPF (ONE PIECE)

Part Number	R.R. Price	SAE A	BSPP B	L	Hex A/F	Flange Selection	SAE - A O-Ring
A1#BF0808		1/2	1/2-14	62	30	Splits	A9SS08
A1#BF1208		3/4	1/2-14	48	35	Splits	A9SS12
A1#BF1212		3/4	3/4-14	59	35	Splits	A9SS12
A1#BF1608		1	1/2-14	40	40	Splits	A9SS16
A1#BF1612		1	3/4-14	40	40	Splits	A9SS16
A1#BF1616		1	1-11	64	42	Splits	A9SS16
A1#BF2012		1 1/4	3/4-14	38	45	Splits	A9SS20
A1#BF2016		1 1/4	1-11	53	48	Splits	A9SS20
A1#BF2020		1 1/4	1 1/4-11	64	50	Splits	A9SS20
A1#BF2416		1 1/2	1-11	41	52	Splits	A9SS24
A1#BF2420		1 1/2	1 1/4-11	58	57	Splits	A9SS24
A1#BF2424		1 1/2	1 1/2-11	71	56	Splits	A9SS24
A1#BF3216		2	1-11	44	64	Splits	A9SS32
A1#BF3220		2	1 1/4-11	44	64	Splits	A9SS32
A1#BF3224		2	1 1/2-11	44	64	Splits	A9SS32
A1#BF3232		2	2-11	74	68	Splits	A9SS32
A1#BF4016		2 1/2	1-11	55	67	Either	A9SS40
A1#BF4032		2 1/2	2-11	56	76	Splits	A9SS40
A1#BF4040		2 1/2	2 1/2-11	88	83	Splits	A9SS40
A1#BF4816		3	1-11	58	81	Either	A9SS48
A1#BF4824		3	1 1/2-11	58	81	Either	A9SS48
A1#BF4832		3	2-11	59	92	Splits	A9SS48



ORDER CODE EXAMPLE:

A1#BF3224

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

Note:

1. Flange Specifications: [Reference Tables, page 193](#)
2. Thread Specifications: [Reference Tables, page 194](#)

Stainless (316L) Change 1st Letter from A to S.

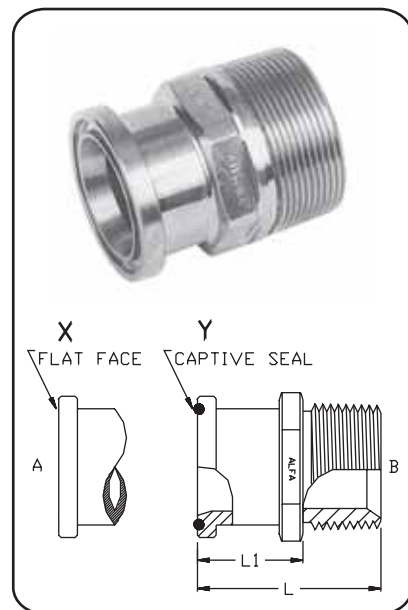
INSERT 61 X BSPT (ONE PIECE)

Part Number	R.R. Price	SAE A	BSPT B	L	L1	Hex A/F	Flange Selection	SAE - A O-Ring
A1#G0808		1/2	1/2-14	52	31	26	Splits	A9SS08
A1#G1208		3/4	1/2-14	58	37	33	Splits	A9SS12
A1#G1212		3/4	3/4-14	58	37	33	Splits	A9SS12
A1#G1612		1	3/4-14	61	40	40	Splits	A9SS16
A1#G1616		1	1-11	66	40	40	Splits	A9SS16
A1#G2012		1 1/4	3/4-14	59	38	45	Splits	A9SS20
A1#G2016		1 1/4	1-11	64	38	45	Splits	A9SS20
A1#G2020		1 1/4	1 1/4-11	65	38	47	Splits	A9SS20
A1#G2024		1 1/4	1 1/2-11	68	41	46	Splits	A9SS20
A1#G2416		1 1/2	1-11	67	41	52	Splits	A9SS24
A1#G2420		1 1/2	1 1/4-11	68	41	52	Splits	A9SS24
A1#G2424		1 1/2	1 1/2-11	68	41	52	Splits	A9SS24
A1#G2432		1 1/2	2-11	75	46	57	Splits	A9SS24
A1#G3224		2	1 1/2-11	71	44	64	Splits	A9SS32
A1#G3232		2	2-11	73	44	64	Splits	A9SS32
A1#G4032		2 1/2	2-11	85	56	76	Splits	A9SS40
A1#G4040		2 1/2	2 1/2-11	88	56	80	Splits	A9SS40
A1#G4848		3	3-11	93	59	92	Splits	A9SS48
A1#G6464		4	4-11	91	53	118	Splits	A9SS64

Note:

1. Flange Specifications: [Reference Tables, page 193](#)
2. Thread Specifications: [Reference Tables, page 197](#)

•Stainless (316L) Change 1st Letter from A to S.



ORDER CODE EXAMPLE:

A1#G3224

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

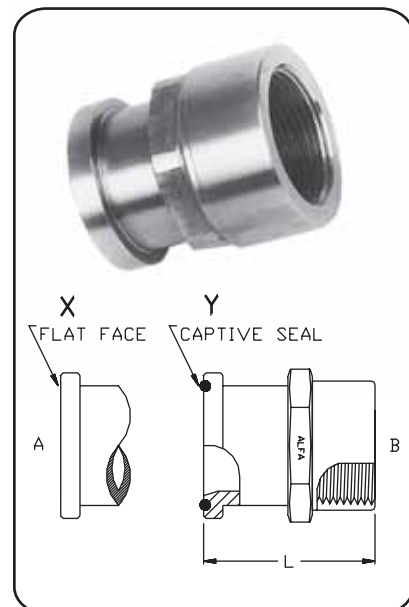
INSERT 61 X BSPTF (ONE PIECE)

Part Number	R.R. Price	SAE A	BSPT B	L	Hex A/F	Flange Selection	SAE - A O-Ring
A1#GF0808		1/2	1/2-14	58	26	Splits	A9SS08
A1#GF1212		3/4	3/4-14	64	37	Splits	A9SS12
A1#GF1216		3/4	1-11	77	38	Splits	A9SS12
A1#GF1616		1	1-11	71	44	Splits	A9SS16
A1#GF1620		1	1 1/4-11	81	48	Splits	A9SS16
A1#GF2020		1 1/4	1 1/4-11	70	48	Splits	A9SS20
A1#GF2024		1 1/4	1 1/2-11	84	56	Splits	A9SS20
A1#GF2424		1 1/2	1 1/2-11	75	56	Splits	A9SS24
A1#GF2432		1 1/2	2-11	91	67	Splits	A9SS24
A1#GF3232		2	2-11	78	67	Splits	A9SS32
A1#GF3240		2	2 1/2-11	94	81	Splits	A9SS32
A1#GF4040		2 1/2	2 1/2-11	93	81	Splits	A9SS40
A1#GF4048		2 1/2	3-11	99	93	Splits	A9SS40
A1#GF4848		3	3-11	98	93	Splits	A9SS48
A1#GF6464		4	4-11	96	121	Splits	A9SS64

Note:

1. Flange Specifications: [Reference Tables, page 193](#)
2. Thread Specifications: [Reference Tables, page 197](#)

•Stainless (316L) Change 1st Letter from A to S.



ORDER CODE EXAMPLE:

A1#GF3224

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

FLANGES & INSERTS SAE-CODE 61



INSERT 61 X JIC (ONE PIECE)

Part Number	R.R. Price	SAE A	JIC B	L	L1	Hex A/F	Flange Selection	SAE - A O-Ring
A1#J0812		1/2	3/4-16	47.7	31	26	Splits	A9SS08
A1#J0814		1/2	7/8-14	50.3	31	26	Splits	A9SS08
A1#J1212		3/4	3/4-16	53.7	37	33	Splits	A9SS12
A1#J1214		3/4	7/8-14	56.3	37	33	Splits	A9SS12
A1#J1217		3/4	1 1/16-12	58.9	37	33	Splits	A9SS12
A1#J1612		1	3/4-16	56.7	40	40	Splits	A9SS16
A1#J1614		1	7/8-14	59.3	40	40	Splits	A9SS16
A1#J1617		1	1 1/16-12	61.9	40	40	Splits	A9SS16
A1#J1621		1	1 5/16-12	63.1	40	40	Splits	A9SS16
A1#J1626		1	1 5/8-12	73.3	49	45	Splits	A9SS16
A1#J2014		1 1/4	7/8-14	57.3	38	45	Splits	A9SS20
A1#J2017		1 1/4	1 1/16-12	59.9	38	45	Splits	A9SS20
A1#J2021		1 1/4	1 5/16-12	61.1	38	45	Splits	A9SS20
A1#J2026		1 1/4	1 5/8-12	62.3	38	45	Splits	A9SS20
A1#J2030		1 1/4	1 7/8-12	68.5	41	45	Splits	A9SS20
A1#J2417		1 1/2	1 1/16-12	62.9	41	52	Splits	A9SS24
A1#J2421		1 1/2	1 5/16-12	64.1	41	52	Splits	A9SS24
A1#J2426		1 1/2	1 5/8-12	65.3	41	52	Splits	A9SS24
A1#J2430		1 1/2	1 7/8-12	68.5	41	52	Splits	A9SS24
A1#J3217		2	1 1/16-12	65.9	44	64	Splits	A9SS32
A1#J3221		2	1 5/16-12	67.1	44	64	Splits	A9SS32
A1#J3226		2	1 5/8-12	68.3	44	64	Splits	A9SS32
A1#J3230		2	1 7/8-12	71.5	44	64	Splits	A9SS32
A1#J3240		2	2 1/2-12	77.9	44	68	Splits	A9SS32
A1#J4030		2 1/2	1 7/8-12	83.5	56	76	Splits	A9SS40
A1#J4040		2 1/2	2 1/2-12	89.9	56	76	Splits	A9SS40
A1#J4048		2 1/2	3 IN-12	90	56	80	Splits	A9SS40

Note:

1. Flange Specifications: [Reference Tables, page 193](#)
2. Thread Specifications: [Reference Tables, page 198](#)

•Stainless (316L) Change 1st Letter from A to S.

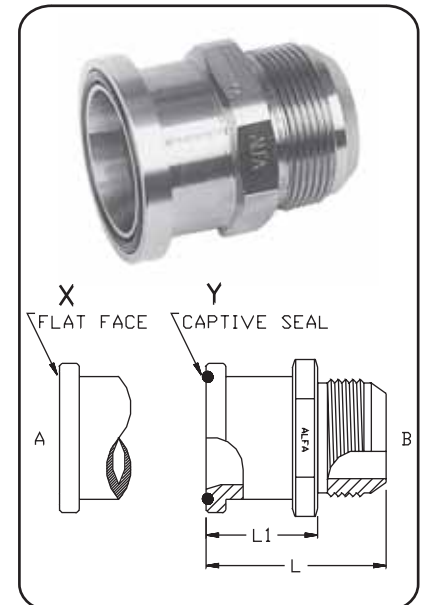
INSERT 61 X BLANK

Part Number	R.R. Price	SAE A	L	Flange Selection	SAE - A O-Ring
A1#C08		1/2	23	Either	A9SS08
A1#C12		3/4	26	Either	A9SS12
A1#C16		1	28	Either	A9SS16
A1#C20		1 1/4	26	Either	A9SS20
A1#C24		1 1/2	29	Either	A9SS24
A1#C32		2	30	Either	A9SS32
A1#C40		2 1/2	42	Either	A9SS40
A1#C48		3	45	Either	A9SS48
A1#C56		3 1/2	32	Either	A9SS56
A1#C64		4	39	Either	A9SS64
A1#C80		5	45	Either	A9SS80

Note:

1. Flange Specifications: [Reference Tables, page 193](#)

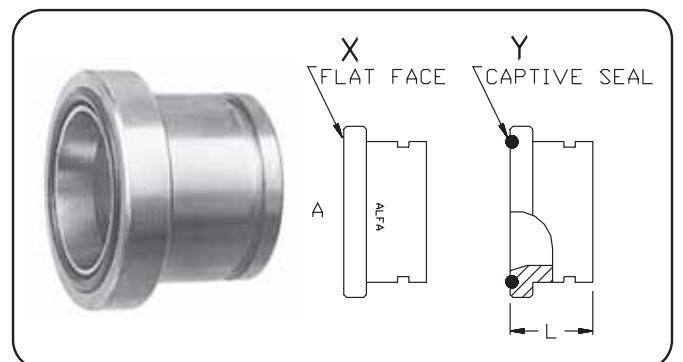
•Stainless (316L) Change 1st Letter from A to S.



ORDER CODE EXAMPLE:

A1#J3230

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal



ORDER CODE EXAMPLE:

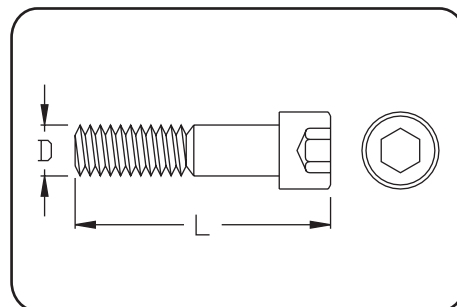
A1#C32

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

UNC S.H.C.S - SAE CODE 61 FLANGE ASSEMBLY

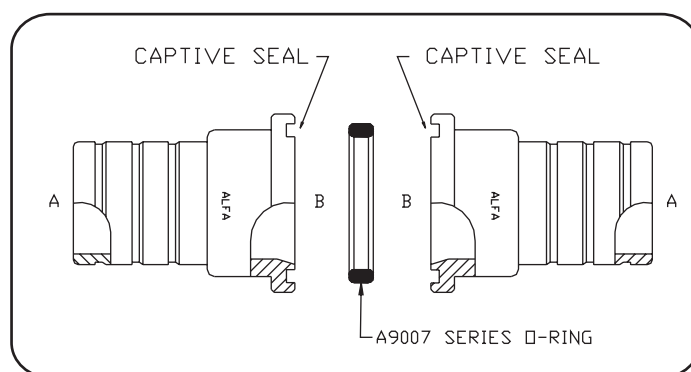
1

Part Number	R.R. Price	SAE Code-61	Bolt - Ø D	Type	L	Torque N-m (Nom.)
A9BUNC108		1/2	5/16	UNC	1 1/4	34
A9BUNC112		3/4	3/8	UNC	1 1/4	62
A9BUNC116		1	3/8	UNC	1 1/2	62
A9BUNC120		1 1/4	7/16	UNC	1 1/4	95
A9BUNC124		1 1/2	1/2	UNC	1 1/2	147
A9BUNC132		2	1/2	UNC	1 1/2	147
A9BUNC140		2 1/2	1/2	UNC	1 3/4	147
A9BUNC148		3	5/8	UNC	1 3/4	286
A9BUNC156		3 1/2	5/8	UNC	1 3/4	286
A9BUNC164		4	5/8	UNC	2	286
A9BUNC180		5	5/8	UNC	2 1/4	286



SAE CODE 61 DOUBLE O-RING "D" SEAL - NITRILE 90 DURO

Part Number	R.R. Price	SAE Code-61	SAE J518 Max Bar
A9007-08		1/2	400
A9007-12		3/4	400
A9007-16		1	400
A9007-20		1 1/4	400
A9007-24		1 1/2	400
A9007-32		2	400



Note:
DESIGNED TESTED AND ENGINEERED FOR JOINING TWO O-RING FACES TOGETHER WITH ONE SEAL

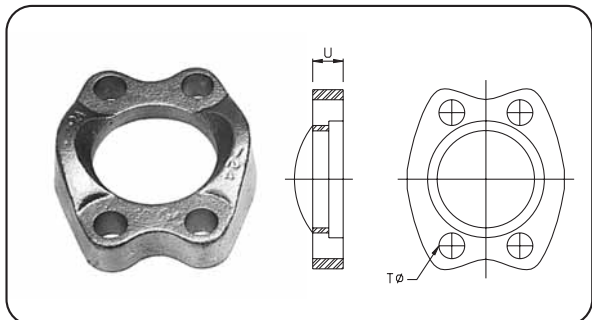
FLANGES & INSERTS SAE-CODE 62



2

Description	Part Number	Page No.
FLANGE 62 (ONE PIECE)	A2F	32
FLANGE 62 SPLIT (PAIR)	A2FS	32
FLANGE 62 X BUTT WELD PIPE (ONE PIECE)	A2FYP	33
FLANGE 62 X SOCKET WELD PIPE (ONE PIECE)	A2FYPS	34
FLANGE 62 X SOCKET WELD TUBE (ONE PIECE)	A2FYTS	35
FLANGE 62 X BSPP (ONE PIECE)	A2FYB	36
FLANGE 62 X BSPPF	A2FYBF	37
FLANGE 62 X BSPT (ONE PIECE)	A2FYG	38
FLANGE 62 X BSPTF	A2FYGF	38
FLANGE 62 X NPT (ONE PIECE)	A2FYN	39
FLANGE 62 X NPTF	A2FYNF	39
FLANGE 62 X JIC (ONE PIECE)	A2FYJ	40
FLANGE 62 X UNF-O	A2FYUF	41
FLANGE 62 X CONNECTOR (FOR RETAINING SPLIT FLANGES)	A2FC	41
FLANGE 62 BLANK (LOW PRESSURE)	A2FBL	42
FLANGE 62 BLANK	A2FB	42
REDUCING FLANGE 62 X FLANGE 61	A2FY1F	43
REDUCING FLANGE 62 X FLANGE 62	A2FY2F	43
CROSS - FLANGE 62	A2CF	44
ELBOW - FLANGE 62	A2EF	44
ELBOW - FLANGE 62 X BSPPF	A2EFBF	45
ELBOW - FLANGE 62 X SOCKET WELD TUBE	A2EFTS	45
TEE - FLANGE 62	A2TF	46
SIDE PORTED SPACER - FLANGE 62	A2SF	46
SIDE PORTED SPACER - FLANGE 62 X BSPPF	A2SFBF	47
INSERT 62 X BUTT WELD PIPE	A2YP	48
INSERT 62 X SOCKET WELD PIPE	A2YPS	49
INSERT 62 X BUTT WELD TUBE	A2YT	50
INSERT 62 X SOCKET WELD TUBE	A2YTS	50
INSERT 62 X BSPP MALE (ONE PIECE)	A2YB	51
INSERT 62 X BSPPF (ONE PIECE)	A2YBF	51
INSERT 62 X BSPT (ONE PIECE)	A2YG	52
INSERT 62 X BSPTF (ONE PIECE)	A2YGF	52
INSERT 62 X JIC (ONE PIECE)	A2YJ	53
INSERT 62 X BLANK	A2YC	53
UNC S.H.C.S - SAE CODE 62 FLANGE ASSEMBLY	A9BUNC	54
SAE CODE 62 DOUBLE O-RING "D" SEAL - NITRILE 90 DURO	A9007	54

FLANGE 62 (ONE PIECE)



Order Code Examples:

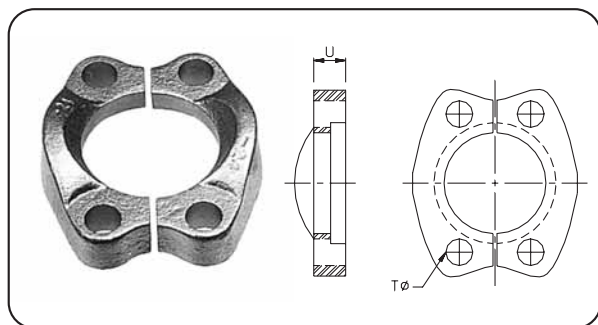
- A2F-16** Mtg Clearance Holes
- A2F-16M** Mtg Clearance Holes Metric (Not standard)
- A2F-16V** Mtg Tapped UNC
- A2F-16VM** Mtg Tapped Metric (Not standard)

Flange Specifications: [Reference Tables, page 193](#)

Stainless (316L) Change 1st Letter from A to S

Part Number	R.R. Price	SAE A	U	T - Ø Imperial	V - Thrd UNC	T - Ø Metric	V - Thrd Metric	Nom Unit Weight
A2F-08		1/2	18	8.7	5/16	8.7	8	0.18
A2F-12		3/4	22	10.3	3/8	10.7	10	0.32
A2F-16		1	27	11.9	7/16	12.7	12	0.48
A2F-20		1 1/4	31	13.5	1/2	14.7	14	0.75
A2F-24		1 1/2	35	16.7	5/8	16.7	16	1.20
A2F-32		2	42	19.8	3/4	21	20	2.03
A2F-40		2 1/2	48			25.4	24	5.44
A2F-48		3	58			31.8	30	10.50
A2F-64		4 (Alfa)	60			21	20	10.00

FLANGE 62 SPLIT (PAIR)



Order Code Examples:

- A2FS-16** Mtg Clearance Holes
- A2FS-16M** Mtg Clearance Holes Metric (Not standard)
- A2FS-16V** Mtg Tapped UNC
- A2FS-16VM** Mtg Tapped Metric (Not standard)

Flange Specifications: [Reference Tables, page 193](#)

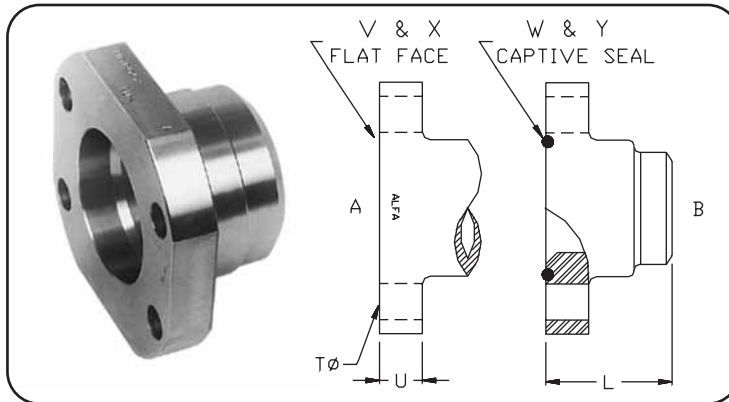
Stainless (316L) Change 1st Letter from A to S

Part Number	R.R. Price	SAE A	U	T - Ø Imperial	V - Thrd UNC	T - Ø Metric	V - Thrd Metric	Nom Unit Weight
A2FS-08		1/2	18	8.7	5/16	8.7	8	0.18
A2FS-12		3/4	22	10.3	3/8	10.7	10	0.32
A2FS-16		1	27	11.9	7/16	12.7	12	0.48
A2FS-20		1 1/4	31	13.5	1/2	14.7	14	0.75
A2FS-24		1 1/2	35	16.7	5/8	16.7	16	1.20
A2FS-32		2	42	19.8	3/4	21	20	2.03
A2FS-40		2 1/2	48			25.4	24	5.44
A2FS-48		3	58			31.8	30	10.50

FLANGES & INSERTS SAE-CODE 62



FLANGE 62 X BUTT WELD PIPE (ONE PIECE)



ORDER CODE EXAMPLE:

A2F#P3224?

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

- 2 = Pipe Schedule ([Reference Tables, page 202](#))
- D = Sched 40
- H = Sched 80
- P = Sched 160
- X = Double Extra Strong

For Metric Mtgs add M to Part No

e.g. A2FVP3224HM (Not standard)

Part Number	R.R. Price	SAE A	Pipe B	Pipe - Ø B	L	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Mat Grade or Equiv.	Availability
A2F#P0808?		1/2	1/2	21.3	45	16	5/16	8.7	A9SS08	AS1442/1020	V,X,Y
A2F#P1212?		3/4	3/4	26.7	50	19	3/8	10.3	A9SS12	AS1442/1020	V,X,Y
A2F#P1616?		1	1	33.4	57	24	7/16	11.9	A9SS16	AS1442/1020	V,X,Y
A2F#P1620?		1	1 1/4	42.2	57	24	7/16	11.9	A9SS16	AS1442/1020	V,X,Y
A2F#P2020?		1 1/4	1 1/4	42.2	62	27	1/2	13.5	A9SS20	AS1442/1020	V,X,Y
A2F#P2024?		1 1/4	1 1/2	48.3	62	27	1/2	13.5	A9SS20	AS1442/1020	V,X,Y
A2F#P2420?		1 1/2	1 1/4	42.2	68	30	5/8	16.7	A9SS24	AS1442/1020	V,X,Y
A2F#P2424?		1 1/2	1 1/2	48.3	68	30	5/8	16.7	A9SS24	AS1442/1020	V,X,Y
A2F#P2432?		1 1/2	2	60.3	69	30	5/8	16.7	A9SS24	AS1442/1020	V,X,Y
A2F#P3224?		2	1 1/2	48.3	78	37	3/4	19.8	A9SS32	AS1442/1020	V,X,Y
A2F#P3232?		2	2	60.3	79	37	3/4	19.8	A9SS32	AS1442/1020	V,X,Y
A2F#P3240?		2	2 1/2	73.0	80	37	3/4	19.8	A9SS32	AS1442/1020	V,X,Y
A2F#P4040?		2 1/2	2 1/2	73.0	95	46	24mm	25.4	A9SS40	AS1442/1020	V,X,Y
A2F#P4848?		3	3	88.9	112	56	30mm	31.8	A9SS48	AS1442/1020	V,X,Y
A2F#P6464?		4 (Alfa)	4	114.3	106	60	20mm	21.0	A9SS64	AS1442/1020	V,X,Y

Note:

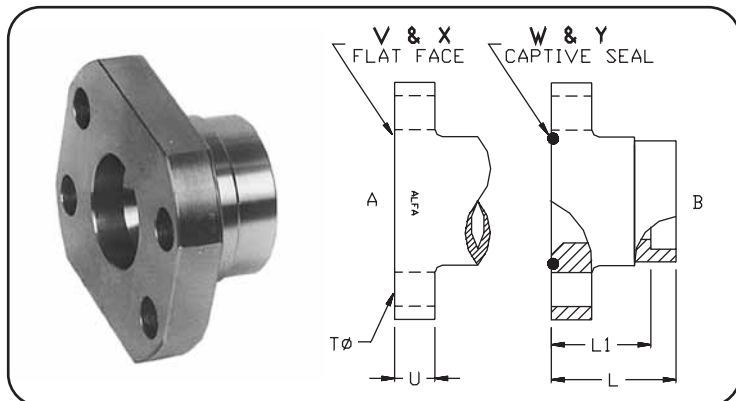
1. Length L stated for Sched 80 (H) with weld prep. @ 45 deg.
2. Lengths for other pipe schedules vary by the difference of weld prep.

A Flange Specifications: [Reference Tables, page 193](#)

B Pipe Specifications: [Reference Tables, page 202](#)

Stainless (316L) Change 1st Letter from A to S.

FLANGE 62 X SOCKET WELD PIPE (ONE PIECE)



ORDER CODE EXAMPLE:

A2F#PS3224?

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes
- 2 = C or F
- C = Series 3,000 lbs = Sched 80 (Socket Weld)
- F = Series 6,000 lbs = Sched 160 (Socket Weld)

For Metric Mtgs add M to Part No

e.g. A2FVPS3224CM (Not standard)

Part Number	R.R. Price	SAE A	Pipe B	Pipe - Ø B	L	L1	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Mat Grade or Equiv.	C - 3000lbs Availability	F - 6000lbs Availability
A2F#PS0808?		1/2	1/2	21.3	42	32	16	5/16	8.7	A9SS08	AS1442/1020	V,X,Y	V
A2F#PS1212?		3/4	3/4	26.7	47	34	19	3/8	10.3	A9SS12	AS1442/1020	V,X,Y	V
A2F#PS1612?		1	3/4	26.7	53	40	24	7/16	11.9	A9SS16	AS1442/1020	V,X,Y	V
A2F#PS1616?		1	1	33.4	53	40	24	7/16	11.9	A9SS16	AS1442/1020	V,X,Y	V
A2F#PS2016?		1 1/4	1	33.4	58	45	27	1/2	13.5	A9SS20	AS1442/1020	V,X,Y	V
A2F#PS2020?		1 1/4	1 1/4	42.2	58	45	27	1/2	13.5	A9SS20	AS1442/1020	V	V
A2F#PS2420?		1 1/2	1 1/4	42.2	64	51	30	5/8	16.7	A9SS24	AS1442/1020	V,X,Y	V,X,Y
A2F#PS2424?		1 1/2	1 1/2	48.3	64	51	30	5/8	16.7	A9SS24	AS1442/1020	V,X,Y	V
A2F#PS3224?		2	1 1/2	48.3	74	61	37	3/4	19.8	A9SS32	AS1442/1020	V,X,Y	V,X,Y
A2F#PS3232?		2	2	60.3	74	58	37	3/4	19.8	A9SS32	AS1442/1020	V,X,Y	V,X,Y

A Flange Specifications: [Reference Tables, page 193](#)

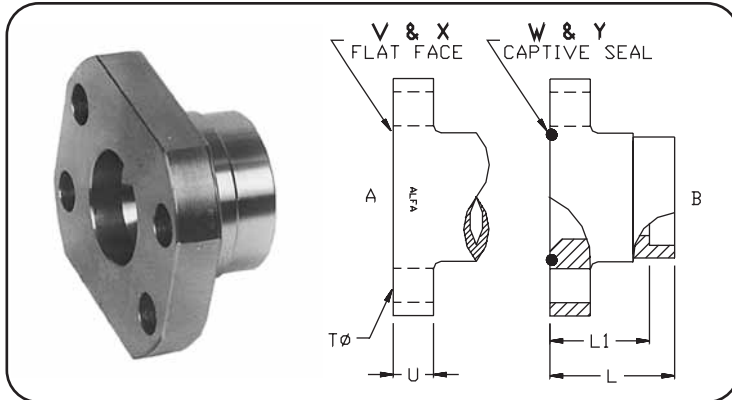
B Pipe Specifications: [Reference Tables, page 202](#)

Stainless (316L) Change 1st Letter from A to S.

FLANGES & INSERTS SAE-CODE 62



FLANGE 62 X SOCKET WELD TUBE (ONE PIECE)



ORDER CODE EXAMPLE:

A2F#TS3224

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No

e.g. A2FVTS3224M (Not standard)

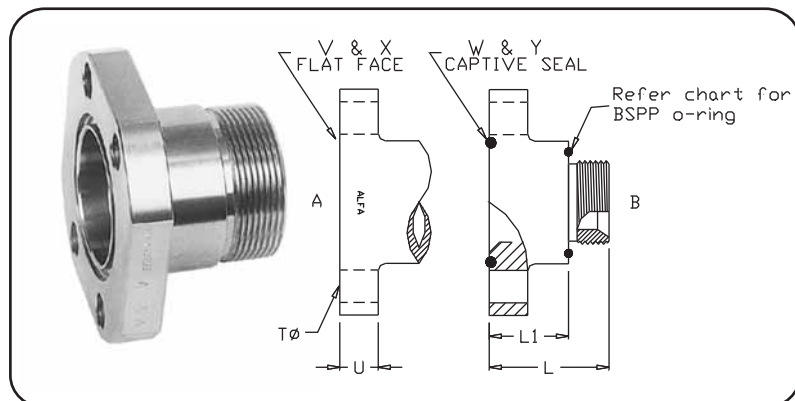
Part Number	R.R. Price	SAE A	Tube B	Tube - Ø B	L	L1	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Mat Grade or Equiv.	Availability
A2F#TS0808		1/2	1/2	12.70	42	32	16	5/16	8.7	A9SS08	AS1442/1020	V,X,Y
A2F#TS0812		1/2	3/4	19.05	42	32	16	5/16	8.7	A9SS08	AS1442/1020	V,X,Y
A2F#TS1208		3/4	1/2	12.70	47	37	19	3/8	10.3	A9SS12	AS1442/1020	V,X,Y
A2F#TS1212		3/4	3/4	19.05	47	37	19	3/8	10.3	A9SS12	AS1442/1020	V,X,Y
A2F#TS1216		3/4	1	25.40	47	34	19	3/8	10.3	A9SS12	AS1442/1020	V,X,Y
A2F#TS1612		1	3/4	19.05	53	43	24	7/16	11.9	A9SS16	AS1442/1020	V,X,Y
A2F#TS1616		1	1	25.40	53	40	24	7/16	11.9	A9SS16	AS1442/1020	V,X,Y
A2F#TS1620		1	1 1/4	31.75	53	40	24	7/16	11.9	A9SS16	AS1442/1020	V,X,Y
A2F#TS2016		1 1/4	1	25.40	58	45	27	1/2	13.5	A9SS20	AS1442/1020	V,X,Y
A2F#TS2020		1 1/4	1 1/4	31.75	58	45	27	1/2	13.5	A9SS20	AS1442/1020	V,X,Y
A2F#TS2024		1 1/4	1 1/2	38.10	58	45	27	1/2	13.5	A9SS20	AS1442/1020	V,X,Y
A2F#TS2420		1 1/2	1 1/4	31.75	64	51	30	5/8	16.7	A9SS24	AS1442/1020	V,X,Y
A2F#TS2424		1 1/2	1 1/2	38.10	64	51	30	5/8	16.7	A9SS24	AS1442/1020	V,X,Y
A2F#TS2432		1 1/2	2	50.80	64	51	30	5/8	16.7	A9SS24	AS1442/1020	V,X,Y
A2F#TS3224		2	1 1/2	38.10	74	61	37	3/4	19.8	A9SS32	AS1442/1020	V,X,Y
A2F#TS3232		2	2	50.80	74	61	37	3/4	19.8	A9SS32	AS1442/1020	V,X,Y

A Flange Specifications: [Reference Tables, page 193](#)

B Tube Specifications: [Reference Tables, page 203](#)

•**Stainless** (316L) Change 1st Letter from A to S.

FLANGE 62 X BSPP (ONE PIECE)



ORDER CODE EXAMPLE:

A2F#B3224

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No
e.g. A2FVB3224M (Not standard)

Part Number	R.R. Price	SAE A	BSPP B	L	L1	U	T - UNC	BSPP O-Ring	X & Y T - Ø	BSPP O-Ring	SAE - A O-Ring	Availability
A2F#B0808		1/2	1/2-14	41	27	16	5/16	YES	8.7	NO	A9SS08	V,X,Y
A2F#B1208		3/4	1/2-14	46	32	19	3/8	YES	10.3	YES	A9SS12	V,X,Y
A2F#B1212		3/4	3/4-14	48	32	19	3/8	YES	10.3	YES	A9SS12	V,X,Y
A2F#B1612		1	3/4-14	54	38	24	7/16	YES	11.9	YES	A9SS16	V,X,Y
A2F#B1616		1	1-11	56	38	24	7/16	YES	11.9	NO	A9SS16	V,X,Y
A2F#B2016		1 1/4	1-11	61	43	27	1/2	YES	13.5	YES	A9SS20	V,X,Y
A2F#B2020		1 1/4	1 1/4-11	63	43	27	1/2	YES	13.5	NO	A9SS20	V,X,Y
A2F#B2416		1 1/2	1-11	67	49	30	5/8	YES	16.7	YES	A9SS24	V,X,Y
A2F#B2420		1 1/2	1 1/4-11	69	49	30	5/8	YES	16.7	YES	A9SS24	V,X,Y
A2F#B2424		1 1/2	1 1/2-11	71	49	30	5/8	YES	16.7	YES	A9SS24	V,X,Y
A2F#B3216		2	1-11	77	59	37	3/4	YES	19.8	YES	A9SS32	V,X,Y
A2F#B3224		2	1 1/2-11	81	59	37	3/4	YES	19.8	YES	A9SS32	V,X,Y
A2F#B3232		2	2-11	83	59	37	3/4	YES	19.8	YES	A9SS32	V,X,Y

Note:

1. BSPP Sealing

YES = Encapsulated O-Ring & 60 deg Internal seat

NO = 60 deg Internal seat only

A Flange Specifications: [Reference Tables, page 193](#)

B Thread Specifications: [Reference Tables, page 194](#)

• **Stainless** (316L) Change 1st Letter from A to S

FLANGES & INSERTS SAE-CODE 62



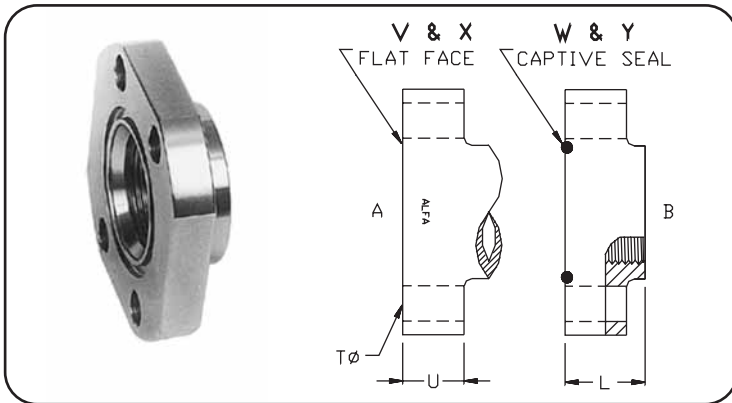
FLANGE 62 X BSPPF

ORDER CODE EXAMPLE:

A2F#BF3224

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No
e.g. A2FVBF3216M (Not standard)



Part Number	R.R. Price	SAE A	BSPPF B	L	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Availability
A2F#BF0808		1/2	1/2-14	25	16	5/16	8.7	A9SS08	V
A2F#BF1208		3/4	1/2-14	30	19	3/8	10.3	A9SS12	V,X,Y
A2F#BF1212		3/4	3/4-14	30	19	3/8	10.3	A9SS12	V,X,Y
A2F#BF1612		1	3/4-14	36	24	7/16	11.9	A9SS16	V,X,Y
A2F#BF1616		1	1-11	36	24	7/16	11.9	A9SS16	V
A2F#BF2016		1 1/4	1-11	41	27	1/2	13.5	A9SS20	V,X,Y
A2F#BF2416		1 1/2	1-11	47	30	5/8	16.7	A9SS24	V,X,Y
A2F#BF2420		1 1/2	1 1/4-11	47	30	5/8	16.7	A9SS24	V,X,Y
A2F#BF2424		1 1/2	1 1/2-11	47	30	5/8	16.7	A9SS24	V,X,Y
A2F#BF3216		2	1-11	57	37	3/4	19.8	A9SS32	V,X,Y
A2F#BF3224		2	1 1/2-11	57	37	3/4	19.8	A9SS32	V,X,Y
A2F#BF3232		2	2-11	57	37	3/4	19.8	A9SS32	V,X,Y

A Flange Specifications: [Reference Tables, page 193](#)

B Thread Specifications: [Reference Tables, page 194](#)

•Stainless (316L) Change 1st Letter from A to S

2

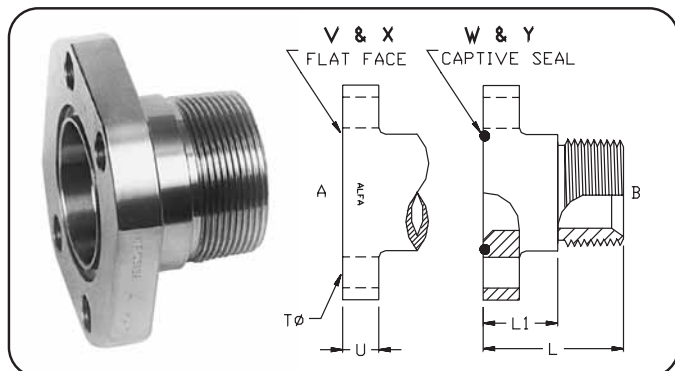
FLANGE 62 X BSPT (ONE PIECE)

ORDER CODE EXAMPLE:

A2F#G3224

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No
e.g. A2FVG3224M (Not standard)



Part Number	R.R. Price	SAE A	BSPT B	L	L1	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Availability
A2F#G0808		1/2	1/2-14	48	27	16	5/16	8.7	A9SS08	V,X,Y
A2F#G1208		3/4	1/2-14	53	32	19	3/8	10.3	A9SS12	V,X,Y
A2F#G1212		3/4	3/4-14	53	32	19	3/8	10.3	A9SS12	V,X,Y
A2F#G1612		1	3/4-14	59	38	24	7/16	11.9	A9SS16	V,X,Y
A2F#G1616		1	1-11	64	38	24	7/16	11.9	A9SS16	V,X,Y
A2F#G2016		1 1/4	1-11	69	43	27	1/2	13.5	A9SS20	V,X,Y
A2F#G2020		1 1/4	1 1/4-11	70	43	27	1/2	13.5	A9SS20	V,X,Y
A2F#G2420		1 1/2	1 1/4-11	76	49	30	5/8	16.7	A9SS24	V,X,Y
A2F#G2424		1 1/2	1 1/2-11	76	49	30	5/8	16.7	A9SS24	V,X,Y
A2F#G3224		2	1 1/2-11	86	59	37	3/4	19.8	A9SS32	V,X,Y
A2F#G3232		2	2-11	88	59	37	3/4	19.8	A9SS32	V,X,Y

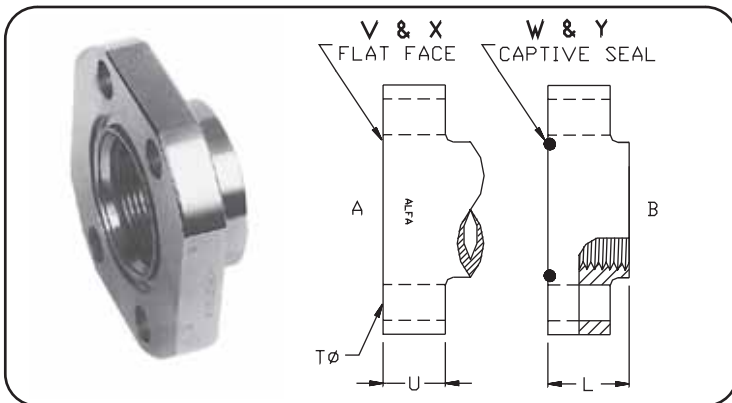
FLANGE 62 X BSPTF

ORDER CODE EXAMPLE:

A2F#GF3224

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No
e.g. A2FVG3224M (Not standard)



Part Number	R.R. Price	SAE A	BSPTF B	L	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Availability
A2F#GF1208		3/4	1/2-14	30	19	3/8	10.3	A9SS12	V,X,Y
A2F#GF1212		3/4	3/4-14	30	19	3/8	10.3	A9SS12	V,X,Y
A2F#GF1612		1	3/4-14	36	24	7/16	11.9	A9SS16	V,X,Y
A2F#GF1616		1	1-11	36	24	7/16	11.9	A9SS16	V,X,Y
A2F#GF2016		1 1/4	1-11	41	27	1/2	13.5	A9SS20	V,X,Y
A2F#GF2420		1 1/2	1 1/4-11	47	30	5/8	16.7	A9SS24	V,X,Y
A2F#GF2424		1 1/2	1 1/2-11	47	30	5/8	16.7	A9SS24	V,X,Y
A2F#GF3224		2	1 1/2-11	57	37	3/4	19.8	A9SS32	V,X,Y
A2F#GF3232		2	2-11	57	37	3/4	19.8	A9SS32	V,X,Y

FLANGES & INSERTS SAE-CODE 62



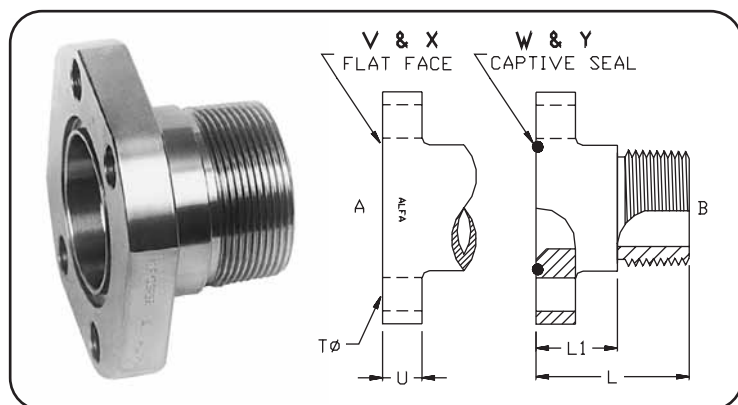
FLANGE 62 X NPT (ONE PIECE)

ORDER CODE EXAMPLE:

A2F#N2420

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No
e.g. A2FVN2420M (Not standard)



Part Number	R.R. Price	SAE A	NPT B	L	L1	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Availability
A2F#N1212		3/4	3/4-14	53	32	19	3/8	10.3	A9SS12	V,X,Y
A2F#N1616		1	1-11.5	64	38	24	7/16	11.9	A9SS16	V,X,Y
A2F#N2016		1 1/4	1-11.5	69	43	27	1/2	13.5	A9SS20	V,X,Y
A2F#N2020		1 1/4	1 1/4-11.5	70	43	27	1/2	13.5	A9SS20	V,X,Y
A2F#N2420		1 1/2	1 1/4-11.5	76	49	30	5/8	16.7	A9SS24	V,X,Y
A2F#N2424		1 1/2	1 1/2-11.5	76	49	30	5/8	16.7	A9SS24	V,X,Y
A2F#N3232		2	2-11.5	88	59	37	3/4	19.8	A9SS32	V,X,Y

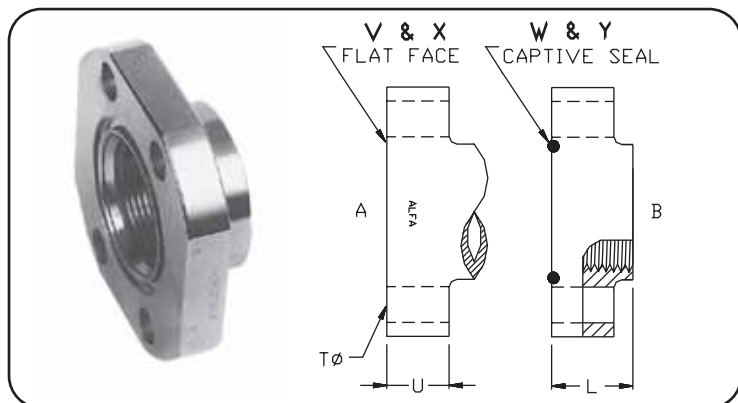
FLANGE 62 X NPTF

ORDER CODE EXAMPLE:

A2F#NF3224

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No
e.g. A2FVNF3224M (Not standard)



Part Number	R.R. Price	SAE A	NPTF B	L	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Availability
A2F#NF1208		3/4	1/2-14	30	19	3/8	10.3	A9SS12	V,X,Y
A2F#NF1212		3/4	3/4-14	30	19	3/8	10.3	A9SS12	V,X,Y
A2F#NF1612		1	3/4-14	36	24	7/16	11.9	A9SS16	V,X,Y
A2F#NF1616		1	1-11.5	36	24	7/16	11.9	A9SS16	V,X,Y
A2F#NF2016		1 1/4	1-11.5	41	27	1/2	13.5	A9SS20	V,X,Y
A2F#NF2020		1 1/4	1 1/4-11.5	41	27	1/2	13.5	A9SS20	V
A2F#NF2420		1 1/2	1 1/4-11.5	47	30	5/8	16.7	A9SS24	V,X,Y
A2F#NF2424		1 1/2	1 1/2-11.5	47	30	5/8	16.7	A9SS24	V,X,Y
A2F#NF3224		2	1 1/2-11.5	57	37	3/4	19.8	A9SS32	V,X,Y
A2F#NF3232		2	2-11.5	57	37	3/4	19.8	A9SS32	V,X,Y

A Flange Specifications: [Reference Tables, page 193](#)

B Thread Specifications: [Reference Tables, page 198](#)

•Stainless (316L) Change 1st Letter from A to S

FLANGE 62 X JIC (ONE PIECE)

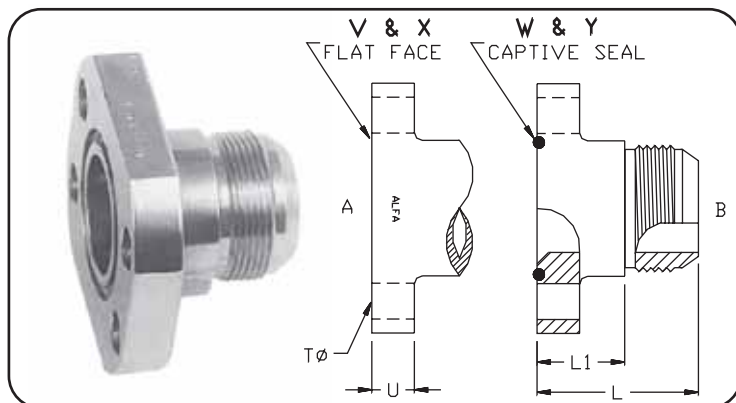
ORDER CODE EXAMPLE:

A2F#J1621

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No

e.g. A2FVJ1621M (Not standard)



Part Number	R.R. Price	SAE A	JIC B	L	L1	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Availability
A2F#J0812		1/2	3/4-16	44	27.3	16	5/16	8.7	A9SS08	V,X,Y
A2F#J0814		1/2	7/8-14	46	26.7	16	5/16	8.7	A9SS08	V,X,Y
A2F#J0817		1/2	1 1/16-12	49	27.1	16	5/16	8.7	A9SS08	V,X,Y
A2F#J1217		3/4	1 1/16-12	54	32.1	19	3/8	10.3	A9SS12	V,X,Y
A2F#J1221		3/4	1 5/16-12	55	31.9	19	3/8	10.3	A9SS12	V,X,Y
A2F#J1621		1	1 5/16-12	61	37.9	24	7/16	11.9	A9SS16	V,X,Y
A2F#J1626		1	1 5/8-12	63	38.7	24	7/16	11.9	A9SS16	V,X,Y
A2F#J2017		1 1/4	1 1/16-12	65	43.1	27	1/2	13.5	A9SS20	V,X,Y
A2F#J2021		1 1/4	1 5/16-12	66	42.9	27	1/2	13.5	A9SS20	V,X,Y
A2F#J2026		1 1/4	1 5/8-12	67	42.7	27	1/2	13.5	A9SS20	V,X,Y
A2F#J2030		1 1/4	1 7/8-12	70	42.5	27	1/2	13.5	A9SS20	V,X,Y
A2F#J2417		1 1/2	1 1/16-12	71	49.1	30	5/8	16.7	A9SS24	V,X,Y
A2F#J2421		1 1/2	1 5/16-12	72	48.9	30	5/8	16.7	A9SS24	V,X,Y
A2F#J2426		1 1/2	1 5/8-12	73	48.7	30	5/8	16.7	A9SS24	V,X,Y
A2F#J2430		1 1/2	1 7/8-12	77	49.5	30	5/8	16.7	A9SS24	V,X,Y
A2F#J3221		2	1 5/16-12	82	58.9	37	3/4	19.8	A9SS32	V,X,Y
A2F#J3226		2	1 5/8-12	84	59.7	37	3/4	19.8	A9SS32	V,X,Y
A2F#J3230		2	1 7/8-12	87	59.5	37	3/4	19.8	A9SS32	V,X,Y
A2F#J3240		2	2 1/2-12	93	59.1	37	3/4	19.8	A9SS32	V,X,Y

A Flange Specifications: [Reference Tables, page 193](#)

B Thread Specifications: [Reference Tables, page 198](#)

•Stainless (316L) Change 1st Letter from A to S

FLANGE 62 X UNF-O

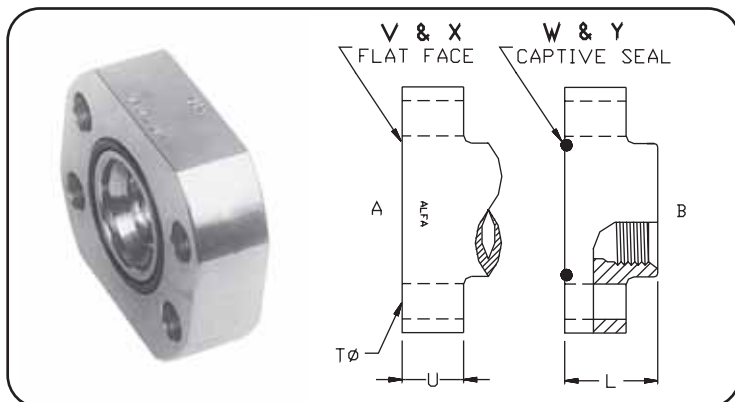
ORDER CODE EXAMPLE:

A2F#UF1621

- # = V, X, or Y
- V = Flat Face - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

For Metric Mtgs add M to Part No
e.g. A2FVUF1621M (Not Standard)

•Stainless (316L) Change 1st Letter from A to S

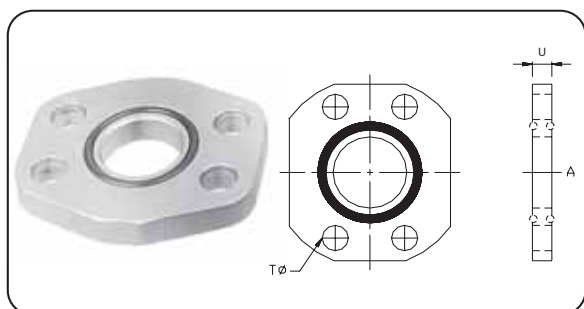


Part Number	R.R. Price	SAE A	UNF-O B	L	U	T - UNC	X & Y T - Ø	SAE - A O-Ring	Availability
A2F#UF0812		1/2	3/4-16	25	16	5/16	8.7	A9SS08	V,X,Y
A2F#UF1217		3/4	1 1/16-12	30	19	3/8	10.3	A9SS12	V
A2F#UF1617		1	1 1/16-12	36	24	7/16	11.9	A9SS16	V,X,Y
A2F#UF1621		1	1 5/16-12	36	24	7/16	11.9	A9SS16	V
A2F#UF2017		1 1/4	1 1/16-12	41	27	1/2	13.5	A9SS20	V,X,Y
A2F#UF2021		1 1/4	1 5/16-12	41	27	1/2	13.5	A9SS20	V,X,Y
A2F#UF2026		1 1/4	1 5/8-12	41	27	1/2	13.5	A9SS20	V
A2F#UF2426		1 1/2	1 5/8-12	47	30	5/8	16.7	A9SS24	V,X,Y
A2F#UF2430		1 1/2	1 7/8-12	47	30	5/8	16.7	A9SS24	V
A2F#UF3221		2	1 5/16-12	57	37	3/4	19.8	A9SS32	V,X,Y
A2F#UF3226		2	1 5/8-12	57	37	3/4	19.8	A9SS32	V,X,Y
A2F#UF3230		2	1 7/8-12	57	37	3/4	19.8	A9SS32	V,X,Y

A Flange Specifications: [Reference Tables, page 193](#)

B Thread Specifications: [Reference Tables, page 200](#)

FLANGE 62 X CONNECTOR (FOR RETAINING SPLIT FLANGES)



ORDER CODE EXAMPLE:

A2FC-16##

- ## = X, or Y
- XX = Flat Face/Flat Face
- XY = Flat Face/O-Ring Seal
- YY = O-Ring Seal/O-Ring Seal

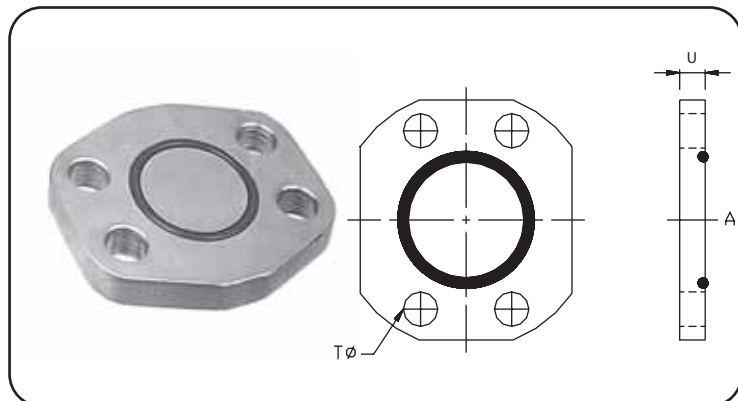
Note:

Flange Specifications: [Reference Tables, page 193](#)

•Stainless (316L) Change 1st Letter from A to S

Part Number	R.R. Price	SAE A	U	T - Ø	SAE - A O-Ring
A2FC-08##		1/2	10	8.7	A9SS08
A2FC-12##		3/4	10	10.7	A9SS12
A2FC-16##		1	10	12.7	A9SS16
A2FC-20##		1 1/4	10	14.7	A9SS20
A2FC-24##		1 1/2	10	16.7	A9SS24
A2FC-32##		2	10	21.0	A9SS32

FLANGE 62 BLANK (LOW PRESSURE)



ORDER CODE EXAMPLE:

A2FBL-16 Mtg Clearance Holes

A2FBL-16V Mtg Tapped UNC

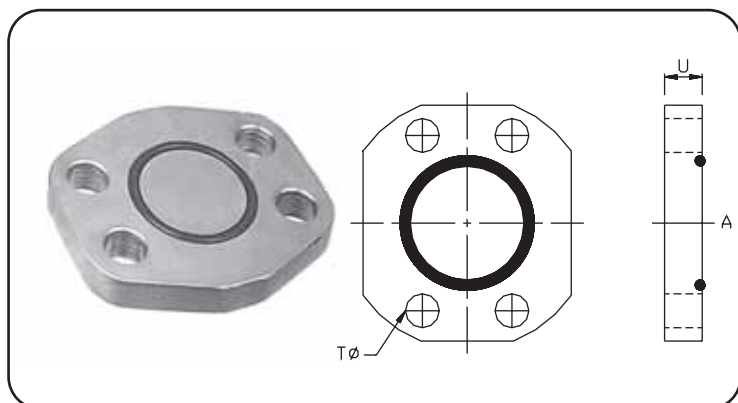
A2FBL-16VM Mtg Tapped Metric

For Metric Mtgs add M to Part No

e.g. A2FBL-16VM (Not standard)

Part Number	R.R. Price	SAE A	U	V - Thrd UNC	V - Thrd Metric	T - Ø	Max (Bar) Pressure	SAE - A O-Ring
A2FBL-08		1/2	10	5/16	8	8.7	7	A9SS08
A2FBL-12		3/4	10	3/8	10	10.3	7	A9SS12
A2FBL-16		1	10	7/16	12	11.9	7	A9SS16
A2FBL-20		1 1/4	10	1/2	14	13.5	7	A9SS20
A2FBL-24		1 1/2	10	5/8	16	16.7	7	A9SS24
A2FBL-32		2	10	3/4	20	19.8	7	A9SS32
A2FBL-40		2 1/2	10		24	25.4	7	A9SS40
A2FBL-48		3	10		30	31.8	7	A9SS48

FLANGE 62 BLANK



ORDER CODE EXAMPLE:

A2FB-16 Mtg Clearance Holes

A2FB-16V Mtg Tapped UNC

A2FBL-16VM Mtg Tapped Metric

For Metric Mtgs add M to Part No

e.g. A2FB-16VM (Not standard)

Part Number	R.R. Price	SAE A	U	V - Thrd UNC	V - Thrd Metric	T - Ø	Max (Bar) Pressure	SAE - A O-Ring
A2FB-08		1/2	16	5/16	8	8.7	400	A9SS08
A2FB-12		3/4	19	3/8	10	10.3	400	A9SS12
A2FB-16		1	24	7/16	12	11.9	400	A9SS16
A2FB-20		1 1/4	27	1/2	14	13.5	400	A9SS20
A2FB-24		1 1/2	30	5/8	16	16.7	400	A9SS24
A2FB-32		2	37	3/4	20	19.8	400	A9SS32
A2FB-40		2 1/2	46		24	25.4	400 (NATA)	A9SS40
A2FB-48		3	56		30	31.8	400 (NATA)	A9SS48
A2FB-64		4	60		20	21.0	400 (NATA)	A9SS64

A Flange Specifications: [Reference Tables, page 193](#)

•Stainless (316L) Change 1st Letter from A to S

FLANGES & INSERTS SAE-CODE 62



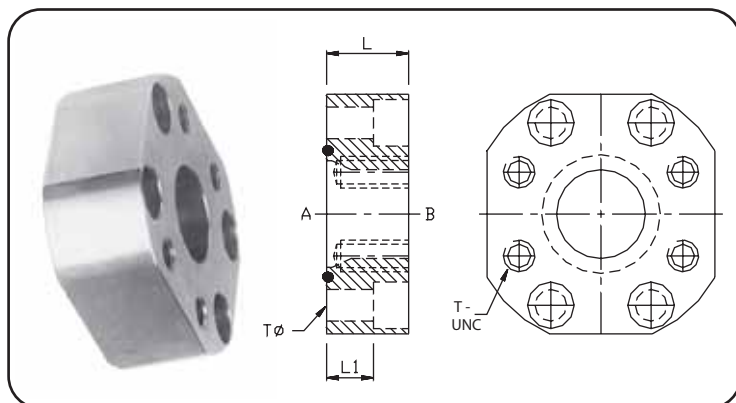
REDUCING FLANGE 62 X FLANGE 61

ORDER CODE EXAMPLE:

A2F#1F2416

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

For Metric Mtgs add M to Part No
e.g. A2FY1F2416M (Not Standard)



Part Number	R.R. Price	SAE - 62 A	SAE - 61 B	Flange Length	Flange Width	L	L1	SAE - A T - Ø	SAE - B T - UNC	SAE - B T - Metric	SAE - A O-Ring
A2F#1F1208		3/4	1/2	71	60	35	20	10.3	5/16	8	A9SS12
A2F#1F1612		1	3/4	81	70	40	25	11.9	3/8	10	A9SS16
A2F#1F1616		1	1	81	70	30	15	11.9	3/8	10	A9SS16
A2F#1F2016		1 1/4	1	95	78	40	25	13.5	3/8	10	A9SS20
A2F#1F2020		1 1/4	1 1/4	95	78	30	15	13.5	7/16	10	A9SS20
A2F#1F2420		1 1/2	1 1/4	113	95	40	20	16.7	7/16	10	A9SS24
A2F#1F2424		1 1/2	1 1/2	113	95	30	10	16.7	1/2	12	A9SS24
A2F#1F3224		2	1 1/2	133	114	40	15	19.8	1/2	12	A9SS32
A2F#1F3232		2	2	133	114	40	15	19.8	1/2	12	A9SS32
A2F#1F3240		2	2 1/2	133	114	40	15	19.8	1/2	12	A9SS32

Note:

WE NOW DO EXPANDER FLANGES!

REDUCING FLANGE 62 X FLANGE 62

Part Number	R.R. Price	SAE - 62 A	SAE - 62 B	Flange Length	Flange Width	L	L1	SAE - A T - Ø	SAE - B T - UNC	SAE - B T - Metric	SAE - A O-Ring
A2F#2F0808		1/2	1/2	56	56	20	10	8.7	5/16	8	A9SS08
A2F#2F1208		3/4	1/2	71	60	35	20	10.3	5/16	8	A9SS12
A2F#2F1212		3/4	3/4	71	71	25	10	10.3	3/8	10	A9SS12
A2F#2F1612		1	3/4	81	70	40	25	11.9	3/8	10	A9SS16
A2F#2F1616		1	1	81	81	30	15	11.9	7/16	12	A9SS16
A2F#2F2012		1 1/4	3/4	95	78	40	25	13.5	3/8	10	A9SS20
A2F#2F2016		1 1/4	1	95	78	40	25	13.5	7/16	12	A9SS20
A2F#2F2020		1 1/4	1 1/4	95	95	30	15	13.5	1/2	14	A9SS20
A2F#2F2412		1 1/2	3/4	113	95	40	20	16.7	3/8	10	A9SS24
A2F#2F2416		1 1/2	1	113	95	40	20	16.7	7/16	12	A9SS24
A2F#2F2420		1 1/2	1 1/4	113	95	45	25	16.7	1/2	14	A9SS24
A2F#2F2424		1 1/2	1 1/2	113	113	40	20	16.7	5/8	16	A9SS24
A2F#2F3216		2	1	133	114	50	25	19.8	7/16	12	A9SS32
A2F#2F3220		2	1 1/4	133	114	45	20	19.8	1/2	14	A9SS32
A2F#2F3224		2	1 1/2	133	114	50	25	19.8	5/8	16	A9SS32
A2F#2F3232		2	2	133	133	45	20	19.8	3/4	20	A9SS32
A2F#2F4032		2 1/2	2	175	149	60	30	25.4	3/4	20	A9SS40
A2F#2F4832		3	2	216	178	70	35	31.8	3/4	20	A9SS48
A2F#2F4840		3	2 1/2	216	178	65	30	31.8	24mm	24	A9SS48

Note:

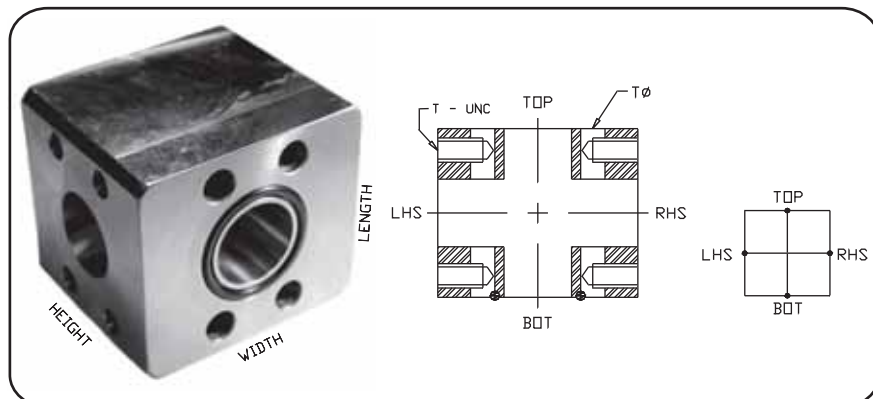
- For Metric Mtgs add M to Part No
e.g. A2FY2F2416M (Not standard)
- Flange Specifications: [Reference Tables, page 193](#)

ORDER CODE EXAMPLE:

A2F#2F2416

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

CROSS - FLANGE 62



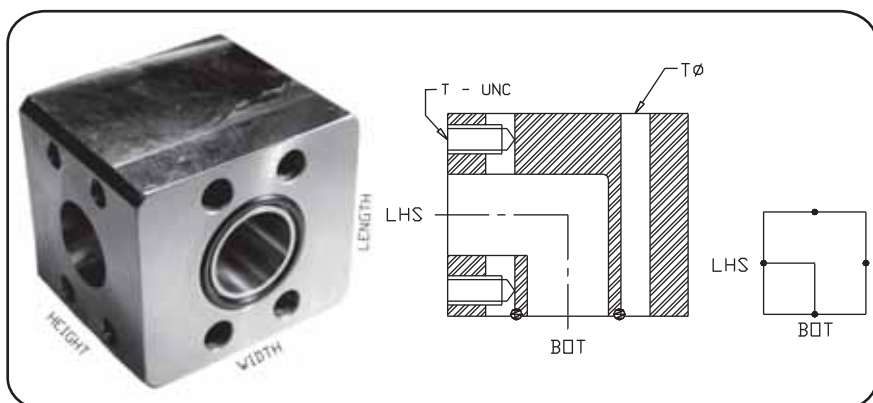
For Metric Mtgs add M to Part No
e.g. A2CF20M (Not standard)
For no o-ring and all MTGS tapped add 'V' to end of part number
To alter O-Ring Config - Use A2FC- XX
Or A9007: [Reference Tables, page 54](#)
To alter Flange Orientation - Use A2FY2F

Flange Specs: [Reference Tables, page 193](#)

•Stainless Change 1st Letter from A to S

Part Number	R.R. Price	SAE BOT	SAE TOP	SAE LHS	SAE RHS	Length	Width	Height	T - Ø	T - UNC LHS	T - UNC RHS
A2CF08		A2F-08	A2F-08	A2F-08	A2F-08	56	62	54	8.7	5/16	5/16
A2CF12		A2F-12	A2F-12	A2F-12	A2F-12	71	76	66	10.3	3/8	3/8
A2CF16		A2F-16	A2F-16	A2F-16	A2F-16	81	89	76	11.9	7/16	7/16
A2CF20		A2F-20	A2F-20	A2F-20	A2F-20	95	103	84	13.5	1/2	1/2
A2CF24		A2F-24	A2F-24	A2F-24	A2F-24	113	120	101	16.7	5/8	5/8
A2CF32		A2F-32	A2F-32	A2F-32	A2F-32	133	146	120	19.8	3/4	3/4

ELBOW - FLANGE 62



For Metric Mtgs add M to Part No
e.g. A2EF20M (Not standard)
For no o-ring and all MTGS tapped add 'V' to end of part number
To alter O-Ring Config - Use A2FC- XX
Or A9007: [Reference Tables, page 54](#)
To alter Flange Orientation - Use A2FY2F

Flange Specs: [Reference Tables, page 193](#)

•Stainless Change 1st Letter from A to S

Part Number	R.R. Price	SAE BOT	SAE LHS	Length	Width	Height	T - Ø	T - UNC LHS	O-Ring
A2EF08		A2F-08	A2F-08	56	55	54	8.7	5/16	A9SS08
A2EF12		A2F-12	A2F-12	71	68	66	10.3	3/8	A9SS12
A2EF16		A2F-16	A2F-16	81	80	76	11.9	7/16	A9SS16
A2EF20		A2F-20	A2F-20	95	91	84	13.5	1/2	A9SS20
A2EF24		A2F-24	A2F-24	113	108	101	16.7	5/8	A9SS24
A2EF32		A2F-32	A2F-32	133	130	120	19.8	3/4	A9SS32

FLANGES & INSERTS SAE-CODE 62



ELBOW - FLANGE 62 X BSPPF

For Metric Mtgs add M to Part No
e.g. A2EFBF2016M (Not standard)

To alter O-Ring Config - Use A2FC- XX

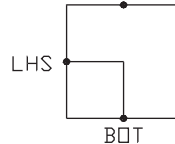
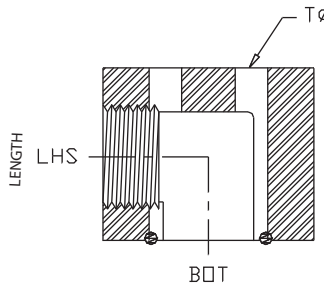
Or A9007: [Reference Tables, page 54](#)

To alter Flange Orientation - Use A2FY2F

Flange Specs: [Reference Tables, page 193](#)

Thread Specs: [Reference Tables, page 194](#)

•Stainless Change 1st Letter from A to S



Part Number	R.R. Price	SAE BOT	BSPPF LHS	Length	Width	Height	T - Ø	O-Ring
A2EFBF0808		A2F-08	1/2-14	56	48	40	8.7	A9SS08
A2EFBF1212		A2F-12	3/4-14	71	60	50	10.3	A9SS12
A2EFBF1612		A2F-16	3/4-14	81	70	50	11.9	A9SS16
A2EFBF1616		A2F-16	1-11	81	70	60	11.9	A9SS16
A2EFBF2016		A2F-20	1-11	95	78	60	13.5	A9SS20
A2EFBF2020		A2F-20	1 1/4-11	95	78	70	13.5	A9SS20
A2EFBF2420		A2F-24	1 1/4-11	113	95	70	16.7	A9SS24
A2EFBF2424		A2F-24	1 1/2-11	113	95	80	16.7	A9SS24
A2EFBF3224		A2F-32	1 1/2-11	133	114	80	19.8	A9SS32
A2EFBF3232		A2F-32	2-11	133	114	90	19.8	A9SS32

ELBOW - FLANGE 62 X SOCKET WELD TUBE

For Metric Mtgs add M to Part No
e.g. A2EFTS2016M (Not standard)

To alter O-Ring Config - Use A2FC- XX

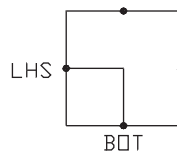
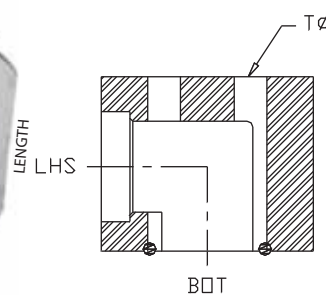
Or A9007: [Reference Tables, page 54](#)

To alter Flange Orientation - Use A2FY2F

Flange Specs: [Reference Tables, page 193](#)

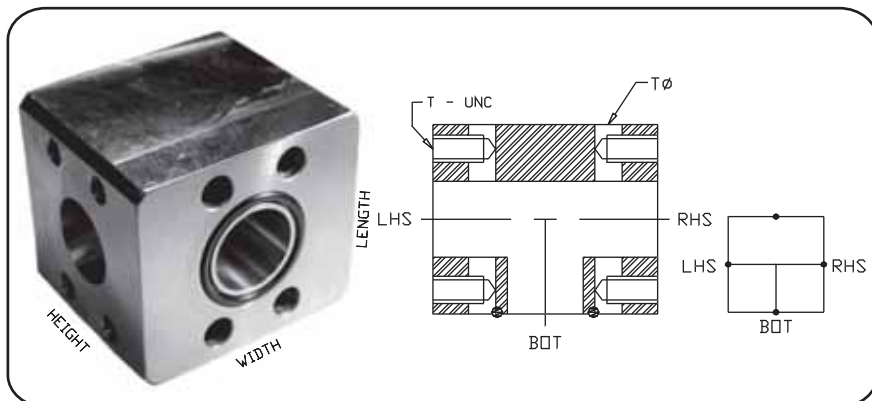
Tube Specs: [Reference Tables, page 203](#)

•Stainless Change 1st Letter from A to S



Part Number	R.R. Price	SAE BOT	S/Weld Tube LHS	Length	Width	Height	T - Ø	O-Ring	Mat Grade or Equiv.
A2EFTS1212		A2F-12	TS12	71	60	30	10.3	A9SS12	1020
A2EFTS1216		A2F-12	TS16	71	60	40	10.3	A9SS12	1020
A2EFTS1616		A2F-16	TS16	81	70	40	11.9	A9SS16	1020
A2EFTS1620		A2F-16	TS20	81	70	50	11.9	A9SS16	1020
A2EFTS2016		A2F-20	TS16	95	78	40	13.5	A9SS20	1020
A2EFTS2020		A2F-20	TS20	95	78	50	13.5	A9SS20	1020
A2EFTS2024		A2F-20	TS24	95	78	50	13.5	A9SS20	1020
A2EFTS2420		A2F-24	TS20	113	95	50	16.7	A9SS24	1020
A2EFTS2424		A2F-24	TS24	113	95	50	16.7	A9SS24	1020
A2EFTS2432		A2F-24	TS32	113	95	70	16.7	A9SS24	1020
A2EFTS3224		A2F-32	TS24	133	114	50	19.8	A9SS32	1020
A2EFTS3232		A2F-32	TS32	133	114	70	19.8	A9SS32	1020

TEE - FLANGE 62



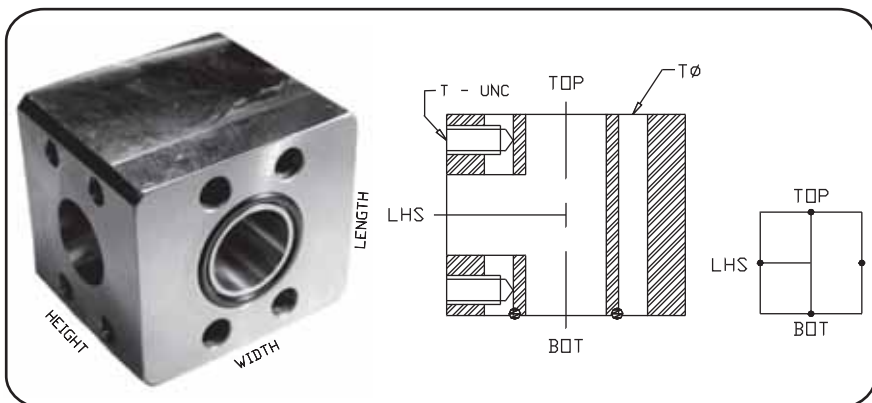
For Metric Mtgs add M to Part No
e.g. A2TF20M (Not standard)
For no o-ring and all MTGS tapped add 'V' to end
of part number
To alter O-Ring Config - Use A2FC- XX
Or A9007:Reference Tables, page 54
To alter Flange Orientation - Use A2FY2F

Flange Specs: [Reference Tables, page 193](#)

• **Stainless** Change 1st Letter from A to S

Part Number	R.R. Price	SAE BOT	SAE LHS	SAE RHS	Length	Width	Height	T - Ø	T - UNC LHS	T - UNC RHS	O-Ring
A2TF08		A2F-08	A2F-08	A2F-08	56	62	54	8.7	5/16	5/16	A9SS08
A2TF12		A2F-12	A2F-12	A2F-12	71	76	66	10.3	3/8	3/8	A9SS12
A2TF16		A2F-16	A2F-16	A2F-16	81	89	76	11.9	7/16	7/16	A9SS16
A2TF20		A2F-20	A2F-20	A2F-20	95	103	84	13.5	1/2	1/2	A9SS20
A2TF24		A2F-24	A2F-24	A2F-24	113	120	101	16.7	5/8	5/8	A9SS24
A2TF32		A2F-32	A2F-32	A2F-32	133	146	120	19.8	3/4	3/4	A9SS32

SIDE PORTED SPACER - FLANGE 62



To alter O-Ring Config - Use A2FC- XX
Or A9007:Reference Tables, page 54
To alter Flange Orientation - Use A2FY2F
For no o-ring and all MTGS tapped add 'V' to end
of part number
For Metric Mtgs add M to Part No
e.g. A2SF20M (Not standard)

Flange Specs: [Reference Tables, page 193](#)

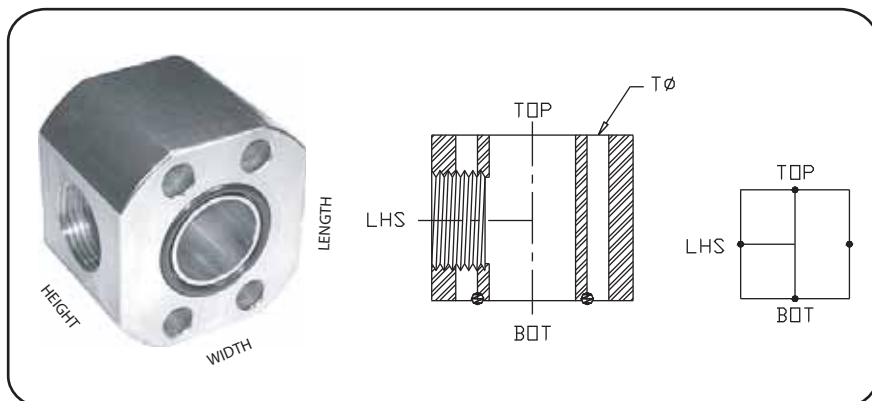
• **Stainless** Change 1st Letter from A to S

Part Number	R.R. Price	SAE BOT	SAE TOP	SAE LHS	Length	Width	Height	T - Ø	T - UNC LHS	O-Ring
A2SF08		A2F-08	A2F-08	A2F-08	56	55	54	8.7	5/16	A9SS08
A2SF12		A2F-12	A2F-12	A2F-12	71	68	66	10.3	3/8	A9SS12
A2SF16		A2F-16	A2F-16	A2F-16	81	80	76	11.9	7/16	A9SS16
A2SF20		A2F-20	A2F-20	A2F-20	95	91	84	13.5	1/2	A9SS20
A2SF24		A2F-24	A2F-24	A2F-24	113	108	101	16.7	5/8	A9SS24
A2SF32		A2F-32	A2F-32	A2F-32	133	130	120	19.8	3/4	A9SS32

FLANGES & INSERTS SAE-CODE 62



SIDE PORTED SPACER - FLANGE 62 X BSPPF



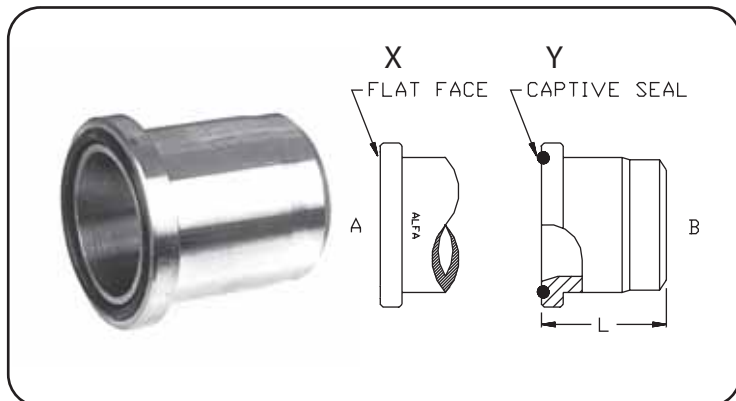
To alter O-Ring Config - Use A2FC- XX
 Or A9007: [Reference Tables, page 54](#)
 To alter Flange Orientation - Use A2FY2F
 For Metric Mtgs add M to Part No
 e.g. A2SFBF2016M (Not standard)

Flange Specs: [Reference Tables, page 193](#)
 Thread Specs: [Reference Tables, page 194](#)

•Stainless Change 1st Letter from A to S

Part Number	R.R. Price	SAE TOP & BOT	BSPPF LHS	Length	Width	Height	T - Ø	O-Ring
A2SFBF0804		A2F-08	1/4-19	56	48	30	8.7	A9SS08
A2SFBF0808		A2F-08	1/2-14	56	48	40	8.7	A9SS08
A2SFBF1204		A2F-12	1/4-19	71	60	30	10.3	A9SS12
A2SFBF1208		A2F-12	1/2-14	71	60	40	10.3	A9SS12
A2SFBF1212		A2F-12	3/4-14	71	60	50	10.3	A9SS12
A2SFBF1604		A2F-16	1/4-19	81	70	30	11.9	A9SS16
A2SFBF1608		A2F-16	1/2-14	81	70	40	11.9	A9SS16
A2SFBF1612		A2F-16	3/4-14	81	70	50	11.9	A9SS16
A2SFBF1616		A2F-16	1-11	81	70	60	11.9	A9SS16
A2SFBF2004		A2F-20	1/4-19	95	78	30	13.5	A9SS20
A2SFBF2008		A2F-20	1/2-14	95	78	40	13.5	A9SS20
A2SFBF2012		A2F-20	3/4-14	95	78	50	13.5	A9SS20
A2SFBF2016		A2F-20	1-11	95	78	60	13.5	A9SS20
A2SFBF2404		A2F-24	1/4-19	113	95	30	16.7	A9SS24
A2SFBF2408		A2F-24	1/2-14	113	95	40	16.7	A9SS24
A2SFBF2412		A2F-24	3/4-14	113	95	50	16.7	A9SS24
A2SFBF2416		A2F-24	1-11	113	95	60	16.7	A9SS24
A2SFBF2420		A2F-24	1 1/4-11	113	95	70	16.7	A9SS24
A2SFBF2424		A2F-24	1 1/2-11	113	95	80	16.7	A9SS24
A2SFBF3204		A2F-32	1/4-19	133	114	30	19.8	A9SS32
A2SFBF3208		A2F-32	1/2-14	133	114	40	19.8	A9SS32
A2SFBF3212		A2F-32	3/4-14	133	114	50	19.8	A9SS32
A2SFBF3216		A2F-32	1-11	133	114	60	19.8	A9SS32
A2SFBF3224		A2F-32	1 1/2-11	133	114	80	19.8	A9SS32
A2SFBF3232		A2F-32	2-11	133	114	90	19.8	A9SS32

INSERT 62 X BUTT WELD PIPE



ORDER CODE EXAMPLE:

A2#P3224?

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal
- 2 = Pipe Schedule ([Reference Tables, page 202](#))
- D = Sched 40
- H = Sched 80
- P = Sched 160
- X = Double Extra Strong

•Stainless (316L) Change 1st Letter from A to S.

Part Number	R.R. Price	SAE A	Pipe B	Pipe - Ø B	L	Flange Selection	SAE - A O-Ring	Mat Grade or Equiv.
A2#P0808?		1/2	1/2	21.3	44	Either	A9SS08	AS3679:250
A2#P1208?		3/4	1/2	21.3	50	Either	A9SS12	AS1442/1020
A2#P1212?		3/4	3/4	26.7	50	Either	A9SS12	AS1442/1020
A2#P1216?		3/4	1	33.4	51	Splits	A9SS12	AS1442/1020
A2#P1616?		1	1	33.4	56	Either	A9SS16	AS1442/1020
A2#P1620?		1	1 1/4	42.2	56	Splits	A9SS16	AS1442/1020
A2#P2016?		1 1/4	1	33.4	61	Either	A9SS20	AS1442/1020
A2#P2020?		1 1/4	1 1/4	42.2	61	Either	A9SS20	AS1442/1020
A2#P2024?		1 1/4	1 1/2	48.3	61	Splits	A9SS20	AS1442/1020
A2#P2420?		1 1/2	1 1/4	42.2	66	Either	A9SS24	AS1442/1020
A2#P2424?		1 1/2	1 1/2	48.3	66	Either	A9SS24	AS1442/1020
A2#P2432?		1 1/2	2	60.3	67	Splits	A9SS24	AS1442/1020
A2#P3224?		2	1 1/2	48.3	75	Either	A9SS32	AS1442/1020
A2#P3232?		2	2	60.3	76	Either	A9SS32	AS1442/1020
A2#P3240?		2	2 1/2	73	77	Splits	A9SS32	AS1442/1020
A2#P4040?		2 1/2	2 1/2	73	71	Either	A9SS40	AS1442/1020
A2#P4848?		3	3	88.9	82	Either	A9SS48	AS1442/1020
A2#P6464?		4	4	114.3	87	Either	A9SS64	AS1442/1020

Note:

1. Length L stated for Sched 80 (H) with weld prep. @ 45 deg.
2. Lengths for other pipe schedules vary by the difference of weld prep.

A Insert Specifications: [Reference Tables, page 193](#)

B Pipe Specifications: [Reference Tables, page 202](#)

FLANGES & INSERTS SAE-CODE 62

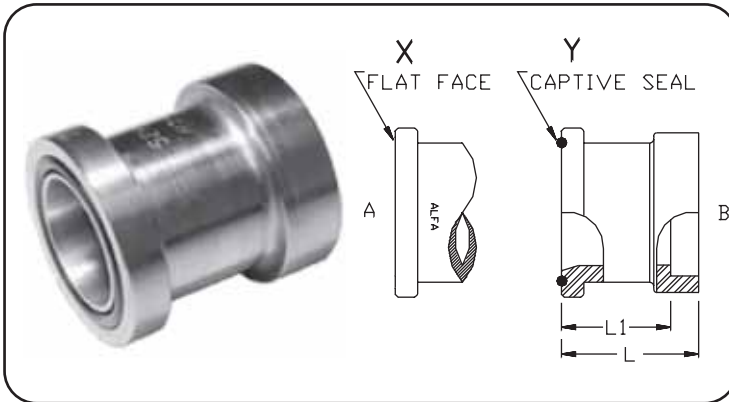


INSERT 62 X SOCKET WELD PIPE

ORDER CODE EXAMPLE:

A2#PS3224C

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal
- C = Series 3,000 lbs = Sched 80 (Socket Weld)
- F = Series 6,000 lbs = Sched 160 (Socket Weld)



Part Number	R.R. Price	SAE A	Pipe B	Pipe OD Ø	Sleeve OD Ø	L	L1	Flange Selection	SAE - A O-Ring	Mat Grade or Equiv.
A2#PS0808C		1/2	1/2	21.3	30.7	46	36	Splits	A9SS08	AS3679:250
A2#PS1212C		3/4	3/4	26.7	36.5	52	39	Splits	A9SS12	AS1442/1020
A2#PS1212F		3/4	3/4	26.7	40.3	62	49	Splits	A9SS12	AS1442/1020
A2#PS1612C		1	3/4	26.7	36.5	52	39	Either	A9SS16	AS1442/1020
A2#PS1612F		1	3/4	26.7	40.3	59	46	Splits	A9SS16	AS1442/1020
A2#PS1616C		1	1	33.4	44.8	58	45	Splits	A9SS16	AS1442/1020
A2#PS1616F		1	1	33.4	48.9	71	58	Splits	A9SS16	AS1442/1020
A2#PS2020C		1 1/4	1 1/4	42.2	54.2	75	62	Splits	A9SS20	AS1442/1020
A2#PS2020F		1 1/4	1 1/4	42.2	57.7	77	64	Splits	A9SS20	AS1442/1020
A2#PS2420C		1 1/2	1 1/4	42.2	54.2	68	55	Splits	A9SS24	AS1442/1020
A2#PS2420F		1 1/2	1 1/4	42.2	57.7	70	57	Splits	A9SS24	AS1442/1020
A2#PS2424C		1 1/2	1 1/2	48.3	60.8	68	55	Splits	A9SS24	AS1442/1020
A2#PS2424F		1 1/2	1 1/2	48.3	65.6	88	75	Splits	A9SS24	AS1442/1020
A2#PS3224C		2	1 1/2	48.3	60.8	71	58	Either	A9SS32	AS1442/1020
A2#PS3224F		2	1 1/2	48.3	65.6	71	58	Either	A9SS32	AS1442/1020
A2#PS3232C		2	2	60.3	74.4	78	62	Splits	A9SS32	AS1442/1020
A2#PS3232F		2	2	60.3	81.8	103	87	Splits	A9SS32	AS1442/1020

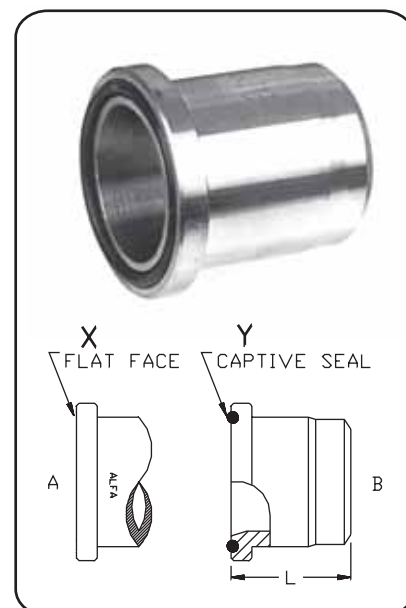
A Insert Specifications: [Reference Tables, page 193](#)

B Pipe Specifications: [Reference Tables, page 202](#)

•**Stainless** (316L) Change 1st Letter from A to S.

INSERT 62 X BUTT WELD TUBE

Part Number	R.R. Price	SAE A	Tube B	Tube OD Ø	L	Flange Selection	SAE - A O-Ring	Mat Grade or Equiv.
A2#T1212		3/4	3/4	19.1	52	Either	A9SS12	AS1442/1020
A2#T1216		3/4	1	25.4	58	Either	A9SS12	AS1442/1020
A2#T1612		1	3/4	19.1	60	Either	A9SS16	AS1442/1020
A2#T1616		1	1	25.4	66	Either	A9SS16	AS1442/1020
A2#T1620		1	1 1/4	31.8	66	Either	A9SS16	AS1442/1020
A2#T2016		1 1/4	1	25.4	72	Either	A9SS20	AS1442/1020
A2#T2020		1 1/4	1 1/4	31.8	72	Either	A9SS20	AS1442/1020
A2#T2024		1 1/4	1 1/2	38.1	72	Either	A9SS20	AS1442/1020
A2#T2420		1 1/2	1 1/4	31.8	82	Either	A9SS24	AS1442/1020
A2#T2424		1 1/2	1 1/2	38.1	82	Either	A9SS24	AS1442/1020
A2#T2432		1 1/2	2	50.8	83	Either	A9SS24	AS1442/1020
A2#T3224		2	1 1/2	38.1	95	Either	A9SS32	AS1442/1020
A2#T3232		2	2	50.8	96	Either	A9SS32	AS1442/1020
A2#T3240		2	2 1/2	63.5	96	Either	A9SS32	AS1442/1020



ORDER CODE EXAMPLE:

A2#T3224

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

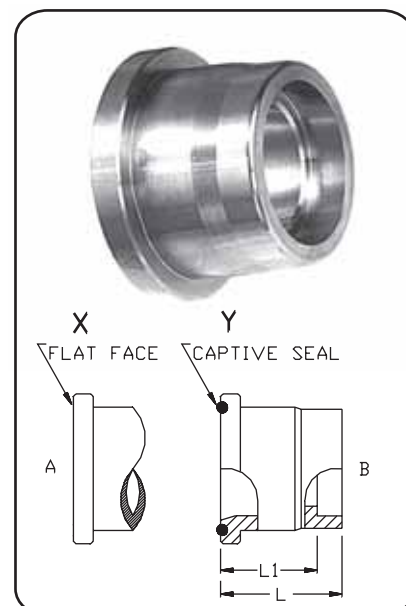
A Insert Specs: [Reference Tables, page 193](#)

B Tube Spec: [Reference Tables, page 203](#)

Stainless (316L) Change 1st Letter from A to S.

INSERT 62 X SOCKET WELD TUBE

Part Number	R.R. Price	SAE A	Tube B	Tube OD Ø	Sleeve OD Ø	L	L1	Flange Selection	SAE - A O-Ring	Mat Grade or Equiv.
A2#TS0808		1/2	1/2	12.7	18.8	42	32	Either	A9SS08	AS3679:250
A2#TS0812		1/2	3/4	19.1	28.8	42	32	Splits	A9SS08	AS3679:250
A2#TS1208		3/4	1/2	12.7	18.8	47	37	Either	A9SS12	AS1442/1020
A2#TS1212		3/4	3/4	19.1	28.8	47	37	Either	A9SS12	AS1442/1020
A2#TS1216		3/4	1	25.4	34.2	47	34	Splits	A9SS12	AS1442/1020
A2#TS1612		1	3/4	19.1	28.8	53	43	Either	A9SS16	AS1442/1020
A2#TS1616		1	1	25.4	34.2	53	40	Either	A9SS16	AS1442/1020
A2#TS1620		1	1 1/4	31.8	42.7	53	40	Splits	A9SS16	AS1442/1020
A2#TS2016		1 1/4	1	25.4	34.2	58	45	Either	A9SS20	AS1442/1020
A2#TS2020		1 1/4	1 1/4	31.8	42.7	58	45	Either	A9SS20	AS1442/1020
A2#TS2024		1 1/4	1 1/2	38.1	48.4	58	45	Splits	A9SS20	AS1442/1020
A2#TS2420		1 1/2	1 1/4	31.8	42.7	64	51	Either	A9SS24	AS1442/1020
A2#TS2424		1 1/2	1 1/2	38.1	48.4	64	51	Either	A9SS24	AS1442/1020
A2#TS2432		1 1/2	2	50.8	61.5	64	51	Splits	A9SS24	AS1442/1020
A2#TS3224		2	1 1/2	38.1	48.4	74	61	Either	A9SS32	AS1442/1020
A2#TS3232		2	2	50.8	61.5	74	61	Either	A9SS32	AS1442/1020



ORDER CODE EXAMPLE:

A2#TS3224

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

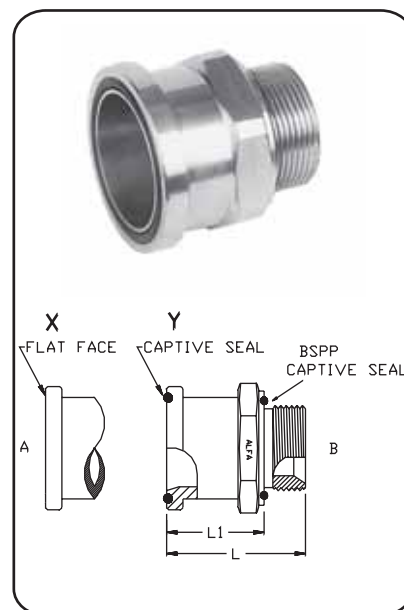
A Insert Specs: [Reference Tables, page 193](#)

B Tube Specs: [Reference Tables, page 203](#)

Stainless (316L) Change 1st Letter from A to S.

INSERT 62 X BSPP MALE (ONE PIECE)

Part Number	R.R. Price	SAE A	BSPP B	L	L1	BSPP R Ø	Hex A/F	Flange Selection	SAE - A O-Ring	BSPP O-Ring
A2#B0808		1/2	1/2-14	55	41	33	30	Splits	A9SS08	A9SRB08
A2#B1208		3/4	1/2-14	60	46	33	34	Splits	A9SS12	A9SRB08
A2#B1212		3/4	3/4-14	63	47	38	35	Splits	A9SS12	A9SRB12
A2#B1612		1	3/4-14	68	52	38	40	Splits	A9SS16	A9SRB12
A2#B1616		1	1-11	71	53	46	42	Splits	A9SS16	A9SRB16
A2#B2012		1 1/4	3/4-14	73	57	38	46	Splits	A9SS20	A9SRB12
A2#B2016		1 1/4	1-11	75	57	46	48	Splits	A9SS20	A9SRB16
A2#B2020		1 1/4	1 1/4-11	79	59	55	50	Splits	A9SS20	A9SRB20
A2#B2416		1 1/2	1-11	80	62	46	53	Splits	A9SS24	A9SRB16
A2#B2420		1 1/2	1 1/4-11	84	64	55	57	Splits	A9SS24	A9SRB20
A2#B2424		1 1/2	1 1/2-11	88	66	61	56	Splits	A9SS24	A9SRB24
A2#B3216		2	1-11	91	73	46	69	Splits	A9SS32	A9SRB16
A2#B3220		2	1 1/4-11	93	73	55	69	Splits	A9SS32	A9SRB20
A2#B3224		2	1 1/2-11	95	73	61	69	Splits	A9SS32	A9SRB24
A2#B3232		2	2-11	118	94	75	77	Splits	A9SS32	A9SRB32



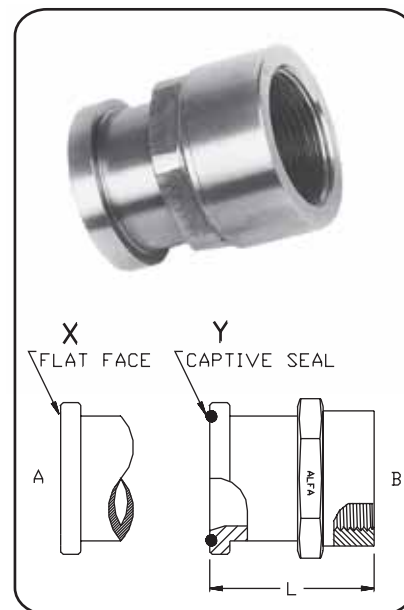
ORDER CODE EXAMPLE:

A2#B3224

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

INSERT 62 X BSPPF (ONE PIECE)

Part Number	R.R. Price	SAE A	BSPP B	L	Hex A/F	Flange Selection	SAE - A O-Ring
A2#BF0808		1/2	1/2-14	57	30	Splits	A9SS08
A2#BF1212		3/4	3/4-14	65	35	Splits	A9SS12
A2#BF1612		1	3/4-14	49	40	Splits	A9SS16
A2#BF1616		1	1-11	73	42	Splits	A9SS16
A2#BF2012		1 1/4	3/4-14	54	46	Splits	A9SS20
A2#BF2016		1 1/4	1-11	69	48	Splits	A9SS20
A2#BF2020		1 1/4	1 1/4-11	80	50	Splits	A9SS20
A2#BF2416		1 1/2	1-11	59	53	Splits	A9SS24
A2#BF2420		1 1/2	1 1/4-11	76	57	Splits	A9SS24
A2#BF2424		1 1/2	1 1/2-11	89	56	Splits	A9SS24
A2#BF3216		2	1-11	69	61	Splits	A9SS32
A2#BF3220		2	1 1/4-11	70	69	Splits	A9SS32
A2#BF3224		2	1 1/2-11	70	69	Splits	A9SS32
A2#BF3232		2	2-11	111	77	Splits	A9SS32



ORDER CODE EXAMPLE:

A2#BF3224

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

A Insert Specifications: [Reference Tables, page 193](#)

B Thread Specifications: [Reference Tables, page 194](#)

Stainless (316L) Change 1st Letter from A to S.

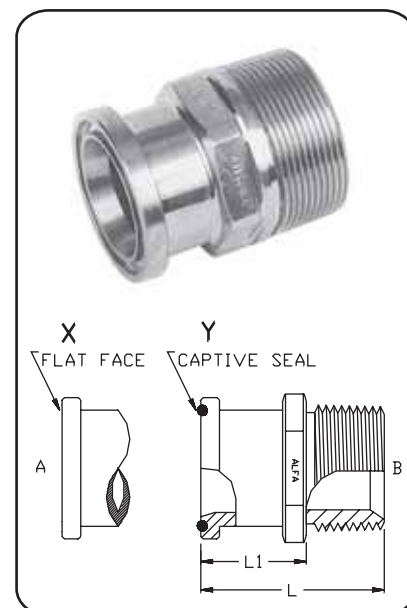
INSERT 62 X BSPT (ONE PIECE)

Part Number	R.R. Price	SAE A	BSPT B	L	L1	Hex A/F	Flange Selection	SAE - A O-Ring
A2#G0808		1/2	1/2-14	55	34	26	Splits	A9SS08
A2#G1208		3/4	1/2-14	64	43	34	Splits	A9SS12
A2#G1212		3/4	3/4-14	64	43	34	Splits	A9SS12
A2#G1612		1	3/4-14	70	49	40	Splits	A9SS16
A2#G1616		1	1-11	75	49	40	Splits	A9SS16
A2#G2016		1 1/4	1-11	80	54	46	Splits	A9SS20
A2#G2020		1 1/4	1 1/4-11	81	54	46	Splits	A9SS20
A2#G2420		1 1/2	1 1/4-11	86	59	53	Splits	A9SS24
A2#G2424		1 1/2	1 1/2-11	86	59	53	Splits	A9SS24
A2#G3224		2	1 1/2-11	97	70	69	Splits	A9SS32
A2#G3232		2	2-11	99	70	69	Splits	A9SS32

A Insert Specifications: [Reference Tables, page 193](#)

B Thread Specifications: [Reference Tables, page 197](#)

•Stainless (316L) Change 1st Letter from A to S.



ORDER CODE EXAMPLE:

A2#G3224

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

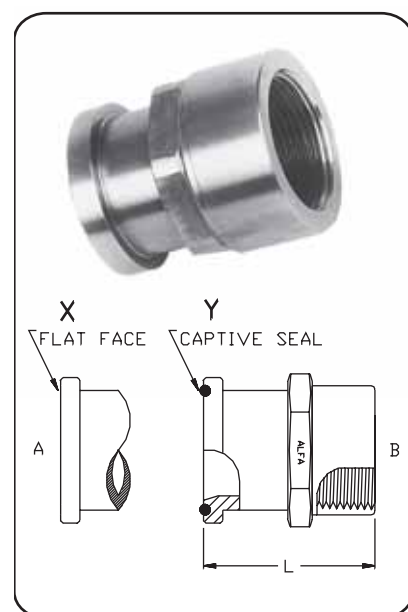
INSERT 62 X BSPTF (ONE PIECE)

Part Number	R.R. Price	SAE A	BSPT B	L	Hex A/F	Flange Selection	SAE - A O-Ring
A2#GF0808		1/2	1/2-14	61	26	Splits	A9SS08
A2#GF1212		3/4	3/4-14	61	37	Splits	A9SS12
A2#GF1616		1	1-11	71	44	Splits	A9SS16
A2#GF2020		1 1/4	1 1/4-11	86	48	Splits	A9SS20
A2#GF2424		1 1/2	1 1/2-11	93	56	Splits	A9SS24
A2#GF3232		2	2-11	96	76	Splits	A9SS32

A Insert Specifications: [Reference Tables, page 193](#)

B Thread Specifications: [Reference Tables, page 197](#)

•Stainless (316L) Change 1st Letter from A to S.



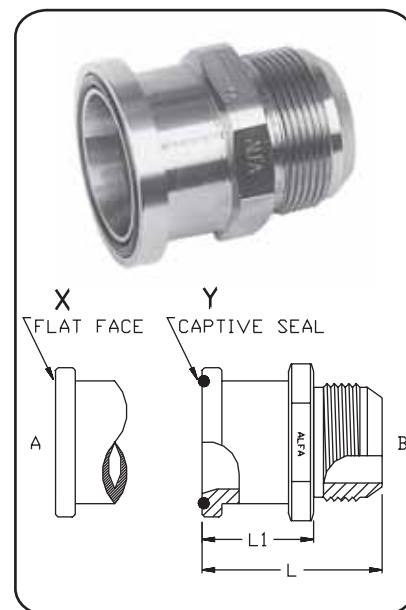
ORDER CODE EXAMPLE:

A2#GF3224

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

INSERT 62 X JIC (ONE PIECE)

Part Number	R.R. Price	SAE A	JIC B	L	L1	Hex A/F	Flange Selection	SAE - A O-Ring
A2#J0812		1/2	3/4-16	50.7	34	26	Splits	A9SS08
A2#J1212		3/4	3/4-16	59.7	43	34	Splits	A9SS12
A2#J1214		3/4	7/8-14	62.3	43	34	Splits	A9SS12
A2#J1217		3/4	1 1/16-12	64.9	43	34	Splits	A9SS12
A2#J1614		1	7/8-14	68.3	49	40	Splits	A9SS16
A2#J1617		1	1 1/16-12	70.9	49	40	Splits	A9SS16
A2#J1621		1	1 5/16-12	72.1	49	40	Splits	A9SS16
A2#J1626		1	1 5/8-12	73.3	49	45	Splits	A9SS16
A2#J2017		1 1/4	1 1/16-12	75.9	54	46	Splits	A9SS20
A2#J2021		1 1/4	1 5/16-12	77.1	54	46	Splits	A9SS20
A2#J2026		1 1/4	1 5/8-12	78.3	54	46	Splits	A9SS20
A2#J2030		1 1/4	1 7/8-12	81.5	54	52	Splits	A9SS20
A2#J2417		1 1/2	1 1/16-12	80.9	59	53	Splits	A9SS24
A2#J2421		1 1/2	1 5/16-12	82.1	59	53	Splits	A9SS24
A2#J2426		1 1/2	1 5/8-12	83.3	59	53	Splits	A9SS24
A2#J2430		1 1/2	1 7/8-12	86.5	59	53	Splits	A9SS24
A2#J3217		2	1 1/16-12	91.9	70	69	Splits	A9SS32
A2#J3221		2	1 5/16-12	93.1	70	69	Splits	A9SS32
A2#J3226		2	1 5/8-12	94.3	70	69	Splits	A9SS32
A2#J3230		2	1 7/8-12	97.5	70	69	Splits	A9SS32
A2#J3240		2	2 1/2-12	103.9	70	69	Splits	A9SS32



ORDER CODE EXAMPLE:

A2#J3230

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

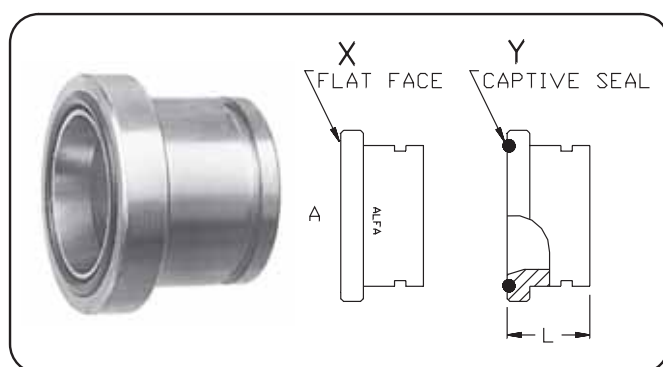
A Insert Specifications: [Reference Tables, page 193](#)

B Thread Specifications: [Reference Tables, page 198](#)

•Stainless (316L) Change 1st Letter from A to S.

INSERT 62 X BLANK

Part Number	R.R. Price	SAE A	L	Flange Selection	SAE - A O-Ring
A2#C08		1/2	26	Either	A9SS08
A2#C12		3/4	32	Either	A9SS12
A2#C16		1	37	Either	A9SS16
A2#C20		1 1/4	42	Either	A9SS20
A2#C24		1 1/2	47	Either	A9SS24
A2#C32		2	56	Either	A9SS32
A2#C40		2 1/2	50	Either	A9SS40
A2#C48		3	60	Either	A9SS48
A2#C64		4	64	Either	A9SS64



ORDER CODE EXAMPLE:

A2#C32

- # = X or Y
- X = Flat Face
- Y = O-Ring Seal

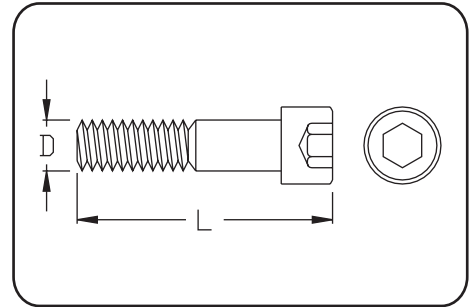
A Insert Specifications: [Reference Tables, page 193](#)

•Stainless (316L) Change 1st Letter from A to S

FLANGES & INSERTS SAE-CODE 62

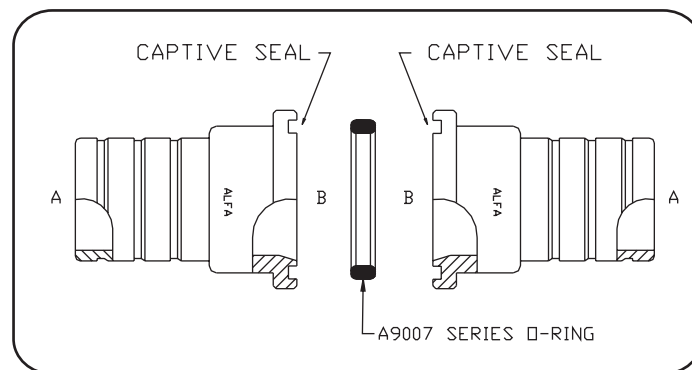
UNC S.H.C.S - SAE CODE 62 FLANGE ASSEMBLY

Part Number	R.R. Price	SAE Code-61	Bolt - Ø D	Type	L	Torque N-m (Nom.)
A9BUNC208		1/2	5/16	UNC	1 1/2	34
A9BUNC212		3/4	3/8	UNC	1 1/2	62
A9BUNC216		1	7/16	UNC	2	95
A9BUNC220		1 1/4	1/2	UNC	2 1/4	147
A9BUNC224		1 1/2	5/8	UNC	2 1/2	286
A9BUNC232		2	3/4	UNC	3	497



SAE CODE 62 DOUBLE O-RING "D" SEAL - NITRILE 90 DURO

Part Number	R.R. Price	SAE Code-61	SAE J518 Max Bar
A9007-08		1/2	400
A9007-12		3/4	400
A9007-16		1	400
A9007-20		1 1/4	400
A9007-24		1 1/2	400
A9007-32		2	400



Note:

DESIGNED TESTED AND ENGINEERED FOR JOINING TWO O-RING FACES TOGETHER WITH ONE SEAL

BUTT-WELD ADAPTORS



Description	Part Number	Page No.
BUTT WELD PIPE X BSPP - ENC O-RING	A3PB	56
BUTT WELD PIPE X BSPPF SWIVEL	A3PBS	56
BUTT WELD PIPE X BSPPF	A3PBF	57
BUTT WELD PIPE X BSPT	A3PG	57
BUTT WELD PIPE X BSPTF	A3PGF	58
BUTT WELD PIPE X NPT	A3PN	58
BUTT WELD PIPE X JIC	A3PJ	59
BUTT WELD PIPE X JICF SWIVEL	A3PJS	59
CONNECTOR BUTT WELD PIPE X PIPE	A3CP	60
BUTT WELD PIPE X 45° ELBOW	A3E45P	60
BUTT WELD PIPE X 90° ELBOW	A3EP	61
BUTT WELD PIPE X TEE	A3TP	61
BUTT WELD TUBE X BSPP - ENC O-RING	A3TB	62
BUTT WELD TUBE X BSPPF SWIVEL	A3TBS	62
BUTT WELD TUBE X BSPPF	A3TBF	63
BUTT WELD TUBE X BSPT	A3TG	63
BUTT WELD TUBE X JIC	A3TJ	64
BUTT WELD TUBE X JICF SWIVEL	A3TJS	64

3

BUTT WELD PIPE X BSPP - ENC O-RING

Part Number	R.R. Price	Pipe A	Pipe - Ø A	BSPP B	L	L1	Boss R - Ø	Hex A/F	BSPP O-Ring	Mat Grade or Equiv.
A3PB0608?		3/8	17.1	1/2-14	41	12	33	30	A9SRB08	250
A3PB0808?		1/2	21.3	1/2-14	47	18	33	30	A9SRB08	250
A3PB1212?		3/4	26.7	3/4-14	49	18	38	35	A9SRB12	1020
A3PB1612?		1	33.4	3/4-14	50	19	38	40	A9SRB12	1020
A3PB1616?		1	33.4	1-11	53	19	46	42	A9SRB16	1020
A3PB2016?		1 1/4	42.2	1-11	52	19	46	48	A9SRB16	1020
A3PB2020?		1 1/4	42.2	1 1/4-11	56	19	55	50	A9SRB20	1020
A3PB2420?		1 1/2	48.3	1 1/4-11	56	19	55	57	A9SRB20	1020
A3PB2424?		1 1/2	48.3	1 1/2-11	60	19	61	56	A9SRB24	1020
A3PB2432?		1 1/2	48.3	2-11	62	19	75	68	A9SRB32	1020
A3PB3224?		2	60.3	1 1/2-11	59	20	61	63	A9SRB24	1020
A3PB3232?		2	60.3	2-11	63	20	75	68	A9SRB32	1020
A3PB3240?		2	60.3	2 1/2-11	65	20	91	83	A9SRB40	1020
A3PB3248?		2	60.3	3-11	67	20	104	95	A9SRB48	1020
A3PB4032?		2 1/2	73.0	2-11	62	21	75	77	A9SRB32	1020
A3PB4040?		2 1/2	73.0	2 1/2-11	66	21	91	83	A9SRB40	1020
A3PB4848?		3	88.9	3-11	69	22	104	95	A9SRB48	1020

Note:

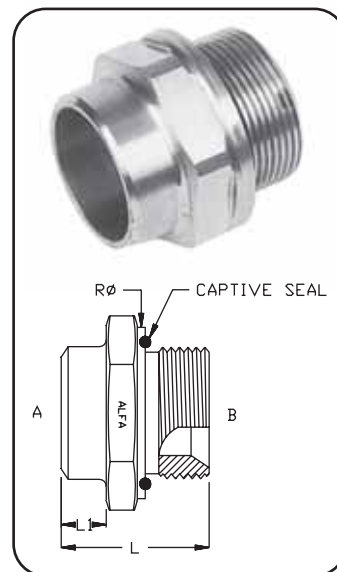
Length L stated for Sched 80 (H) with weld prep. @ 45 deg.

Lengths for other pipe schedules vary by the difference of weld prep.

- **Stainless** (316L) Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 194](#)



Order Code Example:

A3PB3224?

- ? = Pipe Sched
- D = Sched 40
- H = Sched 80
- P = Sched 160
- X = Double Extra Strong

BUTT WELD PIPE X BSPPF SWIVEL

Part Number	R.R. Price	Pipe A	Pipe - Ø A	Swivel B -BSPPF	L	L1	Hex A/F	Swivel Hex A/F	Mat Grade or Equiv.
A3PBS0808?		1/2	21.3	1/2-14	50.5	18	24	27	250
A3PBS0812?		1/2	21.3	3/4-14	54.5	18	24	33	250
A3PBS1212?		3/4	26.7	3/4-14	54.5	18	29	33	250
A3PBS1216?		3/4	26.7	1-11	61.5	18	29	41	250
A3PBS1616?		1	33.4	1-11	62.5	19	36	41	1020
A3PBS1620?		1	33.4	1 1/4-11	70.5	19	36	51	1020
A3PBS2020?		1 1/4	42.2	1 1/4-11	70.5	19	45	51	1020
A3PBS2024?		1 1/4	42.2	1 1/2-11	71.5	19	45	57	1020
A3PBS2424?		1 1/2	48.3	1 1/2-11	71.5	19	51	57	1020
A3PBS2432?		1 1/2	48.3	2-11	80.5	19	51	72	1020
A3PBS3232?		2	60.3	2-11	81.5	20	63	72	1020

Note:

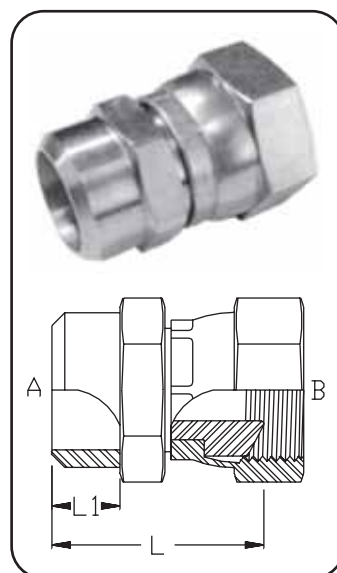
Length L stated for Sched 80 (H) with weld prep. @ 45 deg.

Lengths for other pipe schedules vary by the difference of weld prep.

- **Stainless** (316L) Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 194](#)



Order code Example:

A3PBS2424?

- ? = Pipe Sched
- D = Sched 40
- H = Sched 80
- P = Sched 160
- X = Double Extra Strong

BUTT-WELD ADAPTORS



BUTT WELD PIPE X BSPPF

Part Number	R.R. Price	Pipe A	Pipe - Ø A	BSPPF B	L	L1	Boss R - Ø	Hex A/F	Mat Grade or Equiv.
A3PBF0808?		1/2	21.3	1/2-14	49	18	33	30	250
A3PBF1208?		3/4	26.7	1/2-14	49	18	33	30	250
A3PBF1212?		3/4	26.7	3/4-14	51	18	38	35	1020
A3PBF1612?		1	33.4	3/4-14	43	19	38	40	1020
A3PBF1616?		1	33.4	1-11	55	19	46	42	1020
A3PBF2016?		1 1/4	42.2	1-11	45	19	46	48	1020
A3PBF2020?		1 1/4	42.2	1 1/4-11	57	19	55	50	1020
A3PBF2420?		1 1/2	48.3	1 1/4-11	48	19	55	57	1020
A3PBF2424?		1 1/2	48.3	1 1/2-11	61	19	61	56	1020
A3PBF3216?		2	60.3	1-11	46	20	46	63	1020
A3PBF3224?		2	60.3	1 1/2-11	51	20	61	63	1020
A3PBF3232?		2	60.3	2-11	64	20	75	68	1020
A3PBF4032?		2 1/2	73.0	2-11	55	21	75	77	1020
A3PBF4040?		2 1/2	73.0	2 1/2-11	67	21	91	83	1020
A3PBF4848?		3	88.9	3-11	70	22	104	95	1020

Note:

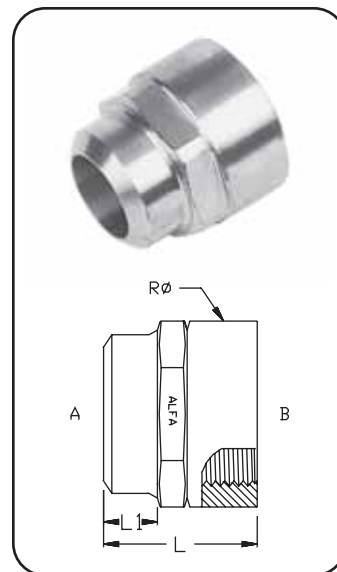
Length L stated for Sched 80 (H) with weld prep. @ 45 deg.

Lengths for other pipe schedules vary by the difference of weld prep.

- **Stainless** (316L) Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 194](#)



Order Code Example:

A3PBF3224?

- ? = Pipe Sched
- D = Sched 40
- H = Sched 80
- P = Sched 160
- X = Double Extra Strong

BUTT WELD PIPE X BSPT

Part Number	R.R. Price	Pipe A	Pipe - Ø A	BSPT B	L	L1	Hex A/F	Mat Grade or Equiv.
A3PG0808?		1/2	21.3	1/2-14	47	18	26	250
A3PG1212?		3/4	26.7	3/4-14	50	18	31	250
A3PG1616?		1	33.4	1-11	56	19	39	1020
A3PG2020?		1 1/4	42.2	1 1/4-11	58	19	47	1020
A3PG2024?		1 1/4	42.2	1 1/2-11	61	19	46	1020
A3PG2420?		1 1/2	48.3	1 1/4-11	58	19	51	1020
A3PG2424?		1 1/2	48.3	1 1/2-11	58	19	53	1020
A3PG3224?		2	60.3	1 1/2-11	61	20	63	1020
A3PG3232?		2	60.3	2-11	63	20	65	1020
A3PG3240?		2	60.3	2 1/2-11	69	20	71	1020
A3PG4032?		2 1/2	73.0	2-11	64	21	76	1020
A3PG4040?		2 1/2	73.0	2 1/2-11	67	21	80	1020
A3PG4848?		3	88.9	3-11	70	22	93	1020
A3PG6464?		4	114.3	4-11	75	23	118	1020

Note:

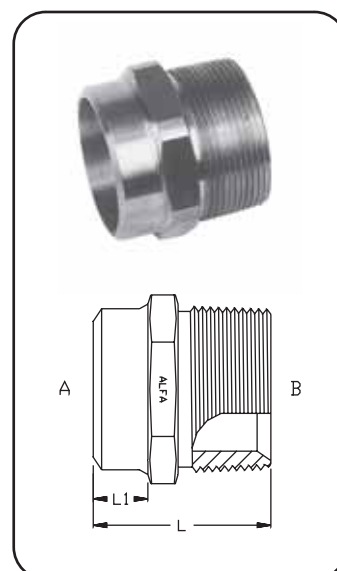
Length L stated for Sched 80 (H) with weld prep. @ 45 deg.

Lengths for other pipe schedules vary by the difference of weld prep.

- **Stainless** (316L) Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 197](#)



Order Code Example:

A3PG3224?

- ? = Pipe Sched
- D = Sched 40
- H = Sched 80
- P = Sched 160
- X = Double Extra Strong

BUTT-WELD ADAPTORS

BUTT WELD PIPE X BSPTF

Part Number	R.R. Price	Pipe A	Pipe - Ø A	BSPTF B	L	L1	Boss R - Ø	Hex A/F	Mat Grade or Equiv.
A3PGF0808?		1/2	21.3	1/2-14	53	18	29	26	250
A3PGF1212?		3/4	26.7	3/4-14	55	18	35	32	250
A3PGF1616?		1	33.4	1-11	61	19	42	38	1020
A3PGF2020?		1 1/4	42.2	1 1/4-11	63	19	53	48	1020
A3PGF2424?		1 1/2	48.3	1 1/2-11	65	19	61	56	1020
A3PGF3224?		2	60.3	1 1/2-11	57	20	61	63	1020
A3PGF3232?		2	60.3	2-11	68	20	74	67	1020
A3PGF4032?		2 1/2	73.0	2-11	61	21	74	76	1020
A3PGF4040?		2 1/2	73.0	2 1/2-11	72	21	89	81	1020
A3PGF4848?		3	88.9	3-11	75	22	102	93	1020

Note:

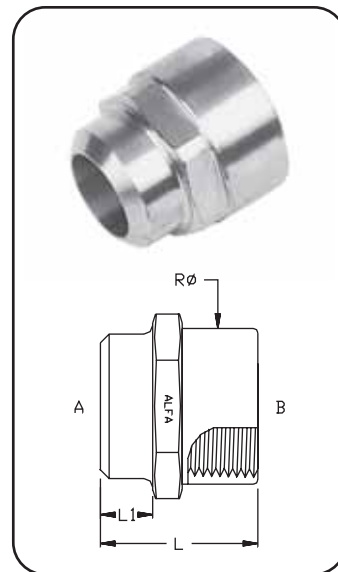
Length L stated for Sched 80 (H) with weld prep. @ 45 deg.

Lengths for other pipe schedules vary by the difference of weld prep.

- **Stainless** (316L) Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 197](#)



Order Code Example:

A3PGF3224?

- ? = Pipe Sched
- D = Sched 40
- H = Sched 80
- P = Sched 160
- X = Double Extra Strong

BUTT WELD PIPE X NPT

Part Number	R.R. Price	Pipe A	Pipe - Ø A	NPT B	L	L1	Hex A/F	Mat Grade or Equiv.
A3PN0808?		1/2	21.3	1/2-14	47	18	26	250
A3PN1212?		3/4	26.7	3/4-14	50	18	31	250
A3PN1616?		1	33.4	1-11.5	56	19	38	1020
A3PN2020?		1 1/4	42.2	1 1/4-11.5	58	19	47	1020
A3PN2424?		1 1/2	48.3	1 1/2-11.5	58	19	53	1020
A3PN3224?		2	60.3	1 1/2-11.5	61	20	63	1020
A3PN3232?		2	60.3	2-11.5	63	20	65	1020
A3PN4040?		2 1/2	73.0	2 1/2-8	67	21	78	1020
A3PN4848?		3	88.9	3-8	70	22	93	1020

Note:

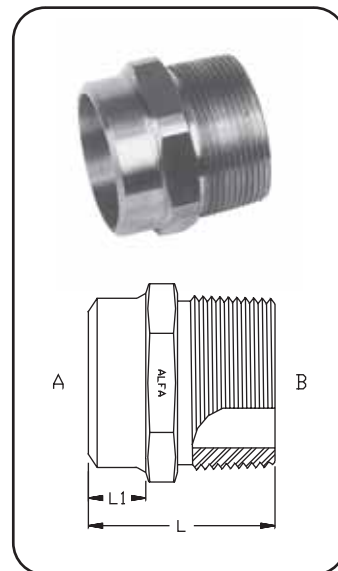
Length L stated for Sched 80 (H) with weld prep. @ 45 deg.

Lengths for other pipe schedules vary by the difference of weld prep.

- **Stainless** (316L) Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 198](#)



Order Code Example:

A3PN3224?

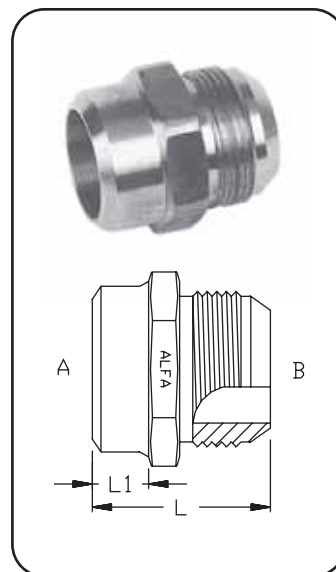
- ? = Pipe Sched
- D = Sched 40
- H = Sched 80
- P = Sched 160
- X = Double Extra Strong

BUTT-WELD ADAPTORS



BUTT WELD PIPE X JIC

Part Number	R.R. Price	Pipe A	Pipe - Ø A	JIC B	L	L1	Hex A/F	Mat Grade or Equiv.
A3PJ0812?		1/2	21.3	3/4-16	42.7	18	24	250
A3PJ0817?		1/2	21.3	1 1/16-12	51.9	18	26	250
A3PJ1212?		3/4	26.7	3/4-16	42.7	18	29	250
A3PJ1214?		3/4	26.7	7/8-14	45.3	18	29	250
A3PJ1217?		3/4	26.7	1 1/16-12	50.9	18	31	250
A3PJ1617?		1	33.4	1 1/16-12	51.9	19	36	1020
A3PJ1621?		1	33.4	1 5/16-12	53.1	19	37	1020
A3PJ1626?		1	33.4	1 5/8-12	57.3	19	39	1020
A3PJ2017?		1 1/4	42.2	1 1/16-12	52.9	19	45	1020
A3PJ2021?		1 1/4	42.2	1 5/16-12	54.1	19	45	1020
A3PJ2026?		1 1/4	42.2	1 5/8-12	55.3	19	45	1020
A3PJ2417?		1 1/2	48.3	1 1/16-12	52.9	19	51	1020
A3PJ2421?		1 1/2	48.3	1 5/16-12	54.1	19	51	1020
A3PJ2426?		1 1/2	48.3	1 5/8-12	55.3	19	51	1020
A3PJ2430?		1 1/2	48.3	1 7/8-12	58.5	19	52	1020
A3PJ3226?		2	60.3	1 5/8-12	58.3	20	63	1020
A3PJ3230?		2	60.3	1 7/8-12	61.5	20	63	1020
A3PJ3240?		2	60.3	2 1/2-12	67.9	20	68	1020
A3PJ4030?		2 1/2	73.0	1 7/8-12	62.5	21	76	1020
A3PJ4040?		2 1/2	73.0	2 1/2-12	68.9	21	76	1020
A3PJ4840?		3	88.9	2 1/2-12	69.9	22	92	1020
A3PJ4848?		3	88.9	3 IN-12	70	22	92	1020



Order Code Example:

A3PJ3230?

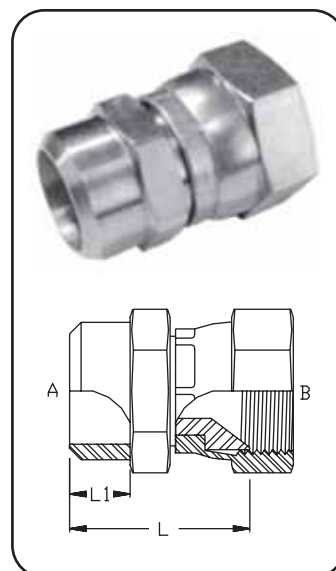
- ? = Pipe Sched
- D = Sched 40
- H = Sched 80
- P = Sched 160
- X = Double Extra Strong

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 198](#)

BUTT WELD PIPE X JICF SWIVEL

Part Number	R.R. Price	Pipe A	Pipe - Ø A	Swivel JICF	L	L1	Hex A/F	Swivel Hex A/F	Mat Grade or Equiv.
A3PJS0817?		1/2	21.3	1 1/16-12	48.2	18	24	33	250
A3PJS1221?		3/4	26.7	1 5/16-12	54.2	18	29	41	250
A3PJS1621?		1	33.4	1 5/8-12	55.2	19	36	51	1020
A3PJS1626?		1	33.4	1 5/16-12	60.2	19	36	41	1020
A3PJS2026?		1 1/4	42.2	1 5/8-12	60.2	19	45	51	1020
A3PJS2030?		1 1/4	42.2	1 7/8-12	63.2	19	45	57	1020
A3PJS2426?		1 1/2	48.3	1 5/8-12	60.2	19	51	51	1020
A3PJS2430?		1 1/2	48.3	1 7/8-12	63.2	19	51	57	1020
A3PJS3230?		2	60.3	1 7/8-12	66.2	20	63	57	1020
A3PJS3240?		2	60.3	2 1/2-12	73.7	20	63	75	1020



Order Code Example:

A3PJS3230?

- ? = Pipe Sched
- D = Sched 40
- H = Sched 80
- P = Sched 160
- X = Double Extra Strong

Note:

Length L stated for Sched 80 (H) with weld prep. @ 45 deg.

Lengths for other pipe schedules vary by the difference of weld prep.

- **Stainless** (316L) Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 199](#)

CONNECTOR BUTT WELD PIPE X PIPE

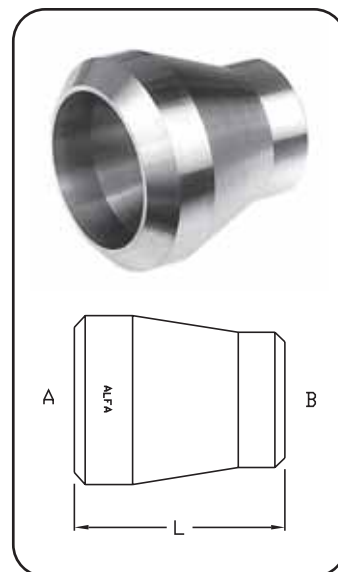
Part Number	R.R. Price	Pipe A	Pipe - Ø A	Pipe B	Pipe - Ø B	L	Mat Grade or Equiv.
A3CP1608??		1	33.5	1/2	21.4	50.8	250
A3CP1612??		1	33.5	3/4	26.8	50.8	250
A3CP2012??		1 1/4	42.3	3/4	26.8	50.8	1020
A3CP2016??		1 1/4	42.3	1	33.5	50.8	1020
A3CP2412??		1 1/2	48.4	3/4	26.8	63.5	1020
A3CP2416??		1 1/2	48.4	1	33.5	63.5	1020
A3CP2420??		1 1/2	48.4	1 1/4	42.3	63.5	1020
A3CP3216??		2	60.5	1	33.5	76.2	1020
A3CP3220??		2	60.5	1 1/4	42.3	76.2	1020
A3CP3224??		2	60.5	1 1/2	48.4	76.2	1020
A3CP4024??		2 1/2	73.2	1 1/2	48.4	88.9	1020
A3CP4032??		2 1/2	73.2	2	60.5	88.9	1020
A3CP4820??		3	89.2	1 1/4	42.3	88.9	1020
A3CP4824??		3	89.2	1 1/2	48.4	88.9	1020
A3CP4832??		3	89.2	2	60.5	88.9	1020
A3CP4840??		3	89.2	2 1/2	73.2	88.9	1020
A3CP6440??		4	114.6	2 1/2	73.2	102.0	1020
A3CP6448??		4	114.6	3	89.2	102.0	1020
A3CP8064??		5	141.6	4	114.6	127.0	1020

Note:

Length L stated for Sched 80 (H) with weld prep. @ 45 deg.

Lengths for other pipe schedules vary by the difference of weld prep.

- **Stainless (316L)** Change 1st Letter from A to S



Order Code Example:

A3CP2016??

- ? = Pipe Sched
- D = Sched 40
- H = Sched 80
- P = Sched 160
- X = Double Extra Strong

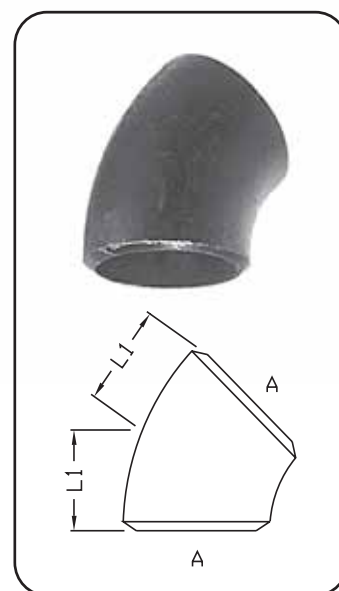
Pipe Specs: [Reference Tables, page 202](#)

BUTT WELD PIPE X 45° ELBOW

Part Number	R.R. Price	Pipe A	Pipe - Ø A	L1	Pipe Schedule
A3E45P08D		1/2	21.3	16.0	40
A3E45P08H		1/2	21.3	16.0	80
A3E45P12D		3/4	26.7	11.0	40
A3E45P12H		3/4	26.7	11.0	80
A3E45P16D		1	33.4	22.0	40
A3E45P16H		1	33.4	22.0	80
A3E45P20D		1 1/4	42.2	25.4	40
A3E45P24D		1 1/2	48.3	29.0	40
A3E45P24H		1 1/2	48.3	29.0	80
A3E45P32D		2	60.3	35.0	40
A3E45P32H		2	60.3	35.0	80
A3E45P40D		2 1/2	73.0	44.5	40
A3E45P40H		2 1/2	73.0	44.5	80
A3E45P48D		3	88.9	51.0	40
A3E45P48H		3	88.9	51.0	80
A3E45P64D		4	114.3	63.5	40
A3E45P64H		4	114.3	63.5	80

Note:

Material: Steel to ANSI B16.9 or Equivalent



Order Code Example:

A3E45P32?

- ? = Pipe Sched
- D = Sched 40
- H = Sched 80

Pipe Specs: [Reference Tables, page 202](#)

BUTT-WELD ADAPTORS

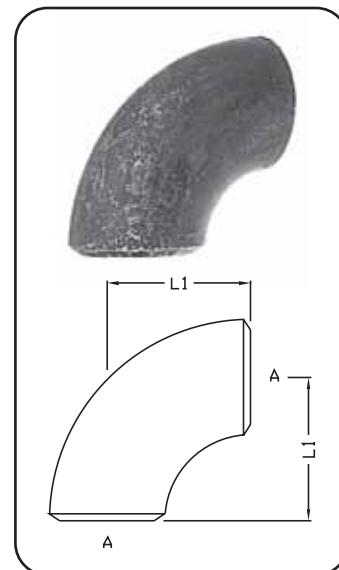


BUTT WELD PIPE X 90° ELBOW

Part Number	R.R. Price	Pipe A	Pipe - Ø A	L1	Pipe Schedule
A3EP08D		1/2	21.3	38.0	40
A3EP08H		1/2	21.3	38.0	80
A3EP12D		3/4	26.7	28.5	40
A3EP12H		3/4	26.7	28.5	80
A3EP16D		1	33.4	38.0	40
A3EP16H		1	33.4	38.0	80
A3EP20D		1 1/4	42.2	47.5	40
A3EP20H		1 1/4	42.2	47.5	80
A3EP24D		1 1/2	48.3	57.0	40
A3EP24H		1 1/2	48.3	57.0	80
A3EP32D		2	60.3	76.0	40
A3EP32H		2	60.3	76.0	80
A3EP40D		2 1/2	73.0	95.0	40
A3EP40H		2 1/2	73.0	95.0	80
A3EP48D		3	88.9	114.0	40
A3EP48H		3	88.9	114.0	80
A3EP56D		3 1/2	101.6	133.0	40
A3EP64D		4	114.3	152.0	40
A3EP64H		4	114.3	152.0	80

Note:

Material: Steel to ANSI B16.9 or Equivalent



Order Code Example:

A3EP32?

- ? = Pipe Sched
- D = Sched 40
- H = Sched 80

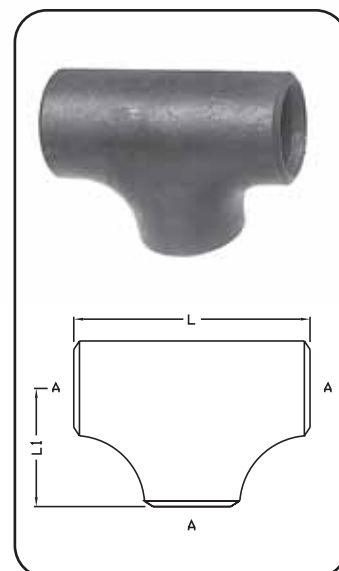
Pipe Specs: [Reference Tables, page 202](#)

BUTT WELD PIPE X TEE

Part Number	R.R. Price	Pipe A	Pipe - Ø A	L	L1	Pipe Schedule
A3TP08D		1/2	21.3	57.2	28.6	40
A3TP12D		3/4	26.7	57.2	28.6	40
A3TP12H		3/4	26.7	57.2	28.6	80
A3TP16D		1	33.4	76.2	38.1	40
A3TP16H		1	33.4	76.2	38.1	80
A3TP20D		1 1/4	42.2	95.2	47.6	40
A3TP20H		1 1/4	42.2	95.2	47.6	80
A3TP24D		1 1/2	48.3	114.4	57.2	40
A3TP24H		1 1/2	48.3	114.4	57.2	80
A3TP32D		2	60.3	127.0	63.5	40
A3TP32H		2	60.3	127.0	63.5	80
A3TP40D		2 1/2	73.0	152.4	76.2	40
A3TP40H		2 1/2	73.0	152.4	76.2	80
A3TP48D		3	88.9	171.4	85.7	40
A3TP48H		3	88.9	171.4	85.7	80
A3TP64D		4	114.3	210.0	105.0	40
A3TP64H		4	114.3	210.0	105.0	80

Note:

Material: Steel to ANSI B16.9 or Equivalent



Order Code Example:

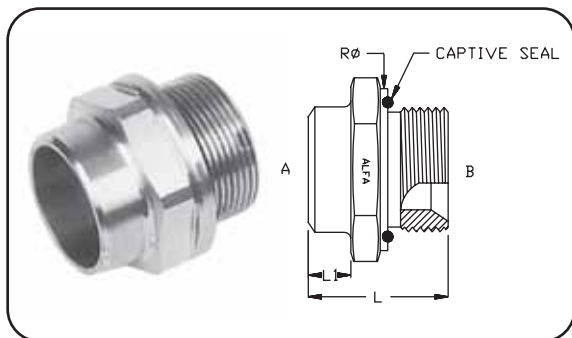
A3TP32?

- ? = Pipe Sched
- D = Sched 40
- H = Sched 80

Pipe Specs: [Reference Tables, page 202](#)

BUTT-WELD ADAPTORS

BUTT WELD TUBE X BSPP - ENC O-RING



Metric Tube Example:

A3TMB3024-3

TM = Metric Tube

30 = Metric Tube OD

-3 = Metric Tube Wall Thickness

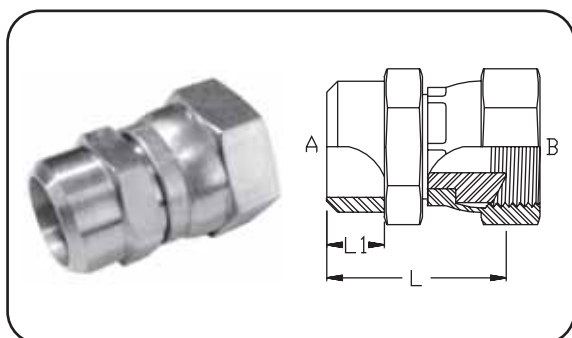
- **Stainless (316L)** Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 194](#)

Part Number	R.R. Price	Tube A	Tube OD Ø	BSPP B	L	L1	Boss R - Ø	Hex A/F	BSPP O-Ring	Mat Grade or Equiv.
A3TB1616		1	25.4	1-11	52	18	46	42	A9SRB16	1020
A3TB2016		1 1/4	31.8	1-11	52	18	46	42	A9SRB16	1020
A3TB2020		1 1/4	31.8	1 1/4-11	55	18	55	50	A9SRB20	1020
A3TB2024		1 1/4	31.8	1 1/2-11	59	18	61	56	A9SRB24	1020
A3TB2420		1 1/2	38.1	1 1/4-11	55	18	55	50	A9SRB20	1020
A3TB2424		1 1/2	38.1	1 1/2-11	59	18	61	56	A9SRB24	1020
A3TB2432		1 1/2	38.1	2-11	61	18	75	68	A9SRB32	1020
A3TB3224		2	50.8	1 1/2-11	60	19	61	56	A9SRB24	1020
A3TB3232		2	50.8	2-11	62	19	75	68	A9SRB32	1020

BUTT WELD TUBE X BSPPF SWIVEL



Metric Tube Example:

A3TMBS3024-3

TM = Metric Tube

30 = Metric Tube OD

-3 = Metric Tube Wall Thickness

- **Stainless (316L)** Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

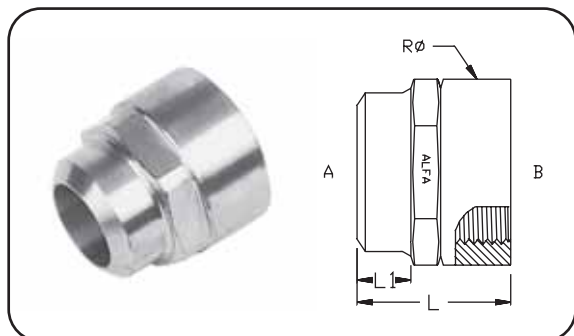
Thread Specifications: [Reference Tables, page 194](#)

Part Number	R.R. Price	Tube A	Tube OD Ø	Swivel B -BSPPF	L	L1	Hex A/F	Swivel Hex A/F	Mat Grade or Equiv.
A3TBS1612		1	25.4	3/4-14	54.5	18	28	33	250
A3TBS1616		1	25.4	1-11	61.5	18	28	41	250
A3TBS2016		1 1/4	31.8	1-11	61.5	18	34	41	1020
A3TBS2020		1 1/4	31.8	1 1/4-11	69.5	18	34	51	1020
A3TBS2420		1 1/2	38.1	1 1/4-11	69.5	18	40	51	1020
A3TBS2424		1 1/2	38.1	1 1/2-11	70.5	18	40	57	1020
A3TBS3224		2	50.8	1 1/2-11	71.5	19	53	57	1020
A3TBS3232		2	50.8	2-11	80.5	19	53	72	1020

BUTT-WELD ADAPTORS



BUTT WELD TUBE X BSPPF



Metric Tube Example:

A3TMBF3024-3

TM = Metric Tube

30 = Metric Tube OD

-3 = Metric Tube Wall Thickness

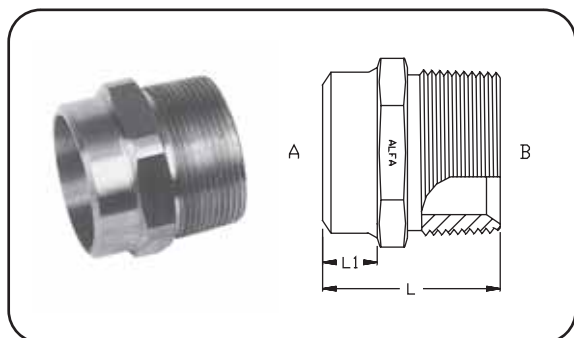
- **Stainless** (316L) Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 194](#)

Part Number	R.R. Price	Tube A	Tube OD Ø	BSPPF B	L	L1	Boss R - Ø	Hex A/F	Mat Grade or Equiv.
A3TBF1612		1	25.4	3/4-14	51	18	38	35	1020
A3TBF1616		1	25.4	1-11	54	18	46	42	1020
A3TBF2016		1 1/4	31.8	1-11	54	18	46	42	1020
A3TBF2020		1 1/4	31.8	1 1/4-11	56	18	55	50	1020
A3TBF2420		1 1/2	38.1	1 1/4-11	56	18	55	50	1020
A3TBF2424		1 1/2	38.1	1 1/2-11	60	18	61	56	1020
A3TBF3224		2	50.8	1 1/2-11	61	19	61	56	1020
A3TBF3232		2	50.8	2-11	63	19	75	68	1020

BUTT WELD TUBE X BSPT



Metric Tube Example:

A3TMG3024-3

TM = Metric Tube

30 = Metric Tube OD

-3 = Metric Tube Wall Thickness

- **Stainless** (316L) Change 1st Letter from A to S

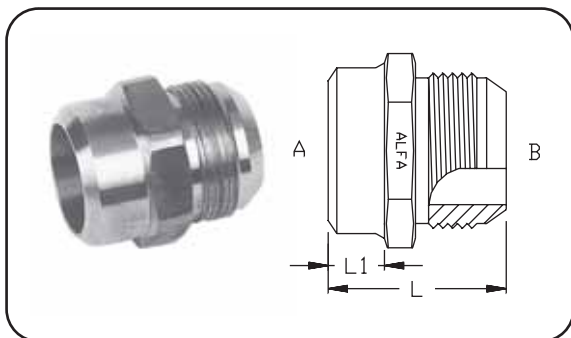
Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 197](#)

Part Number	R.R. Price	Tube A	Tube OD Ø	BSPTF B	L	L1	Hex A/F	Mat Grade or Equiv.
A3TG1616		1	25.4	1-11	58	18	34	1020
A3TG2016		1 1/4	31.8	1-11	58	18	34	1020
A3TG2020		1 1/4	31.8	1 1/4-11	60	18	41	1020
A3TG2024		1 1/4	31.8	1 1/2-11	60	18	46	1020
A3TG2420		1 1/2	38.1	1 1/4-11	60	18	41	1020
A3TG2424		1 1/2	38.1	1 1/2-11	60	18	46	1020
A3TG2432		1 1/2	38.1	2-11	64	18	57	1020
A3TG3224		2	50.8	1 1/2-11	58	19	53	1020
A3TG3232		2	50.8	2-11	65	19	57	1020

BUTT-WELD ADAPTORS

BUTT WELD TUBE X JIC



Metric Tube Example:

A3TMJ3026-3

TM = Metric Tube

30 = Metric Tube OD

-3 = Metric Tube Wall Thickness

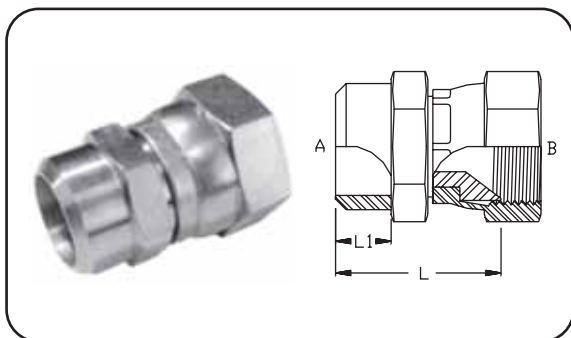
- **Stainless (316L)** Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 198](#)

Part Number	R.R. Price	Tube A	Tube OD Ø	JIC B	L	L1	Hex A/F	Mat Grade or Equiv.
A3TJ1614		1	25.4	7/8-14	45.3	18	28	250
A3TJ1617		1	25.4	1 1/16-12	50.9	18	31	250
A3TJ1621		1	25.4	1 5/16-12	55.1	18	32	1020
A3TJ1626		1	25.4	1 5/8-12	56.3	18	39	1020
A3TJ2017		1 1/4	31.8	1 1/16-12	50.9	18	34	1020
A3TJ2021		1 1/4	31.8	1 5/16-12	52.1	18	37	1020
A3TJ2026		1 1/4	31.8	1 5/8-12	56.3	18	39	1020
A3TJ2421		1 1/2	38.1	1 5/16-12	53.1	18	40	1020
A3TJ2426		1 1/2	38.1	1 5/8-12	54.3	18	45	1020
A3TJ2430		1 1/2	38.1	1 7/8-12	60.5	18	45	1020
A3TJ3226		2	50.8	1 5/8-12	55.3	19	53	1020
A3TJ3230		2	50.8	1 7/8-12	58.5	19	53	1020
A3TJ3240		2	50.8	2 1/2-12	69.9	19	60	1020

BUTT WELD TUBE X JICF SWIVEL



Metric Tube Example:

A3TMJS3026-3

TM = Metric Tube

30 = Metric Tube OD

-3 = Metric Tube Wall Thickness

- **Stainless (316L)** Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 199](#)

Part Number	R.R. Price	Tube A	Tube OD Ø	Swivel JICF	L	L1	Hex A/F	Swivel Hex A/F	Mat Grade or Equiv.
A3TJS1617		1	25.4	1 1/16-12	48.2	18	28	33	250
A3TJS1621		1	25.4	1 5/16-12	54.2	18	28	41	250
A3TJS2026		1 1/4	31.8	1 5/8-12	59.2	18	34	51	1020
A3TJS2421		1 1/2	38.1	1 5/16-12	55.2	18	40	41	1020
A3TJS2426		1 1/2	38.1	1 5/8-12	59.2	18	40	51	1020
A3TJS2430		1 1/2	38.1	1 7/8-12	62.2	18	40	57	1020
A3TJS3230		2	50.8	1 7/8-12	63.2	19	53	57	1020
A3TJS3240		2	50.8	2 1/2-12	72.7	19	53	75	1020

SOCKET-WELD ADAPTORS



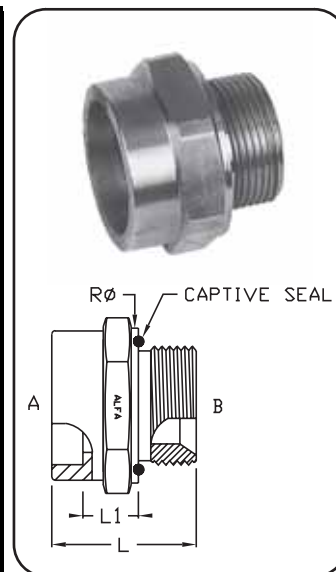
Description	Part Number	Page No.
SOCKET WELD PIPE X BSPP - ENC O-RING	A4PB	66
SOCKET WELD PIPE X BSPPF SWIVEL	A4PBS	66
SOCKET WELD PIPE X BSPPF	A4PBF	67
SOCKET WELD PIPE X BSPT	A4PG	67
SOCKET WELD PIPE X BSPTF	A4PGF	68
SOCKET WELD PIPE X JIC	A4PJ	68
SOCKET WELD PIPE X JICF SWIVEL	A4PJS	69
SOCKET WELD PIPE STANDPIPE X BSPP	A4PSB	69
SOCKET WELD PIPE STANDPIPE X BSPPF	A4PSBF	70
SOCKET WELD PIPE STANDPIPE X JIC	A4PSJ	70
CONNECTOR SOCKET WELD PIPE X SOCKET WELD PIPE	A4CP	71
SOCKET WELD PIPE X 90° ELBOW	A4EP	71
SOCKET WELD PIPE TEE	A4TP	72
SOCKET WELD TUBE X BSPP - ENC O-RING	A4TB	72
SOCKET WELD TUBE X BSPPF SWIVEL	A4TBS	73
SOCKET WELD TUBE X BSPPF	A4TBF	73
SOCKET WELD TUBE X BSPT	A4TG	74
SOCKET WELD TUBE X BSPTF	A4TGF	74
SOCKET WELD TUBE X JIC	A4TJ	75
SOCKET WELD TUBE X JICF SWIVEL	A4TJS	75
CONNECTOR SOCKET WELD TUBE X SOCKET WELD TUBE	A4CT	76
ELBOW - SOCKET WELD TUBE	A4ET	77
TEE - SOCKET WELD TUBE	A4TT	77

4

SOCKET-WELD ADAPTORS

SOCKET WELD PIPE X BSPP - ENC O-RING

Part Number	R.R. Price	Pipe A	Pipe - Ø A	BSPP B	L	L1	Boss R - Ø	Hex A/F 3000lbs	BSPP O-Ring	Mat Grade or Equiv.
A4PB0808?		1/2	21.3	1/2-14	43	19	33	35	A9SRB08	1020
A4PB1208?		3/4	26.7	1/2-14	43	16	33	39	A9SRB08	1020
A4PB1212?		3/4	26.7	3/4-14	46	17	38	40	A9SRB12	1020
A4PB1612?		1	33.4	3/4-14	46	17	38	47	A9SRB12	1020
A4PB1616?		1	33.4	1-11	48	17	46	48	A9SRB16	1020
A4PB1620?		1	33.4	1 1/4-11	52	19	55	50	A9SRB20	1020
A4PB2016?		1 1/4	42.2	1-11	50	19	46	57	A9SRB16	1020
A4PB2020?		1 1/4	42.2	1 1/4-11	52	19	55	57	A9SRB20	1020
A4PB2024?		1 1/4	42.2	1 1/2-11	54	19	61	63	A9SRB24	1020
A4PB2420?		1 1/2	48.3	1 1/4-11	52	19	55	64	A9SRB20	1020
A4PB2424?		1 1/2	48.3	1 1/2-11	54	19	61	63	A9SRB24	1020
A4PB2432?		1 1/2	48.3	2-11	58	21	75	68	A9SRB32	1020
A4PB3224?		2	60.3	1 1/2-11	55	17	61	77	A9SRB24	1020
A4PB3232?		2	60.3	2-11	56	16	75	77	A9SRB32	1020
A4PB4040C		2 1/2	73.0	2 1/2-11	58	16	91	93	A9SRB40	1020
A4PB4848C		3	88.9	3-11	60	16	104	111	A9SRB48	1020



- **Stainless (316L)** Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 194](#)

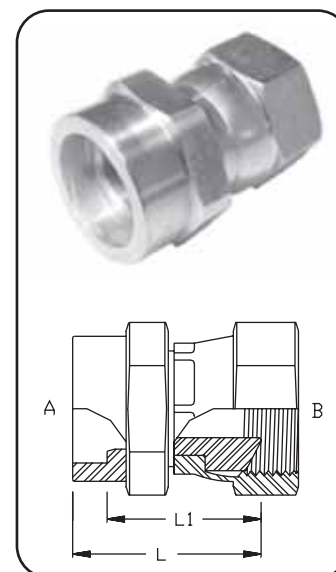
Order Code Example:

A4PB3224?

- ? = Pipe Series
- C = Series 3000lbs (Sched 80)
- F = Series 6000lbs (Sched 160)

SOCKET WELD PIPE X BSPPF SWIVEL

Part Number	R.R. Price	Pipe A	Pipe - Ø A	Swivel B - BSPPF	L	L1	Hex A/F 3000lbs	Swivel Hex A/F	Mat Grade or Equiv.
A4PBS0808?		1/2	21.3	1/2-14	51	16	33	27	1020
A4PBS0812?		1/2	21.3	3/4-14	54	16	33	33	1020
A4PBS1212?		3/4	26.7	3/4-14	54	16	39	33	1020
A4PBS1216?		3/4	26.7	1-11	57	16	39	41	1020
A4PBS1616?		1	33.4	1-11	58	18	47	41	1020
A4PBS1620?		1	33.4	1 1/4-11	67	18	47	51	1020
A4PBS2020?		1 1/4	42.2	1 1/4-11	69	20	57	51	1020
A4PBS2024?		1 1/4	42.2	1 1/2-11	70	20	57	57	1020
A4PBS2424?		1 1/2	48.3	1 1/2-11	70	20	63	57	1020
A4PBS2432?		1 1/2	48.3	2-11	79	20	63	72	1020
A4PBS3232?		2	60.3	2-11	79	21	77	72	1020



- **Stainless (316L)** Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 194](#)

Order Code Example:

A4PBS3224?

- ? = Pipe Series
- C = Series 3000lbs (Sched 80)
- F = Series 6000lbs (Sched 160)

SOCKET-WELD ADAPTORS



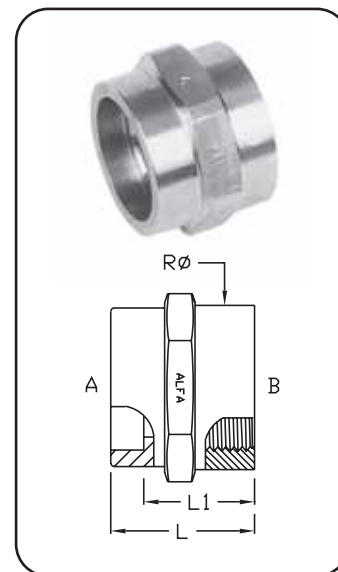
SOCKET WELD PIPE X BSPPF

Part Number	R.R. Price	Pipe A	Pipe - Ø A	BSPPF B	L	L1	Boss R - Ø	Hex A/F 3000lbs	Mat Grade or Equiv.
A4PBF0808?		1/2	21.3	1/2-14	37	27	33	35	1020
A4PBF1208?		3/4	26.7	1/2-14	37	24	33	39	1020
A4PBF1212?		3/4	26.7	3/4-14	39	26	38	40	1020
A4PBF1612?		1	33.4	3/4-14	39	26	38	47	1020
A4PBF1616?		1	33.4	1-11	42	29	46	48	1020
A4PBF2016?		1 1/4	42.2	1-11	42	29	46	57	1020
A4PBF2020?		1 1/4	42.2	1 1/4-11	44	31	55	57	1020
A4PBF2420?		1 1/2	48.3	1 1/4-11	44	31	55	64	1020
A4PBF2424?		1 1/2	48.3	1 1/2-11	46	33	61	63	1020
A4PBF3224?		2	60.3	1 1/2-11	46	30	61	77	1020
A4PBF3232?		2	60.3	2-11	49	33	75	77	1020
A4PBF4032C		2 1/2	73.0	2-11	49	33	75	94	1020
A4PBF4040C		2 1/2	73.0	2 1/2-11	52	36	91	93	1020
A4PBF4840C		3	88.9	2 1/2-11	51	35	91	111	1020
A4PBF4848C		3	88.9	3-11	53	37	104	111	1020

- **Stainless (316L)** Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 194](#)



Order Code Example:

A4PBF3224?

- ? = Pipe Series
- C = Series 3000lbs (Sched 80)
- F = Series 6000lbs (Sched 160)

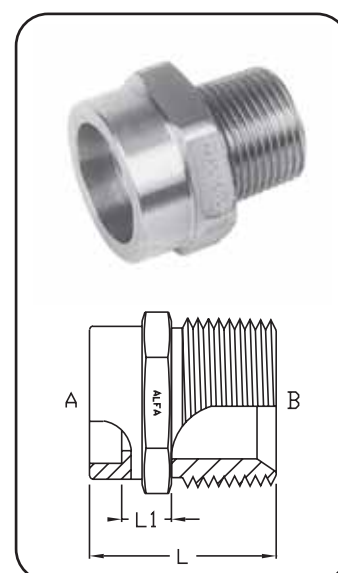
SOCKET WELD PIPE X BSPT

Part Number	R.R. Price	Pipe A	Pipe - Ø A	BSPT B	L	L1	Hex A/F 3000lbs	Mat Grade or Equiv.
A4PG0808?		1/2	21.3	1/2-14	47	16	33	1020
A4PG1212?		3/4	26.7	3/4-14	47	13	39	1020
A4PG1216?		3/4	26.7	1-11	52	13	39	1020
A4PG1612?		1	33.4	3/4-14	48	14	47	1020
A4PG1616?		1	33.4	1-11	53	14	47	1020
A4PG2016?		1 1/4	42.2	1-11	55	16	57	1020
A4PG2020?		1 1/4	42.2	1 1/4-11	56	16	57	1020
A4PG2420?		1 1/2	48.3	1 1/4-11	56	16	64	1020
A4PG2424?		1 1/2	48.3	1 1/2-11	56	16	64	1020
A4PG2432?		1 1/2	48.3	2-11	58	16	65	1020
A4PG3224?		2	60.3	1 1/2-11	57	14	77	1020
A4PG3232?		2	60.3	2-11	58	13	77	1020
A4PG3240?		2	60.3	2 1/2-11	61	13	80	1020
A4PG3248?		2	60.3	3-11	71	21	83	1020
A4PG4032C		2 1/2	73.0	2-11	59	14	94	1020
A4PG4040C		2 1/2	73.0	2 1/2-11	61	13	94	1020
A4PG4048C		2 1/2	73.0	3-11	63	13	93	1020
A4PG4832C		3	88.9	2-11	66	21	111	1020
A4PG4840C		3	88.9	2 1/2-11	63	15	111	1020
A4PG4848C		3	88.9	3-11	63	13	111	1020

- **Stainless (316L)** Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 197](#)



Order Code Example:

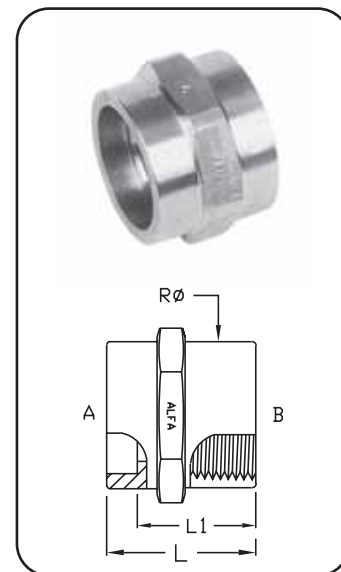
A4PG3224?

- ? = Pipe Series
- C = Series 3000lbs (Sched 80)
- F = Series 6000lbs (Sched 160)

SOCKET-WELD ADAPTORS

SOCKET WELD PIPE X BSPTF

Part Number	R.R. Price	Pipe A	Pipe - Ø A	BSPTF B	L	L1	Boss R - Ø	Hex A/F 3000lbs	Mat Grade or Equiv.
A4PGF0808?		1/2	21.3	1/2-14	44	34	29	33	1020
A4PGF1212?		3/4	26.7	3/4-14	44	31	35	39	1020
A4PGF1616?		1	33.4	1-11	51	38	42	47	1020
A4PGF2020?		1 1/4	42.2	1 1/4-11	53	40	53	57	1020
A4PGF2420?		1 1/2	48.3	1 1/4-11	53	40	53	64	1020
A4PGF2424?		1 1/2	48.3	1 1/2-11	52	39	61	63	1020
A4PGF3224?		2	60.3	1 1/2-11	52	36	61	77	1020
A4PGF3232?		2	60.3	2-11	55	39	74	77	1020



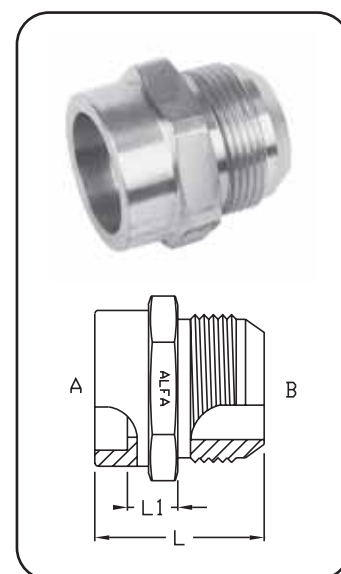
Order Code Example:

A4PGF3224?

- ? = Pipe Series
- C = Series 3000lbs(Sched 80)
- F = Series 6000lbs (Sched 160)

SOCKET WELD PIPE X JIC

Part Number	R.R. Price	Pipe A	Pipe - Ø A	JIC B	L	L1	Hex A/F 3000lbs	Mat Grade or Equiv.
A4PJ0612?		3/8	17.1	3/4-16	39.7	13	28	250
A4PJ0812?		1/2	21.3	3/4-16	42.7	16	33	1020
A4PJ0814?		1/2	21.3	7/8-14	45.3	16	33	1020
A4PJ0817?		1/2	21.3	1 1/16-12	47.9	16	33	1020
A4PJ1209?		3/4	26.7	9/16-18	40.1	13	39	1020
A4PJ1212?		3/4	26.7	3/4-16	42.7	13	39	1020
A4PJ1214?		3/4	26.7	7/8-14	45.3	13	39	1020
A4PJ1217?		3/4	26.7	1 1/16-12	47.9	13	39	1020
A4PJ1221?		3/4	26.7	1 5/16-12	49.1	13	39	1020
A4PJ1617?		1	33.4	1 1/16-12	48.9	14	47	1020
A4PJ1621?		1	33.4	1 5/16-12	50.1	14	47	1020
A4PJ1626?		1	33.4	1 5/8-12	51.3	14	47	1020
A4PJ2021?		1 1/4	42.2	1 5/16-12	52.1	16	57	1020
A4PJ2026?		1 1/4	42.2	1 5/8-12	53.3	16	57	1020
A4PJ2030?		1 1/4	42.2	1 7/8-12	56.5	16	57	1020
A4PJ2421?		1 1/2	48.3	1 5/16-12	52.1	16	64	1020
A4PJ2426?		1 1/2	48.3	1 5/8-12	53.3	16	64	1020
A4PJ2430?		1 1/2	48.3	1 7/8-12	56.5	16	64	1020
A4PJ3226?		2	60.3	1 5/8-12	58.3	18	77	1020
A4PJ3230?		2	60.3	1 7/8-12	59.5	16	77	1020
A4PJ3240?		2	60.3	2 1/2-12	62.9	13	77	1020
A4PJ4030C		2 1/2	73.0	1 7/8-12	63.5	20	94	1020
A4PJ4040C		2 1/2	73.0	2 1/2-12	63.9	14	94	1020



Order Code Example:

A4PJ2026?

- ? = Pipe Series
- C = Series 3000lbs(Sched 80)
- F = Series 6000lbs (Sched 160)

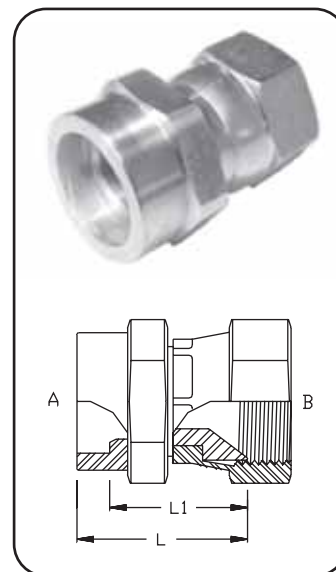
Thread Specifications: [Reference Tables, page 198](#)

SOCKET-WELD ADAPTORS



SOCKET WELD PIPE X JICF SWIVEL

Part Number	R.R. Price	Pipe A	Pipe - Ø A	Swivel JICF	L	L1	Hex A/F 3000lbs	Swivel Hex A/F	Mat Grade or Equiv.
A4PJS0812?		1/2	21.3	3/4-16	43	33	33	25	1020
A4PJS0817?		1/2	21.3	1 1/16-12	48	38	33	33	1020
A4PJS1217?		3/4	26.7	1 1/16-12	48	35	39	33	1020
A4PJS1221?		3/4	26.7	1 5/16-12	51	38	39	41	1020
A4PJS1621?		1	33.4	1 5/16-12	52	39	47	41	1020
A4PJS1626?		1	33.4	1 5/8-12	56	43	47	51	1020
A4PJS2026?		1 1/4	42.2	1 5/8-12	58	45	57	51	1020
A4PJS2426?		1 1/2	48.3	1 5/8-12	58	45	63	51	1020
A4PJS2430?		1 1/2	48.3	1 7/8-12	61	48	63	57	1020
A4PJS3230?		2	60.3	1 7/8-12	66	50	77	57	1020
A4PJS3240?		2	60.3	2 1/2-12	70	54	77	75	1020



- **Stainless (316L)** Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 199](#)

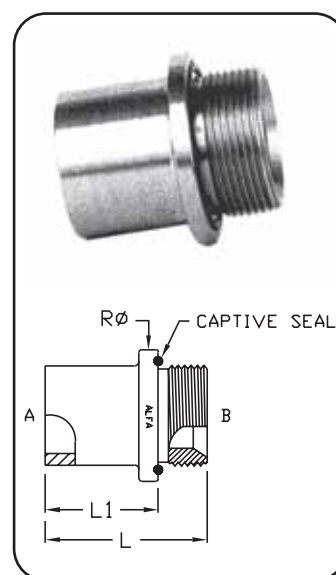
Order Code Example:

A4PJS2026?

- ? = Pipe Series
- C = Series 3000lbs(Sched 80)
- F = Series 6000lbs (Sched 160)

SOCKET WELD PIPE STANDPIPE X BSPP

Part Number	R.R. Price	Pipe A	Pipe - Ø A	BSPP B	L	L1	Boss R - Ø	BSPP O-Ring	Mat Grade or Equiv.
A4PSB1212?		3/4	26.7	3/4-14	62	38	38	A9SRB12	1020
A4PSB1616?		1	33.4	1-11	67	41	46	A9SRB16	1020
A4PSB1620?		1	33.4	1 1/4-11	69	41	55	A9SRB20	1020
A4PSB2016?		1 1/4	42.2	1-11	67	41	46	A9SRB16	1020
A4PSB2020?		1 1/4	42.2	1 1/4-11	69	41	55	A9SRB20	1020
A4PSB2024?		1 1/4	42.2	1 1/2-11	71	41	61	A9SRB24	1020
A4PSB2420?		1 1/2	48.3	1 1/4-11	69	41	55	A9SRB20	1020
A4PSB2424?		1 1/2	48.3	1 1/2-11	71	41	61	A9SRB24	1020
A4PSB2432?		1 1/2	48.3	2-11	73	41	75	A9SRB32	1020
A4PSB3224?		2	60.3	1 1/2-11	77	44	61	A9SRB24	1020
A4PSB3232?		2	60.3	2-11	76	44	75	A9SRB32	1020



- **Stainless (316L)** Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 194](#)

Order Code Example:

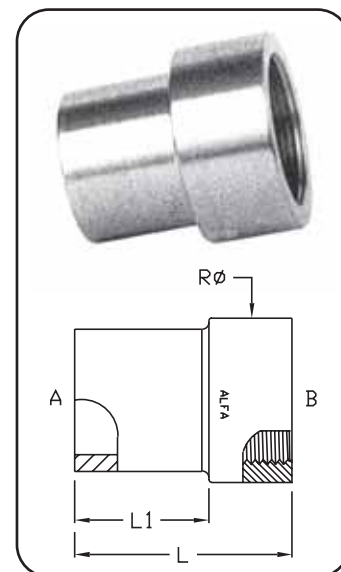
A4PSB3224?

- ? = Pipe Series
- C = Series 3000lbs(Sched 80)
- F = Series 6000lbs (Sched 160)

SOCKET-WELD ADAPTORS

SOCKET WELD PIPE STANDPIPE X BSPPF

Part Number	R.R. Price	Pipe A	Pipe - Ø A	BSPPF B	L	L1	Boss R - Ø	Mat Grade or Equiv.
A4PSBF0808?		1/2	21.3	1/2-14	60	38	33	250
A4PSBF1212?		3/4	26.7	3/4-14	62	38	38	1020
A4PSBF1616?		1	33.4	1-11	67	41	46	1020
A4PSBF2020?		1 1/4	42.2	1 1/4-11	69	41	55	1020
A4PSBF2424?		1 1/2	48.3	1 1/2-11	71	41	61	1020
A4PSBF3232?		2	60.3	2-11	76	44	75	1020



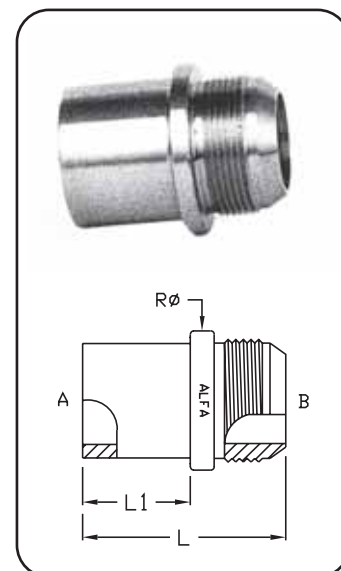
Order Code Example:

A4PSBF2424?

- ? = Pipe Series
- C = Series 3000lbs(Sched 80)
- F = Series 6000lbs (Sched 160)

SOCKET WELD PIPE STANDPIPE X JIC

Part Number	R.R. Price	Pipe A	Pipe - Ø A	JIC B	L	L1	R - Ø	Mat Grade or Equiv.
A4PSJ0612?		3/8	17.1	3/4-16	60.7	38	21	250
A4PSJ0812?		1/2	21.3	3/4-16	60.7	38	21	250
A4PSJ1212?		3/4	26.7	3/4-16	60.7	38	21	250
A4PSJ1217?		3/4	26.7	1 1/16-12	65.9	38	29	250
A4PSJ1221?		3/4	26.7	1 5/16-12	67.1	38	36	1020
A4PSJ1617?		1	33.4	1 1/16-12	68.9	41	29	250
A4PSJ1621?		1	33.4	1 5/16-12	70.1	41	36	1020
A4PSJ2021?		1 1/4	42.2	1 5/16-12	70.1	41	36	1020
A4PSJ2026?		1 1/4	42.2	1 5/8-12	71.3	41	44	1020
A4PSJ2030?		1 1/4	42.2	1 7/8-12	74.5	41	50	1020
A4PSJ2426?		1 1/2	48.3	1 5/8-12	71.3	41	44	1020
A4PSJ2430?		1 1/2	48.3	1 7/8-12	74.5	41	50	1020
A4PSJ3226?		2	60.3	1 5/8-12	74.3	44	44	1020
A4PSJ3230?		2	60.3	1 7/8-12	77.5	44	50	1020
A4PSJ3240?		2	60.3	2 1/2-12	83.9	44	66	1020



Order Code Example:

A4PSJ2026?

- ? = Pipe Series
- C = Series 3000lbs(Sched 80)
- F = Series 6000lbs (Sched 160)

- **Stainless (316L)** Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

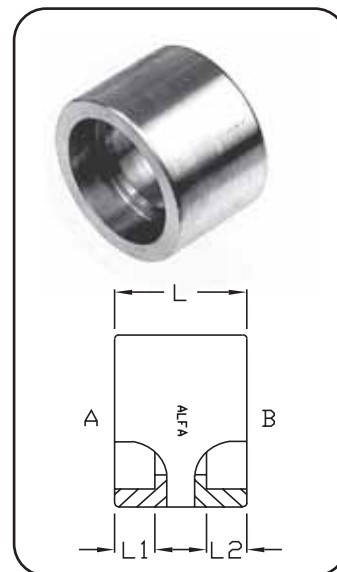
Thread Specifications: [Reference Tables, page 198](#)

SOCKET-WELD ADAPTORS



CONNECTOR SOCKET WELD PIPE X SOCKET WELD PIPE

Part Number	R.R. Price	Pipe A	Pipe - Ø A	Pipe B	Pipe - Ø B	L	L1	L2	Mat Grade or Equiv.
A4CP0808?		1/2	21.3	1/2	21.3	30	10	10	250
A4CP1208?		3/4	26.7	1/2	21.3	38	13	10	1020
A4CP1212?		3/4	26.7	3/4	26.7	39	13	13	1020
A4CP1612?		1	33.4	3/4	26.7	42	13	13	1020
A4CP1616?		1	33.4	1	33.4	39	13	13	1020
A4CP2016?		1 1/4	42.2	1	33.4	44	13	13	1020
A4CP2020?		1 1/4	42.2	1 1/4	42.2	39	13	13	1020
A4CP2420?		1 1/2	48.3	1 1/4	42.2	42	13	13	1020
A4CP2424?		1 1/2	48.3	1 1/2	48.3	39	13	13	1020
A4CP3224?		2	60.3	1 1/2	48.3	50	16	13	1020
A4CP3232?		2	60.3	2	60.3	48	16	16	1020
A4CP4032C		2 1/2	73.0	2	60.3	53	16	16	1020
A4CP4040C		2 1/2	73.0	2 1/2	73.0	48	16	16	1020
A4CP4840C		3	88.9	2 1/2	73.0	56	16	16	1020
A4CP4848C		3	88.9	3	88.9	48	16	16	1020



Order Code Example:

A4CP3224?

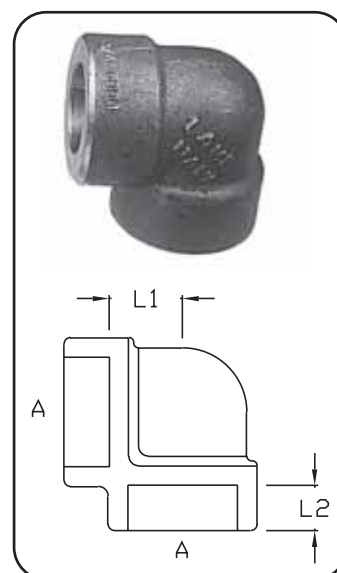
- ? = Pipe Series
- C = Series 3000lbs(Sched 80)
- F = Series 6000lbs (Sched 160)

- **Stainless** (316L) Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

SOCKET WELD PIPE X 90° ELBOW

Part Number	R.R. Price	Pipe A	Pipe - Ø A	L1 nom	L2
A4EP08C		1/2	21.3	16	10
A4EP08F		1/2	21.3	20	10
A4EP12C		3/4	26.7	20	13
A4EP12F		3/4	26.7	23	13
A4EP16C		1	33.4	22	13
A4EP16F		1	33.4	27	13
A4EP20C		1 1/4	42.2	27	13
A4EP20F		1 1/4	42.2	32	13
A4EP24C		1 1/2	48.3	32	13
A4EP24F		1 1/2	48.3	38	13
A4EP32C		2	60.3	38	16
A4EP32F		2	60.3	41	16
A4EP40C		2 1/2	73.0	42	16
A4EP48C		3	88.9	58	16



Order Code Example:

A4EP32?

- ? = Pipe Series
- C = Series 3000lbs(Sched 80)
- F = Series 6000lbs (Sched 160)

Note:

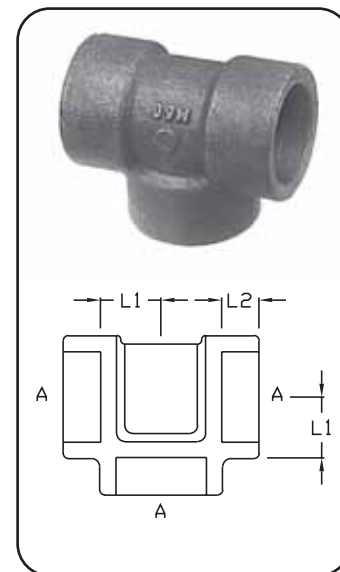
Material: Steel to ANSI B16.9 or Equivalent

- **Stainless** (316L) Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

SOCKET WELD PIPE TEE

Part Number	R.R. Price	Pipe A	Pipe - Ø A	L1 nom	L2
A4TP08C		1/2	21.3	15.5	10
A4TP12C		3/4	26.7	19.5	13
A4TP16C		1	33.4	22.0	13
A4TP16F		1	33.4	27.0	13
A4TP20C		1 1/4	42.2	27.0	13
A4TP20F		1 1/4	42.2	32.0	13
A4TP24C		1 1/2	48.3	32.0	13
A4TP24F		1 1/2	48.3	38.0	13
A4TP32C		2	60.3	38.0	16
A4TP32F		2	60.3	41.0	16



Note:

Material: Steel to ANSI B16.9 or Equivalent

- **Stainless** (316L) Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Order Code Example:

A4TP32?

- ? = Pipe Series
- C = Series 3000lbs (Sched 80)
- F = Series 6000lbs (Sched 160)

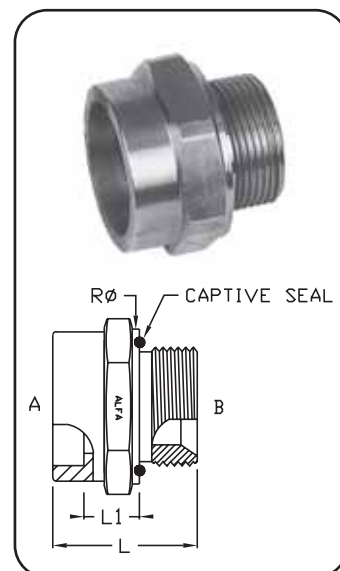
SOCKET WELD TUBE X BSPP - ENC O-RING

Part Number	R.R. Price	Tube A	Tube - Ø A	BSPP B	L	L1	Boss R - Ø	Hex A/F	BSPP O-Ring
A4TB0604		3/8	9.5	1/4-19	39	17	22	20	A9SRB04
A4TB0806		1/2	12.7	3/8-19	39	17	27	25	A9SRB06
A4TB0808		1/2	12.7	1/2-14	44	20	33	30	A9SRB08
A4TB1008		5/8	15.9	1/2-14	44	20	33	30	A9SRB08
A4TB1208		3/4	19.1	1/2-14	43	19	33	35	A9SRB08
A4TB1212		3/4	19.1	3/4-14	46	20	38	35	A9SRB12
A4TB1216		3/4	19.1	1-11	49	21	46	42	A9SRB16
A4TB1612		1	25.4	3/4-14	46	17	38	40	A9SRB12
A4TB1616		1	25.4	1-11	49	18	46	42	A9SRB16
A4TB1620		1	25.4	1 1/4-11	52	19	55	50	A9SRB20
A4TB1812		1 1/8	28.6	3/4-14	46	17	38	42	A9SRB12
A4TB2012		1 1/4	31.8	3/4-14	46	17	38	45	A9SRB12
A4TB2016		1 1/4	31.8	1-11	48	17	46	48	A9SRB16
A4TB2020		1 1/4	31.8	1 1/4-11	52	19	55	50	A9SRB20
A4TB2024		1 1/4	31.8	1 1/2-11	56	21	61	56	A9SRB24
A4TB2416		1 1/2	38.1	1-11	48	17	46	51	A9SRB16
A4TB2420		1 1/2	38.1	1 1/4-11	52	19	55	57	A9SRB20
A4TB2424		1 1/2	38.1	1 1/2-11	56	21	61	56	A9SRB24
A4TB2432		1 1/2	38.1	2-11	58	21	75	68	A9SRB32
A4TB3220		2	50.8	1 1/4-11	52	19	55	64	A9SRB20
A4TB3224		2	50.8	1 1/2-11	54	19	61	64	A9SRB24
A4TB3232		2	50.8	2-11	58	21	75	68	A9SRB32

- **Stainless** (316L) Change 1st Letter from A to S

Tube Specifications: [Reference Tables, page 203](#)

Thread Specifications: [Reference Tables, page 194](#)



Order Code Example:

Metric Tube Example:

A4TMB2516-3

M25-3 = Metric Tube OD
x Wall Thickness

SOCKET-WELD ADAPTORS



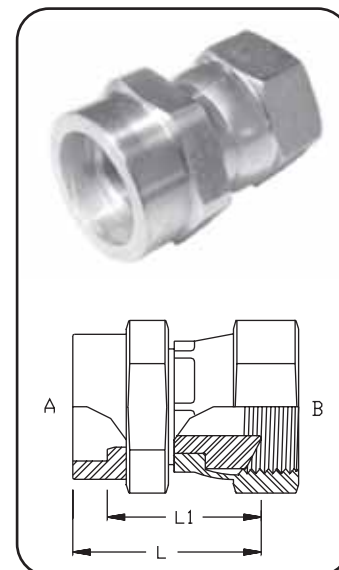
SOCKET WELD TUBE X BSPPF SWIVEL

Part Number	R.R. Price	Tube A	Tube - Ø A	Swivel B -BSPPF	L	L1	Hex A/F	Swivel Hex A/F	Mat Grade or Equiv.
A4TBS0604		3/8	9.5	1/4-19	44	34	17	19	250
A4TBS0806		1/2	12.7	3/8-19	45	35	21	22	250
A4TBS0808		1/2	12.7	1/2-14	48	38	21	27	250
A4TBS1208		3/4	19.7	1/2-14	51	41	31	27	250
A4TBS1212		3/4	19.1	3/4-14	54	44	31	33	250
A4TBS1612		1	25.4	3/4-14	54	41	37	33	1020
A4TBS1616		1	25.4	1-11	57	44	37	41	1020
A4TBS2016		1 1/4	31.8	1-11	58	45	45	41	1020
A4TBS2020		1 1/4	31.6	1 1/4-11	67	54	45	51	1020
A4TBS2420		1 1/2	38.1	1 1/4-11	67	54	51	51	1020
A4TBS2424		1 1/2	38.1	1 1/2-11	68	55	51	57	1020
A4TBS3224		2	50.8	1 1/2-11	70	57	64	57	1020
A4TBS3232		2	50.8	2-11	79	66	64	72	1020

- **Stainless (316L)** Change 1st Letter from A to S

Tube Specifications:[Reference Tables, page 203](#)

Thread Specifications:[Reference Tables, page 199](#)



Order Code Example:

Metric Tube Example:

A4TMBS2516-3

M25-3 = Metric Tube OD
x Wall Thickness

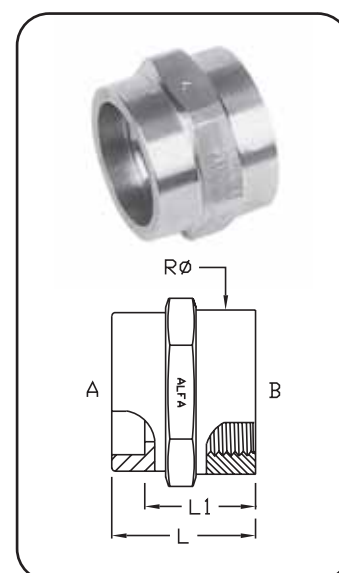
SOCKET WELD TUBE X BSPPF

Part Number	R.R. Price	Tube A	Tube - Ø A	BSPPF B	L	L1	Boss R - Ø	Hex A/F	Mat Grade or Equiv.
A4TBF0604		3/8	9.5	1/4-19	41	31	22	20	250
A4TBF0806		1/2	12.7	3/8-19	41	31	27	25	250
A4TBF0808		1/2	12.7	1/2-14	46	36	33	30	250
A4TBF1008		5/8	15.9	1/2-14	46	36	33	30	250
A4TBF1208		3/4	19.1	1/2-14	37	27	33	35	1020
A4TBF1212		3/4	19.1	3/4-14	48	38	38	35	1020
A4TBF1612		1	25.4	3/4-14	39	26	38	40	1020
A4TBF1616		1	25.4	1-11	51	38	46	42	1020
A4TBF2016		1 1/4	31.8	1-11	42	29	46	48	1020
A4TBF2020		1 1/4	31.8	1 1/4-11	54	41	55	50	1020
A4TBF2420		1 1/2	38.1	1 1/4-11	44	31	55	57	1020
A4TBF2424		1 1/2	38.1	1 1/2-11	57	44	61	56	1020
A4TBF3224		2	50.8	1 1/2-11	46	33	61	64	1020
A4TBF3232		2	50.8	2-11	59	46	75	68	1020

- **Stainless (316L)** Change 1st Letter from A to S

Tube Specifications:[Reference Tables, page 203](#)

Thread Specifications:[Reference Tables, page 194](#)



Order Code Example:

Metric Tube Example:

A4TMBF2516-3

M25-3 = Metric Tube OD
x Wall Thickness

SOCKET-WELD ADAPTORS

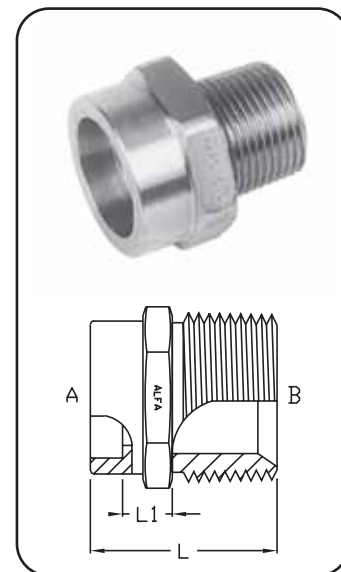
SOCKET WELD TUBE X BSPT

Part Number	R.R. Price	Tube A	Tube - Ø A	BSPT B	L	L1	Hex A/F	Mat Grade or Equiv.
A4TG0808		1/2	12.7	1/2-14	48	17	22	250
A4TG1008		5/8	15.9	1/2-14	44	13	26	250
A4TG1208		3/4	19.1	1/2-14	47	16	31	250
A4TG1212		3/4	19.1	3/4-14	47	16	31	250
A4TG1612		1	25.4	3/4-14	47	13	37	1020
A4TG1616		1	25.4	1-11	52	13	39	1020
A4TG1620		1	25.4	1 1/4-11	57	17	41	1020
A4TG2016		1 1/4	31.8	1-11	53	14	45	1020
A4TG2020		1 1/4	31.8	1 1/4-11	54	14	47	1020
A4TG2024		1 1/4	31.8	1 1/2-11	57	17	46	1020
A4TG2416		1 1/2	38.1	1-11	53	14	51	1020
A4TG2420		1 1/2	38.1	1 1/4-11	54	14	51	1020
A4TG2424		1 1/2	38.1	1 1/2-11	54	14	53	1020
A4TG2432		1 1/2	38.1	2-11	61	19	57	1020
A4TG3224		2	50.8	1 1/2-11	56	16	64	1020
A4TG3232		2	50.8	2-11	58	16	65	1020

- Stainless (316L) Change 1st Letter from A to S

Tube Specifications: [Reference Tables, page 203](#)

Thread Specifications: [Reference Tables, page 197](#)



Order Code Example:

Metric Tube Example:

A4TMG2516-3

M25-3 = Metric Tube OD
x Wall Thickness

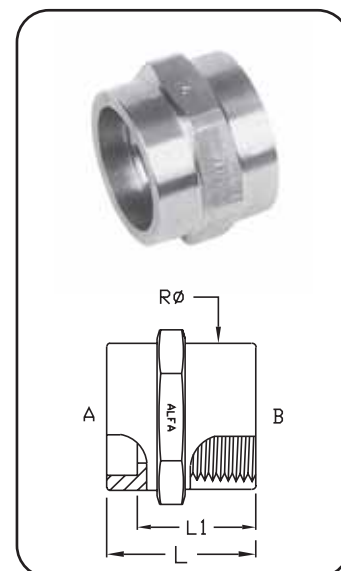
SOCKET WELD TUBE X BSPTF

Part Number	R.R. Price	Tube A	Tube - Ø A	BSPTF B	L	L1	Boss R - Ø	Hex A/F	Mat Grade or Equiv.
A4TGF0604		3/8	9.5	1/4-19	45	35	20	18	250
A4TGF0806		1/2	12.7	3/8-19	45	35	25	23	250
A4TGF0808		1/2	12.7	1/2-14	50	40	29	26	250
A4TGF1008		5/8	15.9	1/2-14	50	40	29	26	250
A4TGF1208		3/4	19.1	1/2-14	44	34	29	31	250
A4TGF1212		3/4	19.1	3/4-14	52	42	35	32	250
A4TGF1612		1	25.4	3/4-14	44	31	35	37	1020
A4TGF1616		1	25.4	1-11	58	45	42	38	1020
A4TGF2016		1 1/4	31.8	1-11	51	38	42	45	1020
A4TGF2020		1 1/4	31.8	1 1/4-11	59	46	53	48	1020
A4TGF2420		1 1/2	38.1	1 1/4-11	59	46	53	55	1020
A4TGF2424		1 1/2	38.1	1 1/2-11	61	48	61	56	1020
A4TGF3224		2	50.8	1 1/2-11	52	39	61	64	1020
A4TGF3232		2	50.8	2-11	63	50	74	67	1020

- Stainless (316L) Change 1st Letter from A to S

Tube Specifications: [Reference Tables, page 203](#)

Thread Specifications: [Reference Tables, page 197](#)



Order Code Example:

Metric Tube Example:

A4TMGF2516-3

M25-3 = Metric Tube OD
x Wall Thickness

SOCKET-WELD ADAPTORS



SOCKET WELD TUBE X JIC

Part Number	R.R. Price	Tube A	Tube - Ø A	JIC B	L	L1	Hex A/F	Mat Grade or Equiv.
A4TJ0809		1/2	12.7	9/16-18	37.1	13	21	250
A4TJ0812		1/2	12.7	3/4-16	39.7	13	23	250
A4TJ0814		1/2	12.7	7/8-14	46.3	17	23	250
A4TJ1012		5/8	15.9	3/4-16	39.7	13	26	250
A4TJ1014		5/8	15.9	7/8-14	42.3	13	27	250
A4TJ1212		3/4	19.1	3/4-16	42.7	16	31	250
A4TJ1214		3/4	19.1	7/8-14	45.3	16	31	250
A4TJ1217		3/4	19.1	1 1/16-12	47.9	16	31	250
A4TJ1617		1	25.4	1 1/16-12	47.9	13	37	1020
A4TJ1621		1	25.4	1 5/16-12	49.1	13	38	1020
A4TJ1626		1	25.4	1 5/8-12	53.3	16	40	1020
A4TJ2017		1 1/4	31.8	1 1/16-12	48.9	14	45	1020
A4TJ2021		1 1/4	31.8	1 5/16-12	50.1	14	45	1020
A4TJ2026		1 1/4	31.8	1 5/8-12	51.3	14	46	1020
A4TJ2030		1 1/4	31.8	1 7/8-12	57.5	17	46	1020
A4TJ2421		1 1/2	38.1	1 5/16-12	50.1	14	51	1020
A4TJ2426		1 1/2	38.1	1 5/8-12	51.3	14	51	1020
A4TJ2430		1 1/2	38.1	1 7/8-12	54.5	14	52	1020
A4TJ3226		2	50.8	1 5/8-12	53.3	16	64	1020
A4TJ3230		2	50.8	1 7/8-12	56.5	16	64	1020
A4TJ3240		2	50.8	2 1/2-12	62.9	16	68	1020

- **Stainless (316L)** Change 1st Letter from A to S

Tube Specifications: [Reference Tables, page 203](#)

Thread Specifications: [Reference Tables, page 198](#)

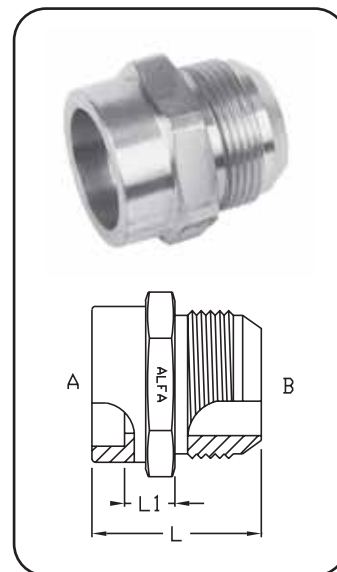
SOCKET WELD TUBE X JICF SWIVEL

Part Number	R.R. Price	Tube A	Tube - Ø A	Swivel JICF	L	L1	Hex A/F	Swivel Hex A/F	Mat Grade or Equiv.
A4TJS0609		3/8	9.5	9/16-18	40	30	17	19	250
A4TJS0809		1/2	12.7	9/16-18	40	30	21	19	250
A4TJS0812		1/2	12.7	3/4-16	40	30	21	25	250
A4TJS1012		5/8	15.9	3/4-16	40	30	26	25	250
A4TJS1212		3/4	19.1	3/4-16	43	33	31	25	250
A4TJS1214		3/4	19.1	7/8-14	46	36	31	30	250
A4TJS1217		3/4	19.1	1 1/16-12	48	38	31	33	250
A4TJS1617		1	25.4	1 1/16-12	48	35	37	33	1020
A4TJS1621		1	25.4	1 5/16-12	51	38	37	41	1020
A4TJS1626		1	25.4	1 5/8-12	56	43	37	51	1020
A4TJS2021		1 1/4	31.8	1 5/16-12	52	39	45	41	1020
A4TJS2026		1 1/4	31.8	1 5/8-12	56	43	45	51	1020
A4TJS2030		1 1/4	31.8	1 7/8-12	59	46	45	57	1020
A4TJS2426		1 1/2	38.1	1 5/8-12	56	43	51	51	1020
A4TJS2430		1 1/2	38.1	1 7/8-12	59	46	51	57	1020
A4TJS3226		2	50.8	1 5/8-12	59	46	64	51	1020

- **Stainless (316L)** Change 1st Letter from A to S

Tube Specifications: [Reference Tables, page 203](#)

Thread Specifications: [Reference Tables, page 199](#)

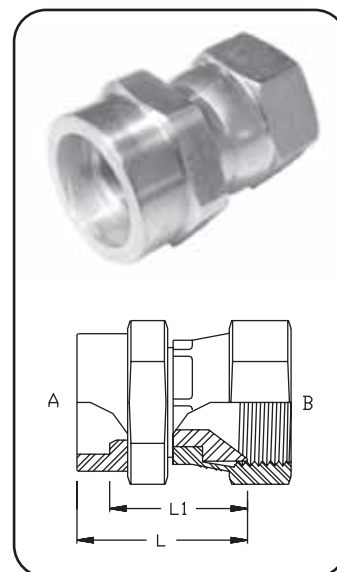


Order Code Example:

Metric Tube Example:

A4TMJ2521-3

M25-3 = Metric Tube OD
x Wall Thickness



Order Code Example:

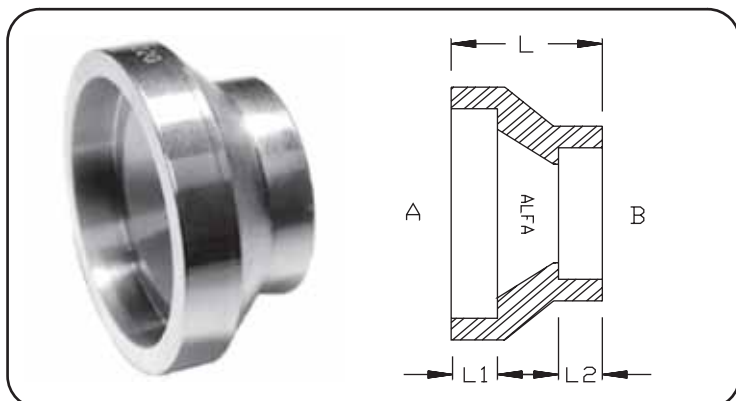
Metric Tube Example:

A4TMJS2521-3

M25-3 = Metric Tube OD
x Wall Thickness

SOCKET-WELD ADAPTORS

CONNECTOR SOCKET WELD TUBE X SOCKET WELD TUBE



Order Code Example:

Metric Tube Example:

A4CTM2525-3

M25-3 = Metric Tube OD x Wall Thickness

Part Number	R.R. Price	Tube A	Tube - Ø A	Tube B	Tube - Ø B	L	L1	L2	Mat Grade or Equiv.
A4CT0606		3/8	9.5	3/8	9.5	30	10	10	250
A4CT0808		1/2	12.7	1/2	12.7	30	10	10	250
A4CT1006		5/8	15.9	3/8	9.5	33	10	10	250
A4CT1008		5/8	15.9	1/2	12.7	31	10	10	250
A4CT1010		5/8	15.9	5/8	15.9	30	10	10	250
A4CT1210		3/4	19.1	5/8	15.9	31	10	10	250
A4CT1212		3/4	19.1	3/4	19.1	30	10	10	250
A4CT1608		1	25.4	1/2	12.7	41	13	10	250
A4CT1612		1	25.4	3/4	19.1	39	13	10	250
A4CT1616		1	25.4	1	25.4	39	13	13	250
A4CT2012		1 1/4	31.8	3/4	19.1	41	13	10	1020
A4CT2016		1 1/4	31.8	1	25.4	42	13	13	1020
A4CT2020		1 1/4	31.8	1 1/4	31.8	39	13	13	1020
A4CT2416		1 1/2	38.1	1	25.4	45	13	13	1020
A4CT2420		1 1/2	38.1	1 1/4	31.8	43	13	13	1020
A4CT2424		1 1/2	38.1	1 1/2	38.1	39	13	13	1020
A4CT3220		2	50.8	1 1/4	31.8	49	13	13	1020
A4CT3224		2	50.8	1 1/2	38.1	45	13	13	1020
A4CT3232		2	50.8	2	50.8	39	13	13	1020

- **Stainless (316L)** Change 1st Letter from A to S

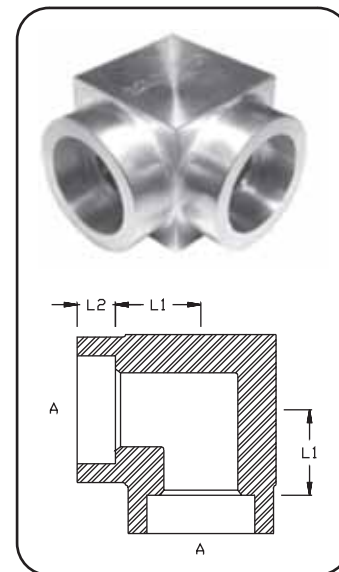
Tube Specifications: [Reference Tables, page 203](#)

SOCKET-WELD ADAPTORS



ELBOW - SOCKET WELD TUBE

Part Number	R.R. Price	Tube A	Tube - Ø A	L1 nom	L2	Mat Grade or Equiv.
A4ET04		1/4	6.4	11.5	10	250
A4ET06		3/8	9.5	12.5	10	1020
A4ET08		1/2	12.7	14.5	10	1020
A4ET12		3/4	19.1	20.5	10	1020
A4ET16		1	25.4	23.5	13	1020
A4ET20		1 1/4	31.8	28.5	13	1020
A4ET24		1 1/2	38.1	30.5	13	1020
A4ET32		2	50.8	37.0	13	1020



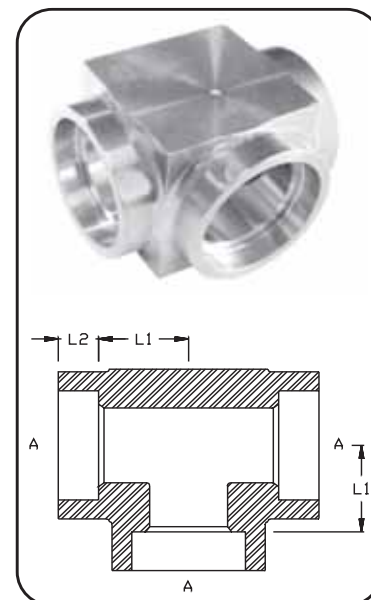
Order Code Example:
Metric Tube Example:
A4ETM25-3
M25-3 = Metric Tube OD
x Wall Thickness

- **Stainless** (316L) Change 1st Letter from A to S

Tube Specifications: [Reference Tables, page 203](#)

TEE - SOCKET WELD TUBE

Part Number	R.R. Price	Tube A	Tube - Ø A	L1 nom	L2	Mat Grade or Equiv.
A4TT04		1/4	6.4	11.5	10	1020
A4TT06		3/8	9.5	12.5	10	1020
A4TT08		1/2	12.7	14.5	10	1020
A4TT12		3/4	19.1	20.5	10	1020
A4TT16		1	25.4	23.5	13	1020
A4TT20		1 1/4	31.8	28.5	13	1020
A4TT24		1 1/2	38.1	30.5	13	1020
A4TT32		2	50.8	37.0	13	1020



Order Code Example:
Metric Tube Example:
A4TTM25-3
M25-3 = Metric Tube OD
x Wall Thickness

- **Stainless** (316L) Change 1st Letter from A to S

Tube Specifications: [Reference Tables, page 203](#)



SOCKET-WELD ADAPTORS

4

THREADED ADAPTORS



Description	Part Number	Page No.
BSPP X BSPP	A5BB	82
BSPP X BSPP SWIVEL	A5BBS	82
BSPP ENC O-RING X BSPP ENC O-RING	A5BEBE	83
BSPP ENC O-RING X BSPP SWIVEL	A5BEBS	83
BSPP X BSPT	A5BG	84
BSPP ENC O-RING X BSPT	A5BEG	84
BSPP X JIC	A5BJ	85
BSPP ENC O-RING X JIC	A5BEJ	86
BSPP X JICF SWIVEL	A5BJS	87
BSPP ENC O-RING X JICF SWIVEL	A5BEJS	87
BSPP X NPT	A5BN	88
BSPT X BSPT	A5GG	88
BSPT X JIC	A5GJ	89
BSPT X NPT	A5GN	89
JIC X JIC	A5JJ	90
JIS METRIC 60° (KOMATSU FORM) X JIC 37°	A5KJ	90
JIS METRIC 60° X JIS METRIC 60° (KOMATSU FORM)	A5KK	91
METRIC X BSPP	A5MB	91
METRIC COMPRESSION 24° X BSPP	A5MCB	92
METRIC ENC O-RING X BSPP	A5MEB	92
METRIC X BSPP SWIVEL	A5MBS	93
METRIC COMPRESSION 24° X BSPP SWIVEL	A5MCBS	93
METRIC ENC O-RING X BSPP SWIVEL	A5MEBS	94
METRIC COMPRESSION 24° X BSPPF	A5MCBF	94
METRIC SWIVEL 24° X BSPPF	A5MSBF	95
METRIC UN-O X JIC	A5MUJ	95
METRIC X JIC	A5MJ	96
METRIC COMPRESSION 24° X JIC	A5MCJ	97
METRIC ENC O-RING X JIC	A5MEJ	98
METRIC X JICF SWIVEL	A5MJS	98
METRIC COMPRESSION 24° X JICF SWIVEL	A5MCJS	99
METRIC ENC O-RING X JICF SWIVEL	A5MEJS	99
METRIC SWIVEL 24° X JIC	A5MSJ	100
NPT X JIC	A5NJ	100
NPT X NPT	A5NN	101
UN-O X BSPP	A5UB	101
UN-O X BSPT	A5UG	102
UN-O X JIC	A5UJ	102
UN-O X NPT	A5UN	103
UN-O X JICF SWIVEL	A5UJS	103
BSPP X BSPPF	A5HBB	104
BSPP ENC O-RING X BSPPF	A5HBEB	105

THREADED ADAPTORS

Description	Part Number	Page No.
BSPP X BSPTF	A5HBG	105
BSPP X NPTF	A5HBN	106
BSPP X UNF-O	A5HBU	106
BSPT X BSPPF	A5HGB	107
BSPT X BSPTF	A5HGG	107
BSPT X UNF-O	A5HGU	108
JIC X BSPPF	A5HJB	108
JIC X JICF	A5HJJ	109
NPT X BSPTF	A5HNG	109
NPT X NPTF	A5HNN	110
UN-O X UNF-O	A5HUU	110
SOCKET - BSPPF X BSPPF	A5FBB	111
SOCKET - BSPTF X BSPTF	A5FGG	111
SOCKET - NPTF X NPTF	A5FNN	111
NUT - CAP - BSPPF	A5NCB	112
NUT - CAP - JICF	A5NCJ	112
NUT - CAP JIS METRIC 60° (KOMATSU FORM)	A5NCK	112
NUT - CAP JIS BSPP 60°	A5NCL	113
NUT - CAP - METRIC COMPRESSION 24°	A5NCMC	113
PLUG BSPP	A5PB	113
PLUG BSPP - ENC O-RING - HEX HEAD	A5PBE	114
PLUG BSPP - ENC O-RING - ALLEN KEY DRIVE	A5PBR	114
PLUG JIC	A5PJ	114
PLUG JIS METRIC 60° (KOMATSU FORM)	A5PK	115
PLUG JIS BSPP 60°	A5PL	115
PLUG METRIC	A5PM	115
PLUG METRIC COMPRESSION 24°	A5PMC	116
PLUG METRIC - ENC O-RING - ALLEN KEY DRIVE	A5PMR	116
PLUG NPT	A5PN	116
PLUG UN-O	A5PU	117
PLUG UN-O ALLEN KEY DRIVE	A5PUR	117
PLUG BSPT ALLEN KEY DRIVE	A5PGR	117
TEE - BSPP MALE X BSPPF SWIVEL X BSPTF	A5TBG	118
TEE - JIC X JICF SWIVEL X BSPTF	A5TJG	118
TEE - JIS METRIC 60° X JIS SWIVEL X BSPTF (KOMATSU FORM)	A5TKG	118
TEE - JIS BSPP 60° X JIS SWIVEL X BSPTF	A5TLG	119
TEE - METRIC COMPRESSION 24° X METRIC SWIVEL X BSPTF	A5TMCG	119
ELBOW 45° NPTF - SERIES 3000 LBS	A5EC45NF	119
ELBOW 90° NPTF - SERIES 3000 LBS	A5EC90NF	120
TEE NPTF - SERIES 3000 LBS	A5TCNF	120
TEE BSPPF	A5TBF	120
TEE - JIC X JIC X BSPPF	A5TJJB	121
PLUG X BSPT	A5PG	121

THREADED ADAPTORS

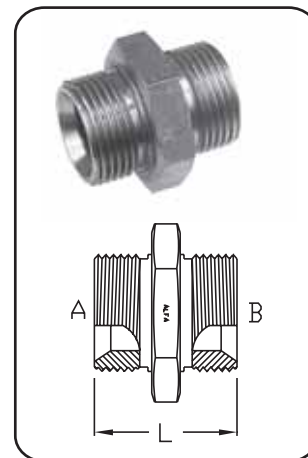


Description	Part Number	Page No.
NPT X JIC SWIVEL	A5NJS	121
NUT - CAP - NPT	A5NCN	122
METRIC X BSPT	A5MG	122
SOCKET - METRIC FEMALE X METRIC FEMALE	A5FMM	123
METRIC X BSPTF	A5HMG	123
METRIC ENC O-RING X BSPPF	A5HMEB	124
METRIC ENC O-RING X BSPTF	A5HMEG	124
METRIC X NPTF	A5HMN	124
METRIC X NPT	A5MN	125
NPT X BSPPF	A5HNB	125
UN-O X BSPPF	A5HUB	126
UN-O X BSPTF	A5HUG	126
JIS METRIC 60° (KOMATSU FORM) X BSPP	A5KB	127
JIS METRIC 60° (KOMATSU FORM) X BSPT	A5KG	127
BSPT X NPTF	A5HGN	128
METRIC X METRIC FEMALE	A5HMM	129
METRIC COMPRESSION 24° X METRIC COMPRESSION 24°	A5MCMC	129
BSPP ENC O-RING X NPT	A5BEN	130
JIC X BSPTF	A5HJG	130
BSPPF X JICF SWIVEL	A5BFJS	130
BSPP X JIS BSPP 60°	A5BL	131
BSPTF X NPTF	A5FGN	131
METRIC COMPRESSION 24° X UN-O	A5MCU	131
JIS BSPP 60° X JIS BSPP 60°	A5LL	132
JIS BSPP 60° X JIC	A5LJ	132
JIC X NPTF	A5HJN	132
BSPT X BSPPF SWIVEL	A5GBS	133
BSPT X JIC SWIVEL	A5GJS	133
JIS BSPP 60° X BSPT	A5LG	133
METRIC X BSPPF	A5HMB	134
BSPP ENC O-RING X NPTF	A5HBEN	134
BSPP ENC O-RING X UNF-O	A5HBEU	135
BSPP X METRIC FEMALE	A5HBM	135

THREADED ADAPTORS

BSPP X BSPP

Part Number	R.R. Price	BSPP A	BSPP B	L	Hex A/F
A5BB0402		1/4-19	1/8-28	32	19
A5BB0404		1/4-19	1/4-19	32	19
A5BB0604		3/8-19	1/4-19	34	22
A5BB0606		3/8-19	3/8-19	32	22
A5BB0804		1/2-14	1/4-19	36	27
A5BB0806		1/2-14	3/8-19	37	27
A5BB0808		1/2-14	1/2-14	36	27
A5BB1208		3/4-14	1/2-14	44	33
A5BB1212		3/4-14	3/4-14	43	33
A5BB1608		1-11	1/2-14	47	41
A5BB1612		1-11	3/4-14	49	41
A5BB1616		1-11	1-11	48	41
A5BB2012		1 1/4-11	3/4-14	51	51
A5BB2016		1 1/4-11	1-11	53	51
A5BB2020		1 1/4-11	1 1/4-11	52	51
A5BB2416		1 1/2-11	1-11	57	57
A5BB2420		1 1/2-11	1 1/4-11	59	57
A5BB2424		1 1/2-11	1 1/2-11	58	57
A5BB3208		2-11	1/2-14	55	70
A5BB3216		2-11	1-11	59	70
A5BB3220		2-11	1 1/4-11	61	70
A5BB3224		2-11	1 1/2-11	63	70
A5BB3232		2-11	2-11	62	70



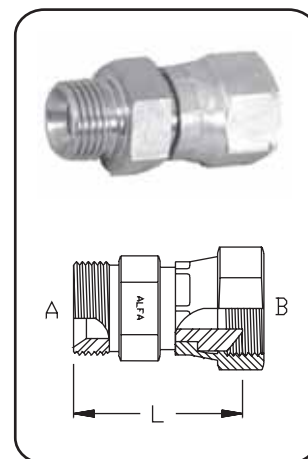
Thread Specs: [Reference Tables, page 194](#)

Bonded Seal (BSPP): [Reference Tables, page 188](#)

- **Stainless** (316) Change 1st Letter from A to S

BSPP X BSPP SWIVEL

Part Number	R.R. Price	BSPP A	Swivel B - BSPPF	L	Hex A/F	Swivel Nut Hex A/F
A5BBS0404		1/4-19	1/4-19	40.5	19	16
A5BBS0606		3/8-19	3/8-19	41.5	22	19
A5BBS0808		1/2-14	1/2-14	45.5	27	22
A5BBS0812		1/2-14	3/4-14	50.5	27	27
A5BBS1212		3/4-14	3/4-14	55.5	33	27
A5BBS1216		3/4-14	1-11	59.5	34	33
A5BBS1616		1-11	1-11	62.5	41	33
A5BBS2020		1 1/4-11	1 1/4-11	71.5	51	47
A5BBS2024		1 1/4-11	1 1/2-11	72.5	51	47
A5BBS2424		1 1/2-11	1 1/2-11	76.5	57	47
A5BBS2432		1 1/2-11	2-11	83.5	60	63
A5BBS3232		2-11	2-11	85.5	70	63



(A) Thread Specs: [Reference Tables, page 194](#)

(B) Thread Specs: [Reference Tables, page 194](#)

Bonded Seal (BSPP): [Reference Tables, page 188](#)

- **Stainless** (316) Change 1st Letter from A to S

THREADED ADAPTORS



BSPP ENC O-RING X BSPP ENC O-RING

Part Number	R.R. Price	BSPP A	BSPP B	L	Hex A/F	Boss-Ø R - A	O-Ring A	Boss-Ø R - B	O-Ring B
A5BEBE0404		1/4-19	1/4-19	36	22	22	A9SRB04	22	A9SRB04
A5BEBE0604		3/8-19	1/4-19	36	27	27	A9SRB06	22	A9SRB04
A5BEBE0606		3/8-19	3/8-19	36	27	27	A9SRB06	27	A9SRB06
A5BEBE0804		1/2-14	1/4-19	42	33	33	A9SRB08	22	A9SRB04
A5BEBE0806		1/2-14	3/8-19	42	33	33	A9SRB08	27	A9SRB06
A5BEBE0808		1/2-14	1/2-14	45	33	33	A9SRB08	33	A9SRB08
A5BEBE1208		3/4-14	1/2-14	47	38	38	A9SRB12	33	A9SRB08
A5BEBE1212		3/4-14	3/4-14	49	38	38	A9SRB12	38	A9SRB12
A5BEBE1608		1-11	1/2-14	50	47	46	A9SRB16	33	A9SRB08
A5BEBE1612		1-11	3/4-14	52	47	46	A9SRB16	38	A9SRB12
A5BEBE1616		1-11	1-11	54	47	46	A9SRB16	46	A9SRB16
A5BEBE2012		1 1/4-11	3/4-14	56	57	55	A9SRB20	38	A9SRB12
A5BEBE2016		1 1/4-11	1-11	58	57	55	A9SRB20	46	A9SRB16
A5BEBE2020		1 1/4-11	1 1/4-11	60	57	55	A9SRB20	55	A9SRB20
A5BEBE2416		1 1/2-11	1-11	60	63	61	A9SRB24	46	A9SRB16
A5BEBE2420		1 1/2-11	1 1/4-11	62	63	61	A9SRB24	55	A9SRB20
A5BEBE2424		1 1/2-11	1 1/2-11	64	63	61	A9SRB24	61	A9SRB24
A5BEBE3208		2-11	1/2-14	58	77	75	A9SRB32	33	A9SRB08
A5BEBE3220		2-11	1 1/4-11	64	77	75	A9SRB32	55	A9SRB20
A5BEBE3224		2-11	1 1/2-11	66	77	75	A9SRB32	61	A9SRB24
A5BEBE3232		2-11	2-11	68	77	75	A9SRB32	75	A9SRB32
A5BEBE4032		2 1/2-11	2-11	70	93	91	A9SRB40	75	A9SRB32
A5BEBE4040		2 1/2-11	2 1/2-11	72	93	91	A9SRB40	91	A9SRB40
A5BEBE4832		3-11	2-11	72	106	104	A9SRB48	75	A9SRB32
A5BEBE4840		3-11	2 1/2-11	74	106	104	A9SRB48	91	A9SRB40
A5BEBE4848		3-11	3-11	76	106	104	A9SRB48	104	A9SRB48

Note:

Thread Specification: [Reference Tables, page 194](#)

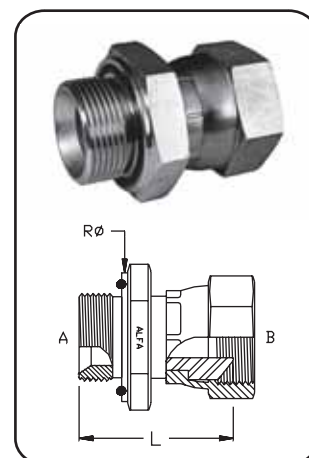
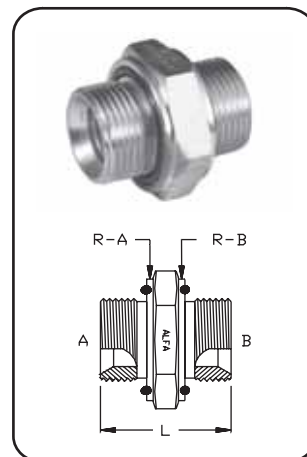
- **Stainless (316)** Change 1st Letter from A to S

BSPP ENC O-RING X BSPP SWIVEL

Part Number	R.R. Price	BSPP A	Swivel B - BSPPF	L	Boss R - Ø	Hex A/F	Swivel Nut Hex A/F	BSP O-Ring
A5BEBS0404		1/4-19	1/4-19	42.5	22	22	16	A9SRB04
A5BEBS0606		3/8-19	3/8-19	43.5	27	27	19	A9SRB06
A5BEBS0808		1/2-14	1/2-14	51.5	33	33	22	A9SRB08
A5BEBS0812		1/2-14	3/4-14	56.5	33	33	27	A9SRB08
A5BEBS1212		3/4-14	3/4-14	58.5	38	38	27	A9SRB12
A5BEBS1216		3/4-14	1-11	62.5	38	38	33	A9SRB12
A5BEBS1616		1-11	1-11	65.5	46	47	33	A9SRB16
A5BEBS2020		1 1/4-11	1 1/4-11	76.5	55	57	47	A9SRB20
A5BEBS2024		1 1/4-11	1 1/2-11	77.5	55	57	47	A9SRB20
A5BEBS2424		1 1/2-11	1 1/2-11	79.5	61	63	47	A9SRB24
A5BEBS2432		1 1/2-11	2-11	86.5	61	63	63	A9SRB24
A5BEBS3232		2-11	2-11	88.5	75	77	63	A9SRB32

- **Stainless (316)** Change 1st Letter from A to S

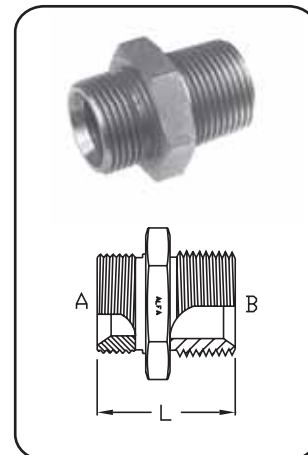
Thread Specs: [Reference Tables, page 194](#)



THREADED ADAPTORS

BSPP X BSPT

Part Number	R.R. Price	BSPP A	BSPT B	L	Hex A/F
A5BG0202		1/8-28	1/8-28	28	16
A5BG0404		1/4-19	1/4-19	36	19
A5BG0604		3/8-19	1/4-19	36	22
A5BG0606		3/8-19	3/8-19	36	22
A5BG0608		3/8-19	1/2-14	44	25
A5BG0806		1/2-14	3/8-19	38	27
A5BG0808		1/2-14	1/2-14	43	27
A5BG0812		1/2-14	3/4-14	49	32
A5BG1208		3/4-14	1/2-14	48	33
A5BG1212		3/4-14	3/4-14	48	33
A5BG1216		3/4-14	1-11	56	38
A5BG1612		1-11	3/4-14	51	41
A5BG1616		1-11	1-11	56	41
A5BG2012		1 1/4-11	3/4-14	53	51
A5BG2016		1 1/4-11	1-11	58	51
A5BG2020		1 1/4-11	1 1/4-11	59	51
A5BG2024		1 1/4-11	1 1/2-11	59	51
A5BG2416		1 1/2-11	1-11	62	57
A5BG2420		1 1/2-11	1 1/4-11	63	57
A5BG2424		1 1/2-11	1 1/2-11	63	57
A5BG2432		1 1/2-11	2-11	68	63
A5BG3224		2-11	1 1/2-11	65	70
A5BG3232		2-11	2-11	67	70

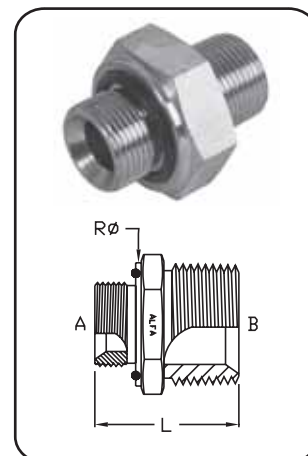


(A) Thread Specs: [Reference Tables, page 194](#)
 (B) Thread Specs: [Reference Tables, page 197](#)
 Bonded Seal (BSPP): [Reference Tables, page 188](#)

- **Stainless (316)** Change 1st Letter from A to S

BSPP ENC O-RING X BSPT

Part Number	R.R. Price	BSPP A	BSPT B	L	Boss R - Ø	Hex A/F	BSPP O-Ring
A5BEG0404		1/4-19	1/4-19	38	22	22	A9SRB04
A5BEG0808		1/2-14	1/2-14	49	33	33	A9SRB08
A5BEG0812		1/2-14	3/4-14	49	33	33	A9SRB08
A5BEG1208		3/4-14	1/2-14	51	38	38	A9SRB12
A5BEG1212		3/4-14	3/4-14	51	38	38	A9SRB12
A5BEG1216		3/4-14	1-11	56	38	38	A9SRB12
A5BEG1608		1-11	1/2-14	54	46	47	A9SRB16
A5BEG1612		1-11	3/4-14	54	46	47	A9SRB16
A5BEG1616		1-11	1-11	59	46	47	A9SRB16
A5BEG1620		1-11	1 1/4-11	60	46	47	A9SRB16
A5BEG2012		1 1/4-11	3/4-14	58	55	57	A9SRB20
A5BEG2016		1 1/4-11	1-11	63	55	57	A9SRB20
A5BEG2020		1 1/4-11	1 1/4-11	64	55	57	A9SRB20
A5BEG2024		1 1/4-11	1 1/2-11	64	55	57	A9SRB20
A5BEG2416		1 1/2-11	1-11	65	61	63	A9SRB24
A5BEG2420		1 1/2-11	1 1/4-11	66	61	63	A9SRB24
A5BEG2424		1 1/2-11	1 1/2-11	66	61	63	A9SRB24
A5BEG2432		1 1/2-11	2-11	68	61	63	A9SRB24
A5BEG3224		2-11	1 1/2-11	68	75	77	A9SRB32
A5BEG3232		2-11	2-11	70	75	77	A9SRB32
A5BEG3240		2-11	2 1/2-11	73	75	80	A9SRB32
A5BEG4024		2 1/2-11	1 1/2-11	70	91	93	A9SRB40
A5BEG4032		2 1/2-11	2-11	72	91	93	A9SRB40
A5BEG4040		2 1/2-11	2 1/2-11	75	91	93	A9SRB40
A5BEG4848		3-11	3-11	79	104	106	A9SRB48



(A) Thread Specs: [Reference Tables, page 194](#)
 (B) Thread Specs: [Reference Tables, page 197](#)

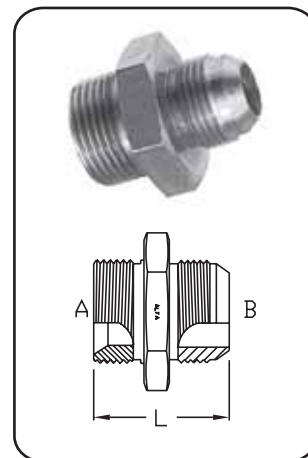
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



BSPP X JIC

Part Number	R.R. Price	BSPP A	JIC B	L	Hex A/F
A5BJ0207		1/8-28	7/16-20	32.0	16
A5BJ0208		1/8-28	1/2-20	32.0	16
A5BJ0407		1/4-19	7/16-20	34.0	19
A5BJ0408		1/4-19	1/2-20	34.0	19
A5BJ0409		1/4-19	9/16-18	34.1	19
A5BJ0409L65		1/4-19	9/16-18	65.0	19
A5BJ0409L90		1/4-19	9/16-18	90.0	19
A5BJ0412		1/4-19	3/4-16	38.7	22
A5BJ0607		3/8-19	7/16-20	34.0	22
A5BJ0609		3/8-19	9/16-18	34.1	22
A5BJ0609L70		3/8-19	9/16-18	70.0	22
A5BJ0609L95		3/8-19	9/16-18	95.0	22
A5BJ0612		3/8-19	3/4-16	36.7	22
A5BJ0612L70		3/8-19	3/4-16	70.0	22
A5BJ0612L95		3/8-19	3/4-16	95.0	22
A5BJ0614		3/8-19	7/8-14	42.3	25
A5BJ0809		1/2-14	9/16-18	36.1	27
A5BJ0812		1/2-14	3/4-16	38.7	27
A5BJ0812L100		1/2-14	3/4-16	100.0	27
A5BJ0812L75		1/2-14	3/4-16	75.0	27
A5BJ0814		1/2-14	7/8-14	41.3	27
A5BJ0814L100		1/2-14	7/8-14	100.0	27
A5BJ0814L75		1/2-14	7/8-14	75.0	27
A5BJ0817		1/2-14	1 1/16-12	49.9	32
A5BJ1209		3/4-14	9/16-18	41.1	33
A5BJ1212		3/4-14	3/4-16	43.7	33
A5BJ1214		3/4-14	7/8-14	46.3	33
A5BJ1217		3/4-14	1 1/16-12	48.9	33
A5BJ1221		3/4-14	1 5/16-12	53.1	38
A5BJ1226		3/4-14	1 5/8-12	55.3	47
A5BJ1614		1-11	7/8-14	49.3	41
A5BJ1617		1-11	1 1/16-12	51.9	41
A5BJ1621		1-11	1 5/16-12	53.1	41
A5BJ1626		1-11	1 5/8-12	57.3	47
A5BJ1630		1-11	1 7/8-12	60.5	51
A5BJ2012		1 1/4-11	3/4-16	48.7	51
A5BJ2017		1 1/4-11	1 1/16-12	53.9	51
A5BJ2021		1 1/4-11	1 5/16-12	55.1	51
A5BJ2026		1 1/4-11	1 5/8-12	56.3	51
A5BJ2030		1 1/4-11	1 7/8-12	59.5	51
A5BJ2417		1 1/2-11	1 1/16-12	57.9	57
A5BJ2421		1 1/2-11	1 5/16-12	59.1	57
A5BJ2426		1 1/2-11	1 5/8-12	60.3	57
A5BJ2430		1 1/2-11	1 7/8-12	63.5	57
A5BJ3221		2-11	1 5/16-12	61.1	70
A5BJ3226		2-11	1 5/8-12	62.3	70
A5BJ3230		2-11	1 7/8-12	65.5	70
A5BJ3240		2-11	2 1/2-12	71.9	70



(A) Thread Specs: [Reference Tables, page 194](#)

(B) Thread Specs: [Reference Tables, page 198](#)

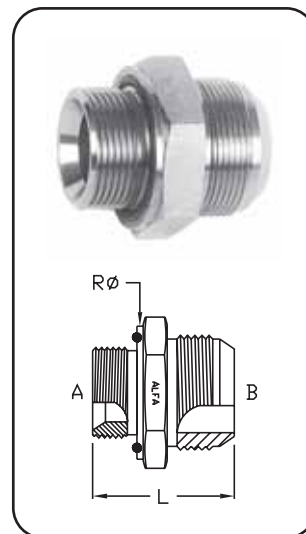
Bonded Seal (BSPP): [Reference Tables, page 188](#)

- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS

BSPP ENC O-RING X JIC

Part Number	R.R. Price	BSPP A	JIC B	L	Boss R - Ø	Hex A/F	BSPP O-Ring
A5BEJ0407		1/4-19	7/16-20	38.0	22	20	A9SRB04
A5BEJ0409		1/4-19	9/16-18	38.1	22	20	A9SRB04
A5BEJ0609		3/8-19	9/16-18	38.1	27	25	A9SRB06
A5BEJ0612		3/8-19	3/4-16	38.7	27	27	A9SRB06
A5BEJ0614		3/8-19	7/8-14	41.3	27	27	A9SRB06
A5BEJ0809		1/2-14	9/16-18	43.1	33	30	A9SRB08
A5BEJ0812		1/2-14	3/4-16	45.7	33	30	A9SRB08
A5BEJ0814		1/2-14	7/8-14	48.3	33	30	A9SRB08
A5BEJ0817		1/2-14	1 1/16-12	49.9	33	33	A9SRB08
A5BEJ1212		3/4-14	3/4-16	47.7	38	35	A9SRB12
A5BEJ1214		3/4-14	7/8-14	50.3	38	35	A9SRB12
A5BEJ1217		3/4-14	1 1/16-12	52.9	38	35	A9SRB12
A5BEJ1221		3/4-14	1 5/16-12	53.1	38	38	A9SRB12
A5BEJ1617		1-11	1 1/16-12	55.9	46	42	A9SRB16
A5BEJ1621		1-11	1 5/16-12	56.1	46	47	A9SRB16
A5BEJ1626		1-11	1 5/8-12	57.3	46	47	A9SRB16
A5BEJ1630		1-11	1 7/8-12	60.5	46	51	A9SRB16
A5BEJ2021		1 1/4-11	1 5/16-12	60.1	55	50	A9SRB20
A5BEJ2026		1 1/4-11	1 5/8-12	61.3	55	57	A9SRB20
A5BEJ2030		1 1/4-11	1 7/8-12	64.5	55	57	A9SRB20
A5BEJ2417		1 1/2-11	1 1/16-12	62.9	61	56	A9SRB24
A5BEJ2421		1 1/2-11	1 5/16-12	64.1	61	56	A9SRB24
A5BEJ2426		1 1/2-11	1 5/8-12	65.3	61	56	A9SRB24
A5BEJ2430		1 1/2-11	1 7/8-12	66.5	61	63	A9SRB24
A5BEJ2440		1 1/2-11	2 1/2-12	72.9	61	70	A9SRB24
A5BEJ3226		2-11	1 5/8-12	67.3	75	68	A9SRB32
A5BEJ3230		2-11	1 7/8-12	70.5	75	68	A9SRB32
A5BEJ3240		2-11	2 1/2-12	74.9	75	77	A9SRB32
A5BEJ3248		2-11	3 IN-12	75.0	75	81	A9SRB32
A5BEJ4040		2 1/2-11	2 1/2-12	78.9	91	83	A9SRB40
A5BEJ4048		2 1/2-11	3 IN-12	77.0	91	93	A9SRB40
A5BEJ4840		3-11	2 1/2-12	80.9	104	95	A9SRB48
A5BEJ4848		3-11	3 IN-12	81.0	104	95	A9SRB48



(A) Thread Specs: [Reference Tables, page 194](#)

(B) Thread Specs: [Reference Tables, page 198](#)

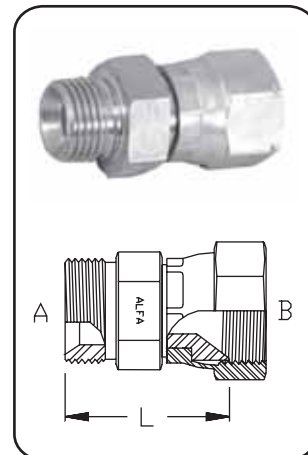
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



BSPP X JICF SWIVEL

Part Number	R.R. Price	BSPP A	Swivel B - JICF	L	Hex A/F	Swivel Nut Hex A/F
A5BJS0207		1/8-28	7/16-20	32.5	16	13
A5BJS0209		1/8-28	9/16-18	33.5	16	13
A5BJS0409		1/4-19	9/16-18	35.5	19	13
A5BJS0412		1/4-19	3/4-16	36.5	19	19
A5BJS0609		3/8-19	9/16-18	35.5	22	13
A5BJS0612		3/8-19	3/4-16	36.5	22	19
A5BJS0812		1/2-14	3/4-16	38.5	27	19
A5BJS0814		1/2-14	7/8-14	40.5	27	22
A5BJS0817		1/2-14	1 1/16-12	42.5	27	25
A5BJS1212		3/4-14	3/4-16	43.5	33	19
A5BJS1214		3/4-14	7/8-14	45.5	33	22
A5BJS1217		3/4-14	1 1/16-12	47.5	33	25
A5BJS1617		1-11	1 1/16-12	50.5	41	25
A5BJS1621		1-11	1 5/16-12	53.5	41	32
A5BJS1626		1-11	1 5/8-12	57.5	41	41
A5BJS2021		1 1/4-11	1 5/16-12	55.5	51	32
A5BJS2026		1 1/4-11	1 5/8-12	59.5	51	41
A5BJS2030		1 1/4-11	1 7/8-12	62.5	51	47
A5BJS2426		1 1/2-11	1 5/8-12	63.5	57	41
A5BJS2430		1 1/2-11	1 7/8-12	66.5	57	47
A5BJS2440		1 1/2-11	2 1/2-12	76.5	63	63
A5BJS3230		2-11	1 7/8-12	68.5	70	47
A5BJS3240		2-11	2 1/2-12	75.5	70	63



(A) Thread Specs: [Reference Tables, page 194](#)

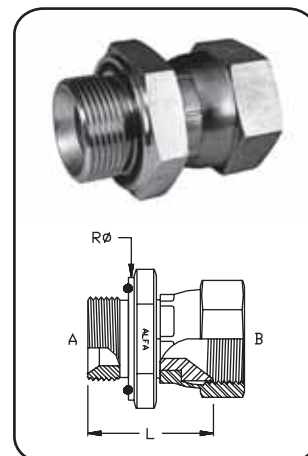
(B) Thread Specs: [Reference Tables, page 199](#)

Bonded Seal (BSPP): [Reference Tables, page 188](#)

- **Stainless (316)** Change 1st Letter from A to S

BSPP ENC O-RING X JICF SWIVEL

Part Number	R.R. Price	BSPP A	Swivel B - JICF	L	Boss R - Ø	Hex A/F	Swivel Nut Hex A/F	BSPP O-Ring
A5BEJS0409		1/4-19	9/16-18	37.5	22	22	13	A9SRB04
A5BEJS0412		1/4-19	3/4-16	38.5	22	22	19	A9SRB04
A5BEJS0609		3/8-19	9/16-18	37.5	27	27	13	A9SRB06
A5BEJS0612		3/8-19	3/4-16	38.5	27	27	19	A9SRB06
A5BEJS0812		1/2-14	3/4-16	44.5	33	33	19	A9SRB08
A5BEJS0814		1/2-14	7/8-14	46.5	33	33	22	A9SRB08
A5BEJS0817		1/2-14	1 1/16-12	48.5	33	33	25	A9SRB08
A5BEJS1212		3/4-14	3/4-16	46.5	38	38	19	A9SRB12
A5BEJS1214		3/4-14	7/8-14	48.5	38	38	22	A9SRB12
A5BEJS1217		3/4-14	1 1/16-12	50.5	38	38	25	A9SRB12
A5BEJS1617		1-11	1 1/16-12	53.5	46	47	25	A9SRB16
A5BEJS1621		1-11	1 5/16-12	56.5	46	47	32	A9SRB16
A5BEJS1626		1-11	1 5/8-12	60.5	46	47	41	A9SRB16
A5BEJS2021		1 1/4-11	1 5/16-12	60.5	55	57	32	A9SRB20
A5BEJS2026		1 1/4-11	1 5/8-12	64.5	55	57	41	A9SRB20
A5BEJS2030		1 1/4-11	1 7/8-12	67.5	55	57	47	A9SRB20
A5BEJS2426		1 1/2-11	1 5/8-12	66.5	61	63	41	A9SRB24
A5BEJS2430		1 1/2-11	1 7/8-12	69.5	61	63	47	A9SRB24
A5BEJS2440		1 1/2-11	2 1/2-12	76.5	61	64	63	A9SRB24
A5BEJS3230		2-11	1 7/8-12	71.5	75	77	47	A9SRB32
A5BEJS3240		2-11	2 1/2-12	78.5	75	77	63	A9SRB32



(A) Thread Specs: [Reference Tables, page 194](#)

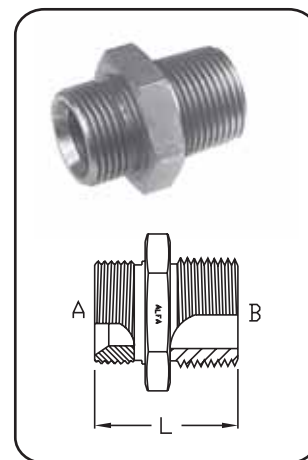
(B) Thread Specs: [Reference Tables, page 199](#)

- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS

BSPP X NPT

Part Number	R.R. Price	BSPP A	NPT B	L	Hex A/F
A5BN0404		1/4-19	1/4-18	36	19
A5BN0406		1/4-19	3/8-18	38	22
A5BN0604		3/8-19	1/4-18	36	22
A5BN0606		3/8-19	3/8-18	36	22
A5BN0608		3/8-19	1/2-14	44	25
A5BN0804		1/2-14	1/4-18	38	27
A5BN0806		1/2-14	3/8-18	38	27
A5BN0808		1/2-14	1/2-14	43	27
A5BN0812		1/2-14	3/4-14	49	32
A5BN1208		3/4-14	1/2-14	48	33
A5BN1212		3/4-14	3/4-14	48	33
A5BN1216		3/4-14	1-11.5	56	38
A5BN1608		1-11	1/2-14	51	41
A5BN1612		1-11	3/4-14	51	41
A5BN1616		1-11	1-11.5	56	41
A5BN1620		1-11	1 1/4-11.5	60	47
A5BN2016		1 1/4-11	1-11.5	58	51
A5BN2020		1 1/4-11	1 1/4-11.5	59	51
A5BN2024		1 1/4-11	1 1/2-11.5	59	51
A5BN2420		1 1/2-11	1 1/4-11.5	63	57
A5BN2424		1 1/2-11	1 1/2-11.5	63	57
A5BN2432		1 1/2-11	2-11.5	68	63
A5BN3224		2-11	1 1/2-11.5	65	70
A5BN3232		2-11	2-11.5	67	70
A5BN3240		2-11	2 1/2-8	73	78



(A) Thread Specs: [Reference Tables, page 194](#)

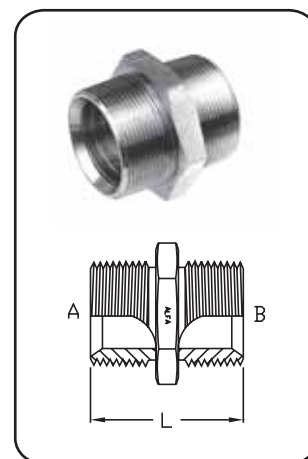
(B) Thread Specs: [Reference Tables, page 198](#)

Bonded Seal (BSPP): [Reference Tables, page 188](#)

- **Stainless (316)** Change 1st Letter from A to S

BSPT X BSPT

Part Number	R.R. Price	BSPT A	BSPT B	L	Hex A/F
A5GG0202		1/8-28	1/8-28	28	13
A5GG0402		1/4-19	1/8-28	34	16
A5GG0404		1/4-19	1/4-19	40	16
A5GG0604		3/8-19	1/4-19	40	22
A5GG0606		3/8-19	3/8-19	40	22
A5GG0804		1/2-14	1/4-19	45	25
A5GG0806		1/2-14	3/8-19	45	25
A5GG0808		1/2-14	1/2-14	50	25
A5GG1204		3/4-14	1/4-19	48	32
A5GG1208		3/4-14	1/2-14	53	32
A5GG1212		3/4-14	3/4-14	53	32
A5GG1608		1-11	1/2-14	58	38
A5GG1612		1-11	3/4-14	58	38
A5GG1616		1-11	1-11	63	38
A5GG2016		1 1/4-11	1-11	65	47
A5GG2020		1 1/4-11	1 1/4-11	66	47
A5GG2416		1 1/2-11	1-11	65	51
A5GG2420		1 1/2-11	1 1/4-11	66	51
A5GG2424		1 1/2-11	1 1/2-11	66	51
A5GG3216		2-11	1-11	69	63
A5GG3224		2-11	1 1/2-11	70	63
A5GG3232		2-11	2-11	72	63
A5GG4024		2 1/2-11	1 1/2-11	73	80
A5GG4032		2 1/2-11	2-11	75	80
A5GG4040		2 1/2-11	2 1/2-11	78	80
A5GG4832		3-11	2-11	77	93
A5GG4840		3-11	2 1/2-11	80	93
A5GG4848		3-11	3-11	82	93
A5GG6432		4-11	2-11	81	118
A5GG6440		4-11	2 1/2-11	84	118
A5GG6448		4-11	3-11	86	118
A5GG6464		4-11	4-11	90	118



(A) Thread Specs: [Reference Tables, page 197](#)

(B) Thread Specs: [Reference Tables, page 197](#)

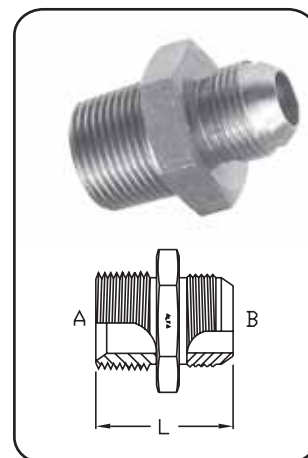
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



BSPT X JIC

Part Number	R.R. Price	BSPT A	JIC B	L	Hex A/F
A5GJ0207		1/8-28	7/16-20	32	16
A5GJ0407		1/4-19	7/16-20	38	16
A5GJ0409		1/4-19	9/16-18	38.1	16
A5GJ0609		3/8-19	9/16-18	38.1	22
A5GJ0809		1/2-14	9/16-18	43.1	25
A5GJ0812		1/2-14	3/4-16	45.7	25
A5GJ1212		3/4-14	3/4-16	48.7	32
A5GJ1214		3/4-14	7/8-14	51.3	32
A5GJ1217		3/4-14	1 1/16-12	53.9	32
A5GJ1617		1-11	1 1/16-12	58.9	38
A5GJ1621		1-11	1 5/16-12	60.1	38
A5GJ2017		1 1/4-11	1 1/16-12	60.9	47
A5GJ2021		1 1/4-11	1 5/16-12	62.1	47
A5GJ2026		1 1/4-11	1 5/8-12	63.3	47
A5GJ2030		1 1/4-11	1 7/8-12	66.5	51
A5GJ2040		1 1/4-11	2 1/2-12	74.9	70
A5GJ2421		1 1/2-11	1 5/16-12	62.1	51
A5GJ2426		1 1/2-11	1 5/8-12	63.3	51
A5GJ2430		1 1/2-11	1 7/8-12	66.5	51
A5GJ2440		1 1/2-11	2 1/2-12	74.9	70
A5GJ3226		2-11	1 5/8-12	67.3	63
A5GJ3230		2-11	1 7/8-12	70.5	63
A5GJ3240		2-11	2 1/2-12	76.9	70
A5GJ4040		2 1/2-11	2 1/2-12	79.9	80
A5GJ4048		2 1/2-11	3 IN-12	80	81
A5GJ4056		2 1/2-11	3 1/2-12	80	93
A5GJ4848		3-11	3 IN-12	82	93
A5GJ4856		3-11	3 1/2-12	82	93



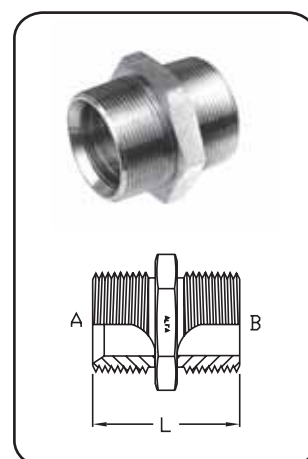
(A) Thread Specs: [Reference Tables, page 197](#)

(B) Thread Specs: [Reference Tables, page 198](#)

- **Stainless (316)** Change 1st Letter from A to S

BSPT X NPT

Part Number	R.R. Price	BSPT A	NPT B	L	Hex A/F
A5GN0202		1/8-28	1/8-27	28	13
A5GN0404		1/4-19	1/4-18	40	16
A5GN0406		1/4-19	3/8-18	40	22
A5GN0604		3/8-19	1/4-18	40	22
A5GN0606		3/8-19	3/8-18	40	22
A5GN0608		3/8-19	1/2-14	45	25
A5GN0806		1/2-14	3/8-18	45	25
A5GN0808		1/2-14	1/2-14	50	25
A5GN0812		1/2-14	3/4-14	53	32
A5GN1208		3/4-14	1/2-14	53	32
A5GN1212		3/4-14	3/4-14	53	32
A5GN1216		3/4-14	1-11.5	58	38
A5GN1612		1-11	3/4-14	58	38
A5GN1616		1-11	1-11.5	63	38
A5GN1620		1-11	1 1/4-11.5	65	47
A5GN2016		1 1/4-11	1-11.5	65	47
A5GN2020		1 1/4-11	1 1/4-11.5	66	47
A5GN2024		1 1/4-11	1 1/2-11.5	66	51
A5GN2416		1 1/2-11	1-11.5	65	51
A5GN2420		1 1/2-11	1 1/4-11.5	66	51
A5GN2424		1 1/2-11	1 1/2-11.5	66	51
A5GN2432		1 1/2-11	2-11.5	70	63
A5GN3224		2-11	1 1/2-11.5	70	63
A5GN3232		2-11	2-11.5	72	63
A5GN3240		2-11	2 1/2-8	75	78
A5GN3248		2-11	3-8	77	93
A5GN4040		2 1/2-11	2 1/2-8	78	80
A5GN4048		2 1/2-11	3-8	80	93
A5GN4840		3-11	2 1/2-8	80	93
A5GN4848		3-11	3-8	82	93



(A) Thread Specs: [Reference Tables, page 197](#)

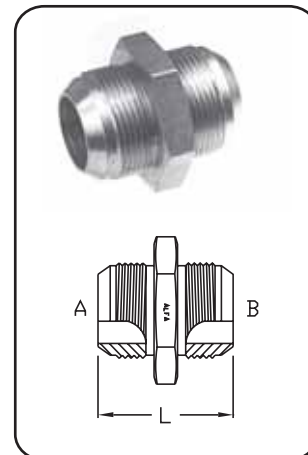
(B) Thread Specs: [Reference Tables, page 198](#)

- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS

JIC X JIC

Part Number	R.R. Price	JIC A	JIC B	L	Hex A/F
A5JJ0707		7/16-20	7/16-20	36.0	13
A5JJ0907		9/16-18	7/16-20	36.1	16
A5JJ0909		9/16-18	9/16-18	36.2	16
A5JJ1207		3/4-16	7/16-20	38.7	22
A5JJ1209		3/4-16	9/16-18	38.8	22
A5JJ1212		3/4-16	3/4-16	41.4	22
A5JJ1409		7/8-14	9/16-18	41.4	25
A5JJ1412		7/8-14	3/4-16	44.0	25
A5JJ1414		7/8-14	7/8-14	46.6	25
A5JJ1712		1 1/16-12	3/4-16	49.6	32
A5JJ1714		1 1/16-12	7/8-14	52.2	32
A5JJ1717		1 1/16-12	1 1/16-12	54.8	32
A5JJ2117		1 5/16-12	1 1/16-12	56.0	38
A5JJ2121		1 5/16-12	1 5/16-12	57.2	38
A5JJ2617		1 5/8-12	1 1/16-12	58.2	47
A5JJ2621		1 5/8-12	1 5/16-12	59.4	47
A5JJ2626		1 5/8-12	1 5/8-12	60.6	47
A5JJ3021		1 7/8-12	1 5/16-12	62.6	51
A5JJ3026		1 7/8-12	1 5/8-12	63.8	51
A5JJ3030		1 7/8-12	1 7/8-12	67.0	51
A5JJ4026		2 1/2-12	1 5/8-12	72.2	70
A5JJ4030		2 1/2-12	1 7/8-12	75.4	70
A5JJ4040		2 1/2-12	2 1/2-12	81.8	70
A5JJ4840		3 IN-12	2 1/2-12	81.9	81
A5JJ4848		3 IN-12	3 IN-12	82.0	81

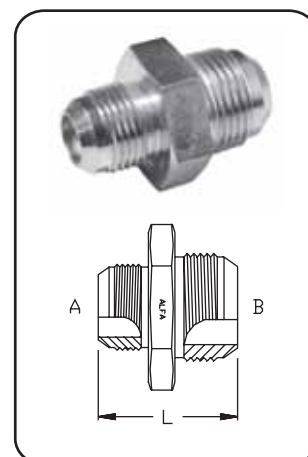


(A) Thread Specs: [Reference Tables, page 198](#)
 (B) Thread Specs: [Reference Tables, page 198](#)

- **Stainless (316)** Change 1st Letter from A to S

JIS METRIC 60° (KOMATSU FORM) X JIC 37°

Part Number	R.R. Price	JIS A	JIC B	L	Hex A/F
A5KJ1209		M12-1.5	9/16-18	36.1	16
A5KJ1409		M14-1.5	9/16-18	36.4	16
A5KJ1609		M16-1.5	9/16-18	38.1	19
A5KJ1809		M18-1.5	9/16-18	38.6	22
A5KJ2012		M20-1.5	3/4-16	43.7	22
A5KJ2212		M22-1.5	3/4-16	43.8	25
A5KJ2214		MSS-1.5	7/8-14	46.4	25
A5KJ2417		M24-1.5	1 1/16-12	54.5	32
A5KJ3017		M30-1.5	1 1/16-12	59.9	32
A5KJ3321		M33-1.5	1 5/16-12	63.5	38
A5KJ3626		M36-1.5	1 5/8-12	64.1	47
A5KJ4226		M42-1.5	1 5/8-12	72.2	47



(A) Thread Specs: [Reference Tables, page 201](#)
 (B) Thread Specs: [Reference Tables, page 198](#)

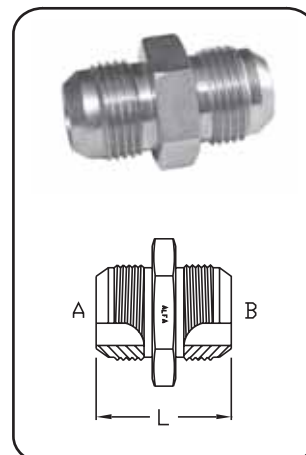
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



JIS METRIC 60° X JIS METRIC 60° (KOMATSU FORM)

Part Number	R.R. Price	JIS A	JIS B	L	Hex A/F
A5KK1212		M12-1.5	M12-1.5	36.0	16
A5KK1414		M14-1.5	M14-1.5	36.6	16
A5KK1616		M16-1.5	M16-1.5	40.0	19
A5KK1818		M18-1.5	M18-1.5	41.0	22
A5KK2020		M20-1.5	M20-1.5	46.0	22
A5KK2222		M22-1.5	M22-1.5	46.2	25
A5KK2424		M24-1.5	M24-1.5	51.2	27
A5KK3030		M30-1.5	M30-1.5	65.0	32
A5KK3333		M33-1.5	M33-1.5	69.8	35
A5KK3636		M36-1.5	M36-1.5	66.6	38
A5KK4242		M42-1.5	M42-1.5	83.8	47



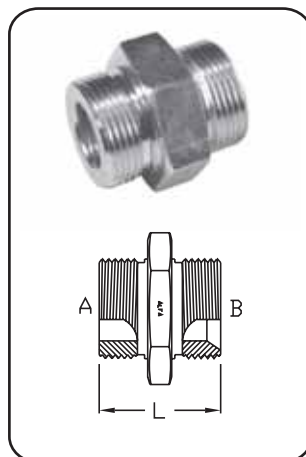
(A) Thread Specs: [Reference Tables, page 201](#)

(B) Thread Specs: [Reference Tables, page 201](#)

- **Stainless (316)** Change 1st Letter from A to S

METRIC X BSPP

Part Number	R.R. Price	Metric A	BSPP B	L	Hex A/F
A5MB1002		M10-1.0	1/8-28	26	16
A5MB1004		M10-1.0	1/4-19	30	19
A5MB1204		M12-1.5	1/4-19	30	19
A5MB1404		M14-1.5	1/4-19	34	22
A5MB1406		M14-1.5	3/8-19	32	22
A5MB1604		M16-1.5	1/4-19	34	22
A5MB1606		M16-1.5	3/8-19	32	22
A5MB1804		M18-1.5	1/4-19	34	25
A5MB1806		M18-1.5	3/8-19	35	25
A5MB1808		M18-1.5	1/2-14	37	27
A5MB2008		M20-1.5	1/2-14	34	27
A5MB2206		M22-1.5	3/8-19	40	32
A5MB2208		M22-1.5	1/2-14	42	32
A5MB2212		M22-1.5	3/4-14	44	33
A5MB2408		M24-1.5	1/2-14	42	32
A5MB2608		M26-1.5	1/2-14	40	33
A5MB2612		M26-1.5	3/4-14	39	33
A5MB2708		M27-2.0	1/2-14	44	35
A5MB2712		M27-2.0	3/4-14	46	35
A5MB2812		M28-1.5	3/4-14	46	35
A5MB3012		M30-2.0	3/4-14	46	38
A5MB3312		M33-2.0	3/4-14	49	41
A5MB3316		M33-2.0	1-11	48	41
A5MB4220		M42-2.0	1 1/4-11	52	51
A5MB4224		M42-2.0	1 1/2-11	59	57
A5MB4820		M48-2.0	1 1/4-11	59	57
A5MB4824		M48-2.0	1 1/2-11	58	57
A5MB4832		M48-2.0	2-11	63	70



(A) Thread Specs: [Reference Tables, page 195](#)

(B) Thread Specs: [Reference Tables, page 194](#)

Bonded Seal (Metric): [Reference Tables, page 189](#)

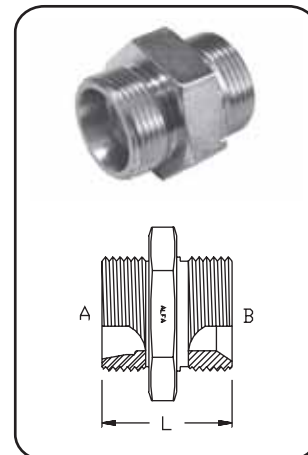
Bonded Seal (BSPP): [Reference Tables, page 188](#)

- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS

METRIC COMPRESSION 24° X BSPP

Part Number	R.R. Price	Metric A	BSPP B	L	Hex A/F
A5MCB1004-06		M10-1.0	1/4-19	28	19
A5MCB1204-06		M12-1.5	1/4-19	30	19
A5MCB1404-06		M14-1.5	1/4-19	32	19
A5MCB1604-08		M16-1.5	1/4-19	32	19
A5MCB1806-10		M18-1.5	3/8-19	32	22
A5MCB2008-12		M20-1.5	1/2-14	34	27
A5MCB2208-14		M22-1.5	1/2-14	36	27
A5MCB2208-15		M22-1.5	1/2-14	34	27
A5MCB2212-14		M22-1.5	3/4-14	41	33
A5MCB2408-16		M24-1.5	1/2-14	36	27
A5MCB2412-16		M24-1.5	3/4-14	41	33
A5MCB2612-18		M26-1.5	3/4-14	39	33
A5MCB3016-20		M30-2	1-11	46	41
A5MCB3616-25		M36-2	1-11	48	41
A5MCB4216-30		M42-2	1-11	53	47
A5MCB4220-30		M42-2	1 1/4-11	52	51
A5MCB4520-35		M45-2	1 1/4-11	48	51
A5MCB5224-38		M52-2	1 1/2-11	58	57



(A) Thread Specs: [Reference Tables, page 196](#)

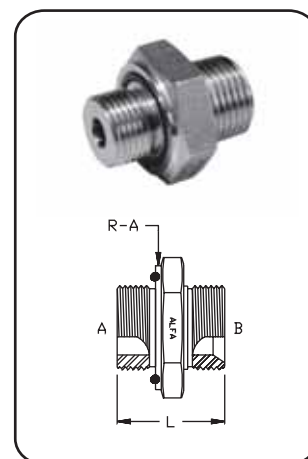
(B) Thread Specs: [Reference Tables, page 194](#)

Bonded Seal (BSPP): [Reference Tables, page 188](#)

- **Stainless (316)** Change 1st Letter from A to S

METRIC ENC O-RING X BSPP

Part Number	R.R. Price	Metric A	BSPP B	L	Boss-Ø R - A	Hex A/F	O-Ring A
A5MEB1002		M10-1.0	1/8-28	30	19	19	A9SRM10
A5MEB1004		M10-1.0	1/4-19	30	19	19	A9SRM10
A5MEB1204		M12-1.5	1/4-19	34	21	22	A9SRM12
A5MEB1404		M14-1.5	1/4-19	36	23	25	A9SRM14
A5MEB1406		M14-1.5	3/8-19	37	23	25	A9SRM14
A5MEB1604		M16-1.5	1/4-19	36	26	27	A9SRM16
A5MEB1606		M16-1.5	3/8-19	37	26	27	A9SRM16
A5MEB1804		M18-1.5	1/4-19	39	28	32	A9SRM18
A5MEB1806		M18-1.5	3/8-19	40	28	32	A9SRM18
A5MEB1808		M18-1.5	1/2-14	42	28	32	A9SRM18
A5MEB2008		M20-1.5	1/2-14	42	30	32	A9SRM20
A5MEB2206		M22-1.5	3/8-19	43	34	35	A9SRM22
A5MEB2208		M22-1.5	1/2-14	45	34	35	A9SRM22
A5MEB2212		M22-1.5	3/4-14	47	34	35	A9SRM22
A5MEB2408		M24-1.5	1/2-14	45	36	38	A9SRM24
A5MEB2608		M26-1.5	1/2-14	43	38	38	A9SRM26
A5MEB2612		M26-1.5	3/4-14	45	38	38	A9SRM26
A5MEB2708		M27-2.0	1/2-14	48	39	41	A9SRM27
A5MEB2712		M27-2.0	3/4-14	50	39	41	A9SRM27
A5MEB2812		M28-1.5	3/4-14	50	40	41	A9SRM28
A5MEB3012		M30-2.0	3/4-14	50	42	47	A9SRM30
A5MEB3312		M33-2.0	3/4-14	52	46	47	A9SRM33
A5MEB3316		M33-2.0	1-11	54	46	47	A9SRM33
A5MEB4220		M42-2.0	1 1/4-11	60	55	57	A9SRM42
A5MEB4224		M42-2.0	1 1/2-11	59	55	57	A9SRM42
A5MEB4820		M48-2.0	1 1/4-11	62	61	63	A9SRM48
A5MEB4824		M48-2.0	1 1/2-11	64	61	63	A9SRM48
A5MEB4832		M48-2.0	2-11	63	61	70	A9SRM48
A5MEB5232		M52-2.0	2-11	63	65	70	A9SRM52



(A) Thread Specs: [Reference Tables, page 195](#)

(B) Thread Specs: [Reference Tables, page 194](#)

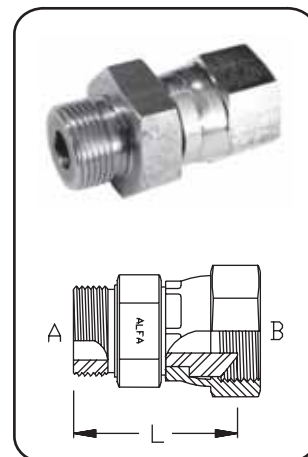
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



METRIC X BSPP SWIVEL

Part Number	R.R. Price	Metric A	Swivel B - BSPPF	L	Hex A/F	Swivel Nut Hex A/F
A5MBS1204		M12-1.5	1/4-19	38.5	19	16
A5MBS1404		M14-1.5	1/4-19	40.5	22	16
A5MBS1606		M16-1.5	3/8-19	41.5	22	19
A5MBS1808		M18-1.5	1/2-14	43.5	25	22
A5MBS2008		M20-1.5	1/2-14	43.5	27	22
A5MBS2208		M22-1.5	1/2-14	48.5	32	22
A5MBS2408		M24-1.5	1/2-14	48.5	32	22
A5MBS2612		M26-1.5	3/4-14	51.5	33	27
A5MBS2712		M27-2.0	3/4-14	55.5	35	27
A5MBS2812		M28-1.5	3/4-14	55.5	35	27
A5MBS3012		M30-2.0	3/4-14	55.5	38	27
A5MBS3316		M33-2.0	1-11	62.5	41	33
A5MBS3616		M36-2.0	1-11	62.5	47	33
A5MBS4220		M42-2.0	1 1/4-11	71.5	51	47
A5MBS4824		M48-2.0	1 1/2-11	76.5	57	47



(A) Thread Specs: [Reference Tables, page 195](#)

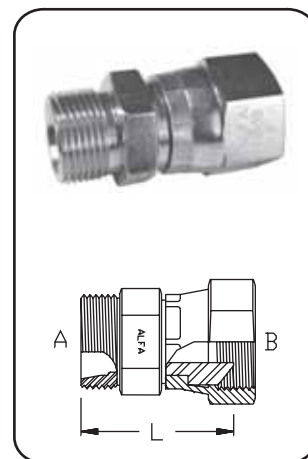
(B) Thread Specs: [Reference Tables, page 194](#)

Bonded Seal (Metric): [Reference Tables, page 189](#)

- **Stainless** (316) Change 1st Letter from A to S

METRIC COMPRESSION 24° X BSPP SWIVEL

Part Number	R.R. Price	Metric A	Swivel B - BSPPF	L	Hex A/F	Swivel Nut Hex A/F
A5MCBS1204-06		M12-1.5	1/4-19	38.5	16	16
A5MCBS1404-06		M14-1.5	1/4-19	40.5	16	16
A5MCBS1604-08		M16-1.5	1/4-19	40.5	19	16
A5MCBS1806-10		M18-1.5	3/8-19	41.5	22	19
A5MCBS2008-12		M20-1.5	1/2-14	43.5	22	22
A5MCBS2208-14		M22-1.5	1/2-14	45.5	25	22
A5MCBS2412-16		M24-1.5	3/4-14	50.5	27	27
A5MCBS2612-18		M26-1.5	3/4-14	51.5	32	27
A5MCBS3016-20		M30-2	1-11	59.5	34	33
A5MCBS3616-25		M36-2	1-11	61.5	38	33
A5MCBS4220-30		M42-2	1 1/4-11	71.5	47	47
A5MCBS4520-35		M45-2	1 1/4-11	67.5	47	47
A5MCBS5224-38		M52-2	1 1/2-11	76.5	57	47



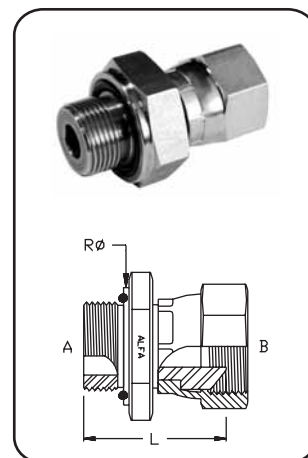
(A) Thread Specs: [Reference Tables, page 196](#)

(B) Thread Specs: [Reference Tables, page 194](#)

- **Stainless** (316) Change 1st Letter from A to S

METRIC ENC O-RING X BSPP SWIVEL

Part Number	R.R. Price	Metric A	BSPP B	L	Boss R - Ø	Hex A/F	Swivel Nut Hex A/F	Metric O-Ring
A5MEBS1204		M12-1.5	1/4-19	38.5	12	22	16	A9SRM12
A5MEBS1404		M14-1.5	1/4-19	40.5	14	25	16	A9SRM14
A5MEBS1606		M16-1.5	3/8-19	41.5	16	27	19	A9SRM16
A5MEBS1808		M18-1.5	1/2-14	46.5	18	32	22	A9SRM18
A5MEBS2008		M20-1.5	1/2-14	46.5	20	32	22	A9SRM20
A5MEBS2208		M22-1.5	1/2-14	48.5	22	35	22	A9SRM22
A5MEBS2408		M24-1.5	1/2-14	48.5	24	38	22	A9SRM24
A5MEBS2612		M26-1.5	3/4-14	51.5	26	38	27	A9SRM26
A5MEBS2712		M27-2.0	3/4-14	56.5	27	41	27	A9SRM27
A5MEBS2812		M28-1.5	3/4-14	56.5	28	41	27	A9SRM28
A5MEBS3012		M30-2.0	3/4-14	56.5	30	47	27	A9SRM30
A5MEBS3316		M33-2.0	1-11	62.5	33	47	33	A9SRM33
A5MEBS3616		M36-2.0	1-11	62.5	36	51	33	A9SRM36
A5MEBS4220		M42-2.0	1 1/4-11	73.5	42	57	47	A9SRM42
A5MEBS4824		M48-2.0	1 1/2-11	76.5	48	63	47	A9SRM48



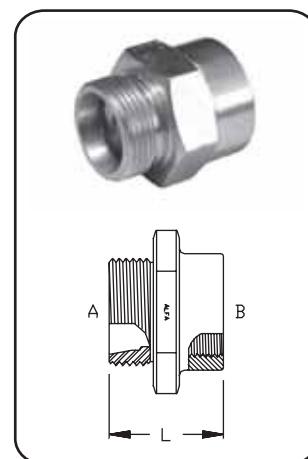
(A) Thread Specs: [Reference Tables, page 196](#)

(B) Thread Specs: [Reference Tables, page 194](#)

- **Stainless** (316) Change 1st Letter from A to S

METRIC COMPRESSION 24° X BSPPF

Part Number	R.R. Price	Metric A	BSPPF B	L	Hex A/F
A5MCBF1204-06		M12-1.5	1/4-19	29	22
A5MCBF1404-06		M14-1.5	1/4-19	31	22
A5MCBF1604-08		M16-1.5	1/4-19	31	22
A5MCBF1806-10		M18-1.5	3/8-19	32	27
A5MCBF2008-12		M20-1.5	1/2-14	34	33
A5MCBF2208-14		M22-1.5	1/2-14	36	33
A5MCBF2412-16		M24-1.5	3/4-14	38	38
A5MCBF2612-18		M26-1.5	3/4-14	36	38
A5MCBF3016-20		M30-2	1-11	43	47
A5MCBF3616-25		M36-2	1-11	45	47
A5MCBF4220-30		M42-2	1 1/4-11	49	57
A5MCBF4520-35		M45-2	1 1/4-11	45	57
A5MCBF5224-38		M52-2	1 1/2-11	53	63



(A) Thread Specs: [Reference Tables, page 196](#)

(B) Thread Specs: [Reference Tables, page 194](#)

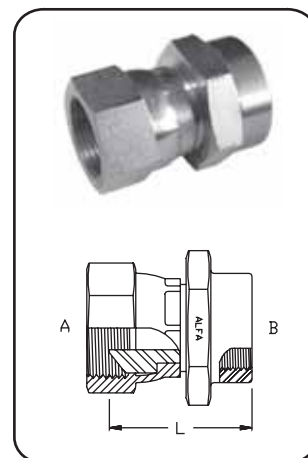
- **Stainless** (316) Change 1st Letter from A to S

THREADED ADAPTORS



METRIC SWIVEL 24° X BSPPF

Part Number	R.R. Price	Metric A	BSPPF B	L	Hex A/F	Swivel Nut Hex A/F
A5MSBF1204-06		M12-1.5	1/4-19	38.5	22	22
A5MSBF1404-06		M14-1.5	1/4-19	40.0	22	22
A5MSBF1604-08		M16-1.5	1/4-19	41.0	22	22
A5MSBF1806-10		M18-1.5	3/8-19	42.5	27	27
A5MSBF2008-12		M20-1.5	1/2-14	50.5	33	33
A5MSBF2208-14		M22-1.5	1/2-14	50.5	33	33
A5MSBF2412-16		M24-1.5	3/4-14	56.0	38	38
A5MSBF2612-18		M26-1.5	3/4-14	60.5	38	38
A5MSBF3016-20		M30-2	1-11	67.0	47	47
A5MSBF3616-25		M36-2	1-11	70.0	47	47
A5MSBF4220-30		M42-2	1 1/4-11	77.0	57	57
A5MSBF4520-35		M45-2	1 1/4-11	81.0	57	57
A5MSBF5224-38		M52-2	1 1/2-11	85.5	63	63



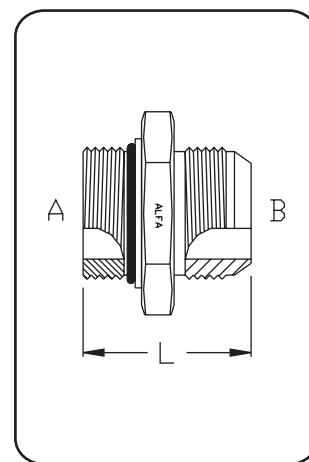
(A) Thread Specs: [Reference Tables, page 196](#)

(B) Thread Specs: [Reference Tables, page 194](#)

- **Stainless** (316) Change 1st Letter from A to S

METRIC UN-O X JIC

Part Number	R.R. Price	Metric UN-O A	JIC B	L	Hex A/F	O-Ring Boss-Ø R
A5MUJ1009		M10-1.0	9/16-18	34	16	13
A5MUJ1209		M12-1.5	9/16-18	35	19	17
A5MUJ1409		M14-1.5	9/16-18	37	19	19
A5MUJ1812		M18-1.5	3/4-16	40	25	23
A5MUJ2412		M24-1.5	3/4-16	46	30	29
A5MUJ2417		M24-1.5	1 1/16-12	51	30	29
A5MUJ3317		M33-2.0	1 1/16-12	55	38	38
A5MUJ3321		M33-2.0	1 5/16-12	56	38	38
A5MUJ4226		M42-2.0	1 5/8-12	60	47	47



(A) Thread Specs: [Reference Tables, page 195](#)

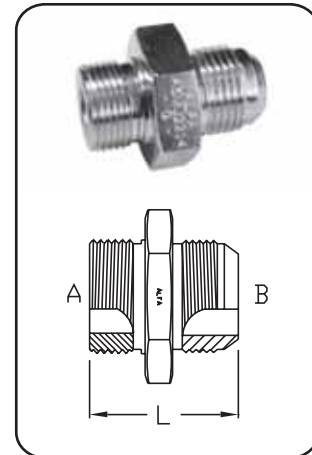
(B) Thread Specs: [Reference Tables, page 198](#)

- **Stainless** (316) Change 1st Letter from A to S

THREADED ADAPTORS

METRIC X JIC

Part Number	R.R. Price	Metric A	JIC B	L	Hex A/F
A5MJ1007		M10-1.0	7/16-20	30.0	16
A5MJ1009		M10-1.0	9/16-18	30.1	16
A5MJ1207		M12-1.5	7/16-20	32.0	19
A5MJ1207-1.0		M12-1.0	7/16-20	32.0	19
A5MJ1207-1.25		M12-1.25	7/16-20	32.0	19
A5MJ1209		M12-1.5	9/16-18	32.1	19
A5MJ1212		M12-1.5	3/4-16	36.7	22
A5MJ1407		M14-1.5	7/16-20	34.0	22
A5MJ1409		M14-1.5	9/16-18	34.1	22
A5MJ1412		M14-1.5	3/4-16	36.7	22
A5MJ1609		M16-1.5	9/16-18	34.1	22
A5MJ1612		M16-1.5	3/4-16	36.7	22
A5MJ1614		M16-1.5	7/8-14	42.3	25
A5MJ1617		M16-1.5	1 1/16-12	47.9	32
A5MJ1809		M18-1.5	9/16-18	34.1	25
A5MJ1812		M18-1.5	3/4-16	36.7	25
A5MJ1814		M18-1.5	7/8-14	39.3	25
A5MJ1817		M18-1.5	1 1/16-12	47.9	32
A5MJ2009		M20-1.5	9/16-18	34.1	27
A5MJ2012		M20-1.5	3/4-16	36.7	27
A5MJ2017		M20-1.5	1 1/16-12	47.9	32
A5MJ2209		M22-1.5	9/16-18	39.1	32
A5MJ2212		M22-1.5	3/4-16	41.7	32
A5MJ2214		M22-1.5	7/8-14	44.3	32
A5MJ2217		M22-1.5	1 1/16-12	46.9	32
A5MJ2412		M24-1.5	3/4-16	41.7	32
A5MJ2417		M24-1.5	1 1/16-12	46.9	32
A5MJ2614		M26-1.5	7/8-14	42.3	33
A5MJ2617		M26-1.5	1 1/16-12	44.9	33
A5MJ2621		M26-1.5	1 5/16-12	49.1	38
A5MJ2712		M27-2.0	3/4-16	43.7	35
A5MJ2717		M27-2.0	1 1/16-12	48.9	35
A5MJ2721		M27-2.0	1 5/16-12	53.1	38
A5MJ2817		M28-1.5	1 1/16-12	48.9	35
A5MJ3017		M30-2.0	1 1/16-12	48.9	38
A5MJ3017-1.5		M30-1.5	1 1/16-12	48.9	38
A5MJ3317		M33-2.0	1 1/16-12	51.9	41
A5MJ3321		M33-2.0	1 5/16-12	53.1	41
A5MJ3326		M33-2.0	1 5/8-12	57.3	47
A5MJ4221		M42-2.0	1 5/16-12	55.1	51
A5MJ4226		M42-2.0	1 5/8-12	56.3	51
A5MJ4826		M48-2.0	1 5/8-12	60.3	57
A5MJ4830		M48-2.0	1 7/8-12	63.5	57



(A) Thread Specs: [Reference Tables, page 195](#)

(B) Thread Specs: [Reference Tables, page 198](#)

Bonded Seal (Metric): [Reference Tables, page 189](#)

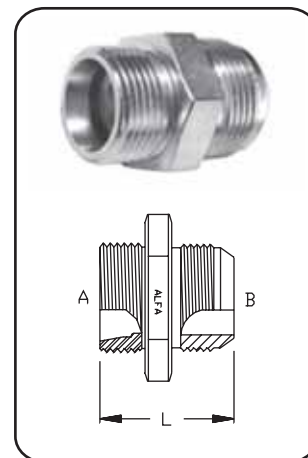
- **Stainless** (316) Change 1st Letter from A to S

THREADED ADAPTORS



METRIC COMPRESSION 24° X JIC

Part Number	R.R. Price	Metric A	JIC B	L	Hex A/F
A5MCJ1007-06		M10-1.0	7/16-20	30.0	13
A5MCJ1009-06		M10-1.0	9/16-18	30.1	16
A5MCJ1207-06		M12-1.5	7/16-20	32.0	16
A5MCJ1209-06		M12-1.5	9/16-18	32.1	16
A5MCJ1409-06		M14-1.5	9/16-18	34.1	16
A5MCJ1412-06		M14-1.5	3/4-16	36.7	22
A5MCJ1421-08		M14-1.5	1 5/16-12	44.1	38
A5MCJ1609-08		M16-1.5	9/16-18	34.1	19
A5MCJ1612-08		M16-1.5	3/4-16	36.7	22
A5MCJ1621-08		M16-1.5	1 5/16-12	46.1	38
A5MCJ1621-10		M16-1.5	1 5/16-12	45.1	38
A5MCJ1809-10		M18-1.5	9/16-18	34.1	22
A5MCJ1812-10		M18-1.5	3/4-16	36.7	22
A5MCJ1814-10		M18-1.5	7/8-14	39.3	25
A5MCJ1821-10		M18-1.5	1 5/16-12	46.1	38
A5MCJ1821-12		M18-1.5	1 5/16-12	45.1	38
A5MCJ2009-12		M20-1.5	9/16-18	34.1	22
A5MCJ2012-12		M20-1.5	3/4-16	36.7	22
A5MCJ2014-12		M20-1.5	7/8-14	39.3	25
A5MCJ2021-12		M20-1.5	1 5/16-12	46.1	38
A5MCJ2209-14		M22-1.5	9/16-18	36.1	25
A5MCJ2212-14		M22-1.5	3/4-16	38.7	25
A5MCJ2214-14		M22-1.5	7/8-14	41.3	25
A5MCJ2221-14		M22-1.5	1 5/16-12	48.1	38
A5MCJ2221-15		M22-1.5	1 5/16-12	46.1	38
A5MCJ2409-16		M24-1.5	9/16-18	36.1	27
A5MCJ2412-16		M24-1.5	3/4-16	38.7	27
A5MCJ2414-16		M24-1.5	7/8-14	41.3	27
A5MCJ2417-16		M24-1.5	1 1/16-12	46.9	32
A5MCJ2421-16		M24-1.5	1 5/16-12	48.1	38
A5MCJ2614-18		M26-1.5	7/8-14	42.3	32
A5MCJ2617-18		M26-1.5	1 1/16-12	44.9	32
A5MCJ2621-18		M26-1.5	1 5/16-12	46.1	38
A5MCJ3014-20		M30-2	7/8-14	46.3	32
A5MCJ3017-20		M30-2	1 1/16-12	48.9	32
A5MCJ3021-20		M30-2	1 5/16-12	50.1	38
A5MCJ3021-22		M30-2	1 5/16-12	48.1	38
A5MCJ3617-25		M36-2	1 1/16-12	50.9	38
A5MCJ3621-25		M36-2	1 5/16-12	52.1	38
A5MCJ3621-28		M36-2	1 5/16-12	48.1	38
A5MCJ3626-25		M36-2	1 5/8-12	54.3	47
A5MCJ4221-30		M42-2	1 5/16-12	55.1	47
A5MCJ4226-30		M42-2	1 5/8-12	56.3	47
A5MCJ4230-30		M42-2	1 7/8-12	59.5	51
A5MCJ4521-35		M45-2	1 5/16-12	51.1	47
A5MCJ4526-35		M45-2	1 5/8-12	52.3	47
A5MCJ4530-35		M45-2	1 7/8-12	55.5	51
A5MCJ5221-38		M52-2	1 5/16-12	59.1	57
A5MCJ5221-42		M52-2	1 5/16-12	53.1	57
A5MCJ5226-38		M52-2	1 5/8-12	60.3	57
A5MCJ5230-38		M52-2	1 7/8-12	63.5	57



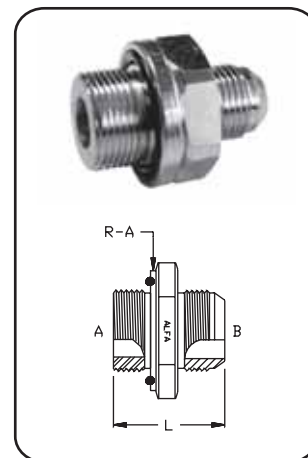
- (A) Thread Specs: [Reference Tables, page 196](#)
 (B) Thread Specs: [Reference Tables, page 199](#)

- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS

METRIC ENC O-RING X JIC

Part Number	R.R. Price	Metric A	JIC B	L	Boss-Ø R - A	Hex A/F	Metric O-Ring
A5MEJ1814		M18-1.5	7/8-14	44.3	28	32	A9SRM18
A5MEJ1817		M18-1.5	1 1/16-12	46.9	28	32	A9SRM18
A5MEJ2009		M20-1.5	9/16-18	38.1	30	27	A9SRM20
A5MEJ2012		M20-1.5	3/4-16	41.7	30	32	A9SRM20
A5MEJ2017		M20-1.5	1 1/16-12	46.9	30	32	A9SRM20
A5MEJ2209		M22-1.5	9/16-18	43.1	34	31	A9SRM22
A5MEJ2212		M22-1.5	3/4-16	45.7	34	31	A9SRM22
A5MEJ2214		M22-1.5	7/8-14	48.3	34	31	A9SRM22
A5MEJ2217		M22-1.5	1 1/16-12	49.9	34	35	A9SRM22
A5MEJ2412		M24-1.5	3/4-16	45.7	36	33	A9SRM24
A5MEJ2417		M24-1.5	1 1/16-12	49.9	36	38	A9SRM24
A5MEJ2614		M26-1.5	7/8-14	46.3	38	35	A9SRM26
A5MEJ2617		M26-1.5	1 1/16-12	48.9	38	35	A9SRM26
A5MEJ2621		M26-1.5	1 5/16-12	49.1	38	38	A9SRM26
A5MEJ2712		M27-2.0	3/4-16	47.7	39	35	A9SRM27
A5MEJ2717		M27-2.0	1 1/16-12	52.9	39	35	A9SRM27
A5MEJ2721		M27-2.0	1 5/16-12	54.1	39	41	A9SRM27
A5MEJ2817		M28-1.5	1 1/16-12	52.9	40	36	A9SRM28
A5MEJ3017		M30-2.0	1 1/16-12	52.9	42	38	A9SRM30
A5MEJ3017-1.5		M30-1.5	1 1/16-12	52.9	42	38	A9SRM30
A5MEJ3317		M33-2.0	1 1/16-12	55.9	46	42	A9SRM33
A5MEJ3321		M33-2.0	1 5/16-12	56.1	46	47	A9SRM33
A5MEJ3326		M33-2.0	1 5/8-12	57.3	46	47	A9SRM33
A5MEJ4221		M42-2.0	1 5/16-12	60.1	55	50	A9SRM42
A5MEJ4226		M42-2.0	1 5/8-12	61.3	55	57	A9SRM42
A5MEJ4826		M48-2.0	1 5/8-12	65.3	61	56	A9SRM48
A5MEJ4830		M48-2.0	1 7/8-12	66.5	61	63	A9SRM48

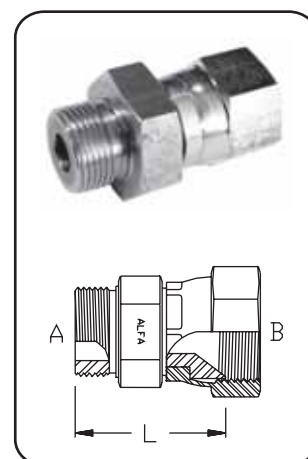


(A) Thread Specs: [Reference Tables, page 195](#)
 (B) Thread Specs: [Reference Tables, page 199](#)

- **Stainless (316)** Change 1st Letter from A to S

METRIC X JICF SWIVEL

Part Number	R.R. Price	Metric A	Swivel B - JICF	L	Hex A/F	Swivel Nut Hex A/F
A5MJS1007		M10-1.0	7/16-20	30.5	16	13
A5MJS1207		M12-1.5	7/16-20	32.5	19	13
A5MJS1209		M12-1.5	9/16-18	33.5	19	13
A5MJS1409		M14-1.5	9/16-18	35.5	22	13
A5MJS1609		M16-1.5	9/16-18	35.5	22	13
A5MJS1809		M18-1.5	9/16-18	35.5	25	13
A5MJS1812		M18-1.5	3/4-16	36.5	25	19
A5MJS2012		M20-1.5	3/4-16	36.5	27	19
A5MJS2212		M22-1.5	3/4-16	41.5	32	19
A5MJS2214		M22-1.5	7/8-14	43.5	32	22
A5MJS2417		M24-1.5	1 1/16-12	45.5	32	25
A5MJS2617		M26-1.5	1 1/16-12	43.5	33	25
A5MJS2717		M27-2.0	1 1/16-12	47.5	35	25
A5MJS2817		M28-1.5	1 1/16-12	47.5	35	25
A5MJS3021		M30-2.0	1 5/16-12	50.5	38	32
A5MJS3321		M33-2.0	1 5/16-12	53.5	41	32
A5MJS3626		M36-2.0	1 5/8-12	57.5	47	41
A5MJS4226		M42-2.0	1 5/8-12	59.5	51	41
A5MJS4830		M48-2.0	1 7/8-12	66.5	57	47



(A) Thread Specs: [Reference Tables, page 195](#)
 (B) Thread Specs: [Reference Tables, page 199](#)
 Bonded Seal (Metric): [Reference Tables, page 189](#)

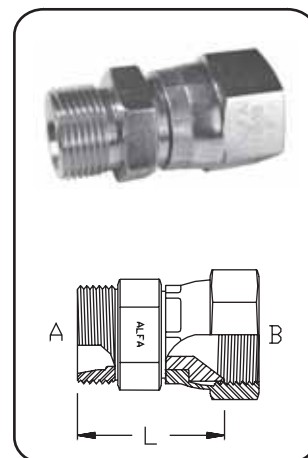
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



METRIC COMPRESSION 24° X JICF SWIVEL

Part Number	R.R. Price	Metric A	Swivel B - JICF	L	Hex A/F	Swivel Nut Hex A/F
A5MCJS1007-06		M10-1.0	7/16-20	30.5	13	13
A5MCJS1207-06		M12-1.5	7/16-20	32.5	16	13
A5MCJS1209-06		M12-1.5	9/16-18	33.5	16	13
A5MCJS1409-06		M14-1.5	9/16-18	35.5	16	13
A5MCJS1609-08		M16-1.5	9/16-18	35.5	19	13
A5MCJS1809-10		M18-1.5	9/16-18	35.5	22	13
A5MCJS1812-10		M18-1.5	3/4-16	36.5	22	19
A5MCJS2012-12		M20-1.5	3/4-16	36.5	22	19
A5MCJS2212-14		M22-1.5	3/4-16	38.5	25	19
A5MCJS2214-14		M22-1.5	7/8-14	40.5	25	22
A5MCJS2417-16		M24-1.5	1 1/16-12	42.5	27	25
A5MCJS2617-18		M26-1.5	1 1/16-12	43.5	30	25
A5MCJS3021-20		M30-2	1 5/16-12	50.5	35	32
A5MCJS3626-25		M36-2	1 5/8-12	57.5	41	41
A5MCJS4226-30		M42-2	1 5/8-12	59.5	47	41
A5MCJS4530-35		M45-2	1 7/8-12	58.5	51	47
A5MCJS5230-38		M52-2	1 7/8-12	66.5	57	47



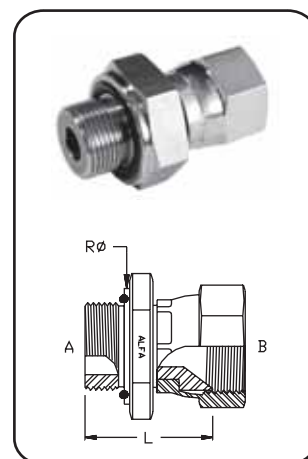
(A) Thread Specs: [Reference Tables, page 196](#)

(B) Thread Specs: [Reference Tables, page 199](#)

- **Stainless (316)** Change 1st Letter from A to S

METRIC ENC O-RING X JICF SWIVEL

Part Number	R.R. Price	Metric A	JIC B	L	Boss R - Ø	Hex A/F	Swivel Nut Hex A/F	Metric O-Ring
A5MEJS1007		M10-1.0	7/16-20	32.5	19	19	13	A9SRM10
A5MEJS1207		M12-1.5	7/16-20	34.5	21	22	13	A9SRM12
A5MEJS1209		M12-1.5	9/16-18	35.5	21	22	13	A9SRM12
A5MEJS1409		M14-1.5	9/16-18	37.5	23	25	13	A9SRM14
A5MEJS1609		M16-1.5	9/16-18	37.5	26	27	13	A9SRM16
A5MEJS1809		M18-1.5	9/16-18	40.5	28	30	13	A9SRM18
A5MEJS1812		M18-1.5	3/4-16	41.5	28	30	19	A9SRM18
A5MEJS2012		M20-1.5	3/4-16	41.5	30	30	19	A9SRM20
A5MEJS2212		M22-1.5	3/4-16	44.5	34	35	19	A9SRM22
A5MEJS2214		M22-1.5	7/8-14	46.5	34	35	22	A9SRM22
A5MEJS2417		M24-1.5	1 1/16-12	48.5	36	38	25	A9SRM24
A5MEJS2617		M26-1.5	1 1/16-12	46.5	38	38	25	A9SRM26
A5MEJS2717		M27-2.0	1 1/16-12	51.5	39	41	25	A9SRM27
A5MEJS2817		M28-1.5	1 1/16-12	51.5	40	41	25	A9SRM28
A5MEJS3021		M30-2.0	1 5/16-12	54.5	42	47	32	A9SRM30
A5MEJS3321		M33-2.0	1 5/16-12	56.5	46	47	32	A9SRM33
A5MEJS3626		M36-2.0	1 5/8-12	60.5	49	51	41	A9SRM36
A5MEJS4226		M42-2.0	1 5/8-12	64.5	55	57	41	A9SRM42
A5MEJS4830		M48-2.0	1 7/8-12	69.5	61	63	47	A9SRM48



(A) Thread Specs: [Reference Tables, page 195](#)

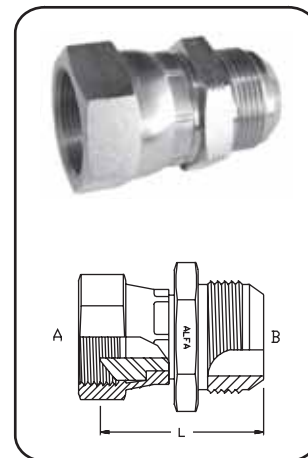
(B) Thread Specs: [Reference Tables, page 199](#)

- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS

METRIC SWIVEL 24° X JIC

Part Number	R.R. Price	Metric A	JIC B	L	Hex A/F	Swivel Nut Hex A/F
A5MSJ1207-06		M12-1.5	7/16-20	38.5	13	13
A5MSJ1209-06		M12-1.5	9/16-18	38.6	16	16
A5MSJ1409-06		M14-1.5	9/16-18	40.1	16	16
A5MSJ1609-08		M16-1.5	9/16-18	41.1	19	16
A5MSJ1809-10		M18-1.5	9/16-18	42.6	19	16
A5MSJ1812-10		M18-1.5	3/4-16	45.2	22	22
A5MSJ2012-12		M20-1.5	3/4-16	48.2	22	22
A5MSJ2212-14		M22-1.5	3/4-16	48.2	25	22
A5MSJ2214-14		M22-1.5	7/8-14	50.8	25	25
A5MSJ2417-16		M24-1.5	1 1/16-12	59.9	30	32
A5MSJ2617-18		M26-1.5	1 1/16-12	64.4	30	32
A5MSJ3021-20		M30-2	1 5/16-12	69.1	38	38
A5MSJ3021-22-1.5		M30-1.5	1 5/16-12	66.6	38	38
A5MSJ3626-25		M36-2	1 5/8-12	74.3	47	47
A5MSJ4226-30		M42-2	1 5/8-12	77.3	47	47
A5MSJ4530-35		M45-2	1 7/8-12	84.5	51	51
A5MSJ5230-38		M52-2	1 7/8-12	89	57	51



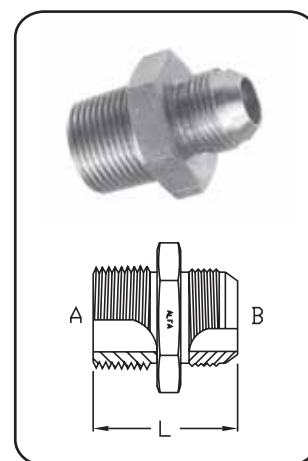
(A) Thread Specs: [Reference Tables, page 196](#)

(B) Thread Specs: [Reference Tables, page 198](#)

- **Stainless (316)** Change 1st Letter from A to S

NPT X JIC

Part Number	R.R. Price	NPT A	JIC B	L	Hex A/F
A5NJ0207		1/8-27	7/16-20	32.0	13
A5NJ0407		1/4-18	7/16-20	38.0	16
A5NJ0409		1/4-18	9/16-18	38.1	16
A5NJ0609		3/8-18	9/16-18	38.1	19
A5NJ0809		1/2-14	9/16-18	43.1	25
A5NJ0812		1/2-14	3/4-16	45.7	25
A5NJ1212		3/4-14	3/4-16	48.7	30
A5NJ1217		3/4-14	1 1/16-12	53.9	30
A5NJ1617		1-11.5	1 1/16-12	58.9	35
A5NJ1621		1-11.5	1 5/16-12	60.1	38
A5NJ2017		1 1/4-11.5	1 1/16-12	60.9	47
A5NJ2021		1 1/4-11.5	1 5/16-12	62.1	47
A5NJ2026		1 1/4-11.5	1 5/8-12	63.3	47
A5NJ2030		1 1/4-11.5	1 7/8-12	66.5	51
A5NJ2421		1 1/2-11.5	1 5/16-12	62.1	51
A5NJ2426		1 1/2-11.5	1 5/8-12	63.3	51
A5NJ2430		1 1/2-11.5	1 7/8-12	66.5	51
A5NJ2440		1 1/2-11.5	2 1/2-12	74.9	70
A5NJ3226		2-11.5	1 5/8-12	67.3	63
A5NJ3230		2-11.5	1 7/8-12	70.5	63
A5NJ3240		2-11.5	2 1/2-12	76.9	70
A5NJ4040		2 1/2-8	2 1/2-12	79.9	77
A5NJ4048		2 1/2-8	3 IN-12	80.0	81
A5NJ4848		3-8	3 IN-12	82.0	93
A5NJ4856		3-8	3 1/2-12	82.0	93



(A) Thread Specs: [Reference Tables, page 198](#)

(B) Thread Specs: [Reference Tables, page 198](#)

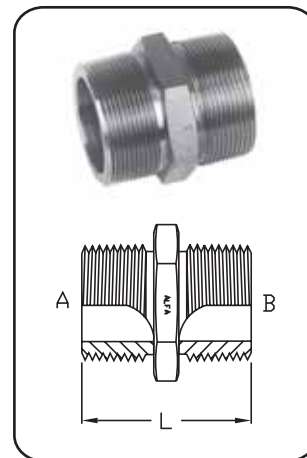
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



NPT X NPT

Part Number	R.R. Price	NPT A	NPT B	L	Hex A/F
A5NN0404		1/4-18	1/4-18	40	16
A5NN0604		3/8-18	1/4-18	40	22
A5NN0606		3/8-18	3/8-18	40	22
A5NN0806		1/2-14	3/8-18	45	25
A5NN0808		1/2-14	1/2-14	50	25
A5NN1206		3/4-14	3/8-18	48	32
A5NN1208		3/4-14	1/2-14	53	32
A5NN1212		3/4-14	3/4-14	53	32
A5NN1608		1-11.5	1/2-14	58	38
A5NN1612		1-11.5	3/4-14	58	38
A5NN1616		1-11.5	1-11.5	63	38
A5NN2016		1 1/4-11.5	1-11.5	65	47
A5NN2020		1 1/4-11.5	1 1/4-11.5	66	47
A5NN2416		1 1/2-11.5	1-11.5	65	51
A5NN2420		1 1/2-11.5	1 1/4-11.5	66	51
A5NN2424		1 1/2-11.5	1 1/2-11.5	66	51
A5NN3208		2-11.5	1/2-14	64	63
A5NN3216		2-11.5	1-11.5	69	63
A5NN3224		2-11.5	1 1/2-11.5	70	63
A5NN3232		2-11.5	2-11.5	72	63
A5NN4032		2 1/2-8	2-11.5	75	78
A5NN4040		2 1/2-8	2 1/2-8	78	78
A5NN4832		3-8	2-11.5	77	93
A5NN4840		3-8	2 1/2-8	80	93
A5NN4848		3-8	3-8	82	93
A5NN6448		4-8	3-8	86	118
A5NN6464		4-8	4-8	90	118



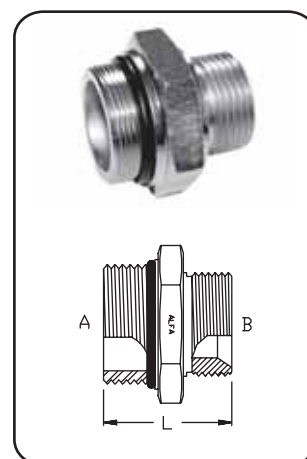
(A) Thread Specs: [Reference Tables, page 198](#)

(B) Thread Specs: [Reference Tables, page 198](#)

- **Stainless (316)** Change 1st Letter from A to S

UN-O X BSPP

Part Number	R.R. Price	UN-O A	BSPP B	L	Hex A/F	UN-O O-Ring
A5UB0702		7/16-20	1/8-28	29.1	16	A9SUN07
A5UB0904		9/16-18	1/4-19	31.9	19	A9SUN09
A5UB1206		3/4-16	3/8-19	37.1	25	A9SUN12
A5UB1408		7/8-14	1/2-14	37.7	27	A9SUN14
A5UB1712		1 1/16-12	3/4-14	45.1	33	A9SUN17
A5UB2116		1 5/16-12	1-11	48.1	41	A9SUN21
A5UB2616		1 5/8-12	1-11	51.1	51	A9SUN26
A5UB3020		1 7/8-12	1 1/4-11	55.1	57	A9SUN30
A5UB3024		1 7/8-12	1 1/2-11	54.1	57	A9SUN30



(A) Thread Specs: [Reference Tables, page 199](#)

(B) Thread Specs: [Reference Tables, page 194](#)

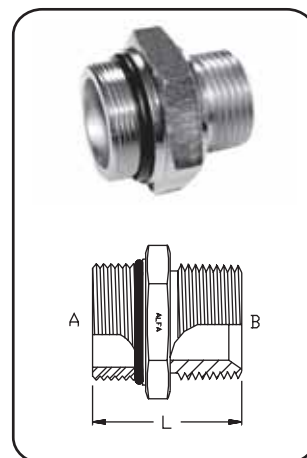
Bonded Seal (BSPP): [Reference Tables, page 188](#)

- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS

UN-O X BSPT

Part Number	R.R. Price	UN-O A	BSPT B	L	Hex A/F	UN-O O-Ring
A5UG0702		7/16-20	1/8-28	29.1	16	A9SUN07
A5UG0904		9/16-18	1/4-19	35.9	19	A9SUN09
A5UG1206		3/4-16	3/8-19	38.1	25	A9SUN12
A5UG1408		7/8-14	1/2-14	44.7	27	A9SUN14
A5UG1712		1 1/16-12	3/4-14	50.1	32	A9SUN17
A5UG2116		1 5/16-12	1-11	56.1	41	A9SUN21
A5UG2616		1 5/8-12	1-11	56.1	51	A9SUN26
A5UG3020		1 7/8-12	1 1/4-11	59.1	57	A9SUN30
A5UG3024		1 7/8-12	1 1/2-11	59.1	57	A9SUN30



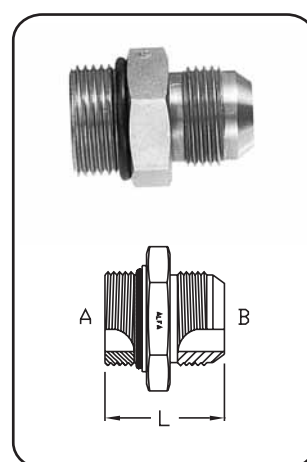
(A) Thread Specs: [Reference Tables, page 199](#)

(B) Thread Specs: [Reference Tables, page 197](#)

- **Stainless (316)** Change 1st Letter from A to S

UN-O X JIC

Part Number	R.R. Price	UN-O A	JIC B	L	Hex A/F	UN-O O-Ring
A5UJ0607		3/8-24	7/16-20	31.6	13	A9SUN06
A5UJ0609		3/8-24	9/16-18	31.7	16	A9SUN06
A5UJ0707		7/16-20	7/16-20	33.1	16	A9SUN07
A5UJ0907		9/16-18	7/16-20	33.9	19	A9SUN09
A5UJ0909		9/16-18	9/16-18	34.0	19	A9SUN09
A5UJ0912		9/16-18	3/4-16	36.6	22	A9SUN09
A5UJ1209		3/4-16	9/16-18	36.2	25	A9SUN12
A5UJ1212		3/4-16	3/4-16	38.8	25	A9SUN12
A5UJ1214		3/4-16	7/8-14	41.4	25	A9SUN12
A5UJ1409		7/8-14	9/16-18	37.8	27	A9SUN14
A5UJ1412		7/8-14	3/4-16	40.4	27	A9SUN14
A5UJ1414		7/8-14	7/8-14	43.0	27	A9SUN14
A5UJ1417		7/8-14	1 1/16-12	48.6	32	A9SUN14
A5UJ1712		1 1/16-12	3/4-16	45.8	32	A9SUN17
A5UJ1714		1 1/16-12	7/8-14	48.4	32	A9SUN17
A5UJ1717		1 1/16-12	1 1/16-12	51.0	32	A9SUN17
A5UJ1917		1 3/16-12	1 1/16-12	51.0	35	A9SUN19
A5UJ2117		1 5/16-12	1 1/16-12	52.0	41	A9SUN21
A5UJ2121		1 5/16-12	1 5/16-12	53.2	41	A9SUN21
A5UJ2617		1 5/8-12	1 1/16-12	52.0	51	A9SUN26
A5UJ2621		1 5/8-12	1 5/16-12	53.2	51	A9SUN26
A5UJ2626		1 5/8-12	1 5/8-12	54.4	51	A9SUN26
A5UJ2630		1 5/8-12	1 7/8-12	57.6	51	A9SUN26
A5UJ3017		1 7/8-12	1 1/16-12	54.0	57	A9SUN30
A5UJ3021		1 7/8-12	1 5/16-12	55.2	57	A9SUN30
A5UJ3026		1 7/8-12	1 5/8-12	56.4	57	A9SUN30
A5UJ3030		1 7/8-12	1 7/8-12	59.6	57	A9SUN30
A5UJ3040		1 7/8-12	2 1/2-12	66.0	70	A9SUN30
A5UJ4040		2 1/2-12	2 1/2-12	66.0	70	A9SUN40



(A) Thread Specs: [Reference Tables, page 199](#)

(B) Thread Specs: [Reference Tables, page 199](#)

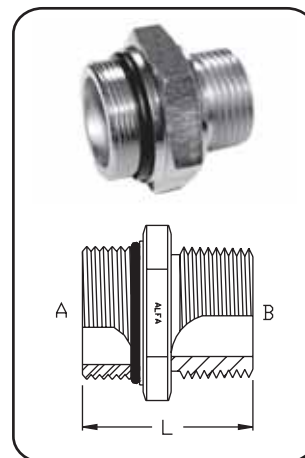
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



UN-O X NPT

Part Number	R.R. Price	UN-O A	JIC B	L	Hex A/F
A5UN0704		7/16-20	1/4-18	35	16
A5UN0708		7/16-20	1/2-14	40	25
A5UN0904		9/16-18	1/4-18	36	19
A5UN0906		9/16-18	3/8-18	36	19
A5UN0908		9/16-18	1/2-14	41	25
A5UN1206		3/4-16	3/8-18	38	25
A5UN1208		3/4-16	1/2-14	43	25
A5UN1406		7/8-14	3/8-18	40	27
A5UN1708		1 1/16-12	1/2-14	47	32
A5UN1712		1 1/16-12	3/4-14	47	32
A5UN1716		1 1/16-12	1-11.5	55	35
A5UN1920		1 3/16-12	1 1/4-11.5	57	47



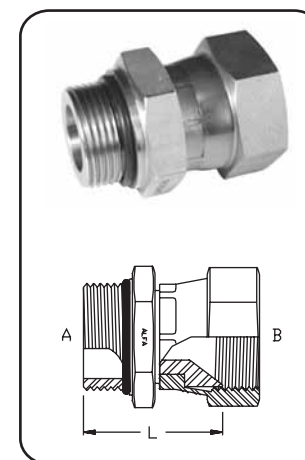
(A) Thread Specs: [Reference Tables, page 199](#)

(B) Thread Specs: [Reference Tables, page 198](#)

- **Stainless (316)** Change 1st Letter from A to S

UN-O X JICF SWIVEL

Part Number	R.R. Price	UN-O A	Swivel B - JICF	L	Hex A/F	UN-O O-Ring
A5UJS0707		7/16-20	7/16-20	33.6	16	A9SUN07
A5UJS0909		9/16-18	9/16-18	35.4	19	A9SUN09
A5UJS1212		3/4-16	3/4-16	38.6	25	A9SUN12
A5UJS1414		7/8-14	7/8-14	42.2	27	A9SUN14
A5UJS1717		1 1/16-12	1 1/16-12	49.6	32	A9SUN17
A5UJS2121		1 5/16-12	1 5/16-12	53.6	41	A9SUN21
A5UJS2626		1 5/8-12	1 5/8-12	57.6	51	A9SUN26
A5UJS3030		1 7/8-12	1 7/8-12	62.6	57	A9SUN30



(A) Thread Specs: [Reference Tables, page 199](#)

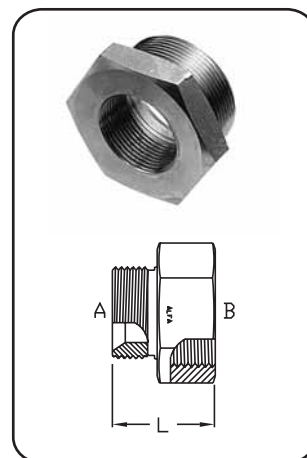
(B) Thread Specs: [Reference Tables, page 199](#)

- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS

BSPP X BSPPF

Part Number	R.R. Price	BSPP A	BSPPF B	L	Hex A/F
A5HBB0402		1/4-19	1/8-28	29	19
A5HBB0406		1/4-19	3/8-19	34	27
A5HBB0604		3/8-19	1/4-19	31	22
A5HBB0608		3/8-19	1/2-14	38	33
A5HBB0804		1/2-14	1/4-19	33	27
A5HBB0806		1/2-14	3/8-19	34	27
A5HBB0812		1/2-14	3/4-14	41	38
A5HBB0816		1/2-14	1-11	44	47
A5HBB1204		3/4-14	1/4-19	27	33
A5HBB1206		3/4-14	3/8-19	36	33
A5HBB1208		3/4-14	1/2-14	39	33
A5HBB1216		3/4-14	1-11	46	47
A5HBB1608		1-11	1/2-14	30	41
A5HBB1612		1-11	3/4-14	42	41
A5HBB1620		1-11	1 1/4-11	50	57
A5HBB1624		1-11	1 1/2-11	52	63
A5HBB1632		1-11	2-11	55	77
A5HBB2008		1 1/4-11	1/2-14	32	51
A5HBB2012		1 1/4-11	3/4-14	32	51
A5HBB2016		1 1/4-11	1-11	47	51
A5HBB2024		1 1/4-11	1 1/2-11	54	63
A5HBB2032		1 1/4-11	2-11	57	77
A5HBB2408		1 1/2-11	1/2-14	36	57
A5HBB2412		1 1/2-11	3/4-14	36	57
A5HBB2416		1 1/2-11	1-11	36	57
A5HBB2420		1 1/2-11	1 1/4-11	51	57
A5HBB2432		1 1/2-11	2-11	59	77
A5HBB3208		2-11	1/2-14	43	70
A5HBB3212		2-11	3/4-14	43	70
A5HBB3216		2-11	1-11	43	70
A5HBB3220		2-11	1 1/4-11	43	70
A5HBB3224		2-11	1 1/2-11	55	70



(A) Thread Specs: [Reference Tables, page 194](#)

(B) Thread Specs: [Reference Tables, page 194](#)

Bonded Seal (BSPP): [Reference Tables, page 188](#)

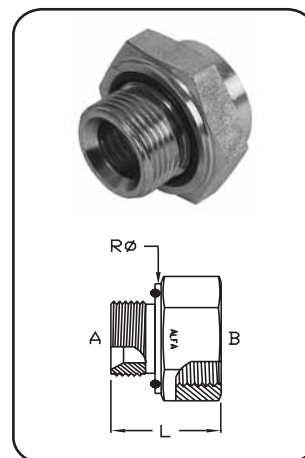
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



BSPP ENC O-RING X BSPPF

Part Number	R.R. Price	BSPP A	BSPPF B	L	Boss R - Ø	Hex A/F	BSPP O-Ring
A5HBEB0804		1/2-14	1/4-19	36	33	33	A9SRB08
A5HBEB1204		3/4-14	1/4-19	30	38	38	A9SRB12
A5HBEB1208		3/4-14	1/2-14	41	38	38	A9SRB12
A5HBEB1608		1-11	1/2-14	33	46	47	A9SRB16
A5HBEB1612		1-11	3/4-14	45	46	47	A9SRB16
A5HBEB2008		1 1/4-11	1/2-14	37	55	57	A9SRB20
A5HBEB2012		1 1/4-11	3/4-14	37	55	57	A9SRB20
A5HBEB2016		1 1/4-11	1-11	50	55	57	A9SRB20
A5HBEB2408		1 1/2-11	1/2-14	39	61	63	A9SRB24
A5HBEB2412		1 1/2-11	3/4-14	39	61	63	A9SRB24
A5HBEB2416		1 1/2-11	1-11	39	61	63	A9SRB24
A5HBEB2420		1 1/2-11	1 1/4-11	54	61	63	A9SRB24
A5HBEB3208		2-11	1/2-14	43	75	68	A9SRB32
A5HBEB3216		2-11	1-11	43	75	68	A9SRB32
A5HBEB3220		2-11	1 1/4-11	43	75	68	A9SRB32
A5HBEB3224		2-11	1 1/2-11	61	75	68	A9SRB32
A5HBEB4016		2 1/2-11	1-11	45	91	83	A9SRB40
A5HBEB4024		2 1/2-11	1 1/2-11	45	91	83	A9SRB40
A5HBEB4032		2 1/2-11	2-11	66	91	83	A9SRB40
A5HBEB4832		3-11	2-11	47	104	95	A9SRB48



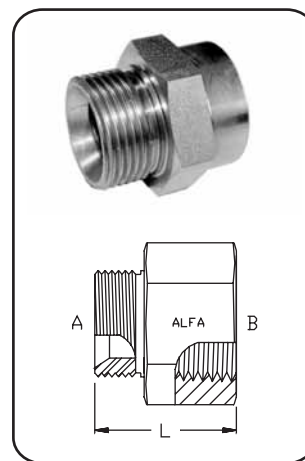
(A) Thread Specs: [Reference Tables, page 194](#)

(B) Thread Specs: [Reference Tables, page 194](#)

- **Stainless (316)** Change 1st Letter from A to S

BSPP X BSPTF

Part Number	R.R. Price	BSPP A	BSPTF B	L	Hex A/F
A5HBG0404		1/4-19	1/4-19	37	22
A5HBG0604		3/8-19	1/4-19	35	22
A5HBG0606		3/8-19	3/8-19	38	25
A5HBG0806		1/2-14	3/8-19	37	27
A5HBG0808		1/2-14	1/2-14	45	32
A5HBG1208		3/4-14	1/2-14	44	33
A5HBG1212		3/4-14	3/4-14	48	35
A5HBG1612		1-11	3/4-14	47	41
A5HBG1616		1-11	1-11	55	47
A5HBG2016		1 1/4-11	1-11	54	51
A5HBG2020		1 1/4-11	1 1/4-11	59	57
A5HBG2420		1 1/2-11	1 1/4-11	58	57
A5HBG2424		1 1/2-11	1 1/2-11	63	63
A5HBG3224		2-11	1 1/2-11	38	70
A5HBG3232		2-11	2-11	67	76



(A) Thread Specs: [Reference Tables, page 194](#)

(B) Thread Specs: [Reference Tables, page 197](#)

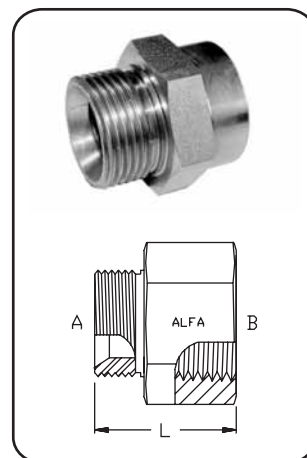
Bonded Seal (BSPP): [Reference Tables, page 188](#)

- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS

BSPP X NPTF

Part Number	R.R. Price	BSPP A	NPTF B	L	Hex A/F
A5HBN0404		1/4-19	1/4-18	36	22
A5HBN0604		3/8-19	1/4-18	34	22
A5HBN0606		3/8-19	3/8-18	38	25
A5HBN0806		1/2-14	3/8-18	37	27
A5HBN0808		1/2-14	1/2-14	46	32
A5HBN1208		3/4-14	1/2-14	45	33
A5HBN1212		3/4-14	3/4-14	48	35
A5HBN1612		1-11	3/4-14	47	41
A5HBN1616		1-11	1-11.5	55	47
A5HBN2016		1 1/4-11	1-11.5	54	51
A5HBN2020		1 1/4-11	1 1/4-11.5	59	57
A5HBN2420		1 1/2-11	1 1/4-11.5	58	57
A5HBN2424		1 1/2-11	1 1/2-11.5	62	63
A5HBN3224		2-11	1 1/2-11.5	38	70
A5HBN3232		2-11	2-11.5	67	76



(A) Thread Specs: [Reference Tables, page 194](#)

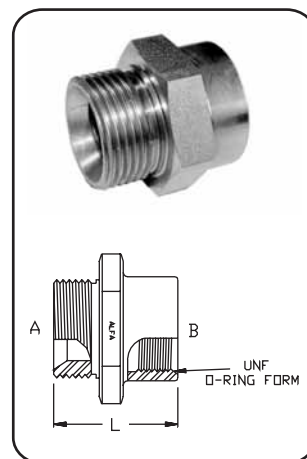
(B) Thread Specs: [Reference Tables, page 198](#)

Bonded Seal (BSPP): [Reference Tables, page 188](#)

- **Stainless (316)** Change 1st Letter from A to S

BSPP X UNF-O

Part Number	R.R. Price	BSPP A	UN-OF B	L	Hex A/F
A5HBU0409		1/4-19	9/16-18	32	22
A5HBU0609		3/8-19	9/16-18	30	22
A5HBU0809		1/2-14	9/16-18	32	27
A5HBU0812		1/2-14	3/4-16	39	32
A5HBU1212		3/4-14	3/4-16	38	33
A5HBU1217		3/4-14	1 1/16-12	46	41
A5HBU1617		1-11	1 1/16-12	45	41
A5HBU1621		1-11	1 5/16-12	47	47
A5HBU2021		1 1/4-11	1 5/16-12	46	51
A5HBU2026		1 1/4-11	1 5/8-12	50	57
A5HBU2030		1 1/4-11	1 7/8-12	51	63
A5HBU2426		1 1/2-11	1 5/8-12	49	57
A5HBU2430		1 1/2-11	1 7/8-12	53	63
A5HBU3226		2-11	1 5/8-12	42	64
A5HBU3230		2-11	1 7/8-12	52	70



(A) Thread Specs: [Reference Tables, page 194](#)

(B) Thread Specs: [Reference Tables, page 200](#)

Bonded Seal (BSPP): [Reference Tables, page 188](#)

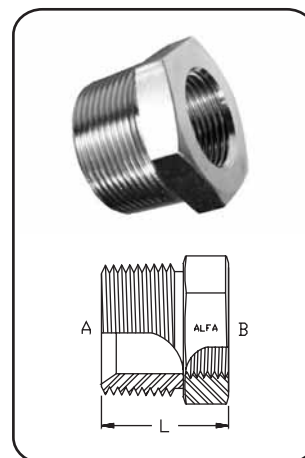
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



BSPT X BSPPF

Part Number	R.R. Price	BSPT A	BSPPF B	L	Hex A/F
A5HGB0404		1/4-19	1/4-19	35	22
A5HGB0604		3/8-19	1/4-19	35	22
A5HGB0606		3/8-19	3/8-19	36	27
A5HGB0804		1/2-14	1/4-19	40	25
A5HGB0806		1/2-14	3/8-19	41	27
A5HGB0808		1/2-14	1/2-14	43	33
A5HGB1206		3/4-14	3/8-19	41	32
A5HGB1208		3/4-14	1/2-14	43	33
A5HGB1212		3/4-14	3/4-14	45	38
A5HGB1608		1-11	1/2-14	37	38
A5HGB1612		1-11	3/4-14	50	38
A5HGB1616		1-11	1-11	53	47
A5HGB2012		1 1/4-11	3/4-14	39	47
A5HGB2016		1 1/4-11	1-11	54	47
A5HGB2020		1 1/4-11	1 1/4-11	56	57
A5HGB2416		1 1/2-11	1-11	39	51
A5HGB2420		1 1/2-11	1 1/4-11	56	57
A5HGB2424		1 1/2-11	1 1/2-11	58	63
A5HGB3220		2-11	1 1/4-11	43	63
A5HGB3224		2-11	1 1/2-11	60	63
A5HGB3232		2-11	2-11	63	77



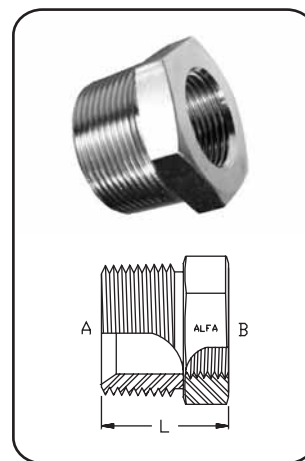
(A) Thread Specs: [Reference Tables, page 197](#)

(B) Thread Specs: [Reference Tables, page 194](#)

- **Stainless (316)** Change 1st Letter from A to S

BSPT X BSPTF

Part Number	R.R. Price	BSPT A	BSPTF B	L	Hex A/F
A5HGG0402		1/4-19	1/8-28	32	16
A5HGG0604		3/8-19	1/4-19	39	22
A5HGG0804		1/2-14	1/4-19	44	25
A5HGG0806		1/2-14	3/8-19	44	25
A5HGG1204		3/4-14	1/4-19	32	32
A5HGG1206		3/4-14	3/8-19	32	32
A5HGG1208		3/4-14	1/2-14	49	32
A5HGG1608		1-11	1/2-14	37	38
A5HGG1612		1-11	3/4-14	55	38
A5HGG2008		1 1/4-11	1/2-14	39	47
A5HGG2012		1 1/4-11	3/4-14	39	47
A5HGG2016		1 1/4-11	1-11	61	47
A5HGG2408		1 1/2-11	1/2-14	39	51
A5HGG2412		1 1/2-11	3/4-14	39	51
A5HGG2416		1 1/2-11	1-11	39	51
A5HGG2420		1 1/2-11	1 1/4-11	63	57
A5HGG3208		2-11	1/2-14	43	63
A5HGG3216		2-11	1-11	43	63
A5HGG3220		2-11	1 1/4-11	43	63
A5HGG3224		2-11	1 1/2-11	43	63
A5HGG4016		2 1/2-11	1-11	49	71
A5HGG4024		2 1/2-11	1 1/2-11	49	71
A5HGG4032		2 1/2-11	2-11	46	80
A5HGG4832		3-11	2-11	51	83
A5HGG4840		3-11	2 1/2-11	77	93
A5HGG6432		4-11	2-11	55	106
A5HGG6440		4-11	2 1/2-11	55	106
A5HGG6448		4-11	3-11	52	118



(A) Thread Specs: [Reference Tables, page 197](#)

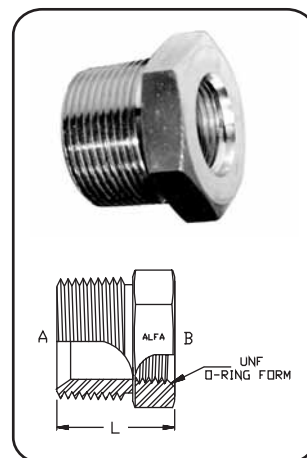
(B) Thread Specs: [Reference Tables, page 197](#)

- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS

BSPT X UNF-O

Part Number	R.R. Price	BSPT A	UN-OF B	L	Hex A/F
A5HGU0409		1/4-19	9/16-18	34	22
A5HGU0609		3/8-19	9/16-18	34	22
A5HGU0809		1/2-14	9/16-18	39	25
A5HGU0812		1/2-14	3/4-16	43	32
A5HGU1212		3/4-14	3/4-16	43	32
A5HGU1217		3/4-14	1 1/16-12	48	41
A5HGU1617		1-11	1 1/16-12	53	41
A5HGU1621		1-11	1 5/16-12	52	47
A5HGU2021		1 1/4-11	1 5/16-12	53	47
A5HGU2026		1 1/4-11	1 5/8-12	54	57
A5HGU2030		1 1/4-11	1 7/8-12	55	63
A5HGU2426		1 1/2-11	1 5/8-12	54	57
A5HGU2430		1 1/2-11	1 7/8-12	55	63
A5HGU3226		2-11	1 5/8-12	43	63
A5HGU3230		2-11	1 7/8-12	57	63



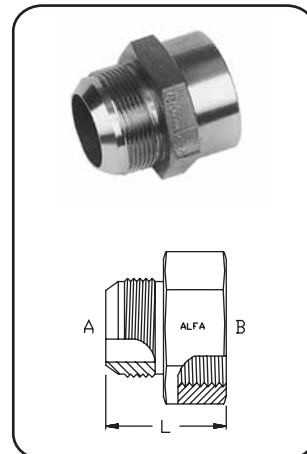
(A) Thread Specs: [Reference Tables, page 197](#)

(B) Thread Specs: [Reference Tables, page 200](#)

- **Stainless (316)** Change 1st Letter from A to S

JIC X BSPPF

Part Number	R.R. Price	JIC A	BSPPF B	L	Hex A/F
A5HJB0904		9/16-18	1/4-19	33.1	22
A5HJB1204		3/4-16	1/4-19	35.7	22
A5HJB1206		3/4-16	3/8-19	36.7	27
A5HJB1406		7/8-14	3/8-19	39.3	27
A5HJB1408		7/8-14	1/2-14	41.3	33
A5HJB1708		1 1/16-12	1/2-14	43.9	33
A5HJB1712		1 1/16-12	3/4-14	45.9	38
A5HJB2112		1 5/16-12	3/4-14	47.1	38
A5HJB2116		1 5/16-12	1-11	50.1	47
A5HJB2616		1 5/8-12	1-11	51.3	47
A5HJB2620		1 5/8-12	1 1/4-11	53.3	57
A5HJB3020		1 7/8-12	1 1/4-11	56.5	57
A5HJB3024		1 7/8-12	1 1/2-11	58.5	63
A5HJB4024		2 1/2-12	1 1/2-11	64.9	70
A5HJB4032		2 1/2-12	2-11	67.9	77



(A) Thread Specs: [Reference Tables, page 198](#)

(B) Thread Specs: [Reference Tables, page 194](#)

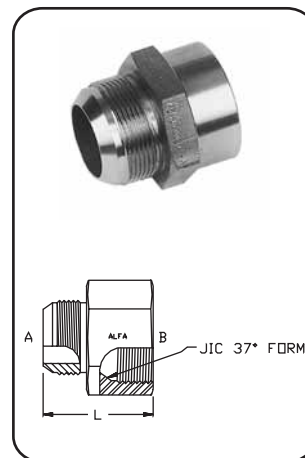
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



JIC X JICF

Part Number	R.R. Price	JIC A	JICF B	L	Hex A/F
A5HJJ0706		7/16-20	3/8-24	25.4	13
A5HJJ0709		7/16-20	9/16-18	33.6	19
A5HJJ0907		9/16-18	7/16-20	29.1	16
A5HJJ0912		9/16-18	3/4-16	31.8	22
A5HJJ0914		9/16-18	7/8-14	34.4	25
A5HJJ0917		9/16-18	1 1/16-12	38.0	32
A5HJJ1207		3/4-16	7/16-20	31.7	22
A5HJJ1209		3/4-16	9/16-18	31.8	22
A5HJJ1214		3/4-16	7/8-14	37.0	25
A5HJJ1217		3/4-16	1 1/16-12	40.6	32
A5HJJ1221		3/4-16	1 5/16-12	41.8	38
A5HJJ1412		7/8-14	3/4-16	37.0	25
A5HJJ1417		7/8-14	1 1/16-12	43.2	32
A5HJJ1712		1 1/16-12	3/4-16	39.6	32
A5HJJ1714		1 1/16-12	7/8-14	42.2	32
A5HJJ1721		1 1/16-12	1 5/16-12	47.0	38
A5HJJ1726		1 1/16-12	1 5/8-12	50.2	51
A5HJJ2112		1 5/16-12	3/4-16	34.1	38
A5HJJ2117		1 5/16-12	1 1/16-12	47.0	38
A5HJJ2126		1 5/16-12	1 5/8-12	51.4	51
A5HJJ2130		1 5/16-12	1 7/8-12	54.6	57
A5HJJ2617		1 5/8-12	1 1/16-12	36.3	47
A5HJJ2621		1 5/8-12	1 5/16-12	49.4	47
A5HJJ2630		1 5/8-12	1 7/8-12	55.8	57
A5HJJ2640		1 5/8-12	2 1/2-12	62.2	74
A5HJJ3017		1 7/8-12	1 1/16-12	39.5	51
A5HJJ3021		1 7/8-12	1 5/16-12	52.6	51
A5HJJ3026		1 7/8-12	1 5/8-12	55.8	51
A5HJJ3040		1 7/8-12	2 1/2-12	65.4	74
A5HJJ4026		2 1/2-12	1 5/8-12	50.9	70
A5HJJ4030		2 1/2-12	1 7/8-12	72.3	70



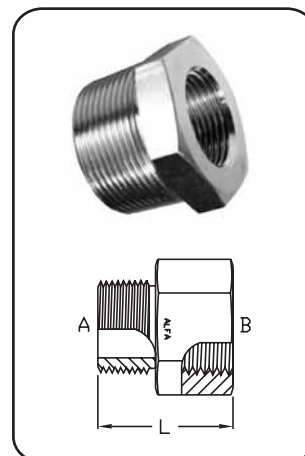
(A) Thread Specs: [Reference Tables, page 198](#)

(B) Thread Specs: [Reference Tables, page 199](#)

- **Stainless (316)** Change 1st Letter from A to S

NPT X BSPTF

Part Number	R.R. Price	NPT A	BSPTF B	L	Hex A/F
A5HNG0404		1/4-18	1/4-19	39	22
A5HNG0606		3/8-18	3/8-19	39	25
A5HNG0804		1/2-14	1/4-19	44	25
A5HNG0808		1/2-14	1/2-14	49	32
A5HNG1208		3/4-14	1/2-14	49	32
A5HNG1212		3/4-14	3/4-14	50	35
A5HNG1608		1-11.5	1/2-14	37	38
A5HNG1612		1-11.5	3/4-14	55	38
A5HNG1616		1-11.5	1-11	60	47
A5HNG2012		1 1/4-11.5	3/4-14	39	47
A5HNG2016		1 1/4-11.5	1-11	61	47
A5HNG2020		1 1/4-11.5	1 1/4-11	63	57
A5HNG2412		1 1/2-11.5	3/4-14	39	51
A5HNG2416		1 1/2-11.5	1-11	39	51
A5HNG2420		1 1/2-11.5	1 1/4-11	63	57
A5HNG2424		1 1/2-11.5	1 1/2-11	65	63
A5HNG3216		2-11.5	1-11	43	63
A5HNG3224		2-11.5	1 1/2-11	43	63
A5HNG3232		2-11.5	2-11	69	76
A5HNG4024		2 1/2-8	1 1/2-11	49	69
A5HNG4032		2 1/2-8	2-11	46	78
A5HNG4040		2 1/2-8	2 1/2-11	75	91
A5HNG4832		3-8	2-11	51	83
A5HNG4840		3-8	2 1/2-11	77	93
A5HNG4848		3-8	3-11	79	104



(A) Thread Specs: [Reference Tables, page 198](#)

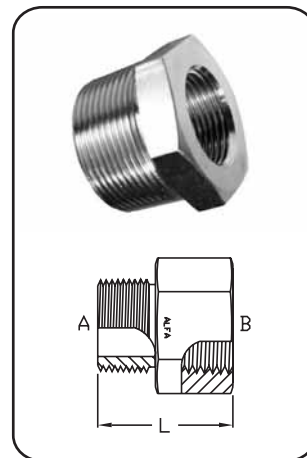
(B) Thread Specs: [Reference Tables, page 197](#)

- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS

NPT X NPTF

Part Number	R.R. Price	NPT A	NPTF B	L	Hex A/F
A5HNN0604		3/8-18	1/4-18	38	22
A5HNN0804		1/2-14	1/4-18	43	25
A5HNN0806		1/2-14	3/8-18	44	25
A5HNN1204		3/4-14	1/4-18	32	32
A5HNN1206		3/4-14	3/8-18	32	32
A5HNN1208		3/4-14	1/2-14	50	32
A5HNN1608		1-11.5	1/2-14	37	38
A5HNN1612		1-11.5	3/4-14	55	38
A5HNN2008		1 1/4-11.5	1/2-14	39	47
A5HNN2012		1 1/4-11.5	3/4-14	39	47
A5HNN2016		1 1/4-11.5	1-11.5	61	47
A5HNN2408		1 1/2-11.5	1/2-14	39	51
A5HNN2412		1 1/2-11.5	3/4-14	39	51
A5HNN2416		1 1/2-11.5	1-11.5	39	51
A5HNN2420		1 1/2-11.5	1 1/4-11.5	63	57
A5HNN3208		2-11.5	1/2-14	43	63
A5HNN3216		2-11.5	1-11.5	43	63
A5HNN3220		2-11.5	1 1/4-11.5	43	63
A5HNN3224		2-11.5	1 1/2-11.5	43	63
A5HNN4016		2 1/2-8	1-11.5	49	69
A5HNN4024		2 1/2-8	1 1/2-11.5	49	69
A5HNN4032		2 1/2-8	2-11.5	46	78
A5HNN4832		3-8	2-11.5	51	83
A5HNN4840		3-8	2 1/2-8	48	93
A5HNN6432		4-8	2-11.5	55	106
A5HNN6440		4-8	2 1/2-8	55	106
A5HNN6448		4-8	3-8	55	106



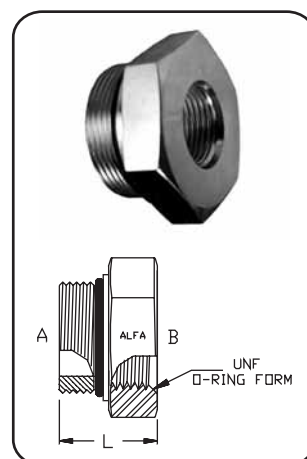
(A) Thread Specs: [Reference Tables, page 198](#)

(B) Thread Specs: [Reference Tables, page 198](#)

- **Stainless (316)** Change 1st Letter from A to S

UN-O X UNF-O

Part Number	R.R. Price	UN-O A	UNF-O B	L	Hex A/F	UN-O O-Ring
A5HUU1207		3/4-16	7/16-20	32.1	25	A9SUN12
A5HUU1209		3/4-16	9/16-18	32.1	25	A9SUN12
A5HUU1712		1 1/16-12	3/4-16	40.1	32	A9SUN17
A5HUU2117		1 5/16-12	1 1/16-12	45.1	41	A9SUN21
A5HUU2617		1 5/8-12	1 1/16-12	30.1	51	A9SUN26
A5HUU2621		1 5/8-12	1 5/16-12	44.1	51	A9SUN26
A5HUU3017		1 7/8-12	1 1/16-12	32.1	57	A9SUN30
A5HUU3021		1 7/8-12	1 5/16-12	44.1	57	A9SUN30
A5HUU3026		1 7/8-12	1 5/8-12	45.1	57	A9SUN30
A5HUU4030		2 1/2-12	1 7/8-12	46.1	70	A9SUN40



(A) Thread Specs: [Reference Tables, page 199](#)

(B) Thread Specs: [Reference Tables, page 200](#)

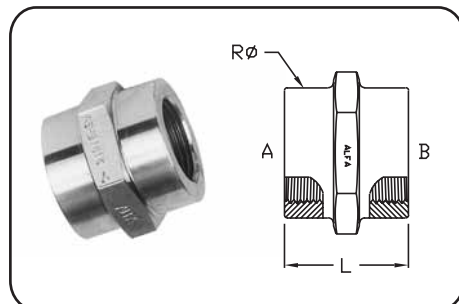
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



SOCKET - BSPPF X BSPPF

Part Number	R.R. Price	BSPPF A	BSPPF B	L	Hex A/F
A5FBB0404		1/4-19	1/4-19	28	25
A5FBB0606		3/8-19	3/8-19	28	32
A5FBB0808		1/2-14	1/2-14	32	35
A5FBB1212		3/4-14	3/4-14	36	41
A5FBB1616		1-11	1-11	40	47
A5FBB2020		1 1/4-11	1 1/4-11	44	57
A5FBB2424		1 1/2-11	1 1/2-11	48	63
A5FBB3232		2-11	2-11	52	77
A5FBB4040		2 1/2-11	2 1/2-11	56	93
A5FBB4848		3-11	3-11	60	106

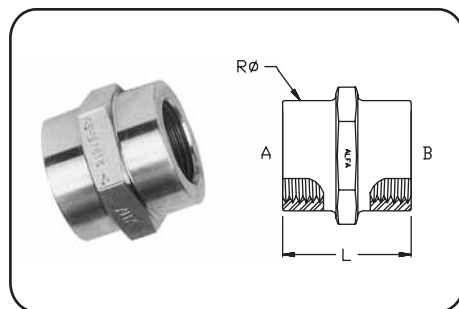


Thread Specs: [Reference Tables, page 194](#)

- **Stainless** (316) Change 1st Letter from A to S

SOCKET - BSPTF X BSPTF

Part Number	R.R. Price	BSPTF A	BSPTF B	L	Hex A/F
A5FGG0202		1/8-28	1/8-28	24	16
A5FGG0404		1/4-19	1/4-19	36	22
A5FGG0606		3/8-19	3/8-19	36	25
A5FGG0808		1/2-14	1/2-14	46	32
A5FGG1212		3/4-14	3/4-14	46	35
A5FGG1616		1-11	1-11	56	47
A5FGG2020		1 1/4-11	1 1/4-11	58	57
A5FGG2424		1 1/2-11	1 1/2-11	58	63
A5FGG3232		2-11	2-11	62	76
A5FGG4040		2 1/2-11	2 1/2-11	68	91
A5FGG4848		3-11	3-11	72	104

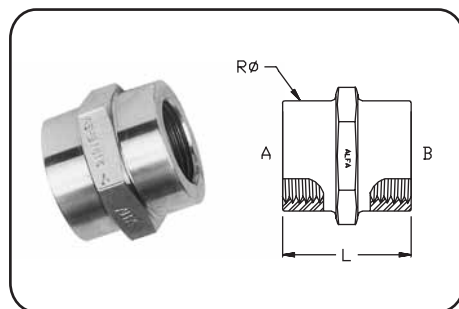


Thread Specs: [Reference Tables, page 197](#)

- **Stainless** (316) Change 1st Letter from A to S

SOCKET - NPTF X NPTF

Part Number	R.R. Price	NPTF A	NPTF B	L	Hex A/F
A5FNN0404		1/4-18	1/4-18	34	22
A5FNN0606		3/8-18	3/8-18	36	27
A5FNN0808		1/2-14	1/2-14	46	32
A5FNN1212		3/4-14	3/4-14	46	38
A5FNN1616		1-11.5	1-11.5	56	47
A5FNN2020		1 1/4-11.5	1 1/4-11.5	58	57
A5FNN2424		1 1/2-11.5	1 1/2-11.5	58	63
A5FNN3232		2-11.5	2-11.5	62	76
A5FNN4040		2 1/2-8	2 1/2-8	68	81
A5FNN4848		3-8	3-8	72	102



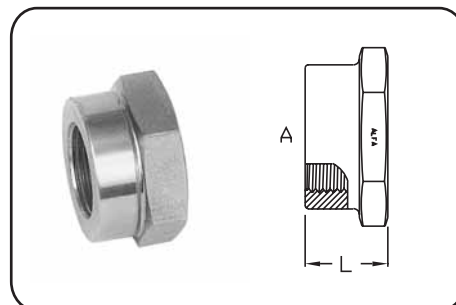
Thread Specs: [Reference Tables, page 198](#)

- **Stainless** (316) Change 1st Letter from A to S

THREADED ADAPTORS

NUT - CAP - BSPPF

Part Number	R.R. Price	BSPPF A	L	Hex A/F
A5NCB04		1/4-19	19	22
A5NCB06		3/8-19	20	27
A5NCB08		1/2-14	22	33
A5NCB12		3/4-14	24	38
A5NCB16		1-11	27	47
A5NCB20		1 1/4-11	29	57
A5NCB24		1 1/2-11	31	63
A5NCB32		2-11	48	68
A5NCB40		2 1/2-11	50	83
A5NCB48		3-11	53	95

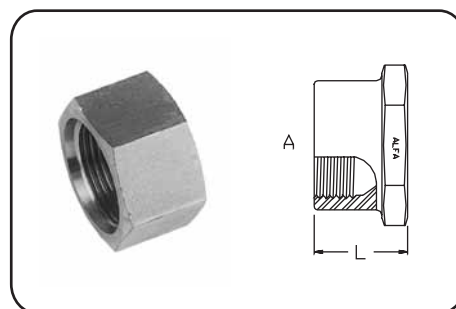


Thread Specs: [Reference Tables, page 194](#)

- **Stainless** (316) Change 1st Letter from A to S

NUT - CAP - JICF

Part Number	R.R. Price	JICF A	L	Hex A/F
A5NCJ07		7/16-20	18.0	13
A5NCJ09		9/16-18	18.1	16
A5NCJ12		3/4-16	20.7	20
A5NCJ14		7/8-14	23.3	23
A5NCJ17		1 1/16-12	25.9	29
A5NCJ21		1 5/16-12	27.1	35
A5NCJ26		1 5/8-12	30.3	46
A5NCJ30		1 7/8-12	33.5	52
A5NCJ40		2 1/2-12	39.9	66
A5NCJ48		3 IN-12	40.0	78

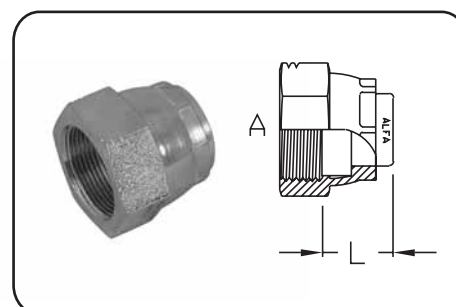


Thread Specs: [Reference Tables, page 199](#)

- **Stainless** (316) Change 1st Letter from A to S

NUT - CAP JIS METRIC 60° (KOMATSU FORM)

Part Number	R.R. Price	JIS A	L	Hex A/F
A5NCK12		M12-1.5	14.5	16
A5NCK14		M14-1.5	15.5	19
A5NCK16		M16-1.5	14.5	22
A5NCK18		M18-1.5	15.5	25
A5NCK20		M20-1.5	16.5	25
A5NCK22		M22-1.5	18.5	27
A5NCK24		M24-1.5	19.5	32
A5NCK30		M30-1.5	22.5	38
A5NCK33		M33-1.5	23.5	41
A5NCK36		M36-1.5	24.5	47
A5NCK42		M42-1.5	28.5	51



Thread Specs: [Reference Tables, page 201](#)

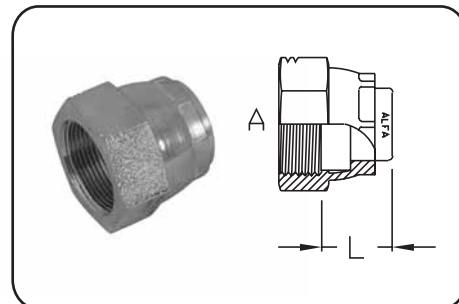
- **Stainless** (316) Change 1st Letter from A to S

THREADED ADAPTORS



NUT - CAP JIS BSPP 60°

Part Number	R.R. Price	BSPP (60°) A	L	Hex A/F
A5NCL04		1/4-19	15.5	19
A5NCL06		3/8-19	15.5	22
A5NCL08		1/2-14	17.5	27
A5NCL12		3/4-14	20.5	33
A5NCL16		1-11	23.5	41
A5NCL20		1 1/4-11	28.5	51
A5NCL24		1 1/2-11	30.5	57

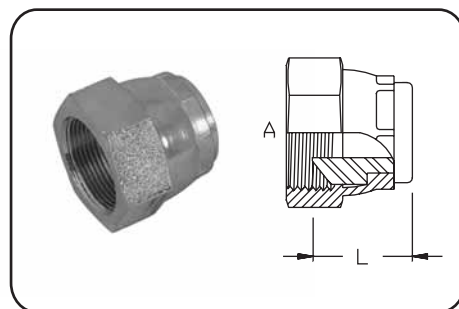


Thread Specs: [Reference Tables, page 201](#)

- **Stainless** (316) Change 1st Letter from A to S

NUT - CAP - METRIC COMPRESSION 24°

Part Number	R.R. Price	Metric/F A	L	Hex A/F
A5NCMC12-06		M12-1.5	13.4	16
A5NCMC14-06		M14-1.5	12.6	19
A5NCMC16-08		M16-1.5	12.5	22
A5NCMC18-10		M18-1.5	14.0	22
A5NCMC20-12		M20-1.5	15.9	25
A5NCMC22-14		M22-1.5	15.9	27
A5NCMC24-16		M24-1.5	19.4	32
A5NCMC26-18		M26-1.5	25.0	33
A5NCMC30-20		M30-2	25.8	38
A5NCMC30-22-1.5		M30-1.5	26.0	38
A5NCMC36-25		M36-2	27.6	47
A5NCMC42-30		M42-2	29.5	51
A5NCMC45-35		M45-2	35.8	57
A5NCMC52-38		M52-2	32.6	63

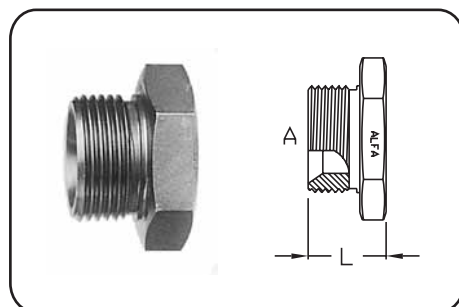


Thread Specs: [Reference Tables, page 201](#)

- **Stainless** (316) Change 1st Letter from A to S

PLUG BSPP

Part Number	R.R. Price	BSPP A	L	Hex A/F
A5PB02		1/8-28	18	16
A5PB04		1/4-19	20	19
A5PB06		3/8-19	20	22
A5PB08		1/2-14	22	27
A5PB12		3/4-14	27	33
A5PB16		1-11	30	41
A5PB20		1 1/4-11	32	51
A5PB24		1 1/2-11	36	57
A5PB32		2-11	42	64



Thread Specs: [Reference Tables, page 194](#)

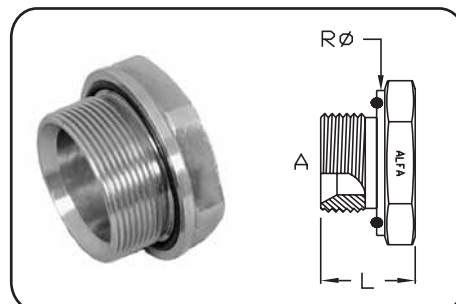
For solid plugs add (-s) to part number e.g. **A5PB16-S**

- **Stainless** (316) Change 1st Letter from A to S

THREADED ADAPTORS

PLUG BSPP - ENC O-RING - HEX HEAD

Part Number	R.R. Price	BSPP A	L	Boss-Ø R - A	Hex A/F
A5PBE04		1/4-19	24	22	20
A5PBE06		3/8-19	24	27	25
A5PBE08		1/2-14	29	33	30
A5PBE12		3/4-14	31	38	35
A5PBE16		1-11	34	46	42
A5PBE20		1 1/4-11	37	55	50
A5PBE24		1 1/2-11	41	61	56
A5PBE32		2-11	43	75	68
A5PBE40		2 1/2-11	45	91	83
A5PBE48		3-11	47	104	95

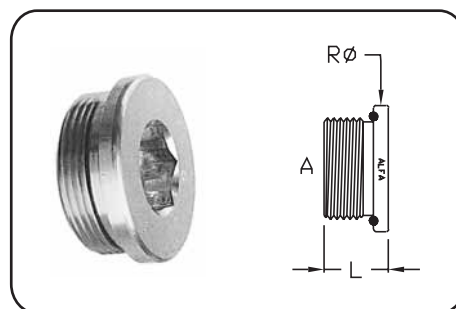


Thread Specs: [Reference Tables, page 194](#)

- **Stainless (316)** Change 1st Letter from A to S

PLUG BSPP - ENC O-RING - ALLEN KEY DRIVE

Part Number	R.R. Price	BSPP A	L	Boss-Ø R - A	Hex A/F	O-Ring A
A5PBR02		1/8-28	16	19	4	A9SRB02
A5PBR04		1/4-19	18	22	6	A9SRB04
A5PBR06		3/8-19	18	27	8	A9SRB06
A5PBR08		1/2-14	20	33	10	A9SRB08
A5PBR12		3/4-14	22	38	14	A9SRB12
A5PBR16		1-11	26	46	17	A9SRB16
A5PBR20		1 1/4-11	28	55	19	A9SRB20
A5PBR24		1 1/2-11	30	61	24	A9SRB24
A5PBR32		2-11	32	75	24	A9SRB32
A5PBR40		2 1/2-11	34	91	24	A9SRB40

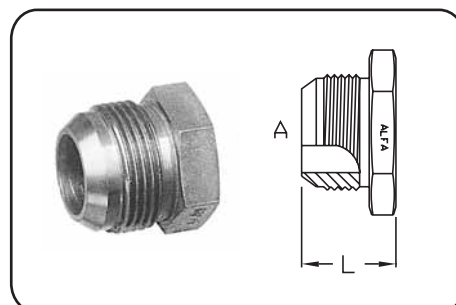


Thread Specs: [Reference Tables, page 194](#)

- **Stainless (316)** Change 1st Letter from A to S

PLUG JIC

Part Number	R.R. Price	JIC A	L	Hex A/F
A5PJ07		7/16-20	22.0	13
A5PJ09		9/16-18	22.1	16
A5PJ12		3/4-16	24.7	22
A5PJ14		7/8-14	27.3	25
A5PJ17		1 1/16-12	32.9	32
A5PJ21		1 5/16-12	34.1	38
A5PJ26		1 5/8-12	36.3	47
A5PJ30		1 7/8-12	39.5	51
A5PJ40		2 1/2-12	47.9	70
A5PJ48		3 IN-12	51.0	72



Thread Specs: [Reference Tables, page 198](#)

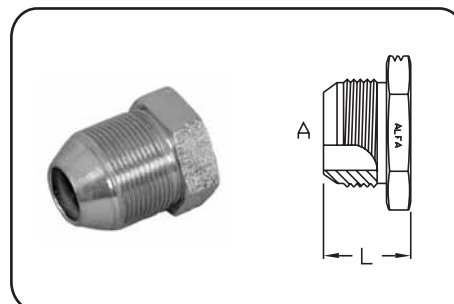
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



PLUG JIS METRIC 60° (KOMATSU FORM)

Part Number	R.R. Price	JIS A	L	Hex A/F
A5PK12		M12-1.5	22.0	16
A5PK14		M14-1.5	22.3	16
A5PK16		M16-1.5	24.0	19
A5PK18		M18-1.5	24.5	22
A5PK20		M20-1.5	27.0	22
A5PK22		M22-1.5	27.1	25
A5PK24		M24-1.5	29.6	27
A5PK30		M30-1.5	38.0	32
A5PK33		M33-1.5	40.4	35
A5PK36		M36-1.5	38.8	38
A5PK42		M42-1.5	47.9	47

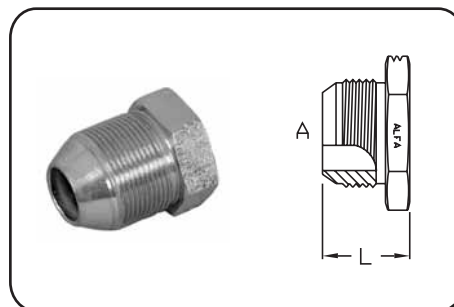


Thread Specs: [Reference Tables, page 201](#)

- **Stainless (316)** Change 1st Letter from A to S

PLUG JIS BSPP 60°

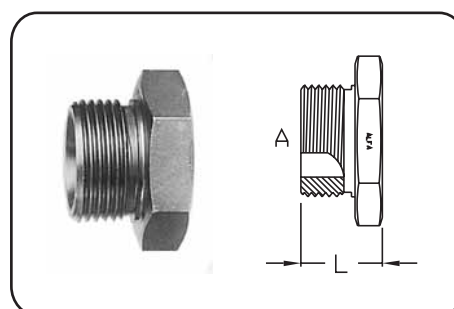
Part Number	R.R. Price	JIS A	L	Hex A/F
A5PL04		1/4-19	24.5	16
A5PL06		3/8-19	25.9	19
A5PL08		1/2-14	27.6	25
A5PL12		3/4-14	33.1	32
A5PL16		1-11	36.1	38
A5PL20		1 1/4-11	41.4	47
A5PL24		1 1/2-11	40.7	51



- **Stainless (316)** Change 1st Letter from A to S

PLUG METRIC

Part Number	R.R. Price	Metric A	L	Hex A/F
A5PM10		M10-1.0	16	16
A5PM12		M12-1.5	18	19
A5PM14		M14-1.5	20	22
A5PM16		M16-1.5	20	22
A5PM18		M18-1.5	20	25
A5PM20		M20-1.5	20	27
A5PM22		M22-1.5	25	32
A5PM24		M24-1.5	25	32
A5PM26		M26-1.5	23	33
A5PM27		M27-2.0	27	35
A5PM28		M28-1.5	27	35
A5PM30		M30-2.0	27	38
A5PM30-1.5		M30-1.5	27	38
A5PM33		M33-2.0	30	41
A5PM36		M36-2.0	30	47
A5PM42		M42-2.0	32	51



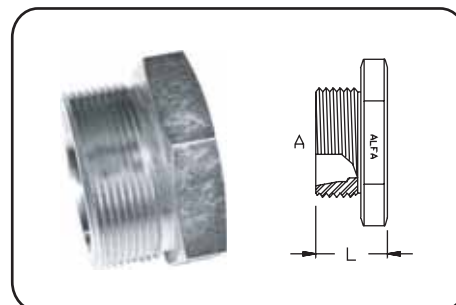
Thread Specs: [Reference Tables, page 195](#)
Bonded Seal (Metric): [Reference Tables, page 189](#)

- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS

PLUG METRIC COMPRESSION 24°

Part Number	R.R. Price	Metric A	L	Hex A/F
A5PMC12-06		M12-1.5	18	16
A5PMC14-06		M14-1.5	20	16
A5PMC16-08		M16-1.5	20	19
A5PMC18-10		M18-1.5	20	22
A5PMC20-12		M20-1.5	20	22
A5PMC22-14		M22-1.5	22	25
A5PMC24-16		M24-1.5	22	27
A5PMC26-18		M26-1.5	23	32
A5PMC30-20		M30-2	27	32
A5PMC30-22-1.5		M30-1.5	25	32
A5PMC36-25		M36-2	29	38
A5PMC42-30		M42-2	32	47
A5PMC45-35		M45-2	28	47
A5PMC52-38		M52-2	36	57

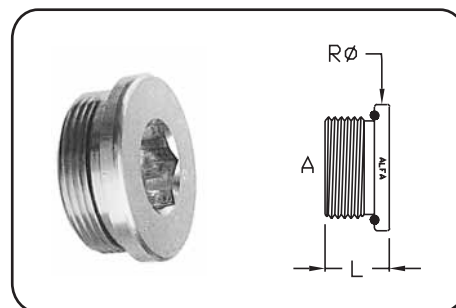


Thread Specs: [Reference Tables, page 196](#)

- **Stainless (316)** Change 1st Letter from A to S

PLUG METRIC - ENC O-RING - ALLEN KEY DRIVE

Part Number	R.R. Price	Metric A	L	Boss-Ø R - A	Hex A/F	O-Ring A
A5PMR10		M10-1.0	14	19	3	A9SRM10
A5PMR12		M12-1.5	16	21	4	A9SRM12
A5PMR14		M14-1.5	18	23	4	A9SRM14
A5PMR16		M16-1.5	18	26	5	A9SRM16
A5PMR18		M18-1.5	18	28	6	A9SRM18
A5PMR20		M20-1.5	18	30	8	A9SRM20
A5PMR22		M22-1.5	20	34	8	A9SRM22
A5PMR24		M24-1.5	20	36	10	A9SRM24
A5PMR26		M26-1.5	18	38	12	A9SRM26
A5PMR27		M27-2.0	22	39	14	A9SRM27
A5PMR28		M28-1.5	24	40	14	A9SRM28
A5PMR30		M30-2.0	24	42	14	A9SRM30
A5PMR33		M33-2.0	26	46	17	A9SRM33
A5PMR36		M36-2.0	26	49	17	A9SRM36
A5PMR42		M42-2.0	28	55	19	A9SRM42
A5PMR48		M48-2.0	30	61	24	A9SRM48

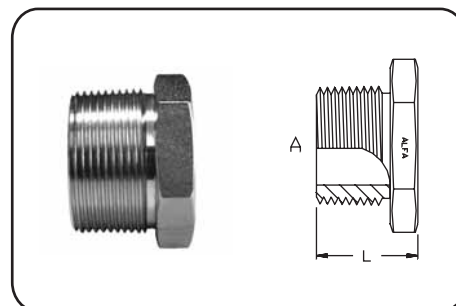


Thread Specs: [Reference Tables, page 195](#)

- **Stainless (316)** Change 1st Letter from A to S

PLUG NPT

Part Number	R.R. Price	NPT A	L	Hex A/F
A5PN04		1/4-18	24	16
A5PN06		3/8-18	24	22
A5PN08		1/2-14	29	25
A5PN12		3/4-14	32	32
A5PN16		1-11.5	37	38
A5PN20		1 1/4-11.5	39	47
A5PN24		1 1/2-11.5	39	51
A5PN32		2-11.5	43	63
A5PN40		2 1/2-8	49	69
A5PN48		3-8	51	83



Thread Specs: [Reference Tables, page 198](#)

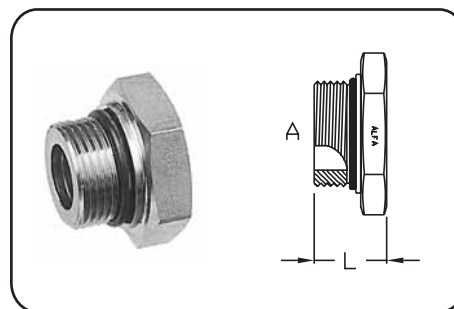
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



PLUG UN-O

Part Number	R.R. Price	UN-O A	L	Hex A/F	UN-O O-Ring
A5PU07		7/16-20	19.1	16	A9SUN07
A5PU09		9/16-18	19.9	19	A9SUN09
A5PU12		3/4-16	22.1	25	A9SUN12
A5PU14		7/8-14	23.7	27	A9SUN14
A5PU17		1 1/16-12	29.1	32	A9SUN17
A5PU19		1 3/16-12	29.1	35	A9SUN19
A5PU21		1 5/16-12	30.1	41	A9SUN21
A5PU26		1 5/8-12	30.1	51	A9SUN26
A5PU30		1 7/8-12	32.1	57	A9SUN30
A5PU40		2 1/2-12	32.1	70	A9SUN40

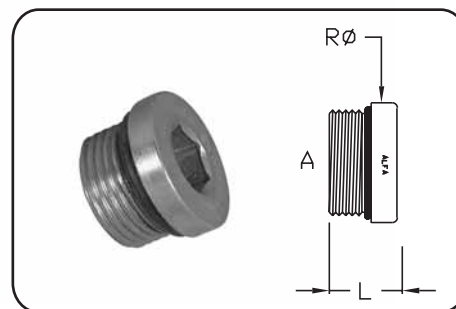


Thread Specs: [Reference Tables, page 199](#)

- Stainless (316) Change 1st Letter from A to S

PLUG UN-O ALLEN KEY DRIVE

Part Number	R.R. Price	UN-O A	L	Boss-Ø R - A	Hex A/F	O-Ring A
A5PUR05		5/16-24	13.6	12	3	A9SUN05
A5PUR07		7/16-20	15.1	15	5	A9SUN07
A5PUR08		1/2-20	15.1	16	6	A9SUN08
A5PUR09		9/16-18	15.9	18	6	A9SUN09
A5PUR12		3/4-16	17.1	23	8	A9SUN12
A5PUR14		7/8-14	18.7	26	10	A9SUN14
A5PUR17		1 1/16-12	21.1	32	12	A9SUN17
A5PUR19		1 3/16-12	21.1	35	14	A9SUN19
A5PUR21		1 5/16-12	21.1	39	17	A9SUN21
A5PUR26		1 5/8-12	23.1	48	19	A9SUN26
A5PUR30		1 7/8-12	23.1	54	24	A9SUN30

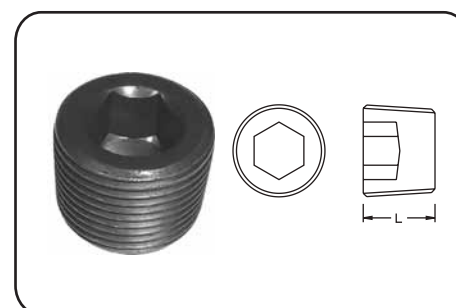


Thread Specs: [Reference Tables, page 199](#)

- Stainless (316) Change 1st Letter from A to S

PLUG BSPT ALLEN KEY DRIVE

Part Number	R.R. Price	BSPT A	L	Hex A/F
A5PGR02		1/8-28	9.5	3/16
A5PGR04		1/4-19	12.7	1/4
A5PGR06		3/8-19	14.3	5/16
A5PGR08		1/2-14	17.5	3/8
A5PGR12		3/4-14	20.6	9/16
A5PGR16		1-11	25.4	5/8
A5PGR20		1 1/4-11	31.8	3/4
A5PGR24		1 1/2-11	31.8	3/4



Thread Specs: [Reference Tables, page 197](#)

THREADED ADAPTORS

TEE - BSPP MALE X BSPPF SWIVEL X BSPTF

Part Number	R.R. Price	BSPP W	BSPPF E	BSPTF S	L	Hex A/F	Swivel Nut Hex A/F
A5TBG0402		1/4-19	1/4-19	1/8-28	50.5	25	16
A5TBG0602		3/8-19	3/8-19	1/8-28	51.5	25	19
A5TBG0802		1/2-14	1/2-14	1/8-28	56.5	27	22
A5TBG1202		3/4-14	3/4-14	1/8-28	62.5	33	27
A5TBG1602		1-11	1-11	1/8-28	68.5	41	33
A5TBG2002		1 1/4-11	1 1/4-11	1/8-28	77.5	51	47
A5TBG2402		1 1/2-11	1 1/2-11	1/8-28	80.5	57	47

(A) Thread Specs: [Reference Tables, page 194](#)

(B) Thread Specs: [Reference Tables, page 194](#)

- **Stainless (316)** Change 1st Letter from A to S

TEE - JIC X JICF SWIVEL X BSPTF

Part Number	R.R. Price	JIC W	JICF E	BSPTF S	L	Hex A/F	Swivel Nut Hex A/F
A5TJG0702		7/16-20	7/16-20	1/8-28	46.5	25	13
A5TJG0902		9/16-18	9/16-18	1/8-28	47.6	25	13
A5TJG1202		3/4-16	3/4-16	1/8-28	51.2	25	19
A5TJG1402		7/8-14	7/8-14	1/8-28	55.8	25	22
A5TJG1702		1 1/16-12	1 1/16-12	1/8-28	60.4	32	25
A5TJG2102		1 5/16-12	1 5/16-12	1/8-28	64.6	38	32
A5TJG2602		1 5/8-12	1 5/8-12	1/8-28	69.8	47	41
A5TJG3002		1 7/8-12	1 7/8-12	1/8-28	76.0	51	47

(A) Thread Specs: [Reference Tables, page 198](#)

(B) Thread Specs: [Reference Tables, page 199](#)

- **Stainless (316)** Change 1st Letter from A to S

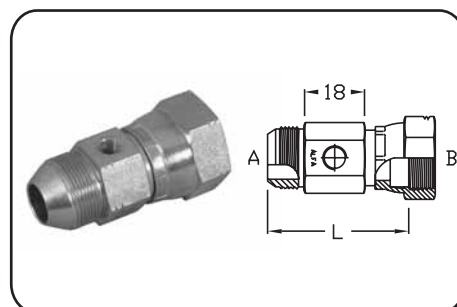
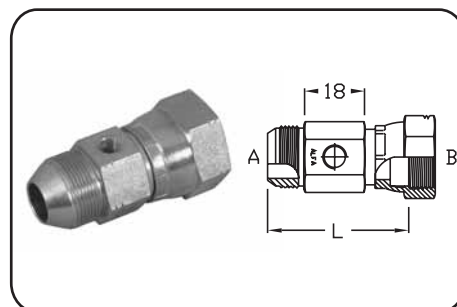
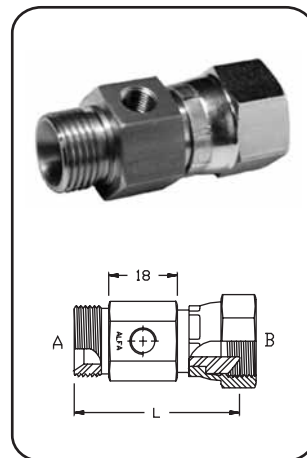
TEE - JIS METRIC 60° X JIS SWIVEL X BSPTF (KOMATSU FORM)

Part Number	R.R. Price	JIS W	JISF E	BSPTF S	L	Hex A/F	Swivel Nut Hex A/F
A5TKG1402		M14-1.5	M14-1.5	1/8-28	47.8	25	19
A5TKG1802		M18-1.5	M18-1.5	1/8-28	50.0	25	25
A5TKG2202		M22-1.5	M22-1.5	1/8-28	55.6	25	30
A5TKG2402		M24-1.5	M24-1.5	1/8-28	59.1	27	32
A5TKG3002		M30-1.5	M30-1.5	1/8-28	67.5	32	38
A5TKG3302		M33-1.5	M33-1.5	1/8-28	70.9	35	41
A5TKG3602		M36-1.5	M36-1.5	1/8-28	70.3	38	47
A5TKG4202		M42-1.5	M42-1.5	1/8-28	82.4	47	51

(A) Thread Specs: [Reference Tables, page 201](#)

(B) Thread Specs: [Reference Tables, page 201](#)

- **Stainless (316)** Change 1st Letter from A to S

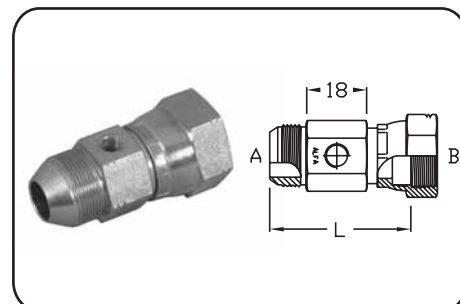


THREADED ADAPTORS



TEE - JIS BSPP 60° X JIS SWIVEL X BSPTF

Part Number	R.R. Price	JIS W	JIS F E	BSPTF S	L	Hex A/F	Swivel Nut Hex A/F
A5TLG0402		1/4-19	1/4-19	1/8-28	50.0	25	16
A5TLG0602		3/8-19	3/8-19	1/8-28	51.4	25	19
A5TLG0802		1/2-14	1/2-14	1/8-28	55.1	25	22
A5TLG1202		3/4-14	3/4-14	1/8-28	60.6	32	27
A5TLG1602		1-11	1-11	1/8-28	66.6	38	33
A5TLG2002		1 1/4-11	1 1/4-11	1/8-28	75.9	47	47
A5TLG2402		1 1/2-11	1 1/2-11	1/8-28	77.2	51	47



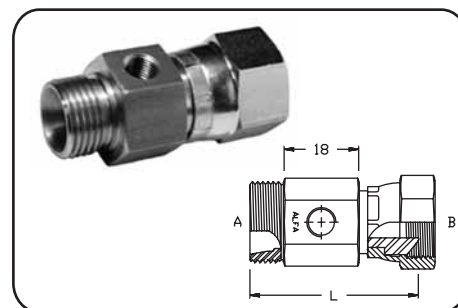
(A) Thread Specs: [Reference Tables, page 201](#)

(B) Thread Specs: [Reference Tables, page 201](#)

- **Stainless (316)** Change 1st Letter from A to S

TEE - METRIC COMPRESSION 24° X METRIC SWIVEL X BSPTF

Part Number	R.R. Price	Metric W	Metric/F E	BSPTF S	L	Hex A/F	Swivel Nut Hex A/F
A5TMCG1202-06		M12-1.5	M12-1.5	1/8-28	44.5	25	13
A5TMCG1402-06		M14-1.5	M14-1.5	1/8-28	48.0	25	16
A5TMCG1602-08		M16-1.5	M16-1.5	1/8-28	49.0	25	19
A5TMCG1802-10		M18-1.5	M18-1.5	1/8-28	50.5	25	19
A5TMCG2002-12		M20-1.5	M20-1.5	1/8-28	53.5	25	22
A5TMCG2202-14		M22-1.5	M22-1.5	1/8-28	55.5	25	25
A5TMCG2402-16		M24-1.5	M24-1.5	1/8-28	59.0	27	25
A5TMCG2602-18		M26-1.5	M26-1.5	1/8-28	61.5	32	27
A5TMCG3002-20		M30-2	M30-2	1/8-28	69.0	32	32
A5TMCG3602-25		M36-2	M36-2	1/8-28	74.0	38	38
A5TMCG4202-30		M42-2	M42-2	1/8-28	79.0	47	47
A5TMCG4502-35		M45-2	M45-2	1/8-28	79.0	47	47
A5TMCG5202-38		M52-2	M52-2	1/8-28	87.5	57	57



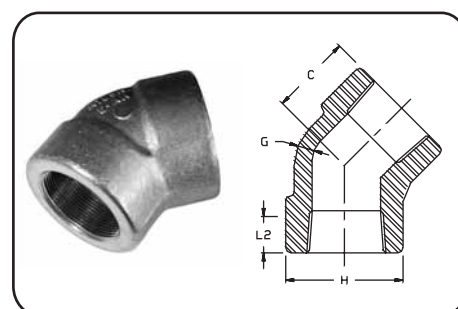
(A) Thread Specs: [Reference Tables, page 201](#)

(B) Thread Specs: [Reference Tables, page 201](#)

- **Stainless (316)** Change 1st Letter from A to S

ELBOW 45° NPTF - SERIES 3000 LBS

Part Number	R.R. Price	NPTF	C	G	H	Min Thrd L2
A5EC45NF02		1/8-27	17	3.0	22	6.5
A5EC45NF04		1/4-18	19	3.5	25	10.0
A5EC45NF06		3/8-18	22	3.5	33	10.5
A5EC45NF08		1/2-14	25	4.0	38	13.5
A5EC45NF12		3/4-14	29	4.5	46	14.0
A5EC45NF16		1-11.5	33	5.0	56	17.5
A5EC45NF20		1 1/4-11.5	35	5.5	62	18.0
A5EC45NF24		1 1/2-11.5	43	5.5	75	18.5
A5EC45NF32		2-11.5	45	7.0	84	19.0
A5EC45NF40		2 1/2-8	52	7.5	102	29.0
A5EC45NF48		3-8	64	9.0	121	30.5



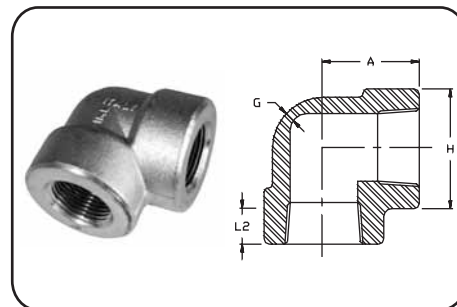
(A) Thread Specs: [Reference Tables, page 198](#)

- **Stainless - Not Available**

THREADED ADAPTORS

ELBOW 90° NPTF - SERIES 3000 LBS

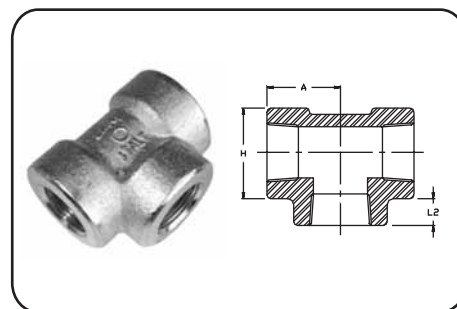
Part Number	R.R. Price	NPTF	A	G	H	Min Thrd L2
A5EC90NF02		1/8-27	21	3.0	22	6.5
A5EC90NF04		1/4-18	25	3.5	25	10.0
A5EC90NF06		3/8-18	29	3.5	33	10.5
A5EC90NF08		1/2-14	33	4.0	38	13.5
A5EC90NF12		3/4-14	38	4.5	46	14.0
A5EC90NF16		1-11.5	44	5.0	56	17.5
A5EC90NF20		1 1/4-11.5	51	5.5	62	18.0
A5EC90NF24		1 1/2-11.5	60	5.5	75	18.5
A5EC90NF32		2-11.5	64	7.0	84	19.0
A5EC90NF40		2 1/2-8	83	7.5	102	29.0
A5EC90NF48		3-8	95	9.0	121	30.5



(A) Thread Specs: [Reference Tables, page 198](#)

TEE NPTF - SERIES 3000 LBS

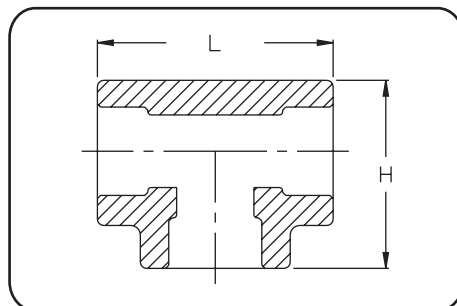
Part Number	R.R. Price	NPTF	A	H	Min Thrd L2
A5TCNF02		1/8-27	21	22	6.5
A5TCNF04		1/4-18	25	25	10.0
A5TCNF06		3/8-18	29	33	10.5
A5TCNF08		1/2-14	33	38	13.5
A5TCNF12		3/4-14	38	46	14.0
A5TCNF16		1-11.5	44	56	17.5
A5TCNF20		1 1/4-11.5	51	62	18.0
A5TCNF24		1 1/2-11.5	60	75	18.5
A5TCNF32		2-11.5	64	84	19.0
A5TCNF40		2 1/2-8	83	102	29.0
A5TCNF48		3-8	95	121	30.5



(A) Thread Specs: [Reference Tables, page 198](#)

TEE BSPPF

Part Number	R.R. Price	BSPPF	L	H	WIDTH
A5TBF04		1/4-19	41	36	22
A5TBF06		3/8-19	43	40	27
A5TBF08		1/2-14	51	47	33
A5TBF12		3/4-14	60	55	38
A5TBF16		1-11	69	64	46
A5TBF20		1 1/4-11	79	75	55
A5TBF24		1 1/2-11	92	83	61
A5TBF32		2-11	100	98	75
A5TBF32		2-11	106	98	75



(A) Thread Specs: [Reference Tables, page 194](#)

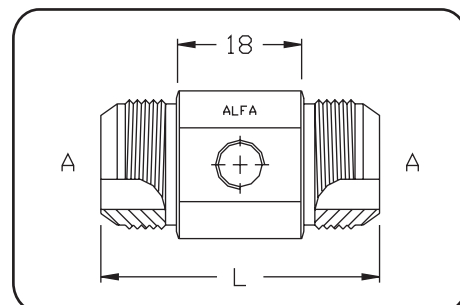
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



TEE - JIC X JIC X BSPPF

Part Number	R.R. Price	JIC A	L	Branch BSPPF	Hex A/F
A5TJJB0902		9/16-18	46	1/8-28	25
A5TJJB1202		3/4-16	51	1/8-28	25
A5TJJB1402		7/8-14	57	1/8-28	25
A5TJJB1702		1 1/16-12	62	1/8-28	30
A5TJJB2102		1 5/16-12	64	1/8-28	38
A5TJJB2602		1 5/8-12	67	1/8-28	47
A5TJJB3002		1 7/8-12	73	1/8-28	51

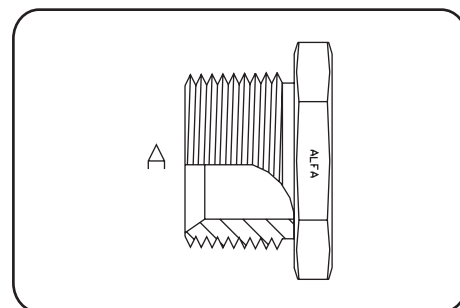


(A) Thread Specs: [Reference Tables, page 198](#)

- **Stainless** (316) Change 1st Letter from A to S

PLUG X BSPT

Part Number	R.R. Price	BSPT A	L	Hex A/F
A5PG02		1/8-28	18	13
A5PG04		1/4-19	24	16
A5PG06		3/8-19	24	19
A5PG08		1/2-14	29	25
A5PG12		3/4-14	29	30
A5PG16		1-11	37	38
A5PG20		1 1/4-11	39	47
A5PG24		1 1/2-11	39	51
A5PG32		2-11	43	63

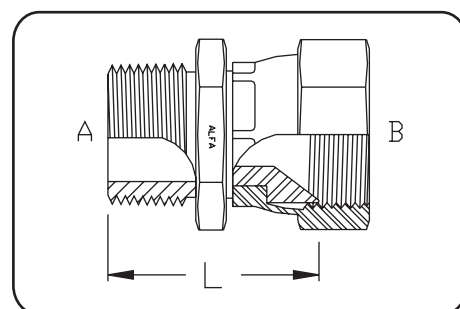


(A) Thread Specs: [Reference Tables, page 197](#)

- **Stainless** (316) Change 1st Letter from A to S

NPT X JIC SWIVEL

Part Number	R.R. Price	NPT A	JIC SWIVEL B	L	Hex A/F	Swivel Hex A/F
A5NJS0207		1/8-27	7/16-20	35	13	19
A5NJS0407		1/4-18	7/16-20	41	16	19
A5NJS0409		1/4-18	9/16-18	41	16	22
A5NJS1217		3/4-14	1 1/16-12	54	30	33
A5NJS1612		1-11.5	3/4-16	54	35	25
A5NJS1621		1-11.5	1 5/16-12	62	35	41
A5NJS1626		1-11.5	1 5/8-12	67	41	51
A5NJS2026		1 1/4-11.5	1 5/8-12	68	47	51
A5NJS2430		1 1/2-11.5	1 7/8-12	71	51	57
A5NJS3240		2-11.5	2 1/2-12	83	63	77



(A) Thread Specs: [Reference Tables, page 198](#)

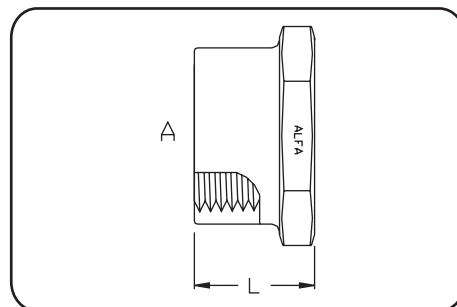
(B) Thread Specs: [Reference Tables, page 199](#)

- **Stainless** (316) Change 1st Letter from A to S

THREADED ADAPTORS

NUT - CAP - NPT

Part Number	R.R. Price	NPTF A	L	Hex A/F
A5NCN04		1/4-18	23	22
A5NCN06		3/8-18	24	27
A5NCN08		1/2-14	29	30
A5NCN12		3/4-14	29	38
A5NCN16		1-11.5	36	47
A5NCN20		1 1/4-11.5	38	57
A5NCN24		1 1/2-11.5	37	63
A5NCN32		2-11.5	40	67
A5NCN40		2 1/2-8	43	77
A5NCN48		3-8	47	96

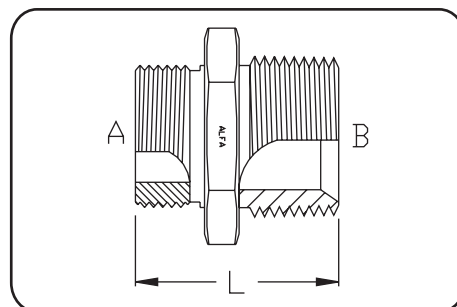


(A) Thread Specs: [Reference Tables, page 198](#)

- **Stainless (316)** Change 1st Letter from A to S

METRIC X BSPT

Part Number	R.R. Price	Metric A	BSPT B	L	Hex A/F
A5MG1002		M10-1.0	1/8-28	28	16
A5MG1004		M10-1.0	1/4-19	34	16
A5MG1006		M10-1.0	3/8-19	36	19
A5MG1402		M14-1.5	1/8-28	30	22
A5MG1406		M14-1.5	3/8-19	36	22
A5MG1606		M16-1.5	3/8-19	36	22
A5MG1612		M16-1.5	3/4-14	44	30
A5MG1804		M18-1.5	1/4-19	36	25
A5MG2206		M22-1.5	3/8-19	38	30
A5MG2208		M22-1.5	1/2-14	43	30
A5MG2212%		M22-1.5	3/4-14	43	30
A5MG2408		M24-1.5	1/2-14	43	30
A5MG2412		M24-1.5	3/4-14	43	30
A5MG2716		M27-2.0	1-11	56	38
A5MG3008-1.5		M30-1.5	1/2-14	48	38
A5MG3012-1.5		M30-1.5	3/4-14	48	38
A5MG3016		M30-2.0	1-11	53	38
A5MG3016-1.5		M30-1.5	1-11	53	38
A5MG3316		M33-2.0	1-11	56	41
A5MG3624		M36-2.0	1 1/2-11	60	51
A5MG3812		M38-1.5	3/4-14	47	47
A5MG4216		M42-2.0	1-11	67	63
A5MG4220		M42-2.0	1 1/4-11	59	51
A5MG4224		M42-2.0	1 1/2-11	68	63



(A) Thread Specs: [Reference Tables, page 195](#)

(B) Thread Specs: [Reference Tables, page 197](#)

Bonded Seal (Metric): [Reference Tables, page 189](#)

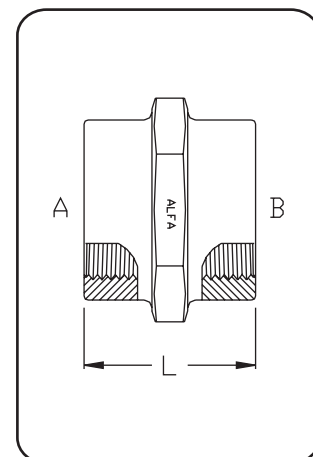
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



SOCKET - METRIC FEMALE X METRIC FEMALE

Part Number	R.R. Price	Metric A	Metric B	L	Boss Ø	Hex A/F
A5FMM1010		M10-1.0	M10-1.0	32	19	22
A5FMM1212		M12-1.5	M12-1.5	28	19	22
A5FMM1414		M14-1.5	M14-1.5	32	22	25
A5FMM1610		M16-1.5	M10-1.0	32	25	27
A5FMM1616		M16-1.5	M16-1.5	32	25	27
A5FMM2020		M20-1.5	M20-1.5	32	30	32
A5FMM2626		M26-1.5	M26-1.5	32	38	41
A5FMM3030		M30-2.0	M30-2.0	40	41	47
A5FMM3636		M36-2.0	M36-2.0	44	57	63
A5FMM4242		M42-2.0	M42-2.0	48	57	63

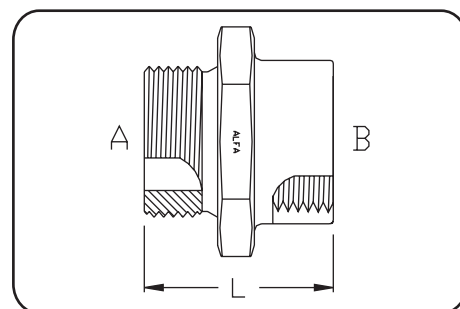


(A & B) Thread Specs: [Reference Tables, page 197](#)

- **Stainless** (316) Change 1st Letter from A to S

METRIC X BSPTF

Part Number	R.R. Price	Metric A	BSPTF B	L	Hex A/F
A5HMG1004		M10-1.0	1/4-19	36	22
A5HMG1006		M10-1.0	3/8-19	36	27
A5HMG1202		M12-1.5	1/8-28	26	19
A5HMG1208-1.5		M12-1.5	1/2-14	40	25
A5HMG1212		M12-1.5	3/4-14	41	38
A5HMG1402		M14-1.5	1/8-28	28	22
A5HMG1404		M14-1.5	1/4-19	38	22
A5HMG1602		M16-1.5	1/8-28	20	22
A5HMG1604		M16-1.5	1/4-19	36	22
A5HMG1604		M16-1.5	1/4-19	36	22
A5HMG1802		M18-1.5	1/8-28	20	25
A5HMG1804		M18-1.5	1/4-19	36	25
A5HMG1806		M18-1.5	3/8-19	39	27
A5HMG2204		M22-1.5	1/4-19	25	30
A5HMG2412		M24-1.5	3/4-14	46	38
A5HMG2608-1.5		M26-1.5	1/2-14	41	33
A5HMG2612		M26-1.5	3/4-14	44	38
A5HMG2708		M27-2.0	1/2-14	45	35
A5HMG3012-1.5		M30-1.5	3/4-14	45	38
A5HMG3608-1.5		M36-1.5	1/2-14	30	47
A5HMG3612-1.5		M36-1.5	3/4-14	47	47



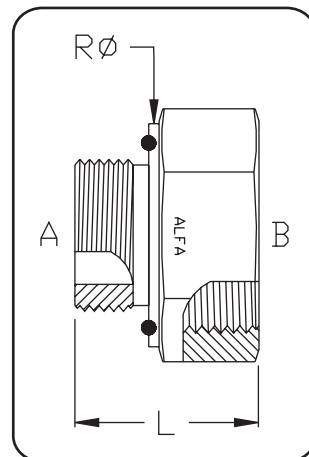
(A) Thread Specs: [Reference Tables, page 194](#)

(B) Thread Specs: [Reference Tables, page 197](#)

- **Stainless** (316) Change 1st Letter from A to S

METRIC ENC O-RING X BSPPF

Part Number	R.R. Price	Metric A	BSPPF B	L	Boss - Ø	Hex A/F
A5HMEB1202		M12-1.5	1/8-28	28	21	22
A5HMEB1402		M14-1.5	1/8-28	30	23	25
A5HMEB1404		M14-1.5	1/4-19	33	23	25
A5HMEB1602		M16-1.5	1/8-28	30	26	27
A5HMEB1604		M16-1.5	1/4-19	33	26	27
A5HMEB1802		M18-1.5	1/8-28	25	28	30
A5HMEB2212		M22-1.5	3/4-14	41	34	38
A5HMEB3308		M33-2.0	1/2-14	33	46	47
A5HMEB4808		M48-2.0	1/2-14	39	61	63



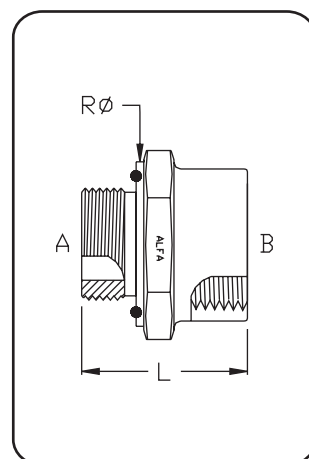
(A) Thread Specs: [Reference Tables, page 195](#)

(B) Thread Specs: [Reference Tables, page 194](#)

- **Stainless (316)** Change 1st Letter from A to S

METRIC ENC O-RING X BSPTF

Part Number	R.R. Price	Metric A	BSPTF B	L	Boss - Ø	Hex A/F
A5HMEG1004		M10-1.0	1/4-19	36	19	22
A5HMEG1006		M10-1.0	3/8-19	36	19	27
A5HMEG1602		M16-1.5	1/8-28	22	26	27
A5HMEG1604		M16-1.5	1/4-19	38	26	27
A5HMEG2204		M22-1.5	1/4-19	28	34	35
A5HMEG2206		M22-1.5	3/8-19	41	34	35
A5HMEG2412		M24-1.5	3/4-14	46	36	38
A5HMEG2712		M27-2.0	3/4-14	48	39	41



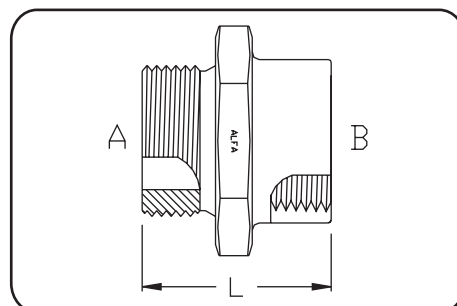
(A) Thread Specs: [Reference Tables, page 195](#)

(B) Thread Specs: [Reference Tables, page 197](#)

- **Stainless (316)** Change 1st Letter from A to S

METRIC X NPTF

Part Number	R.R. Price	Metric A	NPTF B	L	Hex A/F
A5HMN1002		M10-1.0	1/8-27	30	16
A5HMN1202		M12-1.5	1/8-27	26	19
A5HMN1402		M14-1.5	1/8-27	28	22
A5HMN1404		M14-1.5	1/4-18	37	22
A5HMN1602		M16-1.5	1/8-27	20	22
A5HMN1802		M18-1.5	1/8-27	20	25
A5HMN1804		M18-1.5	1/4-18	35	25
A5HMN2008		M20-1.5	1/2-14	44	30
A5HMN2202		M22-1.5	1/8-27	25	30
A5HMN2208		M22-1.5	1/2-14	46	30
A5HMN2706		M27-2.0	3/8-18	27	35
A5HMN3008		M30-2.0	1/2-14	27	38



(A) Thread Specs: [Reference Tables, page 195](#)

(B) Thread Specs: [Reference Tables, page 197](#)

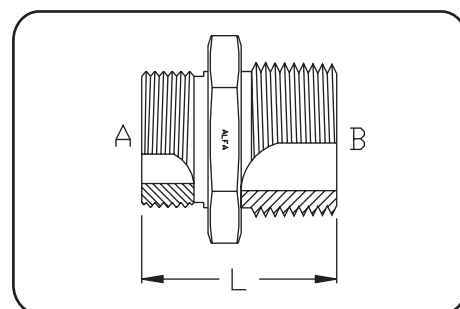
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



METRIC X NPT

Part Number	R.R. Price	Metric A	NPT B	L	Hex A/F
A5MN1002		M10-1.0	1/8-27	28	16
A5MN1608		M16-1.5	1/2-14	44	25
A5MN1804		M18-1.5	1/4-18	36	25
A5MN1808		M18-1.5	1/2-14	41	25
A5MN2208		M22-1.5	1/2-14	43	30
A5MN2212		M22-1.5	3/4-14	43	31
A5MN3016		M30-2.0	1-11.5	53	38
A5MN3016-1.5		M30-1.5	1-11.5	53	38
A5MN3312		M33-2.0	3/4-14	51	41
A5MN3612-1.5		M36-1.5	3/4-14	51	47
A5MN3616		M36-2.0	1-11.5	56	47
A5MN4232		M42-2.0	2-11.5	66	64
A5MN5224		M52-2.0	1 1/2-11.5	63	57



(A) Thread Specs: [Reference Tables, page 195](#)

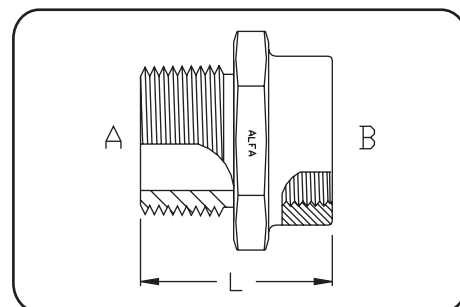
(B) Thread Specs: [Reference Tables, page 198](#)

Bonded Seal (Metric): [Reference Tables, page 189](#)

- **Stainless** (316) Change 1st Letter from A to S

NPT X BSPPF

Part Number	R.R. Price	NPT A	BSPPF B	L	Hex A/F
A5HNB0404		1/4-18	1/4-19	35	22
A5HNB0406		1/4-18	3/8-19	36	27
A5HNB0408		1/4-18	1/2-14	39	33
A5HNB0604		3/8-18	1/4-19	35	22
A5HNB0606		3/8-18	3/8-19	36	27
A5HNB0608		3/8-18	1/2-14	39	33
A5HNB0806		1/2-14	3/8-19	41	27
A5HNB0808		1/2-14	1/2-14	44	33
A5HNB1204		3/4-14	1/4-19	32	30
A5HNB1608		1-11.5	1/2-14	37	35
A5HNB1616		1-11.5	1-11	53	47
A5HNB2020		1 1/4-11.5	1 1/4-11	56	57
A5HNB2424		1 1/2-11.5	1 1/2-11	58	63
A5HNB2432		1 1/2-11.5	2-11	61	77
A5HNB3224		2-11.5	1 1/2-11	60	63
A5HNB3232		2-11.5	2-11	63	77
A5HNB4848		3-8	3-11	73	106



(A) Thread Specs: [Reference Tables, page 198](#)

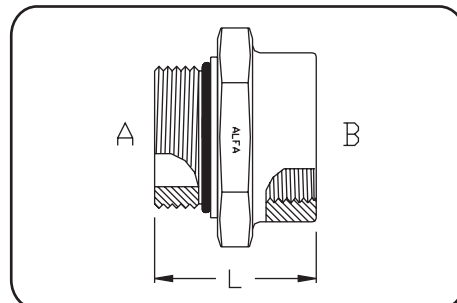
(B) Thread Specs: [Reference Tables, page 194](#)

- **Stainless** (316) Change 1st Letter from A to S

THREADED ADAPTORS

UN-O X BSPPF

Part Number	R.R. Price	UN-O A	BSPPF B	L	Hex A/F
A5HUB0704		7/16-20	1/4-19	30	22
A5HUB0804		1/2-20	1/4-19	30	22
A5HUB0808		1/2-20	1/2-14	34	33
A5HUB0904		9/16-18	1/4-19	31	22
A5HUB1204		3/4-16	1/4-19	21	25
A5HUB1208		3/4-16	1/2-14	37	33
A5HUB1212		3/4-16	3/4-14	38	38
A5HUB1406		7/8-14	3/8-19	36	27
A5HUB1408		7/8-14	1/2-14	39	33
A5HUB1704		1 1/16-12	1/4-19	29	32
A5HUB1712		1 1/16-12	3/4-14	42	38
A5HUB1812		1 1/8-12	3/4-14	42	38
A5HUB2112		1 5/16-12	3/4-14	42	41
A5HUB2416		1 5/16-12	1-11	59	41
A5HUB2420		1 5/16-12	1 1/4-11	59	51
A5HUB2432		1 5/16-12	2-11	59	77
A5HUB2620		1 5/8-12	1 1/4-11	47	57
A5HUB3008		1 7/8-12	1/2-14	32	57



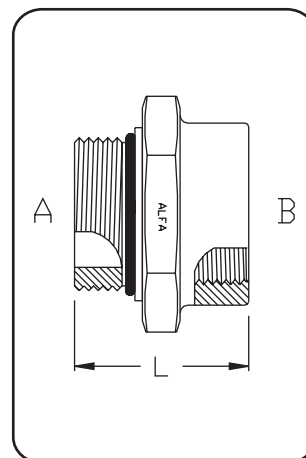
(A) Thread Specs: [Reference Tables, page 199](#)

(B) Thread Specs: [Reference Tables, page 194](#)

- **Stainless (316)** Change 1st Letter from A to S

UN-O X BSPTF

Part Number	R.R. Price	UN-O A	BSPTF B	L	Hex A/F
A5HUG0502		5/16-24	1/8-28	26	19
A5HUG0904		9/16-18	1/4-19	36	25
A5HUG0906		9/16-18	3/8-19	36	30
A5HUG1208		3/4-16	1/2-14	43	32
A5HUG1404		7/8-14	1/4-19	24	27
A5HUG1408		7/8-14	1/2-14	45	32
A5HUG1712		1 1/16-12	3/4-14	47	38
A5HUG2017		1 1/4-16	1-11	44	47
A5HUG2116		1 5/16-12	1-11	54	47
A5HUG2416-16		1 1/2-16	1-11	75	47
A5HUG2616		1 5/8-12	1-11	54	51
A5HUG4040		2 1/2-12	2 1/2-11	62	92



(A) Thread Specs: [Reference Tables, page 199](#)

(B) Thread Specs: [Reference Tables, page 197](#)

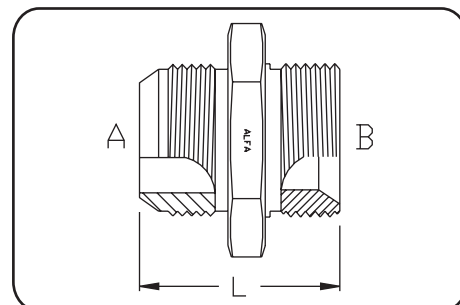
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



JIS METRIC 60° (KOMATSU FORM) X BSPP

Part Number	R.R. Price	Metric A	BSPP B	L	Hex A/F
A5KB1404		M14-1.5	1/4-19	34	19
A5KB1406		M14-1.5	3/8-19	34	22
A5KB1804		M18-1.5	1/4-19	41	22
A5KB1806		M18-1.5	3/8-19	37	22
A5KB2206		M22-1.5	3/8-19	45	25
A5KB2208		M22-1.5	1/2-14	41	27
A5KB2408		M24-1.5	1/2-14	44	27
A5KB2412		M24-1.5	3/4-14	49	33
A5KB3012		M30-1.5	3/4-14	54	33
A5KB3316		M33-1.5	1-11	59	41
A5KB4220		M42-1.5	1 1/4-11	68	51



(A) Thread Specs: [Reference Tables, page 201](#)

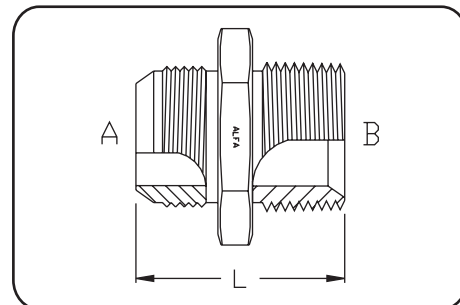
(B) Thread Specs: [Reference Tables, page 194](#)

Bonded Seal (BSPP): [Reference Tables, page 188](#)

- **Stainless** (316) Change 1st Letter from A to S

JIS METRIC 60° (KOMATSU FORM) X BSPT

Part Number	R.R. Price	Metric A	BSPT B	L	Hex A/F
A5KG1404		M14-1.5	1/4-19	38	16
A5KG1406		M14-1.5	3/8-19	38	19
A5KG1604		M16-1.5	1/4-19	40	19
A5KG1804		M18-1.5	1/4-19	41	22
A5KG1806		M18-1.5	3/8-19	41	22
A5KG1808		M18-1.5	1/2-14	48	25
A5KG2206		M22-1.5	3/8-19	43	25
A5KG2208		M22-1.5	1/2-14	48	25
A5KG2408		M24-1.5	1/2-14	51	27
A5KG2412		M24-1.5	3/4-14	54	30
A5KG3012		M30-1.5	3/4-14	56	32
A5KG3316		M33-1.5	1-11	69	38
A5KG4220		M42-1.5	1 1/4-11	75	47



(A) Thread Specs: [Reference Tables, page 201](#)

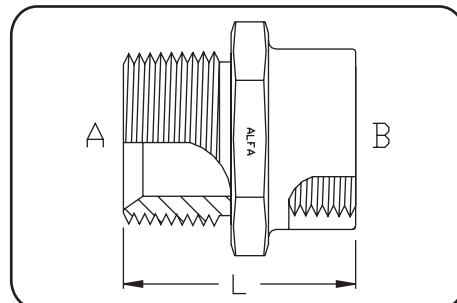
(B) Thread Specs: [Reference Tables, page 197](#)

- **Stainless** (316) Change 1st Letter from A to S

THREADED ADAPTORS

BSPT X NPTF

Part Number	R.R. Price	BSPT A	NPTF B	L	Hex A/F
A5HGN0202		1/8-28	1/8-27	26	16
A5HGN0208		1/8-28	1/2-14	39	30
A5HGN0402		1/4-19	1/8-27	32	16
A5HGN0404		1/4-19	1/4-18	39	22
A5HGN0406		1/4-19	3/8-18	40	27
A5HGN0408		1/4-19	1/2-14	45	30
A5HGN0604		3/8-19	1/4-18	39	22
A5HGN0606		3/8-19	3/8-18	40	27
A5HGN0608		3/8-19	1/2-14	45	30
A5HGN0804		1/2-14	1/4-18	44	25
A5HGN0806		1/2-14	3/8-18	45	27
A5HGN0808		1/2-14	1/2-14	50	30
A5HGN1616		1-11	1-11.5	62	47
A5HGN2008		1 1/4-11	1/2-14	39	47
A5HGN2412		1 1/2-11	3/4-14	39	51
A5HGN2416		1 1/2-11	1-11.5	39	51
A5HGN2420		1 1/2-11	1 1/4-11.5	65	57
A5HGN2432		1 1/2-11	2-11.5	67	76
A5HGN3220		2-11	1 1/4-11.5	43	63
A5HGN3224		2-11	1 1/2-11.5	43	63
A5HGN3232		2-11	2-11.5	69	76
A5HGN3248		2-11	3-8	76	107
A5HGN4032		2 1/2-11	2-11.5	46	79
A5HGN4040		2 1/2-11	2 1/2-8	75	87
A5HGN4048		2 1/2-11	3-8	79	107
A5HGN4824		3-11	1 1/2-11.5	51	82
A5HGN4832		3-11	2-11.5	51	82
A5HGN4840		3-11	2 1/2-8	48	92
A5HGN4848		3-11	3-8	81	107
A5HGN6432		4-11	2-11.5	55	105
A5HGN6464		4-11	4-8	92	137



(A) Thread Specs: [Reference Tables, page 197](#)

(B) Thread Specs: [Reference Tables, page 198](#)

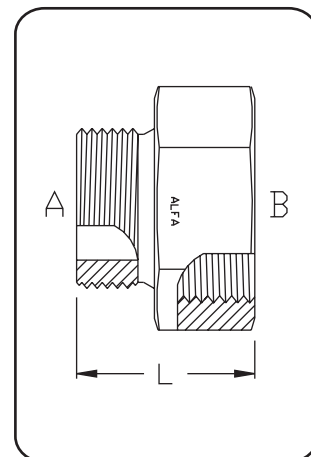
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



METRIC X METRIC FEMALE

Part Number	R.R. Price	Metric A	Metric Female B	L	Hex A/F
A5HMM1012		M10-1.0	M12-1.5	28	19
A5HMM1014		M10-1.0	M14-1.5	30	22
A5HMM1210		M12-1.5	M10-1.0	31	19
A5HMM1216		M12-1.5	M16-1.5	31	25
A5HMM1412		M14-1.5	M12-1.5	28	22
A5HMM1614		M16-1.5	M14-1.5	30	22
A5HMM1816		M18-1.5	M16-1.5	34	25
A5HMM2018		M20-1.5	M18-1.5	30	27
A5HMM2222		M22-1.5	M22-1.5	45	32
A5HMM2622		M26-1.5	M22-1.5	33	33
A5HMM3018-1.5		M30-1.5	M18-1.5	27	38
A5HMM3636		M36-2.0	M36-2.0	52	57
A5HMM4227		M42-2.0	M27-2.0	32	51



(A) Thread Specs: [Reference Tables, page 195](#)

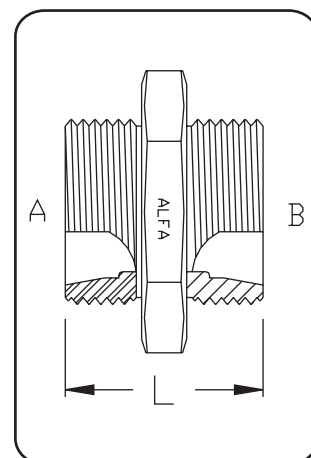
(B) Thread Specs: [Reference Tables, page 197](#)

Bonded Seal (Metric): [Reference Tables, page 189](#)

- **Stainless** (316) Change 1st Letter from A to S

METRIC COMPRESSION 24° X METRIC COMPRESSION 24°

Part Number	R.R. Price	Metric A	Metric B	L	Hex A/F
A5MCMC1210-0806		M12-1.5	M10-1.0	26	16
A5MCMC1412-0806		M14-1.5	M12-1.5	28	16
A5MCMC1614-1008		M16-1.5	M14-1.5	29	19
A5MCMC1816-1210		M18-1.5	M16-1.5	30	22
A5MCMC2218-1512		M22-1.5	M18-1.5	31	25
A5MCMC3020-2012		M30-2	M20-1.5	36	32
A5MCMC3630-2822		M36-2	M30-2	41	38
A5MCMC4536-3528		M45-2	M36-2	42	47
A5MCMC5220-3812		M52-2	M20-1.5	48	57
A5MCMC5230-3820		M52-2	M30-2	52	57
A5MCMC5230-4222		M52-2	M30-2	46	57
A5MCMC5236-4228		M52-2	M36-2	44	57
A5MCMC5242-3830		M52-2	M42-2	56	57
A5MCMC5245-4235		M52-2	M45-2	46	57
A5MCMC5252-3838		M52-2	M52-2	58	57



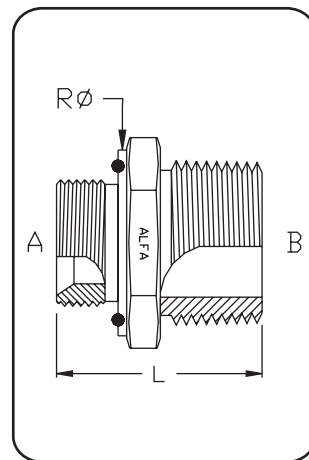
(A & B) Thread Specs: [Reference Tables, page 196](#)

- **Stainless** (316) Change 1st Letter from A to S

THREADED ADAPTORS

BSPP ENC O-RING X NPT

Part Number	R.R. Price	BSPP A	NPT B	L	Hex A/F
A5BEN0404		1/4-19	1/4-18	38	22
A5BEN0608		3/8-19	1/2-14	43	27
A5BEN0804		1/2-14	1/4-18	44	33
A5BEN1212		3/4-14	3/4-14	51	38
A5BEN1616		1-11	1-11.5	59	47
A5BEN3208		2-11	1/2-14	67	77
A5BEN3212		2-11	3/4-14	67	77
A5BEN3216		2-11	1-11.5	67	77
A5BEN4032		2 1/2-11	2-11.5	72	93
A5BEN4040		2 1/2-11	2 1/2-8	75	93
A5BEN4832		3-11	2-11.5	74	106



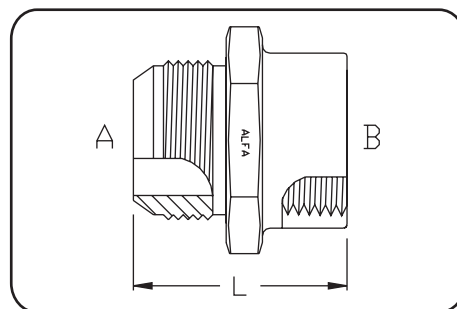
(A) Thread Specs: [Reference Tables, page 194](#)

(B) Thread Specs: [Reference Tables, page 198](#)

- **Stainless (316)** Change 1st Letter from A to S

JIC X BSPTF

Part Number	R.R. Price	JIC A	BSPTF B	L	Hex A/F
A5HJG0706		7/16-20	3/8-19	38	27
A5HJG0908		9/16-18	1/2-14	43	32
A5HJG1208		3/4-16	1/2-14	46	32
A5HJG1212		3/4-16	3/4-14	46	38
A5HJG1412		7/8-14	3/4-14	48	38
A5HJG1712		1 1/16-12	3/4-14	51	38
A5HJG2616		1 5/8-12	1-11	60	47
A5HJG2620		1 5/8-12	1 1/4-11	62	57
A5HJG4040		2 1/2-12	2 1/2-11	78	94
A5HJG4048		2 1/2-12	3-11	81	108



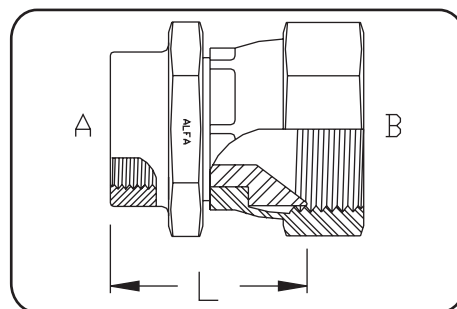
(A) Thread Specs: [Reference Tables, page 198](#)

(B) Thread Specs: [Reference Tables, page 197](#)

- **Stainless (316)** Change 1st Letter from A to S

BSPPF X JICF SWIVEL

Part Number	R.R. Price	BSPPF A	JICF B	L	Hex A/F	Swivel Hex A/F
A5BFJS0407		1/4-19	7/16-20	35	22	19
A5BFJS0612		3/8-19	3/4-16	35	27	25
A5BFJS0812		1/2-14	3/4-16	39	33	25
A5BFJS1217		3/4-14	1 1/16-12	46	38	33
A5BFJS1621		1-11	1 5/16-12	51	47	41
A5BFJS2026		1 1/4-11	1 5/8-12	58	57	51
A5BFJS2430		1 1/2-11	1 7/8-12	63	63	57



(A) Thread Specs: [Reference Tables, page 198](#)

(B) Thread Specs: [Reference Tables, page 197](#)

- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



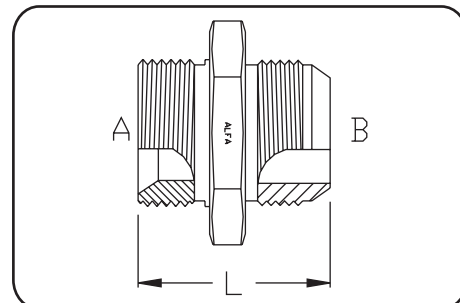
BSPP X JIS BSPP 60°

Part Number	R.R. Price	BSPP A	JIS BSPP B	L	Hex A/F
A5BL0404		1/4-19	1/4-19	37	19
A5BL0606		3/8-19	3/8-19	39	22
A5BL0808		1/2-14	1/2-14	41	27
A5BL1212		3/4-14	3/4-14	49	33
A5BL1616		1-11	1-11	55	41
A5BL2020		1 1/4-11	1 1/4-11	61	51
A5BL2424		1 1/2-11	1 1/2-11	65	57

(A) Thread Specs: [Reference Tables, page 194](#)

Bonded Seal (BSPP): [Reference Tables, page 188](#)

- **Stainless** (316) Change 1st Letter from A to S



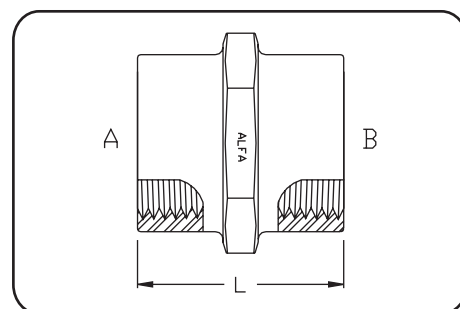
BSPTF X NPTF

Part Number	R.R. Price	BSPTF A	NPTF B	L	Hex A/F
A5FGN0404		1/4-19	1/4-18	40	22
A5FGN0808		1/2-14	1/2-14	50	32
A5FGN1212		3/4-14	3/4-14	50	38
A5FGN1616		1-11	1-11.5	60	47
A5FGN2020		1 1/4-11	1 1/4-11.5	62	57
A5FGN2424		1 1/2-11	1 1/2-11.5	62	63
A5FGN2432		1 1/2-11	2-11.5	64	63
A5FGN3232		2-11	2-11.5	66	74
A5FGN4848		3-11	3-8	76	107

(A) Thread Specs: [Reference Tables, page 197](#)

(B) Thread Specs: [Reference Tables, page 198](#)

- **Stainless** (316) Change 1st Letter from A to S



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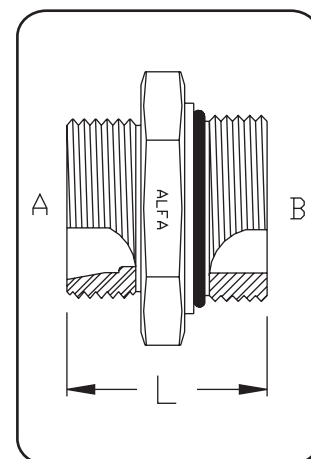
METRIC COMPRESSION 24° X UN-O

Part Number	R.R. Price	Metric A	UN-O B	L	Hex A/F
A5MCU1207-06		M12-1.5	7/16-20	29	16
A5MCU1209-06		M12-1.5	9/16-18	30	19
A5MCU1607-10		M16-1.5	7/16-20	30	19
A5MCU1609-10		M16-1.5	9/16-18	31	19
A5MCU1612-10		M16-1.5	3/4-16	33	25
A5MCU1814-12		M18-1.5	7/8-14	35	27
A5MCU3017-22		M30-2	1 1/16-12	42	32
A5MCU3621-25		M36-2	1 5/16-12	48	41
A5MCU4226-30		M42-2	1 5/8-12	50	51
A5MCU5230-38		M52-2	1 7/8-12	54	57
A5MCU5230-42		M52-2	1 7/8-12	48	57

(A) Thread Specs: [Reference Tables, page 201](#)

(B) Thread Specs: [Reference Tables, page 199](#)

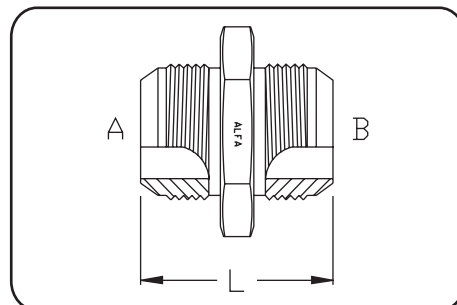
- **Stainless** (316) Change 1st Letter from A to S



THREADED ADAPTORS

JIS BSPP 60° X JIS BSPP 60°

Part Number	R.R. Price	JIS BSPP A	JIS BSPP B	L	Hex A/F
A5LL0404		1/4-19	1/4-19	42	16
A5LL0606		3/8-19	3/8-19	45	19
A5LL0808		1/2-14	1/2-14	47	25
A5LL1212		3/4-14	3/4-14	55	30
A5LL1616		1-11	1-11	61	38
A5LL2020		1 1/4-11	1 1/4-11	71	47
A5LL2424		1 1/2-11	1 1/2-11	69	51

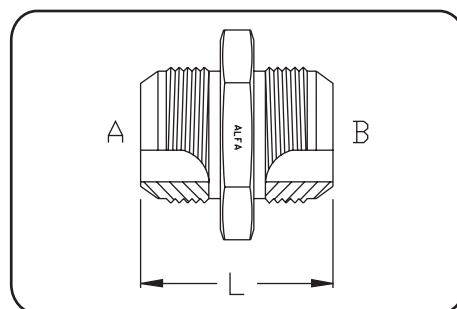


(A) Thread Specs: [Reference Tables, page 194](#)

- **Stainless (316)** Change 1st Letter from A to S

JIS BSPP 60° X JIC

Part Number	R.R. Price	JIS BSPP A	JIC B	L	Hex A/F
A5LJ0409		1/4-19	9/16-18	39	16
A5LJ0612		3/8-19	3/4-16	43	22
A5LJ0817		1/2-14	1 1/16-12	49	30
A5LJ1217		3/4-14	1 1/16-12	55	30
A5LJ1621		1-11	1 5/16-12	59	38
A5LJ2021		1 1/4-11	1 5/16-12	64	47
A5LJ2026		1 1/4-11	1 5/8-12	66	47



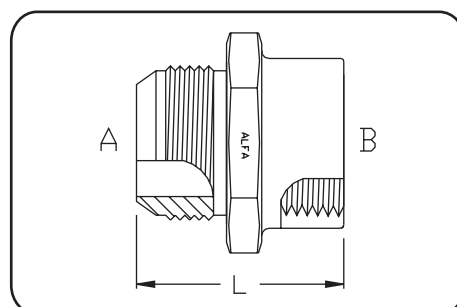
(A) Thread Specs: [Reference Tables, page 194](#)

(B) Thread Specs: [Reference Tables, page 198](#)

- **Stainless (316)** Change 1st Letter from A to S

JIC X NPTF

Part Number	R.R. Price	JIC A	NPTF B	L	Hex A/F
A5HJN0704		7/16-20	1/4-18	36	22
A5HJN0804		1/2-20	1/4-18	36	22
A5HJN0902		9/16-18	1/8-27	29	16
A5HJN1204		3/4-16	1/4-18	39	27
A5HJN1208		3/4-16	1/2-14	45	27
A5HJN1216		3/4-16	1-11.5	51	47
A5HJN1224		3/4-16	1 1/2-11.5	52	63
A5HJN1716		1 1/16-12	1-11.5	56	47
A5HJN2116		1 5/16-12	1-11.5	57	47
A5HJN2616		1 5/8-12	1-11.5	58	47
A5HJN2620		1 5/8-12	1 1/4-11.5	60	57
A5HJN4032		2 1/2-12	2-11.5	72	76
A5HJN4832		3 IN-12	2-11.5	48	80



(A) Thread Specs: [Reference Tables, page 198](#)

(B) Thread Specs: [Reference Tables, page 198](#)

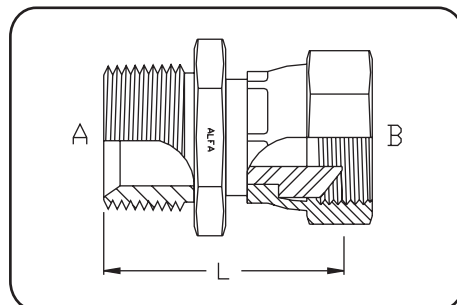
- **Stainless (316)** Change 1st Letter from A to S

THREADED ADAPTORS



BSPT X BSPPF SWIVEL

Part Number	R.R. Price	BSPT A	BSPP SWIVEL B	L	Hex A/F	Swivel Hex A/F
A5GBS0404		1/4-19	1/4-19	45	16	19
A5GBS0606		3/8-19	3/8-19	45	19	22
A5GBS0804		1/2-14	1/4-19	50	25	19
A5GBS0808		1/2-14	1/2-14	54	25	27
A5GBS1212		3/4-14	3/4-14	60	30	33
A5GBS1616		1-11	1-11	68	38	41
A5GBS2020		1 1/4-11	1 1/4-11	79	47	51
A5GBS2424		1 1/2-11	1 1/2-11	80	51	57
A5GBS2424		1 1/2-11	1 1/2-11	80	51	57
A5GBS3232		2-11	2-11	93	63	72



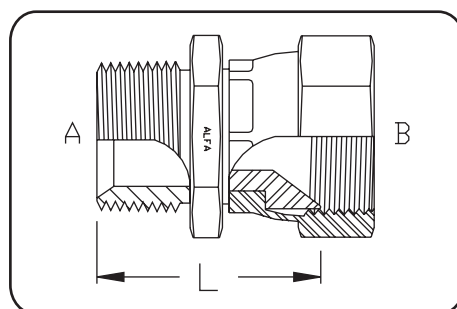
(A) Thread Specs: [Reference Tables, page 197](#)

(B) Thread Specs: [Reference Tables, page 194](#)

- **Stainless** (316) Change 1st Letter from A to S

BSPT X JIC SWIVEL

Part Number	R.R. Price	BSPT A	JIC SWIVEL B	L	Hex A/F	Swivel Hex A/F
A5GJS0207		1/8-28	7/16-20	35	13	19
A5GJS0407		1/4-19	7/16-20	41	16	19
A5GJS0408		1/4-19	1/2-20	41	16	19
A5GJS0614		3/8-19	7/8-14	44	25	30
A5GJS0814		1/2-14	7/8-14	49	25	30
A5GJS0817		1/2-14	1 1/16-12	51	27	33
A5GJS2030		1 1/4-11	1 7/8-12	71	51	57
A5GJS2430		1 1/2-11	1 7/8-12	71	51	57
A5GJS3240		2-11	2 1/2-12	83	63	77



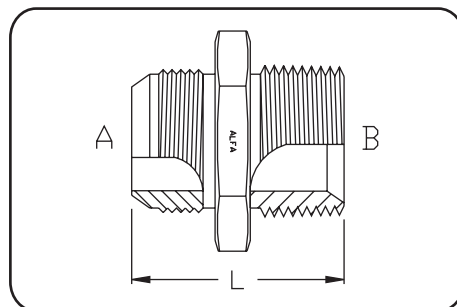
(A) Thread Specs: [Reference Tables, page 197](#)

(B) Thread Specs: [Reference Tables, page 199](#)

- **Stainless** (316) Change 1st Letter from A to S

JIS BSPP 60° X BSPT

Part Number	R.R. Price	JIS BSPP A	BSPT B	L	Hex A/F
A5LG0404		1/4-19	1/4-19	41	16
A5LG0602		3/8-19	1/8-28	37	19
A5LG0604		3/8-19	1/4-19	43	19
A5LG0606		3/8-19	3/8-19	43	19
A5LG0804		1/2-14	1/4-19	43	25
A5LG0806		1/2-14	3/8-19	43	25
A5LG0808		1/2-14	1/2-14	48	25
A5LG1212		3/4-14	3/4-14	54	30
A5LG1616		1-11	1-11	62	38



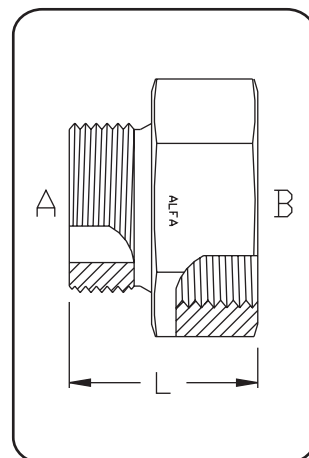
(B) Thread Specs: [Reference Tables, page 197](#)

- **Stainless** (316) Change 1st Letter from A to S

THREADED ADAPTORS

METRIC X BSPPF

Part Number	R.R. Price	Metric A	BSPPF B	L	Hex A/F
A5HMB1002		M10-1.0	1/8-28	26	16
A5HMB1204		M12-1.5	1/4-19	31	22
A5HMB1404		M14-1.5	1/4-19	31	22
A5HMB1604		M16-1.5	1/4-19	31	22
A5HMB1606		M16-1.5	3/8-19	35	27
A5HMB1806		M18-1.5	3/8-19	35	27
A5HMB1808		M18-1.5	1/2-14	36	30
A5HMB2004		M20-1.5	1/4-19	31	27
A5HMB2204		M22-1.5	1/4-19	25	30
A5HMB2208		M22-1.5	1/2-14	35	30
A5HMB2212		M22-1.5	3/4-14	41	38
A5HMB2404		M24-1.5	1/4-19	25	30
A5HMB2704		M27-2.0	1/4-19	27	35
A5HMB2706		M27-2.0	3/8-19	36	35
A5HMB2708		M27-2.0	1/2-14	37	35
A5HMB3008		M30-2.0	1/2-14	37	38
A5HMB3312		M33-2.0	3/4-14	42	41
A5HMB3816		M38-1.5	1-11	41	47



(A) Thread Specs: [Reference Tables, page 195](#)

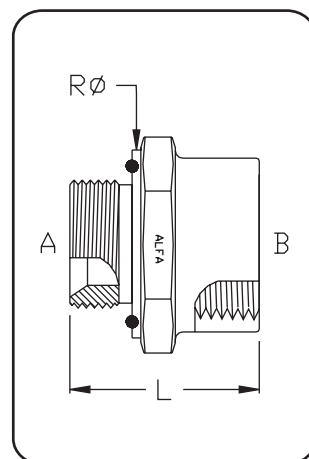
(B) Thread Specs: [Reference Tables, page 194](#)

Bonded Seal (Metric): [Reference Tables, page 189](#)

- **Stainless** (316) Change 1st Letter from A to S

BSPP ENC O-RING X NPTF

Part Number	R.R. Price	BSPP A	NPTF B	L	Boss Ø	Hex A/F
A5HBEN0402		1/4-19	1/8-27	30	22	22
A5HBEN0806		1/2-14	3/8-18	41	33	33
A5HBEN0812		1/2-14	3/4-14	46	33	38
A5HBEN1212		3/4-14	3/4-14	48	38	40
A5HBEN1616		1-11	1-11.5	57	46	47
A5HBEN2020		1 1/4-11	1 1/4-11.5	61	55	57
A5HBEN2424		1 1/2-11	1 1/2-11.5	62	61	63
A5HBEN3232		2-11	2-11.5	67	75	77
A5HBEN4032		2 1/2-11	2-11.5	45	91	83
A5HBEN4040		2 1/2-11	2 1/2-8	72	91	93



(A) Thread Specs: [Reference Tables, page 194](#)

(B) Thread Specs: [Reference Tables, page 198](#)

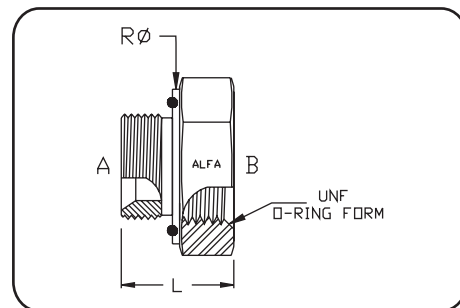
- **Stainless** (316) Change 1st Letter from A to S

THREADED ADAPTORS



BSPP ENC O-RING X UNF-O

Part Number	R.R. Price	BSPP A	NPTF B	L	Boss Ø	Hex A/F
A5HBEU0612		3/8-19	3/4-16	34	27	30
A5HBEU0812		1/2-14	3/4-16	62	33	33
A5HBEU1217		3/4-14	1 1/16-12	44	38	41
A5HBEU1617		1-11	1 1/16-12	62	46	47
A5HBEU1621		1-11	1 5/16-12	45	46	47
A5HBEU2026		1 1/4-11	1 5/8-12	48	55	57
A5HBEU2430		1 1/2-11	1 7/8-12	50	61	63
A5HBEU3221		2-11	1 5/16-12	43	75	68
A5HBEU3226		2-11	1 5/8-12	43	75	68
A5HBEU3230		2-11	1 7/8-12	55	75	68



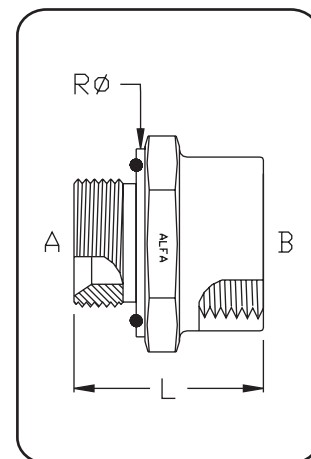
(A) Thread Specs: [Reference Tables, page 194](#)

(B) Thread Specs: [Reference Tables, page 200](#)

- **Stainless** (316) Change 1st Letter from A to S

BSPP X METRIC FEMALE

Part Number	R.R. Price	B A	NF B	L	Hex A/F
A5HBM0410		1/4-19	M10-1.0	31	19
A5HBM0412		1/4-19	M12-1.5	28	19
A5HBM0414		1/4-19	M14-1.5	32	22
A5HBM0616		3/8-19	M16-1.5	34	25
A5HBM0818		1/2-14	M18-1.5	32	27
A5HBM0820		1/2-14	M20-1.5	36	30
A5HBM0822		1/2-14	M22-1.5	38	32
A5HBM1230		3/4-14	M30-2.0	43	41
A5HBM1630		1-11	M30-2.0	42	41
A5HBM3250		2-11	M50-1.5	55	70



(A) Thread Specs: [Reference Tables, page 194](#)

(B) Thread Specs: [Reference Tables, page 197](#)

Bonded Seal (BSPP): [Reference Tables, page 188](#)

- **Stainless** (316) Change 1st Letter from A to S



THREADED ADAPTORS

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SUCTION ADAPTORS



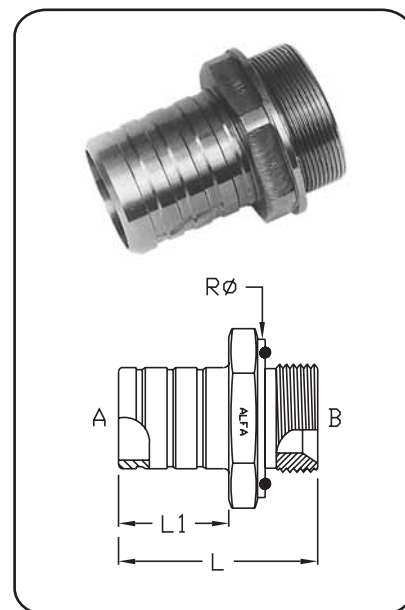
SUCTION ADAPTORS

Description	Part Number	Page No.
SUCTION X BSPP - STRAIGHT (ONE PIECE)	A6SBA	138
SUCTION X NPT STRAIGHT (ONE PIECE)	A6SNA	138
SUCTION X UNO STRAIGHT (ONE PIECE)	A6SUA	139
SUCTION X BSPT STRAIGHT (ONE PIECE)	A6SGA	139
SUCTION X BSPT 45° (WELDED)	A6SGB	140
SUCTION X BSPT 90° (WELDED)	A6SGC	140
SUCTION X SAE STRAIGHT (ONE PIECE)	A6SIA	141
SUCTION X INSERT 45° (WELDED)	A6SIB	141
SUCTION X INSERT 90° (WELDED)	A6SIC	142
SUCTION X BUTT WELD PIPE	A6SP	142
SUCTION X BUTT WELD TUBE	A6ST	143

SUCTION ADAPTORS

SUCTION X BSPP - STRAIGHT (ONE PIECE)

Part Number	R.R. Price	Hosetail A	A - Ø	BSPP B	L	L1	Boss R - Ø	Hex A/F	BSPP O-Ring
A6SBA1208		3/4	19.1	1/2-14	69	40	33	30	A9SRB08
A6SBA1212		3/4	19.1	3/4-14	71	40	38	35	A9SRB12
A6SBA1612		1	25.4	3/4-14	70	40	38	38	A9SRB12
A6SBA1616		1	25.4	1-11	74	40	46	42	A9SRB16
A6SBA1620		1	25.4	1 1/4-11	76	40	55	50	A9SRB20
A6SBA2016		1 1/4	31.8	1-11	83	50	46	47	A9SRB16
A6SBA2020		1 1/4	31.8	1 1/4-11	86	50	55	50	A9SRB20
A6SBA2024		1 1/4	31.8	1 1/2-11	90	50	61	56	A9SRB24
A6SBA2420		1 1/2	38.1	1 1/4-11	87	50	55	57	A9SRB20
A6SBA2424		1 1/2	38.1	1 1/2-11	90	50	61	56	A9SRB24
A6SBA2432		1 1/2	38.1	2-11	92	50	75	68	A9SRB32
A6SBA3224		2	50.8	1 1/2-11	89	50	61	63	A9SRB24
A6SBA3232		2	50.8	2-11	92	50	75	68	A9SRB32
A6SBA4032		2 1/2	63.5	2-11	111	70	75	77	A9SRB32
A6SBA4040		2 1/2	63.5	2 1/2-11	114	70	91	83	A9SRB40
A6SBA4848		3	76.2	3-11	115	70	104	106	A9SRB48
A6SBA6464		4	101.6	4-11	119	70	131	133	A9SRB64



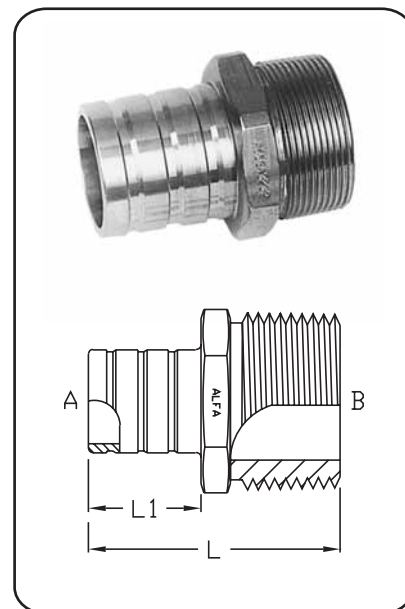
Thread Specifications: [Reference Tables, page 194](#)

- **Stainless** (316L) Change 1st Letter from A to S

Finish - Zinc Plated

SUCTION X NPT STRAIGHT (ONE PIECE)

Part Number	R.R. Price	Hosetail A	A - Ø	NPT B	L	L1	Hex A/F
A6SNA1212		3/4	19.1	3/4-14	72	40	32
A6SNA1612		1	25.4	3/4-14	72	40	32
A6SNA1616		1	25.4	1-11.5	77	40	38
A6SNA1620		1	25.4	1 1/4-11.5	82	40	41
A6SNA2016		1 1/4	31.8	1-11.5	87	50	38
A6SNA2020		1 1/4	31.8	1 1/4-11.5	89	50	47
A6SNA2420		1 1/2	38.1	1 1/4-11.5	89	50	47
A6SNA2424		1 1/2	38.1	1 1/2-11.5	89	50	51
A6SNA2432		1 1/2	38.1	2-11.5	96	50	57
A6SNA3224		2	50.8	1 1/2-11.5	89	50	53
A6SNA3232		2	50.8	2-11.5	93	50	63
A6SNA3240		2	50.8	2 1/2-8	99	50	69
A6SNA4032		2 1/2	63.5	2-11.5	113	70	66
A6SNA4040		2 1/2	63.5	2 1/2-8	116	70	78
A6SNA4840		3	76.2	2 1/2-8	116	70	78
A6SNA4848		3	76.2	3-8	118	70	93



Thread Specifications: [Reference Tables, page 198](#)

- **Stainless** (316L) Change 1st Letter from A to S

Finish - Zinc Plated

SUCTION ADAPTORS

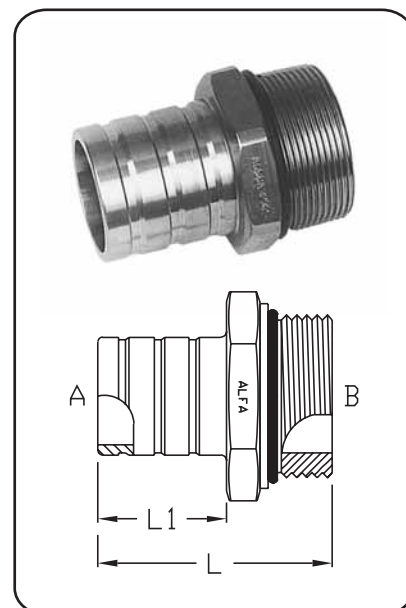


SUCTION X UNO STRAIGHT (ONE PIECE)

Part Number	R.R. Price	Hosetail A	A - Ø	UNO B	L	L1	Hex A/F	UNO O-Ring
A6SUA1621		1	25.4	1 5/16-12	69	40	35	A9SUN21
A6SUA2021		1 1/4	31.8	1 5/16-12	80	50	41	A9SUN21
A6SUA2026		1 1/4	31.8	1 5/8-12	80	50	44	A9SUN26
A6SUA2030		1 1/4	31.8	1 7/8-12	80	50	49	A9SUN30
A6SUA2426		1 1/2	38.1	1 5/8-12	80	50	51	A9SUN26
A6SUA2430		1 1/2	38.1	1 7/8-12	82	50	57	A9SUN30
A6SUA3230		2	50.8	1 7/8-12	82	50	57	A9SUN30
A6SUA3240		2	50.8	2 1/2-12	82	50	70	A9SUN40
A6SUA4040		2 1/2	63.5	2 1/2-12	102	70	70	A9SUN40

Thread Specifications: [Reference Tables, page 199](#)

•**Stainless** (316L) Change 1st Letter from A to S



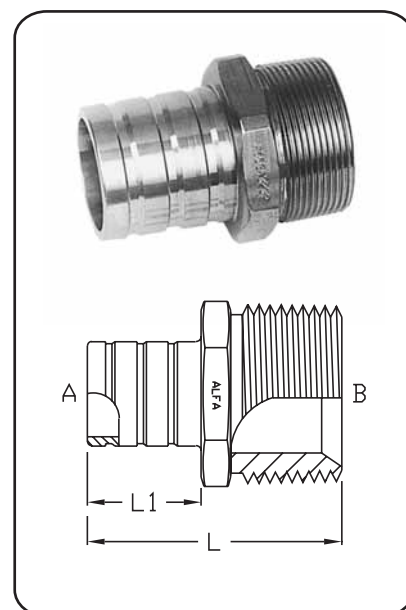
Finish - Zinc Plated

SUCTION X BSPT STRAIGHT (ONE PIECE)

Part Number	R.R. Price	Hosetail A	A - Ø	BSPT B	L	L1	Hex A/F
A6SGA1212		3/4	19.1	3/4-14	72	40	32
A6SGA1616		1	25.4	1-11	77	40	38
A6SGA1620		1	25.4	1 1/4-11	82	40	41
A6SGA2016		1 1/4	31.8	1-11	87	50	38
A6SGA2020		1 1/4	31.8	1 1/4-11	89	50	47
A6SGA2420		1 1/2	38.1	1 1/4-11	89	50	47
A6SGA2424		1 1/2	38.1	1 1/2-11	89	50	51
A6SGA2432		1 1/2	38.1	2-11	96	50	57
A6SGA3224		2	50.8	1 1/2-11	89	50	53
A6SGA3232		2	50.8	2-11	93	50	63
A6SGA3240		2	50.8	2 1/2-11	99	50	71
A6SGA4032		2 1/2	63.5	2-11	113	70	66
A6SGA4040		2 1/2	63.5	2 1/2-11	116	70	80
A6SGA4048		2 1/2	63.5	3-11	121	70	83
A6SGA4840		3	76.2	2 1/2-11	116	70	80
A6SGA4848		3	76.2	3-11	118	70	93
A6SGA5648		3 1/2	88.9	3-11	118	70	93
A6SGA5664		3 1/2	88.9	4-11	122	70	118
A6SGA6448		4	101.6	3-11	118	70	104
A6SGA6464		4	101.6	4-11	122	70	118

Thread Specifications: [Reference Tables, page 197](#)

•**Stainless** (316L) Change 1st Letter from A to S



Finish - Zinc Plated

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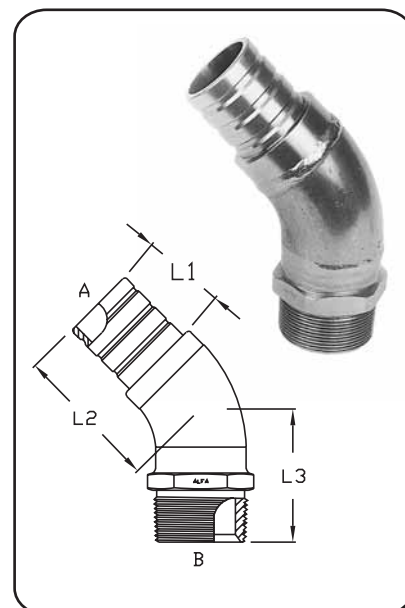
SUCTION ADAPTORS

SUCTION X BSPT 45° (WELDED)

Part Number	R.R. Price	Hosetail A	A - Ø	BSPT B	L1	L2	L3	Hex A/F
A6SGB2424		1 1/2	38.1	1 1/2-11	50	101	86	53
A6SGB2432		1 1/2	38.1	2-11	50	101	93	57
A6SGB3224		2	50.8	1 1/2-11	50	97	86	53
A6SGB3232		2	50.8	2-11	50	107	96	65
A6SGB3240		2	50.8	2-11	50	107	101	65
A6SGB4032		2 1/2	63.5	2-11	70	123	96	65
A6SGB4040		2 1/2	63.5	2 1/2-11	70	139	110	80
A6SGB4048		2 1/2	63.5	3-11	70	139	115	80
A6SGB4840		3	76.2	2 1/2-11	70	134	110	80
A6SGB4848		3	76.2	3-11	70	147	119	93
A6SGB4864		3	76.2	4-11	70	147	126	106

Thread Specifications: [Reference Tables, page 197](#)

•Stainless (316L) Change 1st Letter from A to S



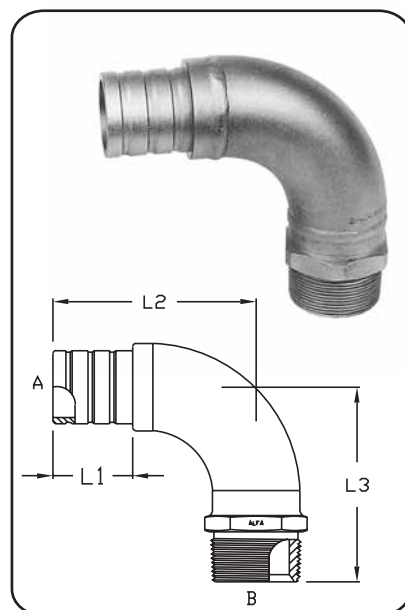
Finish - Zinc Plated

SUCTION X BSPT 90° (WELDED)

Part Number	R.R. Price	Hosetail A	A - Ø	BSPT B	L1	L2	L3	Hex A/F
A6SGC2424		1 1/2	38.1	1 1/2-11	50	129	114	53
A6SGC2432		1 1/2	38.1	2-11	50	129	121	57
A6SGC3224		2	50.8	1 1/2-11	50	125	114	53
A6SGC3232		2	50.8	2-11	50	148	137	65
A6SGC3240		2	50.8	2 1/2-11	50	148	142	65
A6SGC4032		2 1/2	63.5	2-11	70	164	137	65
A6SGC4040		2 1/2	63.5	2 1/2-11	70	189	160	80
A6SGC4048		2 1/2	63.5	3-11	70	189	165	80
A6SGC4840		3	76.2	2 1/2-11	70	184	160	80
A6SGC4848		3	76.2	3-11	70	210	182	93

Thread Specifications: [Reference Tables, page 197](#)

•Stainless (316L) Change 1st Letter from A to S



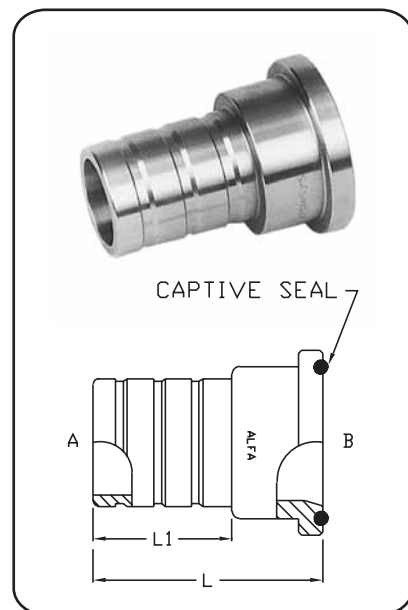
Finish - Zinc Plated

SUCTION ADAPTORS



SUCTION X SAE STRAIGHT (ONE PIECE)

Part Number	R.R. Price	Hosetail A	A - Ø	SAE B	L	L1	SAE - B O-Ring	Flanges
A6SIA2016		1 1/4	31.8	1	78	50	A9SS16	Either
A6SIA2020		1 1/4	31.8	1 1/4	76	50	A9SS20	Either
A6SIA2420		1 1/2	38.1	1 1/4	76	50	A9SS20	Either
A6SIA2424		1 1/2	38.1	1 1/2	79	50	A9SS24	Either
A6SIA2432		1 1/2	38.1	2	80	50	A9SS32	Either
A6SIA3224		2	50.8	1 1/2	79	50	A9SS24	Splits
A6SIA3232		2	50.8	2	80	50	A9SS32	Either
A6SIA3240		2	50.8	2 1/2	92	50	A9SS40	Either
A6SIA3248		2	50.8	3	95	50	A9SS48	Either
A6SIA4032		2 1/2	63.5	2	100	70	A9SS32	Splits
A6SIA4040		2 1/2	63.5	2 1/2	112	70	A9SS40	Either
A6SIA4048		2 1/2	63.5	3	115	70	A9SS48	Either
A6SIA4832		3	76.2	2	113	70	A9SS32	Splits
A6SIA4840		3	76.2	2 1/2	112	70	A9SS40	Splits
A6SIA4848		3	76.2	3	115	70	A9SS48	Either
A6SIA4856		3	76.2	3 1/2	102	70	A9SS56	Either
A6SIA5648		3 1/2	88.9	3	115	70	A9SS48	Either
A6SIA5656		3 1/2	88.9	3 1/2	102	70	A9SS56	Either
A6SIA5664		3 1/2	88.9	4	109	70	A9SS64	Either
A6SIA6448		4	101.6	3	126	70	A9SS48	Splits
A6SIA6456		4	101.6	3 1/2	102	70	A9SS56	Splits
A6SIA6464		4	101.6	4	109	70	A9SS64	Either



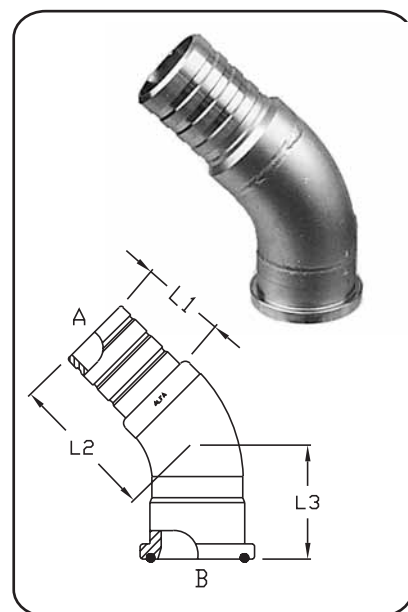
Finish - Zinc Plated

Insert Specifications: [Reference Tables, page 193](#)

•Stainless (316L) Change 1st Letter from A to S

SUCTION X INSERT 45° (WELDED)

Part Number	R.R. Price	Hosetail A	A - Ø	SAE B	L1	L2	L3	SAE - B O-Ring	Flanges
A6SIB2424		1 1/2	38.1	1 1/2	50	101	69	A9SS24	Splits
A6SIB2432		1 1/2	38.1	2	50	101	69	A9SS32	Either
A6SIB3224		2	50.8	1 1/2	50	97	69	A9SS24	Splits
A6SIB3232		2	50.8	2	50	107	75	A9SS32	Splits
A6SIB3240		2	50.8	2 1/2	50	107	77	A9SS40	Either
A6SIB4032		2 1/2	63.5	2	70	123	75	A9SS32	Splits
A6SIB4040		2 1/2	63.5	2 1/2	70	139	87	A9SS40	Splits
A6SIB4048		2 1/2	63.5	3	70	139	90	A9SS48	Either
A6SIB4832		3	76.2	2	70	123	75	A9SS32	Splits
A6SIB4840		3	76.2	2 1/2	70	134	87	A9SS40	Splits
A6SIB4848		3	76.2	3	70	147	96	A9SS48	Splits
A6SIB4856		3	76.2	3 1/2	70	147	91	A9SS56	Either
A6SIB4864		3	76.2	4	70	147	91	A9SS64	Either
A6SIB5648		3 1/2	88.9	3	70	141	96	A9SS48	Splits
A6SIB6448		4	101.6	3	70	141	96	A9SS48	Splits
A6SIB6456		4	101.6	3 1/2	70	223	173	A9SS56	Splits
A6SIB6464		4	101.6	4	70	160	104	A9SS64	Splits



Finish - Zinc Plated

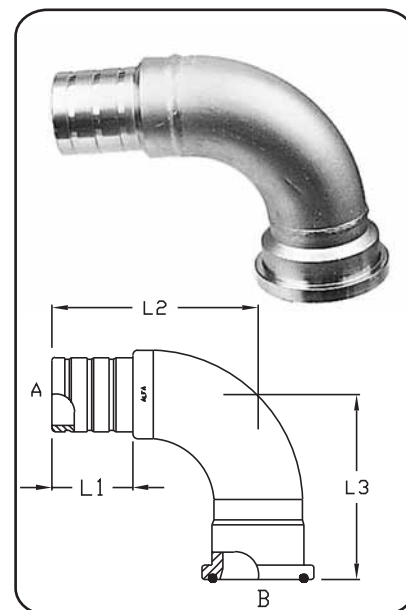
Insert Specifications: [Reference Tables, page 193](#)

•Stainless (316L) Change 1st Letter from A to S

SUCTION ADAPTORS

SUCTION X INSERT 90° (WELDED)

Part Number	R.R. Price	Hosetail A	A - Ø	SAE B	L1	L2	L3	SAE - B O-Ring	Flanges
A6SIC2424		1 1/2	38.1	1 1/2	50	129	97	A9SS24	Splits
A6SIC2432		1 1/2	38.1	2	50	129	97	A9SS32	Either
A6SIC3224		2	50.8	1 1/2	50	125	97	A9SS24	Splits
A6SIC3232		2	50.8	2	50	148	116	A9SS32	Splits
A6SIC3240		2	50.8	2 1/2	50	148	118	A9SS40	Either
A6SIC3248		2	50.8	3	50	148	121	A9SS48	Either
A6SIC4032		2 1/2	63.5	2	70	164	116	A9SS32	Splits
A6SIC4040		2 1/2	63.5	2 1/2	70	189	137	A9SS40	Splits
A6SIC4048		2 1/2	63.5	3	70	189	140	A9SS48	Either
A6SIC4056		2 1/2	63.5	3 1/2	70	210	174	A9SS56	Either
A6SIC4832		3	76.2	2	70	191	135	A9SS32	Splits
A6SIC4840		3	76.2	2 1/2	70	184	137	A9SS40	Splits
A6SIC4848		3	76.2	3	70	210	159	A9SS48	Splits
A6SIC4856		3	76.2	3 1/2	70	210	154	A9SS56	Either
A6SIC5648		3 1/2	88.9	3	70	204	159	A9SS48	Splits
A6SIC5656		3 1/2	88.9	3 1/2	70	229	173	A9SS56	Splits
A6SIC5664		3 1/2	88.9	4	70	229	173	A9SS64	Either
A6SIC6448		4	101.6	3	70	204	159	A9SS48	Splits
A6SIC6456		4	101.6	3 1/2	70	223	173	A9SS56	Splits
A6SIC6464		4	101.6	4	70	248	192	A9SS64	Splits



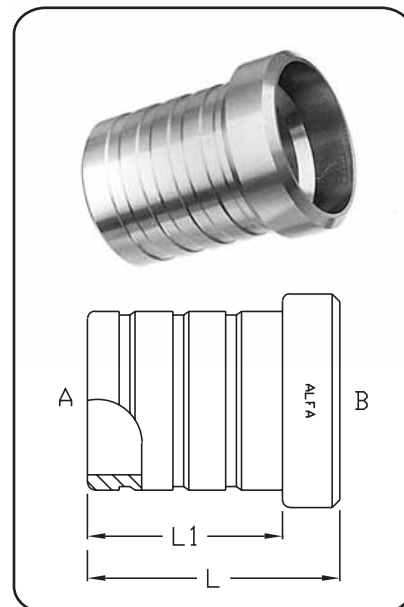
Finish - Zinc Plated

Insert Specifications: [Reference Tables, page 193](#)

- **Stainless (316L)** Change 1st Letter from A to S

SUCTION X BUTT WELD PIPE

Part Number	R.R. Price	Hosetail A	A - Ø	Pipe B	B - Ø	L	L1	Mat Grade or Equiv.
A6SP1616		1	25.4	1	33.4	61	40	250
A6SP2016		1 1/4	31.8	1	33.4	71	50	250
A6SP2020		1 1/4	31.8	1 1/4	42.2	72	50	1020
A6SP2420		1 1/2	38.1	1 1/4	42.2	72	50	1020
A6SP2424		1 1/2	38.1	1 1/2	48.3	72	50	1020
A6SP3224		2	50.8	1 1/2	48.3	68	50	1020
A6SP3232		2	50.8	2	60.3	72	50	1020
A6SP4032		2 1/2	63.5	2	60.3	88	70	1020
A6SP4040		2 1/2	63.5	2 1/2	73.0	94	70	1020
A6SP4048		2 1/2	63.5	3	88.9	96	70	1020
A6SP4832		3	76.2	2	60.3	88	70	1020
A6SP4840		3	76.2	2 1/2	73.0	89	70	1020
A6SP4848		3	76.2	3	88.9	96	70	1020
A6SP5640		3 1/2	88.9	2 1/2	73.0	89	70	1020
A6SP5648		3 1/2	88.9	3	88.9	90	70	1020
A6SP5656		3 1/2	88.9	3 1/2	101.6	96	70	1020
A6SP6448		4	101.6	3	88.9	90	70	1020
A6SP6456		4	101.6	3 1/2	101.6	90	70	1020
A6SP6464		4	101.6	4	114.3	96	70	1020
A6SP8064		5	127.0	4	114.3	105	85	1020



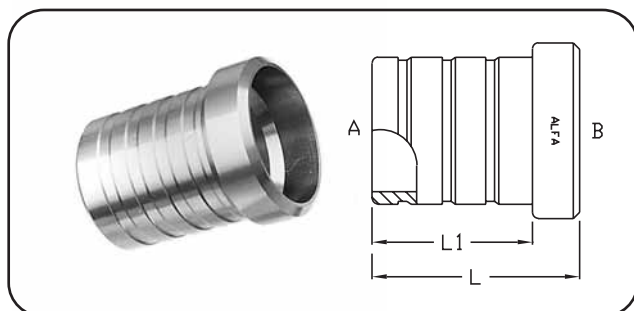
Pipe Specifications: [Reference Tables, page 202](#)

- **Stainless (316L)** Change 1st Letter from A to S

SUCTION ADAPTORS



SUCTION X BUTT WELD TUBE



Part Number	R.R. Price	Hosetail A	A - Ø	Tube B	B - Ø	L	L1	Mat Grade or Equiv.
A6ST2424		1 1/2	38.1	1 1/2	38.1	68	50	1020
A6ST3232		2	50.8	2	50.8	69	50	1020
A6ST3240		2	50.8	2 1/2	63.5	73	50	1020
A6ST4040		2 1/2	63.5	2 1/2	63.5	89	70	1020
A6ST4848		3	76.2	3	76.2	90	70	1020
A6ST6464		4	101.6	4	101.6	90	70	1020

Tube Specifications: [Reference Tables, page 203](#)

•**Stainless** (316L) Change 1st Letter from A to S



SUCTION ADAPTORS

O-RING FACE SEAL



Description	Part Number	Page No.
O-RING FACE SEAL X FLANGE 61 (ONE PIECE)	A71OFY	146
O-RING FACE SEAL SWIVEL X FLANGE 61 (ONE PIECE)	A71OSFY	146
O-RING FACE SEAL X FLANGE 62 (ONE PIECE)	A72OFY	147
O-RING FACE SEAL SWIVEL X FLANGE 62 (ONE PIECE)	A72OSFY	147
O-RING FACE SEAL X BUTT WELD PIPE	A73OP	148
O-RING FACE SEAL SWIVEL X BUTT WELD PIPE	A73OSP	148
O-RING FACE SEAL X BUTT WELD TUBE	A73OT	149
O-RING FACE SEAL SWIVEL X BUTT WELD TUBE	A73OST	149
O-RING FACE SEAL X SOCKET WELD PIPE	A74OP	150
O-RING FACE SEAL SWIVEL X SOCKET WELD PIPE	A74OSP	150
O-RING FACE SEAL X SOCKET WELD TUBE	A74OT	151
O-RING FACE SEAL SWIVEL X SOCKET WELD TUBE	A74OST	151
O-RING FACE SEAL X BSPP	A75OB	152
O-RING FACE SEAL SWIVEL X BSPP	A75OSB	152
O-RING FACE SEAL X BSPP - ENC O-RING	A75OBE	153
O-RING FACE SEAL SWIVEL X BSPP - ENC O-RING	A75OSBE	153
O-RING FACE SEAL X BSPPF	A75OBF	154
O-RING FACE SEAL SWIVEL X BSPPF	A75OSBF	154
O-RING FACE SEAL X BSPT	A75OG	155
O-RING FACE SEAL SWIVEL X BSPT	A75OSG	155
O-RING FACE SEAL X NPT	A75ON	156
O-RING FACE SEAL SWIVEL X NPT	A75OSN	156
O-RING FACE SEAL X METRIC	A75OM	157
O-RING FACE SEAL SWIVEL X METRIC	A75OSM	157
O-RING FACE SEAL X JIC	A75OJ	158
O-RING FACE SEAL SWIVEL X JIC	A75OSJ	158
O-RING FACE SEAL X UN-O	A75OU	159
O-RING FACE SEAL SWIVEL X UN-O	A75OSU	159
O-RING FACE SEAL X O-RING FACE SEAL	A75OO	160
O-RING FACE SEAL FIXED X O-RING FACE SEAL SWIVEL	A75OFOS	160
O-RING FACE SEAL X O-RING FACE SEAL FIXED	A75HOO	161
PLUG - STANDARD ORFS	A75PO	161
NUT - CAP - ORFS - SWIVEL	A75NCOS	161
ADAPTOR - ELBOW 90° ORFS	A75O	162
ADAPTOR - TEE ORFS	A7TO	162
TEE - ORFS X ORFS SWIVEL X 1/8 BSPTF	A7TOOSG	162

O-RING FACE SEAL

O-RING FACE SEAL X FLANGE 61 (ONE PIECE)

Order Code Example:

A710F#2320

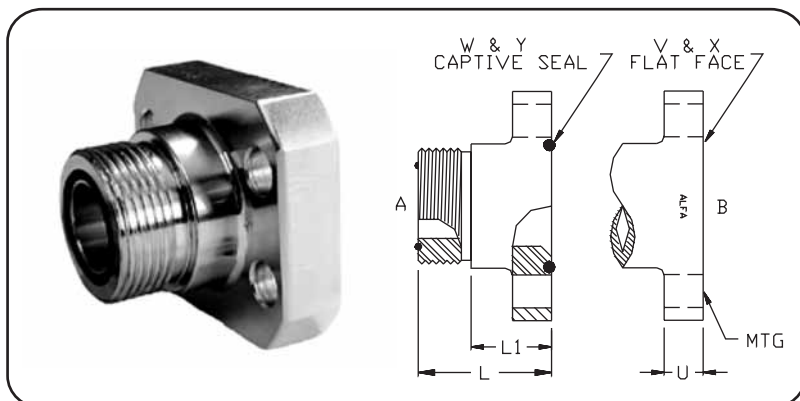
- # = V,W,X or Y
- V = Flat Face - Mtg Tapped UNC
- W = O-Ring Seal - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

Note:

For Metric Mtgs add M to Part No
e.g. A710FY2320M (Not standard)

Flange Specs: [Reference Tables, page 193](#)

Thread Specs: [Reference Tables, page 200](#)



Part Number	R.R. Price	ORFS A	SAE B	L	L1	U	T - UNC V & W	X & Y T - Ø	ORFS O-Ring	SAE - A O-Ring
A710F#1308		13/16-16	1/2	36.5	23.7	13	5/16	8.7	A9SUO13	A9SS08
A710F#1912		1 3/16-12	3/4	43.3	26.3	14	3/8	10.3	A9SUO19	A9SS12
A710F#2316		1 7/16-12	1	45.8	28.3	16	3/8	10.3	A9SUO23	A9SS16
A710F#2320		1 7/16-12	1 1/4	45.4	27.9	14	7/16	11.9	A9SUO23	A9SS20
A710F#2720		1 11/16-12	1 1/4	45.4	27.9	14	7/16	11.9	A9SO27	A9SS20
A710F#3224		2-12	1 1/2	49.0	31.5	16	1/2	13.5	A9SUO32	A9SS24
A710F#3232		2-12	2	49.0	31.5	16	1/2	13.5	A9SUO32	A9SS32

- Stainless (316) Change 1st Letter from A to S

O-RING FACE SEAL SWIVEL X FLANGE 61 (ONE PIECE)

Order Code Example:

A710SF#2320

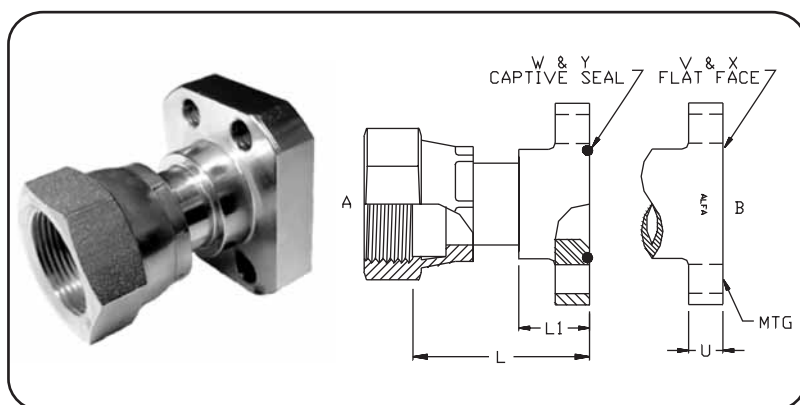
- # = V,W,X or Y
- V = Flat Face - Mtg Tapped UNC
- W = O-Ring Seal - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

Note:

For Metric Mtgs add M to Part No
e.g. A710SFY2320M (Not standard)

Flange Specs: [Reference Tables, page 193](#)

Thread Specs: [Reference Tables, page 200](#)



Part Number	R.R. Price	ORFS A	SAE B	L	L1	U	T - UNC V & W	X & Y T - Ø	Swivel Nut Hex A/F	SAE - A O-Ring
A710SF#1308		13/16	1/2	48.7	23.7	13	5/16	8.7	27	A9SS08
A710SF#1912		1 3/16	3/4	60.3	26.3	14	3/8	10.3	38	A9SS12
A710SF#2316		1 7/16	1	66.3	28.3	16	3/8	10.3	47	A9SS16
A710SF#2320		1 7/16	1 1/4	65.9	27.9	14	7/16	11.9	47	A9SS20
A710SF#2720		1 11/16	1 1/4	66.9	27.9	14	7/16	11.9	59	A9SS20
A710SF#3224		2 IN	1 1/2	70.5	31.5	16	1/2	13.5	63	A9SS24
A710SF#3232		2 IN	2	70.5	31.5	16	1/2	13.5	63	A9SS32

- Stainless (316) Change 1st Letter from A to S

O-RING FACE SEAL



O-RING FACE SEAL X FLANGE 62 (ONE PIECE)

Order Code Example:

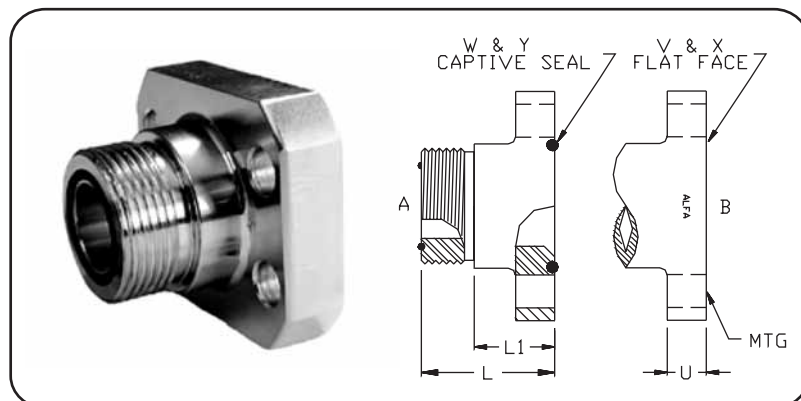
A72OF#2320

- # = V,W,X or Y
- V = Flat Face - Mtg Tapped UNC
- W = O-Ring Seal - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

Note:

For Metric Mtgs add M to Part No
e.g. A72OFY2320M (Not standard)

Flange Specs: [Reference Tables, page 193](#)
Thread Specs: [Reference Tables, page 200](#)



Part Number	R.R. Price	ORFS A	SAE B	L	L1	U	T - UNC V & W	X & Y T - Ø	ORFS O-Ring	SAE - A O-Ring
A72OF#1308		13/16-16	1/2	39.5	26.7	16	5/16	8.7	A9SUO13	A9SS08
A72OF#1912		1 3/16-12	3/4	48.3	31.3	19	3/8	10.3	A9SUO19	A9SS12
A72OF#2316		1 7/16-12	1	55.4	37.9	24	7/16	11.9	A9SO23	A9SS16
A72OF#2320		1 7/16-12	1 1/4	60.0	42.5	27	1/2	13.5	A9SUO23	A9SS20
A72OF#2720		1 11/16-12	1 1/4	60.0	42.5	27	1/2	13.5	A9SUO27	A9SS20
A72OF#3224		2-12	1 1/2	66.2	48.7	30	5/8	16.7	A9SUO32	A9SS24
A72OF#3232		2-12	2	76.3	58.8	37	3/4	19.8	A9SUO32	A9SS32

- Stainless (316) Change 1st Letter from A to S

O-RING FACE SEAL SWIVEL X FLANGE 62 (ONE PIECE)

Order Code Example:

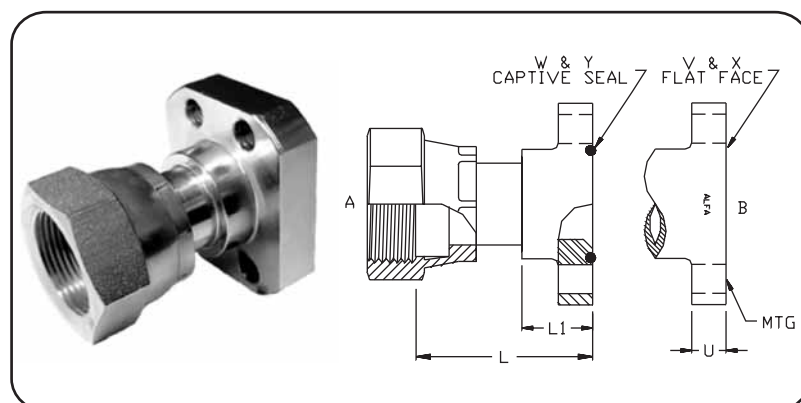
A72OF#2320

- # = V,W,X or Y
- V = Flat Face - Mtg Tapped UNC
- W = O-Ring Seal - Mtg Tapped UNC
- X = Flat Face - Mtg Clearance Holes
- Y = O-Ring Seal - Mtg Clearance Holes

Note:

For Metric Mtgs add M to Part No
e.g. A72OFY2320M (Not standard)

Flange Specs: [Reference Tables, page 193](#)
Thread Specs: [Reference Tables, page 200](#)



Part Number	R.R. Price	ORFS A	SAE B	L	L1	U	T - UNC V & W	X & Y T - Ø	Swivel Nut Hex A/F	SAE - A O-Ring
A72OSF#1308		13/1	1/2	51.7	26.7	16	5/16	8.7	27	A9SS08
A72OSF#1912		1 3/16	3/4	65.3	31.3	19	3/8	10.3	38	A9SS12
A72OSF#2316		1 7/16	1	75.9	37.9	24	7/16	11.9	47	A9SS16
A72OSF#2320		1 7/16	1 1/4	80.5	42.5	27	1/2	13.5	47	A9SS20
A72OSF#2720		1 11/16	1 1/4	81.5	42.5	27	1/2	13.5	59	A9SS20
A72OSF#3224		2 IN	1 1/2	87.7	48.7	30	5/8	16.7	63	A9SS24
A72OSF#3232		2 IN	2	97.8	58.8	37	3/4	19.8	63	A9SS32

- Stainless (316) Change 1st Letter from A to S

O-RING FACE SEAL

O-RING FACE SEAL X BUTT WELD PIPE

Part Number	R.R. Price	ORFS A	Pipe B	Pipe - Ø B	L	Hex A/F	Mat Grade or Equiv.
A73OP1608?		1-14	1/2	21.3	45.5	26	250
A73OP1908?		1 3/16-12	1/2	21.3	49.0	31	250
A73OP1912?		1 3/16-12	3/4	26.7	49.0	31	250
A73OP2312?		1 7/16-12	3/4	26.7	49.5	36	1020
A73OP2316?		1 7/16-12	1	33.4	50.5	36	1020
A73OP2716?		1 11/16-12	1	33.4	51.5	42	1020
A73OP2720?		1 11/16-12	1 1/4	42.2	48.5	46	1020
A73OP3220?		2-12	1 1/4	42.2	51.5	49	1020
A73OP3224?		2-12	1 1/2	48.3	48.5	54	1020
A73OP3232?		2-12	2	60.3	51.5	63	1020

Note:

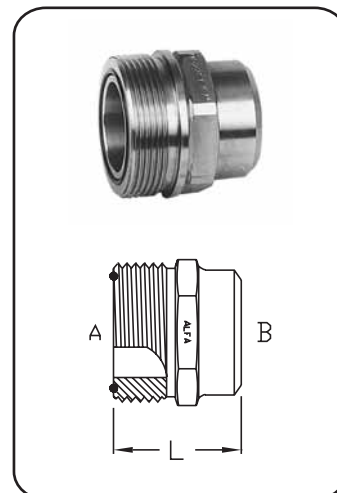
Length L stated for Sched 80 (H) with weld prep. @ 45 deg.

Lengths for other pipe schedules vary by the difference of weld prep.

- **Stainless (316)** Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 200](#)



Order Code Example:

A73OP2716?

- ? = Pipe Sched
- D = Sched 40
- H = Sched 80
- P = Sched 160

O-RING FACE SEAL SWIVEL X BUTT WELD PIPE

Part Number	R.R. Price	ORFS A	Pipe B	Pipe - Ø B	L	Hex A/F	Swivel Nut Hex A/F	Mat Grade or Equiv.
A73OSP1608?		1-14	1/2	21.3	55.0	25	32	250
A73OSP1908?		1 3/16-12	1/2	21.3	63.0	30	38	250
A73OSP1912?		1 3/16-12	3/4	26.7	63.0	30	38	250
A73OSP2312?		1 7/16-12	3/4	26.7	67.0	36	47	1020
A73OSP2316?		1 7/16-12	1	33.4	68.0	36	47	1020
A73OSP2716?		1 11/16-12	1	33.4	70.0	43	59	1020
A73OSP2720?		1 11/16-12	1 1/4	42.2	70.0	45	59	1020
A73OSP3220?		2-12	1 1/4	42.2	70.0	51	63	1020
A73OSP3224?		2-12	1 1/2	48.3	70.0	51	63	1020
A73OSP3232?		2-12	2	60.3	73.0	63	63	1020

Note:

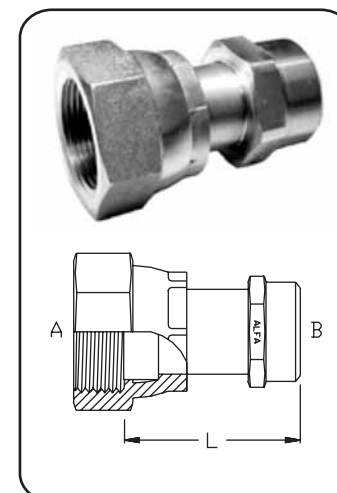
Length L stated for Sched 80 (H) with weld prep. @ 45 deg.

Lengths for other pipe schedules vary by the difference of weld prep.

- **Stainless (316)** Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 200](#)



Order Code Example:

A73OSP2716?

- ? = Pipe Sched
- D = Sched 40
- H = Sched 80
- P = Sched 160

O-RING FACE SEAL



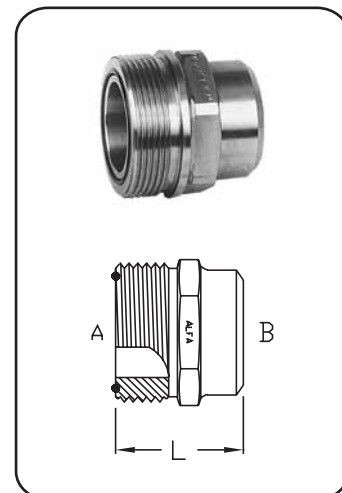
O-RING FACE SEAL X BUTT WELD TUBE

Part Number	R.R. Price	ORFS A	Tube B	Tube - Ø B	L	Hex A/F	Mat Grade or Equiv.
A73OT1612		1-14	3/4	19.1	39.5	26	250
A73OT1912		1 3/16-12	3/4	19.1	43.0	31	250
A73OT1916		1 3/16-12	1	25.4	49.0	31	250
A73OT2312		1 7/16-12	3/4	19.1	43.5	36	1020
A73OT2316		1 7/16-12	1	25.4	49.5	36	1020
A73OT2320		1 7/16-12	1 1/4	31.8	49.5	36	1020
A73OT2324		1 7/16-12	1 1/2	38.1	47.5	40	1020
A73OT2720		1 11/16-12	1 1/4	31.8	50.5	42	1020
A73OT2724		1 11/16-12	1 1/2	38.1	50.5	42	1020
A73OT3224		2-12	1 1/2	38.1	50.5	49	1020
A73OT3232		2-12	2	50.8	48.5	54	1020

- **Stainless (316)** Change 1st Letter from A to S

Tube Specifications: [Reference Tables, page 203](#)

Thread Specifications: [Reference Tables, page 200](#)



Metric Tube Example:

A73OTM2330-3?

TM = Metric Tube

30 = Metric Tube OD

-3 = Metric Tube Wall Thickness

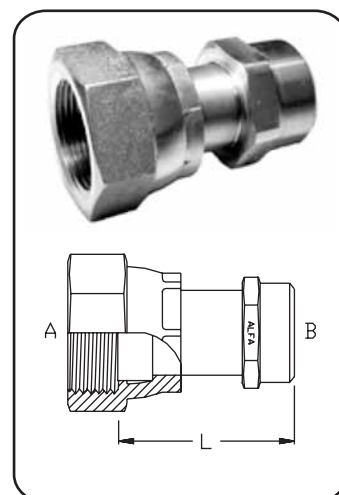
O-RING FACE SEAL SWIVEL X BUTT WELD TUBE

Part Number	R.R. Price	ORFS A	Pipe B	Pipe - Ø B	L	Hex A/F	Swivel Nut Hex A/F	Mat Grade or Equiv.
A73OST1612		1 IN	3/4	19.05	49	25	32	250
A73OST1912		1 3/16	3/4	19.05	57	30	38	250
A73OST1916		1 3/16	1	25.4	63	30	38	250
A73OST2312		1 7/16	3/4	19.05	61	36	47	1020
A73OST2316		1 7/16	1	25.4	67	36	47	1020
A73OST2320		1 7/16	1 1/4	31.75	67	36	47	1020
A73OST2324		1 7/16	1 1/2	38.1	68	40	47	1020
A73OST2720		1 11/16	1 1/4	31.75	69	43	59	1020
A73OST2724		1 11/16	1 1/2	38.1	69	43	59	1020
A73OST3224		2 IN	1 1/2	38.1	69	51	63	1020
A73OST3232		2 IN	2	50.8	70	53	63	1020

- **Stainless (316)** Change 1st Letter from A to S

Tube Specifications: [Reference Tables, page 203](#)

Thread Specifications: [Reference Tables, page 200](#)



Metric Tube Example:

A73OTM2330-3?

TM = Metric Tube

30 = Metric Tube OD

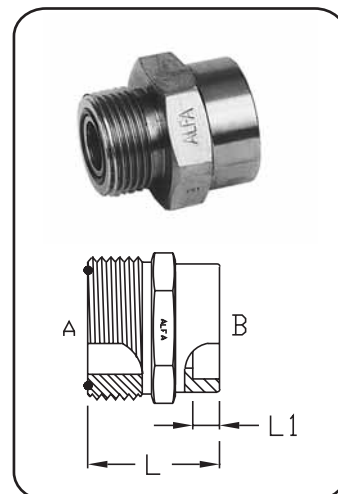
-3 = Metric Tube Wall Thickness

7

O-RING FACE SEAL

O-RING FACE SEAL X SOCKET WELD PIPE

Part Number	R.R. Price	ORFS A	Pipe B	Pipe - Ø B	L	L1	Hex A/F 3000 lbs	Mat Grade or Equiv.	ORFS O-Ring
A74OP1104?		11/16-16	1/4	13.7	34.2	10	24	250	A9SUO11
A74OP1306?		13/16-16	3/8	17.1	35.8	10	28	250	A9SUO13
A74OP1308?		13/16-16	1/2	21.3	38.5	10	33	1020	A9SUO13
A74OP1608?		1-14	1/2	21.3	41.5	10	33	1020	A9SUO16
A74OP1908?		1 3/16-12	1/2	21.3	43.0	10	34	1020	A9SUO19
A74OP1912?		1 3/16-12	3/4	26.7	43.0	13	39	1020	A9SUO19
A74OP2312?		1 7/16-12	3/4	26.7	44.5	13	40	1020	A9SUO23
A74OP2316?		1 7/16-12	1	33.4	44.5	13	47	1020	A9SUO23
A74OP2712?		1 11/16-12	3/4	26.7	47.5	13	42	1020	A9SUO27
A74OP2716?		1 11/16-12	1	33.4	44.5	13	47	1020	A9SUO27
A74OP2720?		1 11/16-12	1 1/4	42.2	46.5	13	57	1020	A9SUO27
A74OP3220?		2-12	1 1/4	42.2	46.5	13	57	1020	A9SUO32
A74OP3224?		2-12	1 1/2	48.3	46.5	13	63	1020	A9SUO32
A74OP3232?		2-12	2	60.3	49.5	16	77	1020	A9SUO32



Order Code Example:

A74OP2716?

- ? = Pipe Series
- C = 3000 lbs (Sched 80)
- F = 6000 lbs (Sched 160)

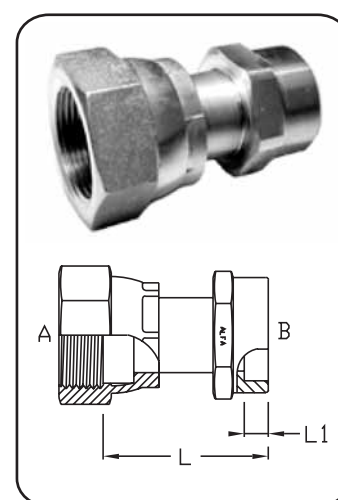
- **Stainless (316)** Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 200](#)

O-RING FACE SEAL SWIVEL X SOCKET WELD PIPE

Part Number	R.R. Price	ORFS A	Pipe B	Pipe - Ø B	L	L1	Hex A/F 3000 lbs	Swivel Nut Hex A/F	Mat Grade or Equiv.
A74OSP1104?		11/16	1/4	13.7	46.2	10	24	22	250
A74OSP1306?		13/16	3/8	17.1	48.8	10	28	27	250
A74OSP1308?		13/16	1/2	21.3	51.8	10	33	27	1020
A74OSP1608?		1 IN	1/2	21.3	54.5	10	33	32	1020
A74OSP1908?		1 3/16	1/2	21.3	60.0	10	33	38	1020
A74OSP1912?		1 3/16	3/4	26.7	60.0	13	39	38	1020
A74OSP2312?		1 7/16	3/4	26.7	64.0	13	39	47	1020
A74OSP2316?		1 7/16	1	33.4	62.5	13	47	47	1020
A74OSP2712?		1 11/16	3/4	26.7	65.5	13	43	59	1020
A74OSP2716?		1 11/16	1	33.4	65.5	13	47	59	1020
A74OSP2720?		1 11/16	1 1/4	42.2	67.5	13	57	59	1020
A74OSP3220?		2 IN	1 1/4	42.2	67.5	13	57	63	1020
A74OSP3224?		2 IN	1 1/2	48.3	67.5	13	63	63	1020
A74OSP3232?		2 IN	2	60.3	70.5	16	77	63	1020



Order Code Example:

A74OSP2716?

- ? = Pipe Series
- C = 3000 lbs (Sched 80)
- F = 6000 lbs (Sched 160)

- **Stainless (316)** Change 1st Letter from A to S

Pipe Specifications: [Reference Tables, page 202](#)

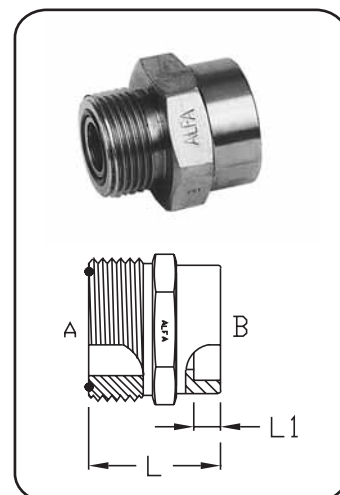
Thread Specifications: [Reference Tables, page 200](#)

O-RING FACE SEAL



O-RING FACE SEAL X SOCKET WELD TUBE

Part Number	R.R. Price	ORFS A	Tube B	Tube - Ø B	L	L1	Hex A/F	Mat Grade or Equiv.	ORFS O-Ring
A74OT0904		9/16-18	1/4	6.4	32.8	10	18	250	A9SU009
A74OT0905		9/16-18	5/16	7.9	32.8	10	18	250	A9SU009
A74OT0906		9/16-18	3/8	9.5	32.8	10	18	250	A9SU009
A74OT1106		11/16-16	3/8	9.5	34.2	10	21	250	A9SU011
A74OT1108		11/16-16	1/2	12.7	34.2	10	21	250	A9SU011
A74OT1306		13/16-16	3/8	9.5	39.8	10	22	250	A9SU013
A74OT1308		13/16-16	1/2	12.7	39.8	10	22	250	A9SU013
A74OT1310		13/16-16	5/8	15.9	35.8	10	26	250	A9SU013
A74OT1608		1-14	1/2	12.7	42.5	10	26	250	A9SU016
A74OT1610		1-14	5/8	15.9	42.5	10	26	250	A9SU016
A74OT1612		1-14	3/4	19.1	41.5	10	31	250	A9SU016
A74OT1910		1 3/16-12	5/8	15.9	46.0	10	31	250	A9SU019
A74OT1912		1 3/16-12	3/4	19.1	46.0	10	31	250	A9SU019
A74OT1916		1 3/16-12	1	25.4	43.0	13	37	1020	A9SU019
A74OT2312		1 7/16-12	3/4	19.1	46.5	10	36	1020	A9SU023
A74OT2316		1 7/16-12	1	25.4	46.5	13	36	1020	A9SU023
A74OT2320		1 7/16-12	1 1/4	31.8	44.5	13	45	1020	A9SU023
A74OT2324		1 7/16-12	1 1/2	38.1	44.5	13	51	1020	A9SU023
A74OT2716		1 11/16-12	1	25.4	47.5	13	42	1020	A9SU027
A74OT2720		1 11/16-12	1 1/4	31.8	44.5	13	46	1020	A9SU027
A74OT2724		1 11/16-12	1 1/2	38.1	44.5	13	51	1020	A9SU027
A74OT3224		2-12	1 1/2	38.1	44.5	13	54	1020	A9SU032
A74OT3232		2-12	2	50.8	46.5	13	64	1020	A9SU032



Metric Tube Example:

A74OTM2330-3?

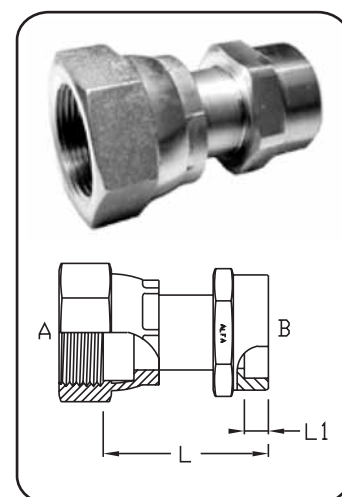
TM = Metric Tube

30 = Metric Tube OD

-3 = Metric Tube Wall Thickness

O-RING FACE SEAL SWIVEL X SOCKET WELD TUBE

Part Number	R.R. Price	ORFS A	Tube B	Tube - Ø B	L	L1	Hex A/F	Swivel Nut Hex A/F	Mat Grade or Equiv.
A74OST0904		9/16	1/4	6.4	44.8	10	15	19	250
A74OST0905		9/16	5/16	7.9	44.8	10	16	19	250
A74OST0906		9/16	3/8	9.5	44.8	10	17	19	250
A74OST1106		11/16	3/8	9.5	46.2	10	18	22	250
A74OST1108		11/16	1/2	12.7	46.2	10	21	22	250
A74OST1306		13/16	3/8	9.5	48.8	10	21	27	250
A74OST1308		13/16	1/2	12.7	48.8	10	21	27	250
A74OST1310		13/16	5/8	15.9	48.8	10	26	27	250
A74OST1608		1 IN	1/2	12.7	51.5	10	25	32	250
A74OST1610		1 IN	5/8	15.9	51.5	10	26	32	250
A74OST1612		1 IN	3/4	19.1	54.5	10	31	32	250
A74OST1910		1 3/16	5/8	15.9	60.0	10	30	38	250
A74OST1912		1 3/16	3/4	19.1	60.0	10	31	38	250
A74OST1916		1 3/16	1	25.4	60.0	13	37	38	1020
A74OST2312		1 7/16	3/4	19.1	62.5	10	36	47	1020
A74OST2316		1 7/16	1	25.4	62.5	13	37	47	1020
A74OST2320		1 7/16	1 1/4	31.8	63.5	13	45	47	1020
A74OST2324		1 7/16	1 1/2	38.1	63.5	13	51	47	1020
A74OST2716		1 11/16	1	25.4	65.5	13	43	59	1020
A74OST2720		1 11/16	1 1/4	31.8	65.5	13	45	59	1020
A74OST2724		1 11/16	1 1/2	38.1	65.5	13	51	59	1020
A74OST3224		2 IN	1 1/2	38.1	65.5	13	51	63	1020
A74OST3232		2 IN	2	50.8	67.5	13	64	63	1020



Metric Tube Example:

A74OSTM2330-3?

TM = Metric Tube

30 = Metric Tube OD

-3 = Metric Tube Wall Thickness

- Stainless (316) Change 1st Letter from A to S

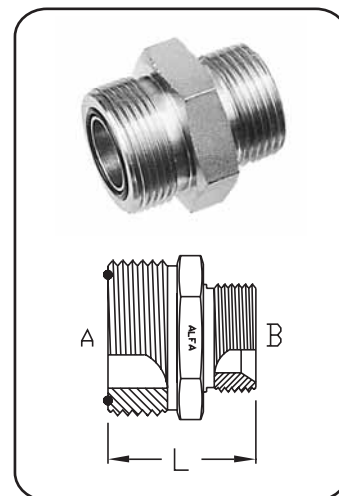
Tube Specifications: [Reference Tables, page 203](#)

Thread Specifications: [Reference Tables, page 200](#)

O-RING FACE SEAL

O-RING FACE SEAL X BSPP

Part Number	R.R. Price	ORFS A	BSPP B	L	Hex A/F	ORFS O-Ring
A75OB0902		9/16-18	1/8-28	27.8	16	A9SUO09
A75OB0904		9/16-18	1/4-19	29.8	19	A9SUO09
A75OB0906		9/16-18	3/8-19	29.8	22	A9SUO09
A75OB1102		11/16-16	1/8-28	31.2	19	A9SUO11
A75OB1104		11/16-16	1/4-19	31.2	19	A9SUO11
A75OB1106		11/16-16	3/8-19	31.2	22	A9SUO11
A75OB1304		13/16-16	1/4-19	34.8	22	A9SUO13
A75OB1306		13/16-16	3/8-19	32.8	22	A9SUO13
A75OB1308		13/16-16	1/2-14	34.8	27	A9SUO13
A75OB1312		13/16-16	3/4-14	39.8	33	A9SUO13
A75OB1608		1-14	1/2-14	37.5	27	A9SUO16
A75OB1612		1-14	3/4-14	42.5	33	A9SUO16
A75OB1908		1 3/16-12	1/2-14	45.0	32	A9SUO19
A75OB1912		1 3/16-12	3/4-14	44.0	33	A9SUO19
A75OB1916		1 3/16-12	1-11	47.0	41	A9SUO19
A75OB2312		1 7/16-12	3/4-14	47.5	38	A9SUO23
A75OB2316		1 7/16-12	1-11	47.5	41	A9SUO23
A75OB2320		1 7/16-12	1 1/4-11	49.5	51	A9SUO23
A75OB2716		1 11/16-12	1-11	50.5	47	A9SUO27
A75OB2720		1 11/16-12	1 1/4-11	49.5	51	A9SUO27
A75OB2724		1 11/16-12	1 1/2-11	53.5	57	A9SUO27
A75OB3220		2-12	1 1/4-11	54.5	57	A9SUO32
A75OB3224		2-12	1 1/2-11	53.5	57	A9SUO32
A75OB3232		2-12	2-11	55.5	70	A9SUO32



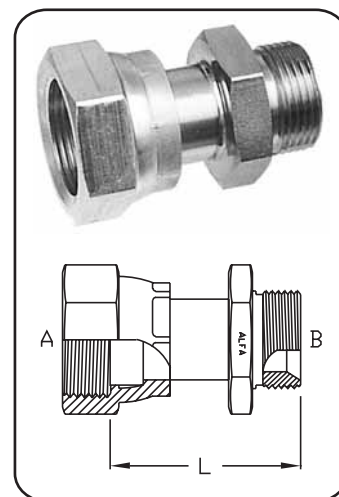
Thread Specs: [Reference Tables, page 200](#)

Thread Specs: [Reference Tables, page 194](#)

- **Stainless (316)** Change 1st Letter from A to S

O-RING FACE SEAL SWIVEL X BSPP

Part Number	R.R. Price	ORFS A	BSPP B	L	Hex A/F	Swivel Nut Hex A/F
A75OSB0902		9/16	1/8-28	36	16	19
A75OSB0904		9/16	1/4-19	38	19	19
A75OSB0906		9/16	3/8-19	38	22	19
A75OSB1102		11/16	1/8-28	41	19	22
A75OSB1104		11/16	1/4-19	41	19	22
A75OSB1106		11/16	3/8-19	41	22	22
A75OSB1304		13/16	1/4-19	47	22	27
A75OSB1306		13/16	3/8-19	45	22	27
A75OSB1308		13/16	1/2-14	47	27	27
A75OSB1312		13/16	3/4-14	52	33	27
A75OSB1608		1 IN	1/2-14	51	27	32
A75OSB1612		1 IN	3/4-14	56	33	32
A75OSB1908		1 3/16	1/2-14	62	32	38
A75OSB1912		1 3/16	3/4-14	61	33	38
A75OSB1916		1 3/16	1-11	64	41	38
A75OSB2312		1 7/16	3/4-14	68	38	47
A75OSB2316		1 7/16	1-11	68	41	47
A75OSB2320		1 7/16	1 1/4-11	70	51	47
A75OSB2716		1 11/16	1-11	72	47	59
A75OSB2720		1 11/16	1 1/4-11	71	51	59
A75OSB2724		1 11/16	1 1/2-11	75	57	59
A75OSB3220		2 IN	1 1/4-11	71	51	63
A75OSB3224		2 IN	1 1/2-11	75	57	63
A75OSB3232		2 IN	2-11	77	70	63



Thread Specs: [Reference Tables, page 200](#)

Thread Specs: [Reference Tables, page 194](#)

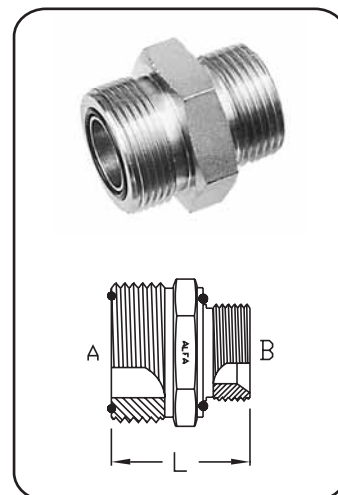
- **Stainless (316)** Change 1st Letter from A to S

O-RING FACE SEAL



O-RING FACE SEAL X BSPP - ENC O-RING

Part Number	R.R. Price	ORFS A	BSPP B	L	Boss R - Ø	Hex A/F	ORFS O-Ring
A75OBE0904		9/16-18	1/4-19	31.8	22	22	A9SUO09
A75OBE1104		11/16-16	1/4-19	33.2	22	22	A9SUO11
A75OBE1106		11/16-16	3/8-19	33.2	27	27	A9SO11
A75OBE1304		13/16-16	1/4-19	34.8	22	22	A9SUO13
A75OBE1306		13/16-16	3/8-19	34.8	27	27	A9SO13
A75OBE1308		13/16-16	1/2-14	40.8	33	33	A9SUO13
A75OBE1608		1-14	1/2-14	43.5	33	33	A9SUO16
A75OBE1612		1-14	3/4-14	45.5	38	38	A9SUO16
A75OBE1908		1 3/16-12	1/2-14	45.0	33	33	A9SUO19
A75OBE1912		1 3/16-12	3/4-14	47.0	38	38	A9SUO19
A75OBE1916		1 3/16-12	1-11	50.0	46	47	A9SUO19
A75OBE2312		1 7/16-12	3/4-14	47.5	38	38	A9SUO23
A75OBE2316		1 7/16-12	1-11	50.5	46	47	A9SUO23
A75OBE2320		1 7/16-12	1 1/4-11	54.5	55	57	A9SUO23
A75OBE2716		1 11/16-12	1-11	50.5	46	47	A9SUO27
A75OBE2720		1 11/16-12	1 1/4-11	54.5	55	57	A9SUO27
A75OBE2724		1 11/16-12	1 1/2-11	56.5	61	63	A9SUO27
A75OBE3220		2-12	1 1/4-11	54.5	55	57	A9SUO32
A75OBE3224		2-12	1 1/2-11	56.5	61	63	A9SUO32
A75OBE3232		2-12	2-11	58.5	75	77	A9SUO32



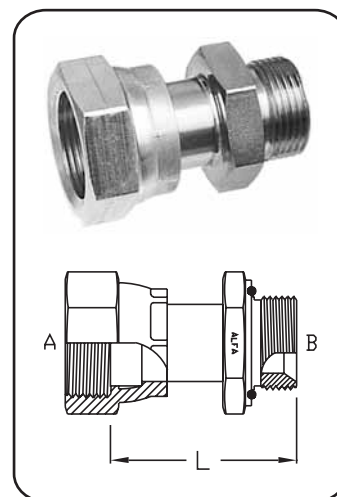
Thread Specs: [Reference Tables, page 200](#)

Thread Specs: [Reference Tables, page 194](#)

- **Stainless (316)** Change 1st Letter from A to S

O-RING FACE SEAL SWIVEL X BSPP - ENC O-RING

Part Number	R.R. Price	ORFS A	BSPP B	L	Boss R - Ø	Hex A/F	Swivel Nut Hex A/F
A75OSBE0904		9/16	1/4-19	40	22	22	19
A75OSBE1104		11/16	1/4-19	43	22	22	22
A75OSBE1106		11/16	3/8-19	43	27	27	22
A75OSBE1304		13/16	1/4-19	47	22	22	27
A75OSBE1306		13/16	3/8-19	47	27	27	27
A75OSBE1308		13/16	1/2-14	53	33	33	27
A75OSBE1608		1 IN	1/2-14	57	33	33	32
A75OSBE1612		1 IN	3/4-14	59	38	38	32
A75OSBE1908		1 3/16	1/2-14	62	33	33	38
A75OSBE1912		1 3/16	3/4-14	64	38	38	38
A75OSBE1916		1 3/16	1-11	67	46	47	38
A75OSBE2312		1 7/16	3/4-14	68	38	38	47
A75OSBE2316		1 7/16	1-11	71	46	47	47
A75OSBE2320		1 7/16	1 1/4-11	75	55	57	47
A75OSBE2716		1 11/16	1-11	72	46	47	59
A75OSBE2720		1 11/16	1 1/4-11	76	55	57	59
A75OSBE2724		1 11/16	1 1/2-11	78	61	63	59
A75OSBE3220		2 IN	1 1/4-11	76	55	57	63
A75OSBE3224		2 IN	1 1/2-11	78	61	63	63
A75OSBE3232		2 IN	2-11	80	75	77	63



- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

Thread Specifications: [Reference Tables, page 194](#)

O-RING FACE SEAL

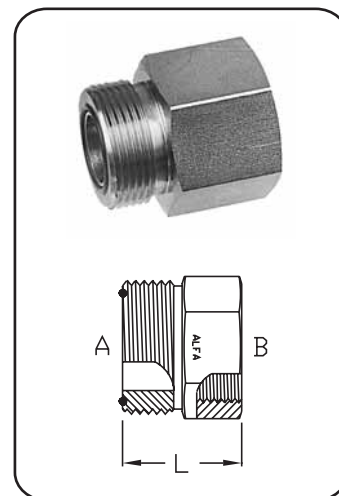
O-RING FACE SEAL X BSPPF

Part Number	R.R. Price	ORFS A	BSPPF B	L	Hex A/F	ORFS O-Ring
A75OBF0904		9/16-18	1/4-19	29.2	22	A9SUO09
A75OBF0906		9/16-18	3/8-19	30.0	27	A9SUO09
A75OBF1104		11/16-16	1/4-19	30.6	22	A9SUO11
A75OBF1106		11/16-16	3/8-19	31.4	27	A9SUO11
A75OBF1306		13/16-16	3/8-19	33.0	27	A9SUO13
A75OBF1308		13/16-16	1/2-14	35.8	33	A9SUO13
A75OBF1608		1-14	1/2-14	38.5	33	A9SUO16
A75OBF1612		1-14	3/4-14	40.3	38	A9SUO16
A75OBF1908		1 3/16-12	1/2-14	40.0	33	A9SUO19
A75OBF1912		1 3/16-12	3/4-14	41.8	38	A9SUO19
A75OBF2312		1 7/16-12	3/4-14	42.3	38	A9SUO23
A75OBF2316		1 7/16-12	1-11	44.9	47	A9SUO23
A75OBF2716		1 11/16-12	1-11	44.9	47	A9SUO27
A75OBF2720		1 11/16-12	1 1/4-11	47.0	57	A9SUO27
A75OBF2724		1 11/16-12	1 1/2-11	49.1	63	A9SUO27
A75OBF3220		2-12	1 1/4-11	47.0	57	A9SUO32
A75OBF3224		2-12	1 1/2-11	49.1	63	A9SUO32

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

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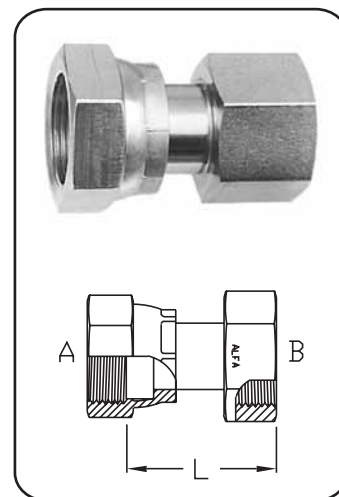
O-RING FACE SEAL SWIVEL X BSPPF

Part Number	R.R. Price	ORFS A	BSPPF B	L	Hex A/F	Swivel Nut Hex A/F
A75OSBF0904		9/16	1/4-19	37.4	22	19
A75OSBF0906		9/16	3/8-19	38.2	27	19
A75OSBF1104		11/16	1/4-19	40.4	22	22
A75OSBF1106		11/16	3/8-19	41.2	27	22
A75OSBF1306		13/16	3/8-19	45.2	27	27
A75OSBF1308		13/16	1/2-14	48.0	33	27
A75OSBF1608		1 IN	1/2-14	52.0	33	32
A75OSBF1612		1 IN	3/4-14	53.8	38	32
A75OSBF1908		1 3/16	1/2-14	57.0	33	38
A75OSBF1912		1 3/16	3/4-14	58.8	38	38
A75OSBF2312		1 7/16	3/4-14	62.8	38	47
A75OSBF2316		1 7/16	1-11	65.4	47	47
A75OSBF2716		1 11/16	1-11	66.4	47	59
A75OSBF2720		1 11/16	1 1/4-11	68.5	57	59
A75OSBF2724		1 11/16	1 1/2-11	70.6	63	59
A75OSBF3220		2 IN	1 1/4-11	68.5	57	63
A75OSBF3224		2 IN	1 1/2-11	70.6	63	63

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

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O-RING FACE SEAL



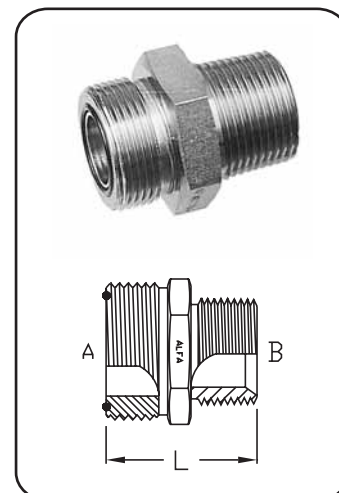
O-RING FACE SEAL X BSPT

Part Number	R.R. Price	ORFS A	BSPT B	L	Hex A/F	ORFS O-Ring
A75OG0904		9/16-18	1/4-19	33.8	16	A9SUO09
A75OG0906		9/16-18	3/8-19	33.8	22	A9SUO09
A75OG1104		11/16-16	1/4-19	35.2	19	A9SUO11
A75OG1106		11/16-16	3/8-19	35.2	22	A9SUO11
A75OG1306		13/16-16	3/8-19	36.8	22	A9SUO13
A75OG1308		13/16-16	1/2-14	41.8	25	A9SUO13
A75OG1608		1-14	1/2-14	44.5	27	A9SUO16
A75OG1612		1-14	3/4-14	47.5	32	A9SUO16
A75OG1908		1 3/16-12	1/2-14	49.0	32	A9SUO19
A75OG1912		1 3/16-12	3/4-14	49.0	32	A9SUO19
A75OG2312		1 7/16-12	3/4-14	49.5	38	A9SUO23
A75OG2316		1 7/16-12	1-11	54.5	38	A9SUO23
A75OG2716		1 11/16-12	1-11	55.5	47	A9SUO27
A75OG2720		1 11/16-12	1 1/4-11	56.5	47	A9SUO27
A75OG3224		2-12	1 1/2-11	58.5	57	A9SUO32

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

Thread Specifications: [Reference Tables, page 194](#)



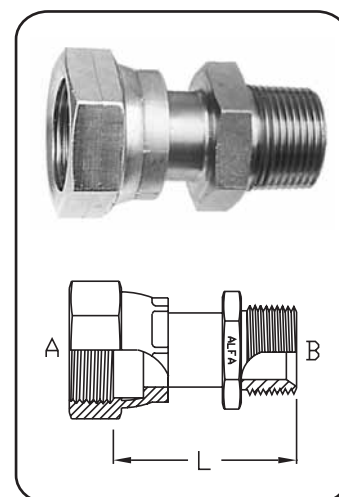
O-RING FACE SEAL SWIVEL X BSPT

Part Number	R.R. Price	ORFS A	BSPT B	L	Hex A/F	Swivel Nut Hex A/F
A75OSG0904		9/16	1/4-19	42.0	16	19
A75OSG0906		9/16	3/8-19	42.0	22	19
A75OSG1104		11/16	1/4-19	45.0	19	22
A75OSG1106		11/16	3/8-19	45.0	22	22
A75OSG1306		13/16	3/8-19	49.0	22	27
A75OSG1308		13/16	1/2-14	54.0	25	27
A75OSG1608		1 IN	1/2-14	58.0	25	32
A75OSG1612		1 IN	3/4-14	61.0	32	32
A75OSG1908		1 3/16	1/2-14	66.0	32	38
A75OSG1912		1 3/16	3/4-14	66.0	32	38
A75OSG2312		1 7/16	3/4-14	70.0	38	47
A75OSG2316		1 7/16	1-11	75.0	38	47
A75OSG2716		1 11/16	1-11	77.0	47	59
A75OSG2720		1 11/16	1 1/4-11	78.0	47	59
A75OSG3224		2 IN	1 1/2-11	78.0	51	63

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

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O-RING FACE SEAL

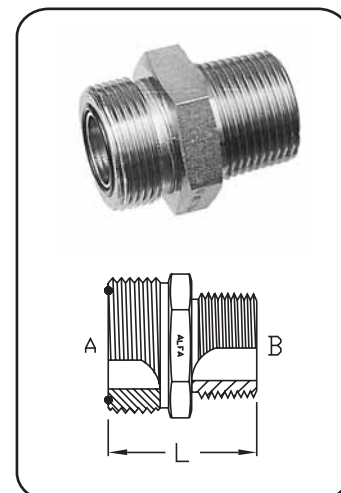
O-RING FACE SEAL X NPT

Part Number	R.R. Price	ORFS A	NPT B	L	Hex A/F	ORFS O-Ring
A75ON0904		9/16-18	1/4-18	33.8	16	A9SUO09
A75ON0906		9/16-18	3/8-18	33.8	22	A9SUO09
A75ON1104		11/16-16	1/4-18	35.2	19	A9SUO11
A75ON1106		11/16-16	3/8-18	35.2	22	A9SUO11
A75ON1306		13/16-16	3/8-18	36.8	22	A9SUO13
A75ON1308		13/16-16	1/2-14	41.8	25	A9SUO13
A75ON1608		1-14	1/2-14	44.5	27	A9SUO16
A75ON1612		1-14	3/4-14	47.5	32	A9SUO16
A75ON1908		1 3/16-12	1/2-14	49.0	32	A9SUO19
A75ON1912		1 3/16-12	3/4-14	49.0	32	A9SUO19
A75ON2312		1 7/16-12	3/4-14	49.5	38	A9SUO23
A75ON2316		1 7/16-12	1-11.5	54.5	38	A9SUO23
A75ON2716		1 11/16-12	1-11.5	55.5	47	A9SUO27
A75ON2720		1 11/16-12	1 1/4-11.5	56.5	47	A9SUO27
A75ON3224		2-12	1 1/2-11.5	58.5	57	A9SUO32

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

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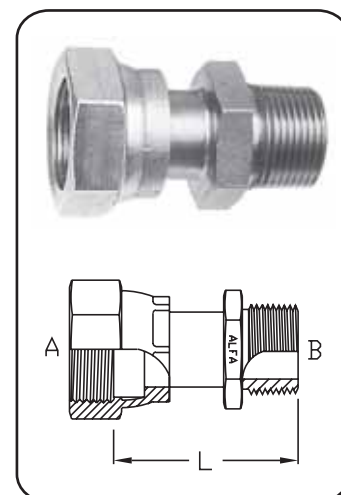
O-RING FACE SEAL SWIVEL X NPT

Part Number	R.R. Price	ORFS A	NPT B	L	Hex A/F	Swivel Nut Hex A/F
A75OSN0904		9/16	1/4-18	42.0	16	19
A75OSN0906		9/16	3/8-18	42.0	22	19
A75OSN1104		11/16	1/4-18	45.0	19	22
A75OSN1106		11/16	3/8-18	45.0	22	22
A75OSN1306		13/16	3/8-18	49.0	22	27
A75OSN1308		13/16	1/2-14	54.0	25	27
A75OSN1608		1 IN	1/2-14	58.0	25	32
A75OSN1612		1 IN	3/4-14	61.0	32	32
A75OSN1908		1 3/16	1/2-14	66.0	32	38
A75OSN1912		1 3/16	3/4-14	66.0	32	38
A75OSN2312		1 7/16	3/4-14	70.0	38	47
A75OSN2316		1 7/16	1-11.5	75.0	38	47
A75OSN2716		1 11/16	1-11.5	77.0	47	59
A75OSN2720		1 11/16	1 1/4-11.5	78.0	47	59
A75OSN3224		2 IN	1 1/2-11.5	78.0	51	63

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

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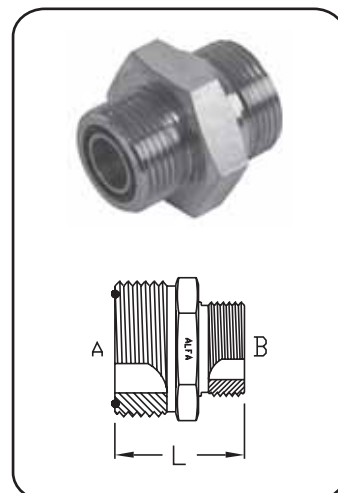


O-RING FACE SEAL



O-RING FACE SEAL X METRIC

Part Number	R.R. Price	ORFS A	METRIC B	L	Hex A/F	ORFS O-Ring
A75OM0912		9/16-18	M12-1.5	27.8	19	A9SUO09
A75OM0916		9/16-18	M16-1.5	29.8	22	A9SUO09
A75OM1114		11/16-16	M14-1.5	31.2	22	A9SUO11
A75OM1116		11/16-16	M16-1.5	31.2	22	A9SUO11
A75OM1316		13/16-16	M16-1.5	32.8	22	A9SUO13
A75OM1318		13/16-16	M18-1.5	32.8	25	A9SUO13
A75OM1322		13/16-16	M22-1.5	37.8	32	A9SUO13
A75OM1622		1-14	M22-1.5	40.5	32	A9SUO16
A75OM1918		1 3/16-12	M18-1.5	43.0	32	A9SUO19
A75OM1922		1 3/16-12	M22-1.5	42.0	32	A9SUO19
A75OM1933		1 3/16-12	M33-2.0	47.0	41	A9SUO19
A75OM2333		1 7/16-12	M33-2.0	47.5	41	A9SUO23



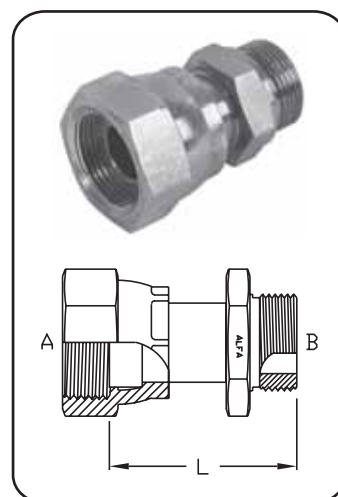
- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

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O-RING FACE SEAL SWIVEL X METRIC

Part Number	R.R. Price	ORFS A	METRIC B	L	Hex A/F	Swivel Nut Hex A/F
A75OSM0912		9/16	M12-1.5	36.0	19	19
A75OSM0916		9/16	M16-1.5	38.0	22	19
A75OSM1114		11/16	M14-1.5	41.0	22	22
A75OSM1116		11/16	M16-1.5	41.0	22	22
A75OSM1316		13/16	M16-1.5	45.0	22	27
A75OSM1318		13/16	M18-1.5	45.0	25	27
A75OSM1322		13/16	M22-1.5	50.0	32	27
A75OSM1622		1 IN	M22-1.5	54.0	32	32
A75OSM1918		1 3/16	M18-1.5	57.0	32	38
A75OSM1922		1 3/16	M22-1.5	59.0	32	38
A75OSM1933		1 3/16	M33-2.0	64.0	41	38
A75OSM2333		1 7/16	M33-2.0	68.0	41	47



- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

Thread Specifications: [Reference Tables, page 195](#)

O-RING FACE SEAL

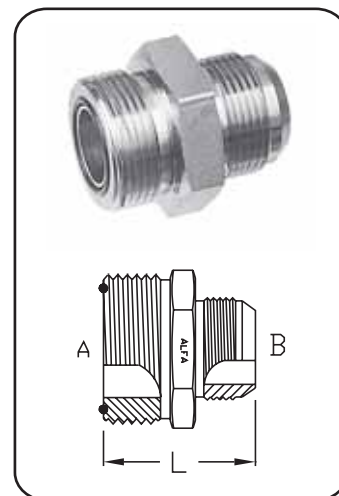
O-RING FACE SEAL X JIC

Part Number	R.R. Price	ORFS A	JIC B	L	Hex A/F	ORFS O-Ring
A75OJ0907		9/16-18	7/16-20	31.8	16	A9SUO09
A75OJ0909		9/16-18	9/16-18	31.9	16	A9SUO09
A75OJ1107		11/16-16	7/16-20	33.2	19	A9SUO11
A75OJ1109		11/16-16	9/16-18	33.3	19	A9SUO11
A75OJ1112		11/16-16	3/4-16	35.9	22	A9SUO11
A75OJ1309		13/16-16	9/16-18	34.9	22	A9SUO13
A75OJ1312		13/16-16	3/4-16	37.5	22	A9SUO13
A75OJ1314		13/16-16	7/8-14	40.1	25	A9SUO13
A75OJ1612		1-14	3/4-16	40.2	27	A9SUO16
A75OJ1614		1-14	7/8-14	42.8	27	A9SUO16
A75OJ1617		1-14	1 1/16-12	48.4	32	A9SUO16
A75OJ1914		1 3/16-12	7/8-14	47.3	32	A9SUO19
A75OJ1917		1 3/16-12	1 1/16-12	49.9	32	A9SUO19
A75OJ1921		1 3/16-12	1 5/16-12	51.1	38	A9SUO19
A75OJ2321		1 7/16-12	1 5/16-12	51.6	38	A9SUO23
A75OJ2326		1 7/16-12	1 5/8-12	53.8	47	A9SUO23
A75OJ2726		1 11/16-12	1 5/8-12	53.8	47	A9SUO27
A75OJ2730		1 11/16-12	1 7/8-12	57.0	51	A9SUO27
A75OJ3226		2-12	1 5/8-12	55.8	57	A9SUO32

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

Thread Specifications: [Reference Tables, page 195](#)



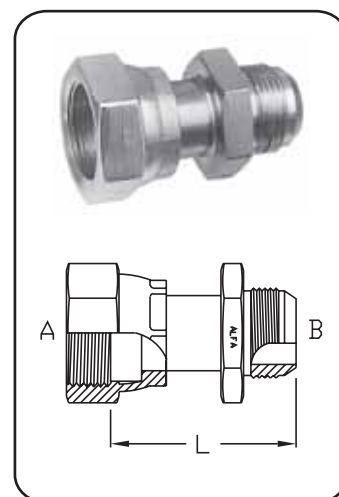
O-RING FACE SEAL SWIVEL X JIC

Part Number	R.R. Price	ORFS A	JIC B	L	Hex A/F	Swivel Nut Hex A/F
A75OSJ0907		9/16	7/16-20	40.0	16	19
A75OSJ0909		9/16	9/16-18	40.1	16	19
A75OSJ1107		11/16	7/16-20	43.0	19	22
A75OSJ1109		11/16	9/16-18	43.1	19	22
A75OSJ1112		11/16	3/4-16	45.7	22	22
A75OSJ1309		13/16	9/16-18	47.1	22	27
A75OSJ1312		13/16	3/4-16	49.7	22	27
A75OSJ1314		13/16	7/8-14	52.3	25	27
A75OSJ1612		1 IN	3/4-16	53.7	25	32
A75OSJ1614		1 IN	7/8-14	56.3	25	32
A75OSJ1617		1 IN	1 1/16-12	61.9	32	32
A75OSJ1914		1 3/16	7/8-14	64.3	32	38
A75OSJ1917		1 3/16	1 1/16-12	66.9	32	38
A75OSJ1921		1 3/16	1 5/16-12	68.1	38	38
A75OSJ2321		1 7/16	1 5/16-12	72.1	38	47
A75OSJ2326		1 7/16	1 5/8-12	74.3	47	47
A75OSJ2726		1 11/16	1 5/8-12	75.3	47	59
A75OSJ2730		1 11/16	1 7/8-12	78.5	51	59
A75OSJ3226		2 IN	1 5/8-12	75.3	51	63

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

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O-RING FACE SEAL



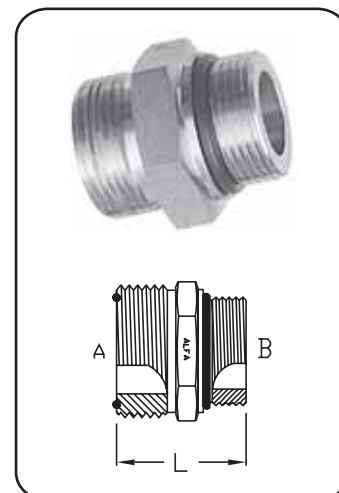
O-RING FACE SEAL X UN-O

Part Number	R.R. Price	ORFS A	UN-O B	L	Hex A/F	ORFS O-Ring	UN-O O-Ring
A75OU0907		9/16-18	7/16-20	28.9	16	A9SUO09	A9SUN07
A75OU0908		9/16-18	1/2-20	28.9	16	A9SUO09	A9SUN08
A75OU0909		9/16-18	9/16-18	29.7	19	A9SUO09	A9SUN09
A75OU1109		11/16-16	9/16-18	31.1	19	A9SUO11	A9SUN09
A75OU1112		11/16-16	3/4-16	33.3	25	A9SUO11	A9SUN12
A75OU1312		13/16-16	3/4-16	34.9	25	A9SUO13	A9SUN12
A75OU1314		13/16-16	7/8-14	36.5	27	A9SUO13	A9SUN14
A75OU1317		13/16-16	1 1/16-12	41.9	32	A9SUO13	A9SUN17
A75OU1614		1-14	7/8-14	39.2	27	A9SUO16	A9SUN14
A75OU1617		1-14	1 1/16-12	44.6	32	A9SUO16	A9SUN17
A75OU1912		1 3/16-12	3/4-16	42.1	32	A9SUO19	A9SUN12
A75OU1917		1 3/16-12	1 1/16-12	46.1	32	A9SUO19	A9SUN17
A75OU1921		1 3/16-12	1 5/16-12	47.1	41	A9SUO19	A9SUN21
A75OU2321		1 7/16-12	1 5/16-12	47.6	41	A9SUO23	A9SUN21
A75OU2326		1 7/16-12	1 5/8-12	47.6	51	A9SUO23	A9SUN26
A75OU2726		1 11/16-12	1 5/8-12	47.6	51	A9SUO27	A9SUN26
A75OU2730		1 11/16-12	1 7/8-12	49.6	57	A9SUO27	A9SUN30
A75OU3226		2-12	1 5/8-12	49.6	57	A9SUO32	A9SUN26
A75OU3230		2-12	1 7/8-12	49.6	57	A9SUO32	A9SUN30

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

Thread Specifications: [Reference Tables, page 199](#)



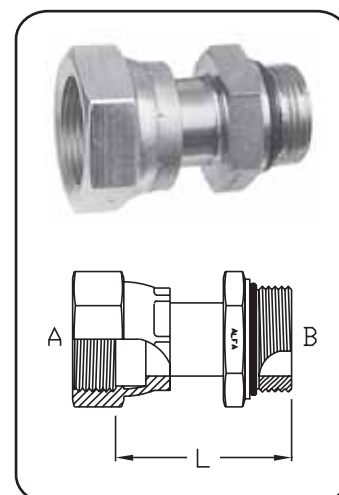
O-RING FACE SEAL SWIVEL X UN-O

Part Number	R.R. Price	ORFS A	UN-O B	L	Hex A/F	Swivel Nut Hex A/F	UN-O O-Ring
A75OSU0907		9/16	7/16-20	37.1	16	19	A9SUN07
A75OSU0908		9/16	1/2-20	37.1	16	19	A9SUN08
A75OSU0909		9/16	9/16-18	37.9	19	19	A9SUN09
A75OSU1109		11/16	9/16-18	40.9	19	22	A9SUN09
A75OSU1112		11/16	3/4-16	43.1	25	22	A9SUN12
A75OSU1312		13/16	3/4-16	47.1	25	27	A9SUN12
A75OSU1314		13/16	7/8-14	48.7	27	27	A9SUN14
A75OSU1317		13/16	1 1/16-12	54.1	32	27	A9SUN17
A75OSU1614		1 IN	7/8-14	52.7	27	32	A9SUN14
A75OSU1617		1 IN	1 1/16-12	58.1	32	32	A9SUN17
A75OSU1912		1 3/16	3/4-16	59.1	32	38	A9SUN12
A75OSU1917		1 3/16	1 1/16-12	63.1	32	38	A9SUN17
A75OSU1921		1 3/16	1 5/16-12	64.1	41	38	A9SUN21
A75OSU2321		1 7/16	1 5/16-12	68.1	41	47	A9SUN21
A75OSU2326		1 7/16	1 5/8-12	68.1	51	47	A9SUN26
A75OSU2717		1 11/16	1 1/16-12	69.1	47	59	A9SUN17
A75OSU2726		1 11/16	1 5/8-12	69.1	51	59	A9SUN26
A75OSU2730		1 11/16	1 7/8-12	71.1	57	59	A9SUN30
A75OSU3226		2 IN	1 5/8-12	69.1	51	63	A9SUN26
A75OSU3230		2 IN	1 7/8-12	71.1	57	63	A9SUN30

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

Thread Specifications: [Reference Tables, page 199](#)



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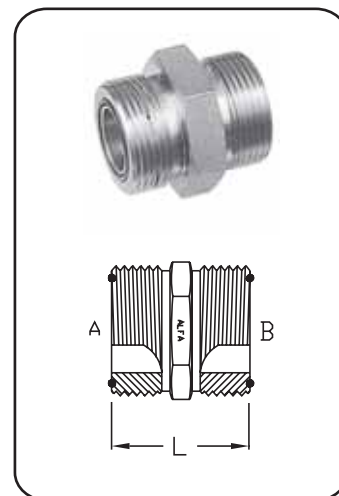
O-RING FACE SEAL

O-RING FACE SEAL X O-RING FACE SEAL

Part Number	R.R. Price	ORFS A	ORFS B	L	Hex A/F	ORFS O-Ring
A750O0909		9/16-18	9/16-18	27.6	16	A9SUO09
A750O1109		11/16-16	9/16-18	29.0	19	A9SUO11
A750O1111		11/16-16	11/16-16	30.4	19	A9SUO11
A750O1311		13/16-16	11/16-16	32.0	22	A9SUO13
A750O1313		13/16-16	13/16-16	33.6	22	A9SUO13
A750O1611		1-14	11/16-16	34.7	27	A9SUO16
A750O1613		1-14	13/16-16	36.3	27	A9SUO16
A750O1616		1-14	1-14	39.0	27	A9SUO16
A750O1913		1 3/16-12	13/16-16	40.8	32	A9SUO19
A750O1916		1 3/16-12	1-14	43.5	32	A9SUO19
A750O1919		1 3/16-12	1 3/16-12	45.0	32	A9SUO19
A750O2316		1 7/16-12	1-14	44.0	38	A9SUO23
A750O2319		1 7/16-12	1 3/16-12	45.5	38	A9SUO23
A750O2323		1 7/16-12	1 7/16-12	46.0	38	A9SUO23
A750O2719		1 11/16-12	1 3/16-12	46.5	47	A9SUO27
A750O2723		1 11/16-12	1 7/16-12	47.0	47	A9SUO27
A750O2727		1 11/16-12	1 11/16-12	47.0	47	A9SUO27
A750O3223		2-12	1 7/16-12	49.0	57	A9SUO32
A750O3227		2-12	1 11/16-12	49.0	57	A9SUO32
A750O3232		2-12	2-12	49.0	57	A9SUO32

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

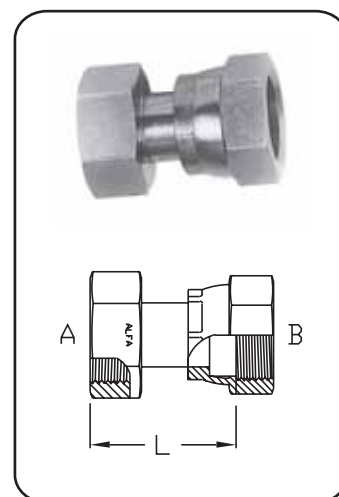


O-RING FACE SEAL FIXED X O-RING FACE SEAL SWIVEL

Part Number	R.R. Price	ORFS A	ORFS B	L	Hex A/F	Swivel Nut Hex A/F
A750FOS0909		9/16-18	9/16	31.0	19	19
A750FOS1109		11/16-16	9/16	32.0	22	19
A750FOS1111		11/16-16	11/16	35.0	22	22
A750FOS1311		13/16-16	11/16	38.0	27	22
A750FOS1313		13/16-16	13/16	42.0	27	27
A750FOS1611		1-14	11/16	41.0	32	22
A750FOS1613		1-14	13/16	45.0	32	27
A750FOS1616		1-14	1 IN	49.0	32	32
A750FOS1913		1 3/16-12	13/16	46.0	38	27
A750FOS1916		1 3/16-12	1 IN	50.0	38	32
A750FOS1919		1 3/16-12	1 3/16	55.0	38	38
A750FOS2316		1 7/16-12	1 IN	53.0	47	32
A750FOS2319		1 7/16-12	1 3/16	58.0	47	38
A750FOS2323		1 7/16-12	1 7/16	62.0	47	47
A750FOS2719		1 11/16-12	1 3/16	61.0	59	38
A750FOS2723		1 11/16-12	1 7/16	65.0	59	47
A750FOS2727		1 11/16-12	1 11/16	66.0	59	59
A750FOS3223		2-12	1 7/16	63.0	63	47
A750FOS3227		2-12	1 11/16	64.0	63	59
A750FOS3232		2-12	2 IN	64.0	63	63

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)



O-RING FACE SEAL

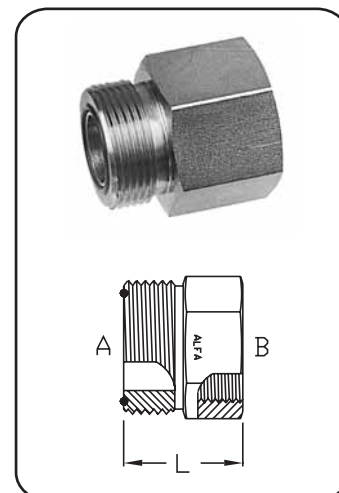


O-RING FACE SEAL X O-RING FACE SEAL FIXED

Part Number	R.R. Price	ORFS A	ORFS B	L	Hex A/F	ORFS O-Ring
A75HOO0913		9/16-18	13/16-16	26.8	27	A9SO09
A75HOO1309		13/16-16	9/16-18	26.8	22	A9SO13
A75HOO1316		13/16-16	1-14	32.8	32	A9SO13
A75HOO1613		1-14	13/16-16	32.5	27	A9SO16
A75HOO1619		1-14	1 3/16-12	36.5	38	A9SO16
A75HOO1623		1-14	1 7/16-12	39.5	47	A9SO16
A75HOO1916		1 3/16-12	1-14	37	32	A9SO19
A75HOO2316		1 7/16-12	1-14	37.5	38	A9SO23
A75HOO2327		1 7/16-12	1 11/16-12	40.5	51	A9SO23
A75HOO2723		1 11/16-12	1 7/16-12	41.5	47	A9SO27
A75HOO2732		1 11/16-12	2-12	41.5	61	A9SO27

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

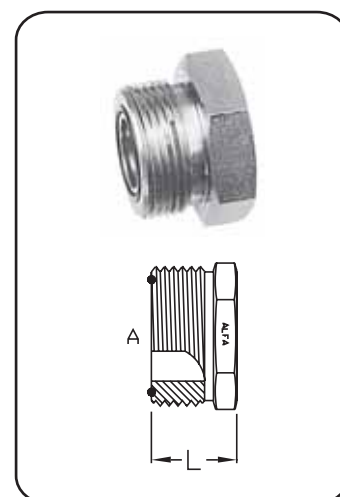


PLUG - STANDARD ORFS

Part Number	R.R. Price	ORFS A	L	Hex A/F	ORFS O-Ring
A75PO09		9/16-18	17.8	16	A9SUO09
A75PO11		11/16-16	19.2	19	A9SUO11
A75PO13		13/16-16	20.8	22	A9SUO13
A75PO16		1-14	23.5	27	A9SUO16
A75PO19		1 3/16-12	28.0	32	A9SUO19
A75PO23		1 7/16-12	28.5	38	A9SUO23
A75PO27		1 11/16-12	29.5	47	A9SUO27
A75PO32		2-12	31.5	57	A9SUO32

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

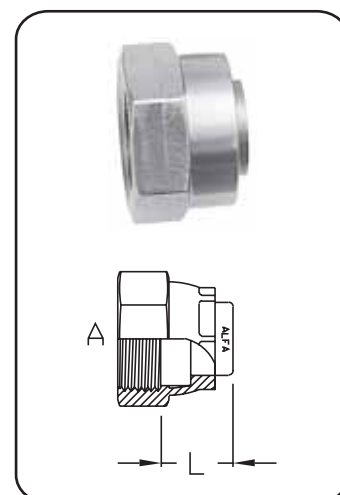


NUT - CAP - ORFS - SWIVEL

Part Number	R.R. Price	ORFS A	L	Swivel Nut Hex A/F
A75NCOS09		9/16	13.5	19
A75NCOS11		11/16	15.5	22
A75NCOS13		13/16	17.5	27
A75NCOS16		1 IN	18.5	32
A75NCOS19		1 3/16	22.5	38
A75NCOS23		1 7/16	24.5	47
A75NCOS27		1 11/16	25.5	59
A75NCOS32		2 IN	25.5	63

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)



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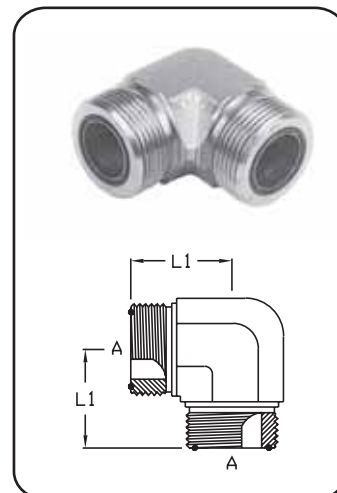
O-RING FACE SEAL

ADAPTOR - ELBOW 90° ORFS

Part Number	R.R. Price	ORFS A	L1	A/F	ORFS O-Ring
A7EO09		9/16-18	22	14	A9SUO09
A7EO11		11/16-16	25	19	A9SUO11
A7EO13		13/16-16	28	19	A9SUO13
A7EO16		1-14	33	27	A9SUO16
A7EO19		1 3/16-12	37	30	A9SUO19
A7EO23		1 7/16-12	42	37	A9SUO23
A7EO27		1 11/16-12	45	41	A9SUO27
A7EO32		2-12	49	48	A9SUO32

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

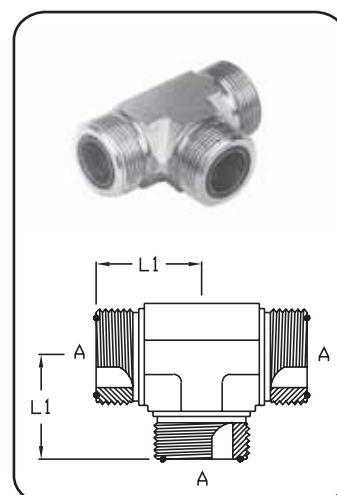


ADAPTOR - TEE ORFS

Part Number	R.R. Price	ORFS A	L1	A/F	ORFS O-Ring
A7TO09		9/16-18	22	14	A9SUO09
A7TO11		11/16-16	25	19	A9SUO11
A7TO13		13/16-16	28	19	A9SUO13
A7TO16		1-14	33	27	A9SUO16
A7TO19		1 3/16-12	37	30	A9SUO19
A7TO23		1 7/16-12	42	37	A9SUO23
A7TO27		1 11/16-12	45	41	A9SUO27
A7TO32		2-12	49	48	A9SUO32

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)

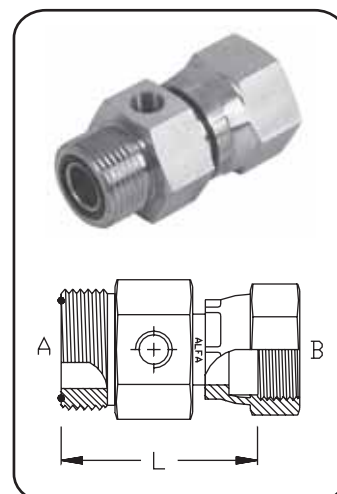


TEE - ORFS X ORFS SWIVEL X 1/8 BSPTF

Part Number	R.R. Price	ORFS A	ORFS B	L	Hex A/F	Swivel Nut Hex A/F	ORFS O-Ring
A7TOOSG0902		9/16-18	9/16	41.3	25	19	A9SUO09
A7TOOSG1102		11/16-16	11/16	44.7	25	22	A9SUO11
A7TOOSG1302		13/16-16	13/16	48.3	25	27	A9SUO13
A7TOOSG1602		1-14	1 IN	52.0	27	32	A9SUO16
A7TOOSG1902		1 3/16-12	1 3/16	57.5	32	38	A9SUO19
A7TOOSG2302		1 7/16-12	1 7/16	60.0	38	47	A9SUO23
A7TOOSG2702		1 11/16-12	1 11/16	61.0	47	59	A9SUO27
A7TOOSG3202		2-12	2 IN	61.0	57	63	A9SUO32

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 200](#)



BULKHEAD ADAPTORS

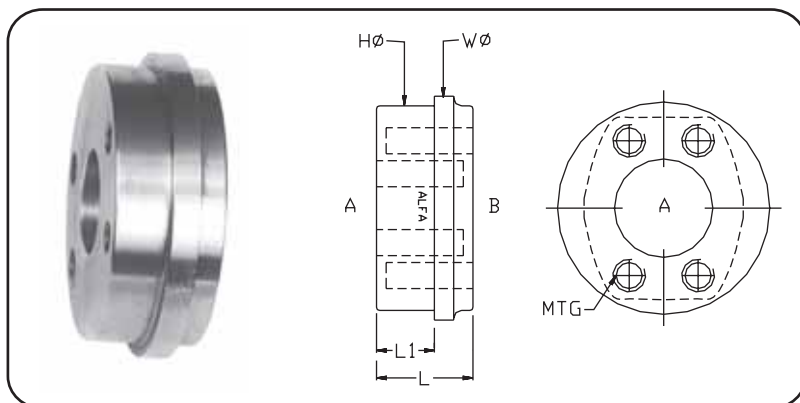


BULKHEAD ADAPTORS

Description	Part Number	Page No.
BULKHEAD (WELD) FLANGE - 61 X FLANGE - 61	A81F1F	164
BULKHEAD (WELD) FLANGE - 62 X FLANGE - 62	A82F2F	164
BULKHEAD (WELD) BUTT WELD PIPE X FLANGE - 61	A81F3P	165
BULKHEAD (WELD) BUTT WELD PIPE X FLANGE - 62	A82F3P	165
BULKHEAD (WELD) SOCKET WELD PIPE X FLANGE - 61	A81F4P	166
BULKHEAD (WELD) SOCKET WELD PIPE X FLANGE - 62	A82F4P	166
BULKHEAD (WELD) BSPPF X FLANGE - 61	A81FBF	167
BULKHEAD (WELD) BSPPF X FLANGE - 62	A82FBF	167
BUTT WELD X BSPPF (HALF SOCKET)	A83XBF	168
BUTT WELD X UNF-O (HALF SOCKET)	A83XUF	168
BULKHEAD (WELD) BUTT WELD PIPE X BSPPF	A83PBF	169
SOCKET (WELD) SOCKET WELD PIPE X BSPPF	A84PBF	169
BULKHEAD (WELD) SOCKET WELD TUBE X BSPPF	A84TBF	170
BULKHEAD (WELD) JIC X JIC	A85JJ	170
BULKHEAD (THREAD) BSPP X BSPP	A85KBB	171
BULKHEAD (THREAD) BSPP X BSPP WITH SEALING O-RING	A85KBEB	171
BULKHEAD NUT X BSPP	A85NKB	171
BULKHEAD (THREAD) JIC X JIC	A85KJJ	172
BULKHEAD (THREAD) JIC X JIC - WITH SEALING O-RING	A85KJEJ	172
BULKHEAD NUT X JIC	A85NKJ	172
BULKHEAD (THREAD) ORFS X ORFS	A87KOO	173
BULKHEAD (THREAD) ORFS X ORFS WITH SEALING O-RING	A87KOE0	173
BULKHEAD NUT X ORFS	A87NKO	173
BULKHEAD (WELD) SOCKET - BSPPF X BSPPF	A85FBB	174
BULKHEAD (WELD) SOCKET - BSPTF X BSPTF	A85FGG	174
BULKHEAD (WELD) SOCKET - NPTF X NPTF	A85FNN	174
BULKHEAD (WELD) BSPPF X SUCTION	A86BF	175
BULKHEAD (WELD) BSPTF X SUCTION	A86GF	175

BULKHEAD ADAPTORS

BULKHEAD (WELD) FLANGE - 61 X FLANGE - 61



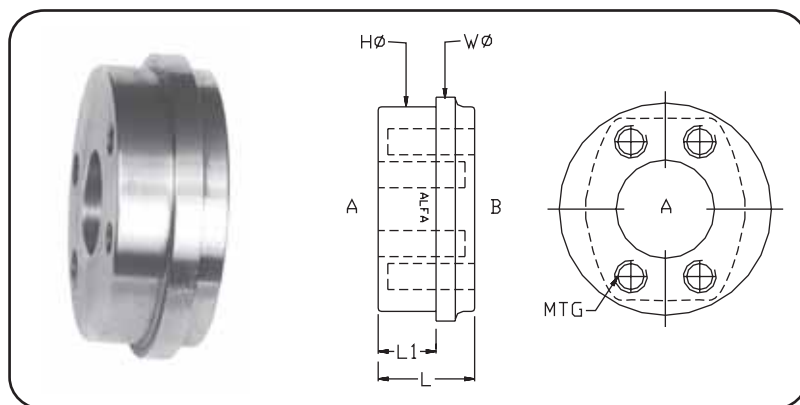
For Metric Mtgs add M to Part No
e.g. A81F1F2424M (Not standard)

Flange Specifications: [Reference Tables, page 193](#)

- **Stainless (316L)** Change 1st Letter from A to S

Part Number	R.R. Price	SAE A	SAE B	L	L1	Hole H - Ø	Weld W - Ø	Mtg Thrd UNC	Mat Grade or Equiv.
A81F1F0808		1/2	1/2	40	20	60	70	5/16 UNC	1020
A81F1F1212		3/4	3/4	40	20	74	84	3/8 UNC	1020
A81F1F1616		1	1	40	20	80	90	3/8 UNC	1020
A81F1F2020		1 1/4	1 1/4	40	20	88	98	7/16 UNC	1020
A81F1F2424		1 1/2	1 1/2	40	20	102	112	1/2 UNC	1020
A81F1F3232		2	2	40	20	112	122	1/2 UNC	1020
A81F1F4040		2 1/2	2 1/2	40	20	126	136	1/2 UNC	1020
A81F1F4848		3	3	50	30	153	163	5/8 UNC	1020
A81F1F5656		3 1/2	3 1/2	50	30	169	179	5/8 UNC	1020
A81F1F6464		4	4	50	30	181	191	5/8 UNC	1020

BULKHEAD (WELD) FLANGE - 62 X FLANGE - 62



For Metric Mtgs add M to Part No
e.g. A82F2F2424M (Not standard)

Flange Specifications: [Reference Tables, page 193](#)

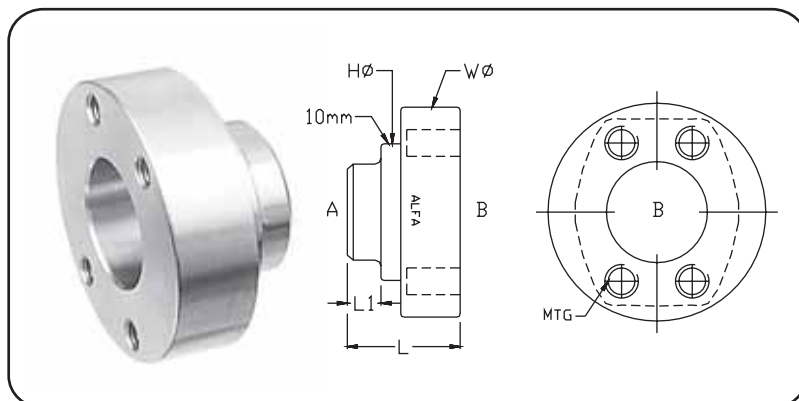
- **Stainless (316L)** Change 1st Letter from A to S

Part Number	R.R. Price	SAE A	SAE B	L	L1	Hole H - Ø	Weld W - Ø	Mtg Thrd UNC	Mat Grade or Equiv.
A82F2F0808		1/2	1/2	40	20	63	73	5/16 UNC	1020
A82F2F1212		3/4	3/4	40	20	78	88	3/8 UNC	1020
A82F2F1616		1	1	40	20	87	97	7/16 UNC	1020
A82F2F2020		1 1/4	1 1/4	40	20	100	110	1/2 UNC	1020
A82F2F2424		1 1/2	1 1/2	40	20	117	127	5/8 UNC	1020
A82F2F3232		2	2	50	30	142	152	3/4 UNC	1020
A82F2F4040		2 1/2 (Alfa)	2 1/2 (Alfa)	55	35	179	189	24mm UNC	1020

BULKHEAD ADAPTORS



BULKHEAD (WELD) BUTT WELD PIPE X FLANGE - 61



Order Code Example:

A81F3P2424?

- ? =
- D = Sched 40
- H = Sched 80
- P = Sched 160

For Metric Mtgs add M to Part No

e.g. A81F3P2424HM (Not standard)

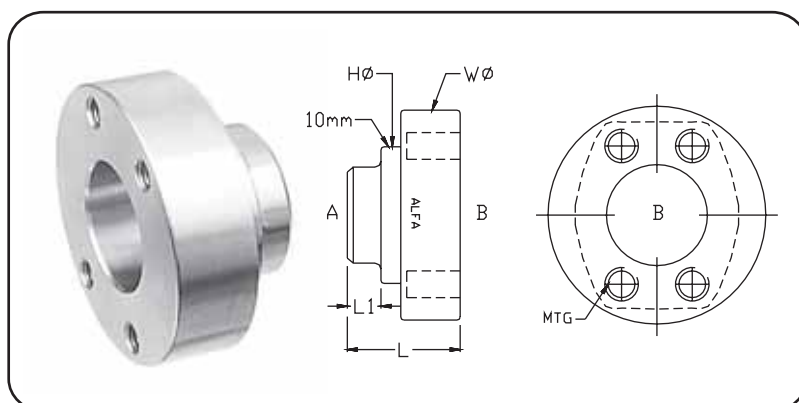
Flange Specifications: [Reference Tables, page 193](#)

Pipe Specifications: [Reference Tables, page 202](#)

- **Stainless (316L)** Change 1st Letter from A to S

Part Number	R.R. Price	Pipe A	A - Ø	SAE B	L	L1	Hole H - Ø	Weld W - Ø	Mtg Thrd UNC	Mat Grade or Equiv.
A81F3P0808?		1/2	21.3	1/2	53	18	41	60	5/16 UNC	1020
A81F3P1212?		3/4	26.7	3/4	58	18	47	74	3/8 UNC	1020
A81F3P1616?		1	33.4	1	59	19	53	80	3/8 UNC	1020
A81F3P2020?		1 1/4	42.2	1 1/4	59	19	62	88	7/16 UNC	1020
A81F3P2424?		1 1/2	48.3	1 1/2	59	19	68	102	1/2 UNC	1020
A81F3P3232?		2	60.3	2	60	20	80	112	1/2 UNC	1020
A81F3P4040?		2 1/2	73.0	2 1/2	61	21	93	126	1/2 UNC	1020
A81F3P4848?		3	88.9	3	72	22	109	153	5/8 UNC	1020
A81F3P6464?		4	114.3	4	73	23	134	181	5/8 UNC	1020

BULKHEAD (WELD) BUTT WELD PIPE X FLANGE - 62



Order Code Example:

A82F3P2424?

- ? =
- D = Sched 40
- H = Sched 80
- P = Sched 160

For Metric Mtgs add M to Part No

e.g. A81F3P2424HM (Not standard)

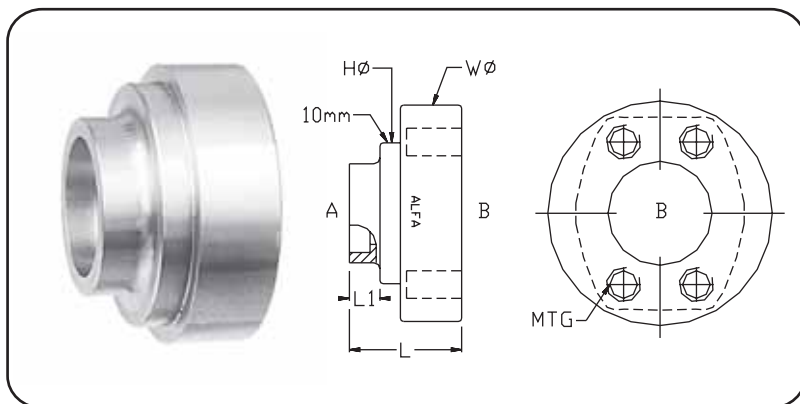
Flange Specifications: [Reference Tables, page 193](#)

Pipe Specifications: [Reference Tables, page 202](#)

- **Stainless (316L)** Change 1st Letter from A to S

Part Number	R.R. Price	Pipe A	A - Ø	SAE B	L	L1	Hole H - Ø	Weld W - Ø	Mtg Thrd UNC	Mat Grade or Equiv.
A82F3P0808?		1/2	21.3	1/2	53	18	41	63	5/16 UNC	1020
A82F3P1212?		3/4	26.7	3/4	58	18	47	78	3/8 UNC	1020
A82F3P1616?		1	33.4	1	59	19	53	87	7/16 UNC	1020
A82F3P2020?		1 1/4	42.2	1 1/4	64	19	62	100	1/2 UNC	1020
A82F3P2424?		1 1/2	48.3	1 1/2	69	19	68	117	5/8 UNC	1020
A82F3P3232?		2	60.3	2	80	20	80	142	3/4 UNC	1020

BULKHEAD (WELD) SOCKET WELD PIPE X FLANGE - 61



Order Code Example:

A81F4P2424?

- ? =
- C = 3000 lb = Sched 80 (Socket Weld)
- F = 6000 lb = Sched 160 (Socket Weld)

For Metric Mtgs add M to Part No
e.g. A81F4P2424HM (Not standard)

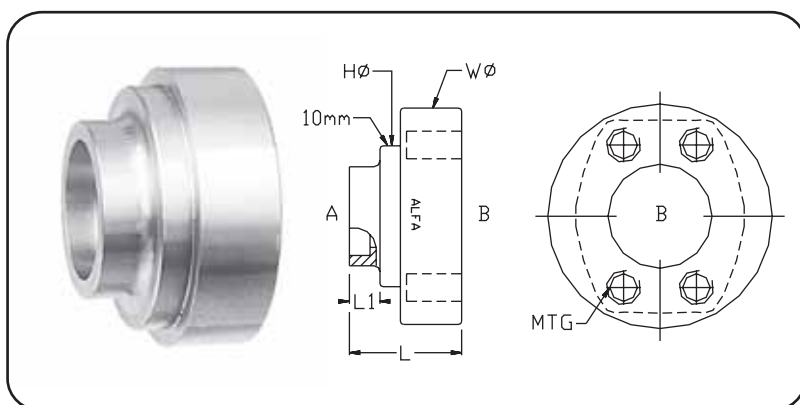
Flange Specifications: [Reference Tables, page 193](#)

Pipe Specifications: [Reference Tables, page 202](#)

- **Stainless** (316L) Change 1st Letter from A to S

Part Number	R.R. Price	Pipe A	A - Ø	SAE B	L	L1	Hole H - Ø	Weld W - Ø	Mtg Thrd UNC	Mat Grade or Equiv.
A81F4P0808?		1/2	21.3	1/2	50	15	51	60	5/16 UNC	1020
A81F4P1212?		3/4	26.7	3/4	55	15	57	74	3/8 UNC	1020
A81F4P1616?		1	33.4	1	56	16	65	80	3/8 UNC	1020
A81F4P2020?		1 1/4	42.2	1 1/4	56	16	74	88	7/16 UNC	1020
A81F4P2424?		1 1/2	48.3	1 1/2	56	16	81	102	1/2 UNC	1020
A81F4P3232?		2	60.3	2	57	17	94	112	1/2 UNC	1020
A81F4P4040?		2 1/2	73.0	2 1/2	59	19	111	126	1/2 UNC	1020
A81F4P4848?		3	88.9	3	69	19	128	153	5/8 UNC	1020
A81F4P6464?		4	114.3	4	71	21	156	181	5/8 UNC	1020

BULKHEAD (WELD) SOCKET WELD PIPE X FLANGE - 62



Order Code Example:

A82F4P2424?

- ? =
- C = 3000 lb = Sched 80 (Socket Weld)
- F = 6000 lb = Sched 160 (Socket Weld)

For Metric Mtgs add M to Part No
e.g. A82F4P2424HM (Not standard)

Flange Specifications: [Reference Tables, page 193](#)

Pipe Specifications: [Reference Tables, page 202](#)

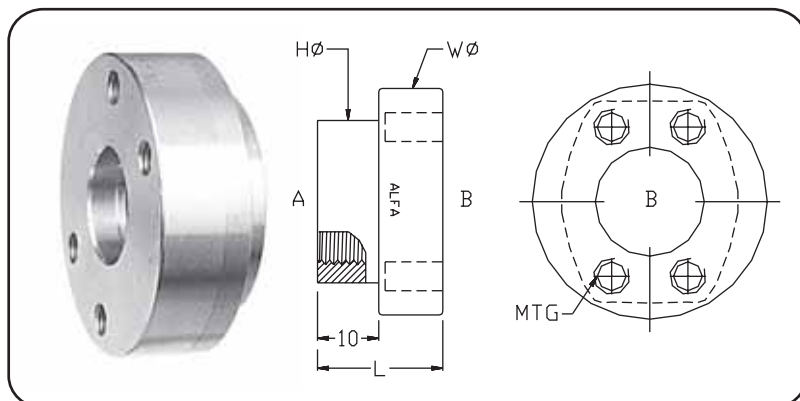
- **Stainless** (316L) Change 1st Letter from A to S

Part Number	R.R. Price	Pipe A	A - Ø	SAE B	L	L1	Hole H - Ø	Weld W - Ø	Mtg Thrd UNC	Mat Grade or Equiv.
A82F4P0808?		1/2	21.3	1/2	50	15	51	63	5/16 UNC	1020
A82F4P1212?		3/4	26.7	3/4	55	15	57	78	3/8 UNC	1020
A82F4P1616?		1	33.4	1	56	16	65	87	7/16 UNC	1020
A82F4P2020?		1 1/4	42.2	1 1/4	61	16	75	100	1/2 UNC	1020
A82F4P2424?		1 1/2	48.3	1 1/2	66	16	81	117	5/8 UNC	1020
A82F4P3232?		2	60.3	2	77	17	95	142	3/4 UNC	1020

BULKHEAD ADAPTORS



BULKHEAD (WELD) BSPPF X FLANGE - 61



For Metric Mtgs add M to Part No
e.g. A81FBF2424M (Not standard)

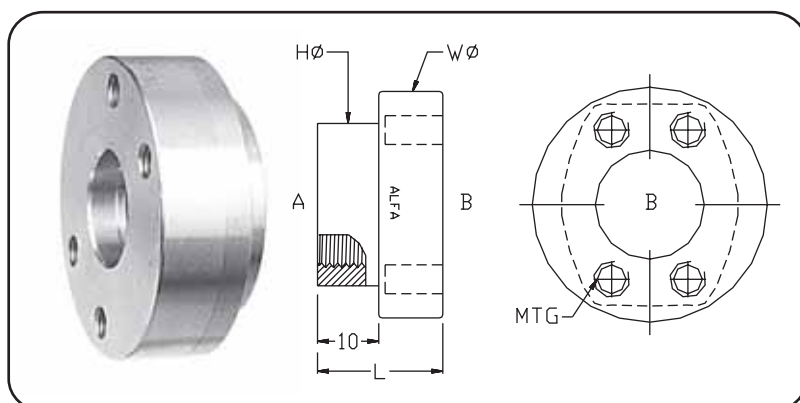
Flange Specifications: [Reference Tables, page 193](#)

Thread Specifications: [Reference Tables, page 194](#)

- **Stainless (316L)** Change 1st Letter from A to S

Part Number	R.R. Price	BSPPF A	SAE B	L	Hole H - Ø	Weld W - Ø	Mtg Thrd UNC	Mat Grade or Equiv.
A81FBF0808		1/2-14	1/2	35	33	60	5/16 UNC	1020
A81FBF1212		3/4-14	3/4	40	38	74	3/8 UNC	1020
A81FBF1616		1-11	1	40	46	80	3/8 UNC	1020
A81FBF2020		1 1/4-11	1 1/4	40	55	88	7/16 UNC	1020
A81FBF2424		1 1/2-11	1 1/2	40	61	102	1/2 UNC	1020
A81FBF3232		2-11	2	40	75	112	1/2 UNC	1020
A81FBF4040		2 1/2-11	2 1/2	40	91	126	1/2 UNC	1020
A81FBF4848		3-11	3	50	104	153	5/8 UNC	1020
A81FBF4864		3-11	4	50	104	181	5/8 UNC	1020

BULKHEAD (WELD) BSPPF X FLANGE - 62



For Metric Mtgs add M to Part No
e.g. A82FBF2424M (Not standard)

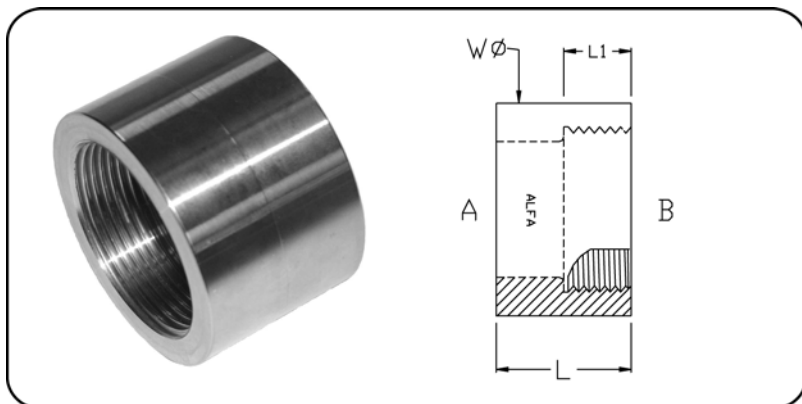
Flange Specifications: [Reference Tables, page 193](#)

Thread Specifications: [Reference Tables, page 194](#)

- **Stainless (316L)** Change 1st Letter from A to S

Part Number	R.R. Price	BSPPF A	SAE B	L	Hole H - Ø	Weld W - Ø	Mtg Thrd UNC	Mat Grade or Equiv.
A82FBF0808		1/2-14	1/2	35	33	63	5/16 UNC	1020
A82FBF1212		3/4-14	3/4	40	38	78	3/8 UNC	1020
A82FBF1616		1-11	1	40	46	87	7/16 UNC	1020
A82FBF2020		1 1/4-11	1 1/4	45	55	100	1/2 UNC	1020
A82FBF2424		1 1/2-11	1 1/2	50	61	117	5/8 UNC	1020
A82FBF3232		2-11	2	60	75	142	3/4 UNC	1020

BUTT WELD X BSPPF (HALF SOCKET)

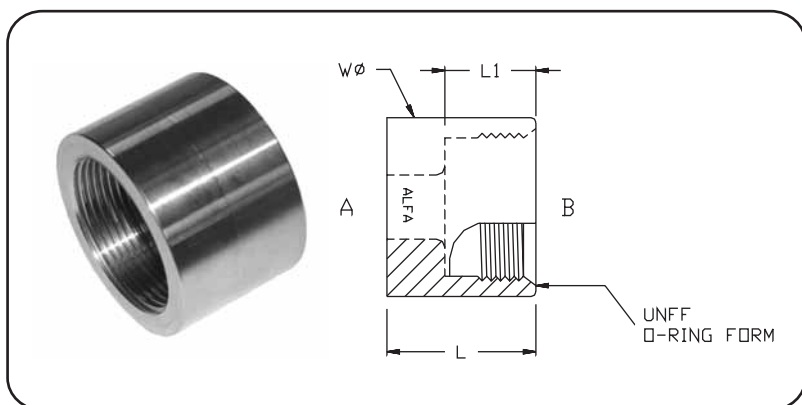


Thread Specifications: [Reference Tables, page 194](#)

- **Stainless (316L)** Change 1st Letter from A to S

Part Number	R.R. Price	Blank End Hole - Ø	BSPPF B	L	L1	Weld W - Ø	Mat Grade or Equiv.
A83XBF04		5.2	1/4-19	25	14	22	250
A83XBF06		7.1	3/8-19	26	14	27	250
A83XBF08		11.1	1/2-14	28	16	33	250
A83XBF12		16.0	3/4-14	30	18	38	1020
A83XBF16		21.0	1-11	35	20	46	1020
A83XBF20		27.0	1 1/4-11	37	22	55	1020
A83XBF24		36.0	1 1/2-11	41	24	61	1020
A83XBF32		46.0	2-11	44	26	75	1020
A83XBF40		58.0	2 1/2-11	46	28	91	1020

BUTT WELD X UNF-O (HALF SOCKET)



Thread Specifications: [Reference Tables, page 200](#)

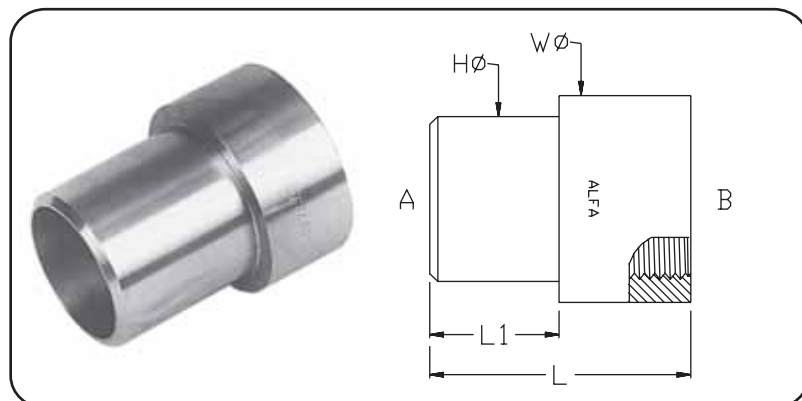
- **Stainless (316L)** Change 1st Letter from A to S

Part Number	R.R. Price	Blank End Hole - Ø	UNFF B	L	L1	Weld W - Ø	Mat Grade or Equiv.
A83XUF09		7.5	9/16-18	24	14	22	250
A83XUF12		9.9	3/4-16	28	16	30	250
A83XUF14		12.3	7/8-14	29	17	34	250
A83XUF17		15.5	1 1/16-12	31	20	39	1020
A83XUF21		21.5	1 5/16-12	34	20	45	1020
A83XUF26		27.5	1 5/8-12	35	20	54	1020
A83XUF30		33.0	1 7/8-12	38	20	62	1020
A83XUF40		45.0	2 1/2-12	39	20	81	1020

BULKHEAD ADAPTORS



BULKHEAD (WELD) BUTT WELD PIPE X BSPPF



Order Code Example:

A83PBF2424?

- ? =
- D = Sched 40
- H = Sched 80
- P = Sched 160

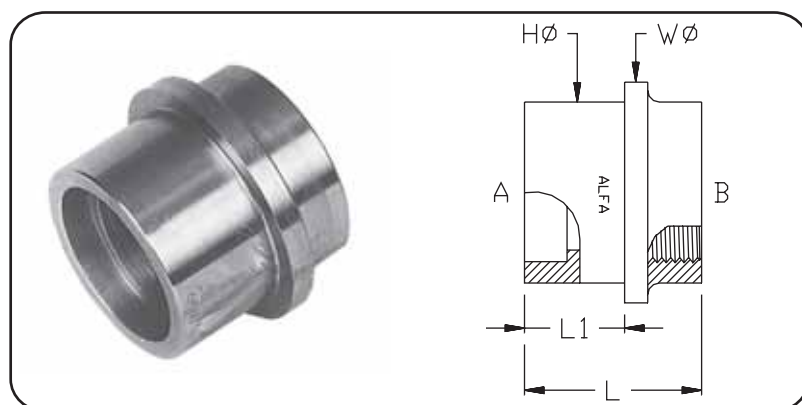
Pipe Specifications: [Reference Tables, page 202](#)

Thread Specifications: [Reference Tables, page 194](#)

- **Stainless (316L)** Change 1st Letter from A to S

Part Number	R.R. Price	Pipe A	A - Ø	BSPPF B	L	L1	Weld W - Ø	Hole H - Ø	Mat Grade or Equiv.
A83PBF0808?		1/2	21.4	1/2-14	62	34	33	21.3	250
A83PBF1212?		3/4	26.8	3/4-14	64	34	38	26.7	1020
A83PBF1616?		1	33.5	1-11	67	35	46	33.4	1020
A83PBF2020?		1 1/4	42.3	1 1/4-11	70	35	55	42.2	1020
A83PBF2424?		1 1/2	48.4	1 1/2-11	72	35	61	48.3	1020
A83PBF3232?		2	60.5	2-11	76	36	75	60.3	1020
A83PBF4040?		2 1/2	73.2	2 1/2-11	83	37	91	73.0	1020

SOCKET (WELD) SOCKET WELD PIPE X BSPPF



Order Code Example:

A84PBF2424?

- ? =
- C = 3000 lb = Sched 80 (Socket Weld)
- F = 6000 lb = Sched 80 (Socket Weld)

Pipe Specifications: [Reference Tables, page 202](#)

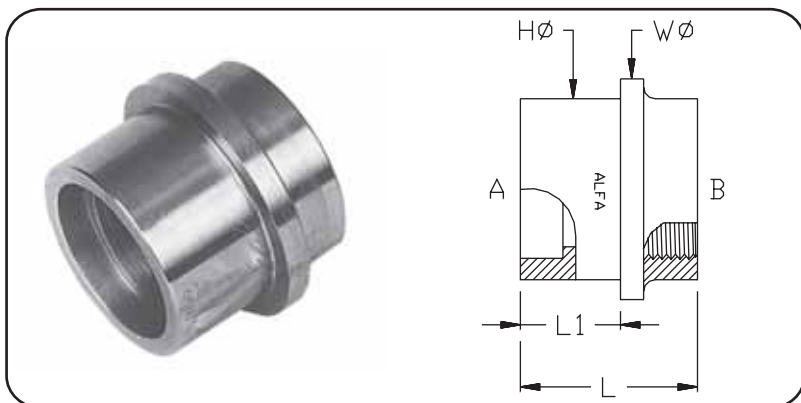
Thread Specifications: [Reference Tables, page 194](#)

- **Stainless (316L)** Change 1st Letter from A to S

Part Number	R.R. Price	Pipe A	A - Ø	BSPPF B	L	L1	Weld W - Ø	Hole H - Ø	Mat Grade or Equiv.
A84PBF0808?		1/2	21.3	1/2-14	47	31	43 x 6	31	1020
A84PBF1212?		3/4	26.7	3/4-14	47	31	48 x 6	37	1020
A84PBF1616?		1	33.4	1-11	48	32	56 x 6	45	1020
A84PBF2020?		1 1/4	42.2	1 1/4-11	48	32	65 x 6	55	1020
A84PBF2424?		1 1/2	48.3	1 1/2-11	48	32	71 x 6	61	1020
A84PBF3232?		2	60.3	2-11	49	33	85 x 6	75	1020
A84PBF4040?		2 1/2	73.0	2 1/2-11	55	35	101 x 10	91	1020

BULKHEAD ADAPTORS

BULKHEAD (WELD) SOCKET WELD TUBE X BSPPF



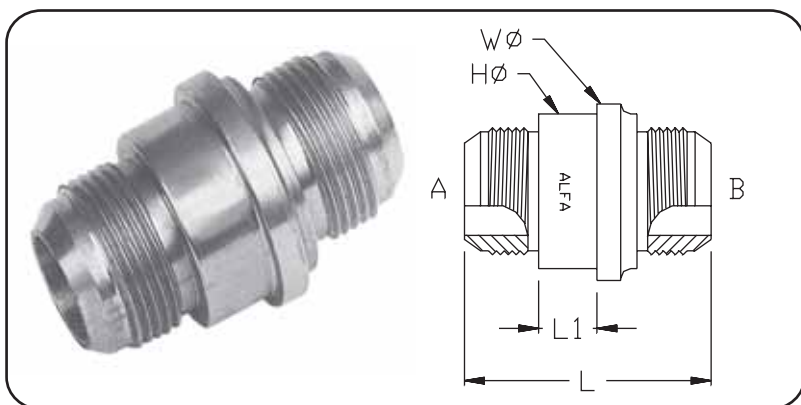
Tube Specifications: [Reference Tables, page 203](#)

Thread Specifications: [Reference Tables, page 194](#)

- **Stainless (316L)** Change 1st Letter from A to S

Part Number	R.R. Price	Tube A	A - Ø	BSPPF B	L	L1	Weld W - Ø	Hole H - Ø	Mat Grade or Equiv.
A84TBF1208		3/4	19.1	1/2-14	59	31	43 x 6	29	1020
A84TBF1212		3/4	19.1	3/4-14	61	31	48 x 6	29	1020
A84TBF1612		1	25.4	3/4-14	61	31	48 x 6	35	1020
A84TBF1616		1	25.4	1-11	63	31	46 x 6	35	1020
A84TBF2016		1 1/4	31.8	1-11	48	32	56 x 6	43	1020
A84TBF2020		1 1/4	31.8	1 1/4-11	67	32	55 x 6	43	1020
A84TBF2420		1 1/2	38.1	1 1/4-11	66	31	65 x 6	49	1020
A84TBF2424		1 1/2	38.1	1 1/2-11	68	31	61 x 6	49	1020
A84TBF3224		2	50.8	1 1/2-11	47	31	72 x 6	62	1020
A84TBF3232		2	50.8	2-11	71	31	75 x 6	62	1020

BULKHEAD (WELD) JIC X JIC



Thread Specifications: [Reference Tables, page 198](#)

- **Stainless (316L)** Change 1st Letter from A to S

Part Number	R.R. Price	JIC A	JIC B	L	L1	Weld W - Ø	Hole H - Ø	Mat Grade or Equiv.
A85JJ0909		9/16-18	9/16-18	54.2	16	28 x 6	18	250
A85JJ1212		3/4-16	3/4-16	59.4	16	33 x 6	23	250
A85JJ1414		7/8-14	7/8-14	64.6	16	36 x 6	26	1020
A85JJ1717		1 1/16-12	1 1/16-12	71.8	16	41 x 6	31	1020
A85JJ2121		1 5/16-12	1 5/16-12	74.2	16	47 x 6	37	1020
A85JJ2626		1 5/8-12	1 5/8-12	76.6	16	55 x 6	45	1020
A85JJ3030		1 7/8-12	1 7/8-12	83.0	16	62 x 6	52	1020
A85JJ4040		2 1/2-12	2 1/2-12	95.8	16	78 x 6	68	1020

BULKHEAD ADAPTORS



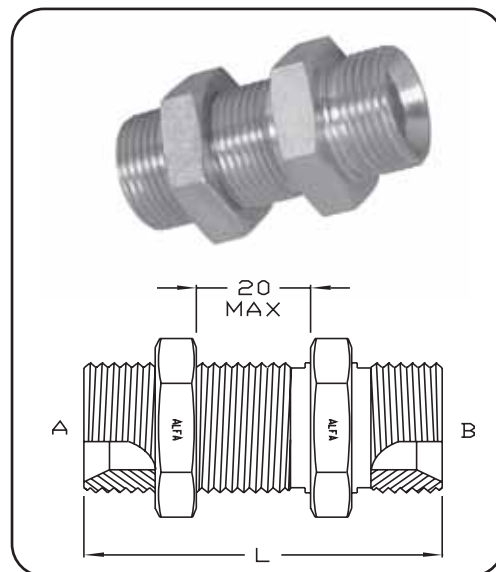
BULKHEAD (THREAD) BSPP X BSPP

Part Number	R.R. Price	BSPP A	BSPP B	L	Hex A/F
A85KBB0404		1/4-19	1/4-19	61	19
A85KBB0606		3/8-19	3/8-19	61	22
A85KBB0808		1/2-14	1/2-14	65	27
A85KBB1212		3/4-14	3/4-14	75	33
A85KBB1616		1-11	1-11	81	41
A85KBB2020		1 1/4-11	1 1/4-11	85	51
A85KBB2424		1 1/2-11	1 1/2-11	93	57
A85KBB3232		2-11	2-11	97	70

Finish - Zinc Plated

Extended Adaptors: **Order Code Example:**
A85KBB1212L95
Length = 95mm O/All

- **Stainless (316L)** Change 1st Letter from A to S



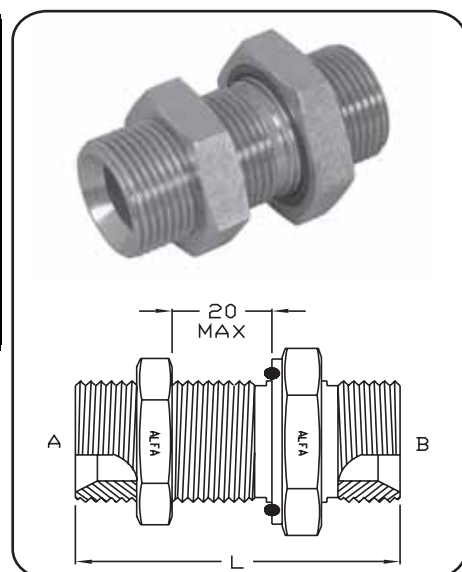
BULKHEAD (THREAD) BSPP X BSPP WITH SEALING O-RING

Part Number	R.R. Price	BSPP A	BSPP B	L	Hex A/F	Bulkhead O-Ring	O-Ring ID - Ø	O-Ring Section
A85KBEB0404		1/4-19	1/4-19	63	22	A9SRB04	15	2
A85KBEB0606		3/8-19	3/8-19	64	27	A9SRB06	19	2
A85KBEB0808		1/2-14	1/2-14	74	32	A9SRB08	23	3
A85KBEB1212		3/4-14	3/4-14	78	38	A9SRB12	28	3
A85KBEB1616		1-11	1-11	84	47	A9SRB16	35	3
A85KBEB2020		1 1/4-11	1 1/4-11	92	57	A9SRB20	44	3
A85KBEB2424		1 1/2-11	1 1/2-11	96	63	A9SRB24	50	3
A85KBEB3232		2-11	2-11	100	72	A9SRB32	62	3

Finish - Zinc Plated

Extended Adaptors: **Order Code Example:**
A85KBEB1212L95
Length = 95mm O/All

- **Stainless (316L)** Change 1st Letter from A to S



BULKHEAD NUT X BSPP

Part Number	R.R. Price	BSPP A	Width	Hex A/F
A85NKB04		1/4-19	8	19
A85NKB06		3/8-19	8	22
A85NKB08		1/2-14	8	27
A85NKB12		3/4-14	11	33
A85NKB16		1-11	12	41
A85NKB20		1 1/4-11	12	51
A85NKB24		1 1/2-11	14	57
A85NKB32		2-11	14	70

Finish - Zinc Plated



BULKHEAD (THREAD) JIC X JIC

Part Number	R.R. Price	JIC A	JIC B	L	Hex A/F
A85KJJ0707		7/16-20	7/16-20	65	19
A85KJJ0909		9/16-18	9/16-18	66	22
A85KJJ1212		3/4-16	3/4-16	70	27
A85KJJ1414		7/8-14	7/8-14	82	32
A85KJJ1717		1 1/16-12	1 1/16-12	86	35
A85KJJ2121		1 5/16-12	1 5/16-12	92	41
A85KJJ2626		1 5/8-12	1 5/8-12	94	51
A85KJJ3030		1 7/8-12	1 7/8-12	104	57
A85KJJ4040		2 1/2-12	2 1/2-12	116	74

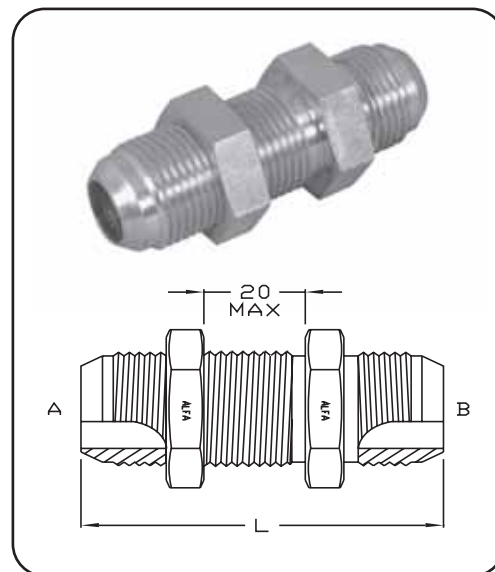
Finish - Zinc Plated

Extended Adaptors: **Order Code Example:**

A85KJJ1212L95

Length = 95mm O/All

- **Stainless (316L)** Change 1st Letter from A to S



BULKHEAD (THREAD) JIC X JIC - WITH SEALING O-RING

Part Number	R.R. Price	JIC A	JIC B	L	Hex A/F	Bulkhead O-Ring	O-Ring ID - Ø	O-Ring Section
A85KJEJ0707		7/16-20	7/16-20	65	22	A9SRJ07	14	2
A85KJEJ0909		9/16-18	9/16-18	66	25	A9SRJ09	16	2
A85KJEJ1212		3/4-16	3/4-16	76	32	A9SRJ12	23	3
A85KJEJ1414		7/8-14	7/8-14	82	33	A9SRJ14	24	3
A85KJEJ1717		1 1/16-12	1 1/16-12	86	38	A9SRJ17	29	3
A85KJEJ2121		1 5/16-12	1 5/16-12	92	47	A9SRJ21	35	3
A85KJEJ2626		1 5/8-12	1 5/8-12	98	57	A9SRJ26	44	3
A85KJEJ3030		1 7/8-12	1 7/8-12	104	63	A9SRJ30	50	3
A85KJEJ4040		2 1/2-12	2 1/2-12	116	76	A9SRJ40	66	3

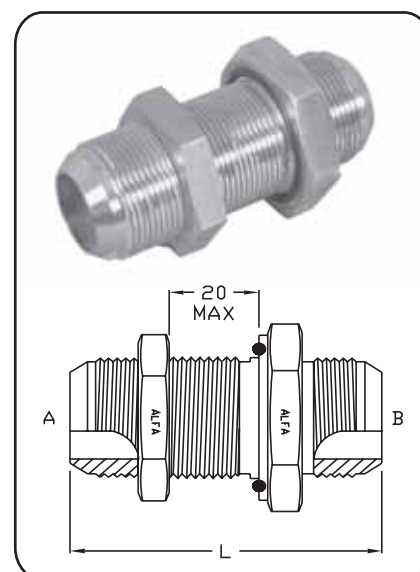
Finish - Zinc Plated

Extended Adaptors: **Order Code Example:**

A85KJEJ1212L95

Length = 95mm O/All

- **Stainless (316L)** Change 1st Letter from A to S



BULKHEAD NUT X JIC

Part Number	R.R. Price	JIC A	Width	Hex A/F
A85NKJ07		7/16-20	8	19
A85NKJ09		9/16-18	8	22
A85NKJ12		3/4-16	8	27
A85NKJ14		7/8-14	11	32
A85NKJ17		1 1/16-12	11	35
A85NKJ21		1 5/16-12	12	41
A85NKJ26		1 5/8-12	12	51
A85NKJ30		1 7/8-12	14	57
A85NKJ40		2 1/2-12	14	74

Finish - Zinc Plated



BULKHEAD ADAPTORS



BULKHEAD (THREAD) ORFS X ORFS

Part Number	R.R. Price	ORFS A	ORFS B	L	Hex A/F
A87KOO0909		9/16-18	9/16-18	56	22
A87KOO1111		11/16-16	11/16-16	60	25
A87KOO1313		13/16-16	13/16-16	68	32
A87KOO1616		1-14	1-14	74	33
A87KOO1919		1 3/16-12	1 3/16-12	77	38
A87KOO2323		1 7/16-12	1 7/16-12	80	47
A87KOO2727		1 11/16-12	1 11/16-12	80	51
A87KOO3232		2-12	2-12	84	63

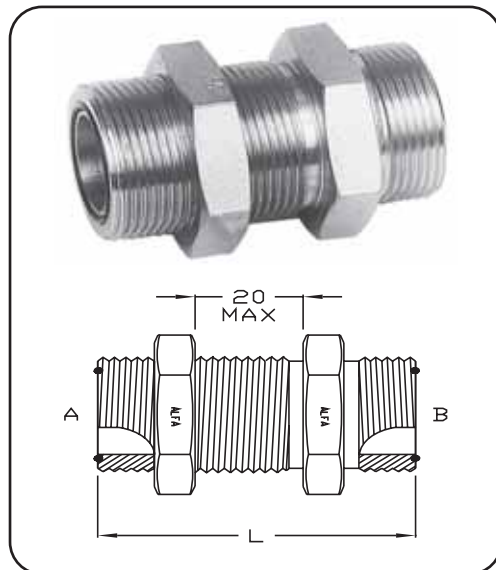
Finish - Zinc Plated

Extended Adaptors: Order Code Example:

A87KOO1313L95

Length = 95mm O/All

- **Stainless (316L)** Change 1st Letter from A to S



BULKHEAD (THREAD) ORFS X ORFS WITH SEALING O-RING

Part Number	R.R. Price	ORFS A	ORFS B	L	Hex A/F	Bulkhead O-Ring	O-Ring ID - Ø	O-Ring Section
A87KOE0909		9/16-18	9/16-18	56	25	A9SRO09	16	2
A87KOE01111		11/16-16	11/16-16	60	27	A9SRO11	20	2
A87KOE01313		13/16-16	13/16-16	68	32	A9SRO13	23	3
A87KOE01616		1-14	1-14	74	38	A9SRO16	28	3
A87KOE01919		1 3/16-12	1 3/16-12	79	47	A9SRO19	33	3
A87KOE02323		1 7/16-12	1 7/16-12	80	51	A9SRO23	39	3
A87KOE02727		1 11/16-12	1 11/16-12	84	57	A9SRO27	45	3
A87KOE03232		2-12	2-12	84	63	A9SRO32	53	3

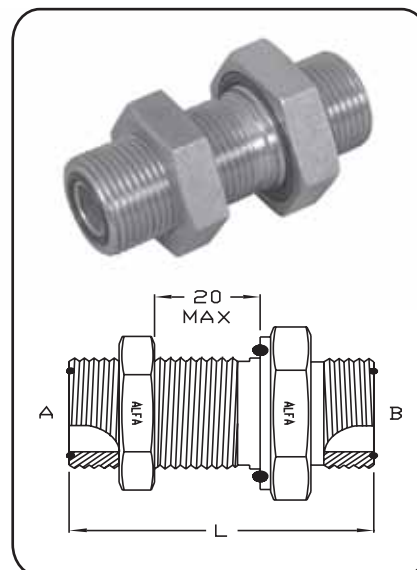
Finish - Zinc Plated

Extended Adaptors: Order Code Example:

A87KOE01313L95

Length = 95mm O/All

- **Stainless (316L)** Change 1st Letter from A to S



BULKHEAD NUT X ORFS

Part Number	R.R. Price	ORFS A	Width	Hex A/F
A87NKO09		9/16-18	8	22
A87NKO11		11/16-16	8	25
A87NKO13		13/16-16	11	32
A87NKO16		1-14	11	33
A87NKO19		1 3/16-12	11	38
A87NKO23		1 7/16-12	12	47
A87NKO27		1 11/16-12	12	51
A87NKO32		2-12	14	63

Finish - Zinc Plated

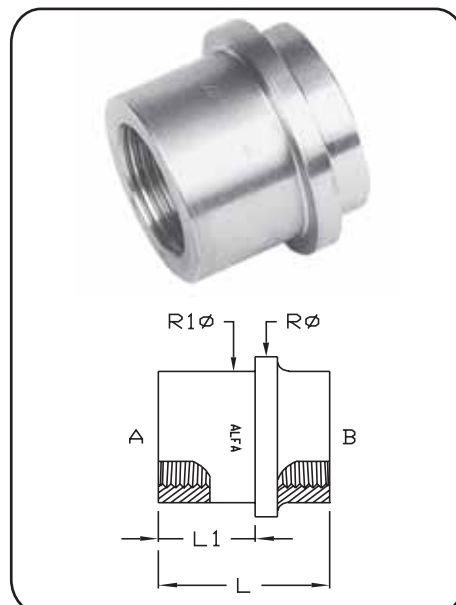


BULKHEAD (WELD) SOCKET - BSPPF X BSPPF

Part Number	R.R. Price	BSPPF A	BSPPF B	L	L1	Weld R - Ø	Boss R1 - Ø	Mat Grade or Equiv.
A85FBB0404		1/4-19	1/4-19	32	16	32 x 6	22	250
A85FBB0606		3/8-19	3/8-19	32	16	37 x 6	27	1020
A85FBB0808		1/2-14	1/2-14	32	16	43 x 6	33	1020
A85FBB1212		3/4-14	3/4-14	36	20	48 x 6	38	1020
A85FBB1616		1-11	1-11	40	24	56 x 6	46	1020
A85FBB2020		1 1/4-11	1 1/4-11	44	28	65 x 6	55	1020
A85FBB2424		1 1/2-11	1 1/2-11	48	32	71 x 6	61	1020
A85FBB3232		2-11	2-11	52	36	85 x 6	75	1020
A85FBB4040		2 1/2-11	2 1/2-11	56	36	101 x 10	91	1020
A85FBB4848		3-11	3-11	60	40	114 x 10	104	1020
A85FBB6464		4-11	4-11	68	48	141 x 10	131	1020

Thread Specifications: [Reference Tables, page 194](#)

- Stainless (316L) Change 1st Letter from A to S



BULKHEAD (WELD) SOCKET - BSPTF X BSPTF

Part Number	R.R. Price	BSPTF A	BSPTF B	L	L1	Weld R - Ø	Boss R1 - Ø	Mat Grade or Equiv.
A85FGG0404		1/4-19	1/4-19	36	20	30 x 6	22	250
A85FGG0606		3/8-19	3/8-19	36	20	35 x 6	27	250
A85FGG0808		1/2-14	1/2-14	46	30	39 x 6	31	1020
A85FGG1212		3/4-14	3/4-14	46	30	45 x 6	36	1020
A85FGG1616		1-11	1-11	56	40	52 x 6	45	1020
A85FGG2020		1 1/4-11	1 1/4-11	58	42	63 x 6	56	1020
A85FGG2424		1 1/2-11	1 1/2-11	58	42	71 x 6	61	1020
A85FGG3232		2-11	2-11	62	46	84 x 6	74	1020
A85FGG4040		2 1/2-11	2 1/2-11	68	48	99 x 10	92	1020
A85FGG4848		3-11	3-11	72	52	112 x 10	106	1020
A85FGG6464		4-11	4-11	80	60	143 x 10	136	1020

Thread Specifications: [Reference Tables, page 197](#)

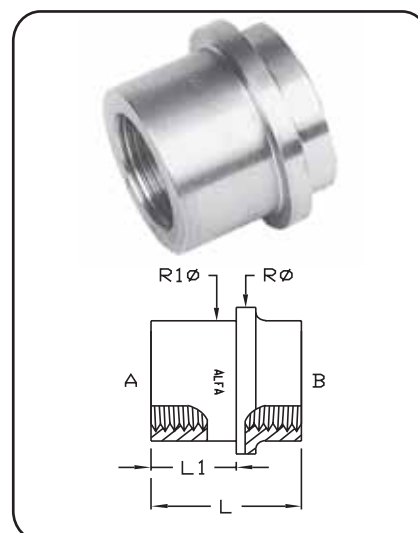
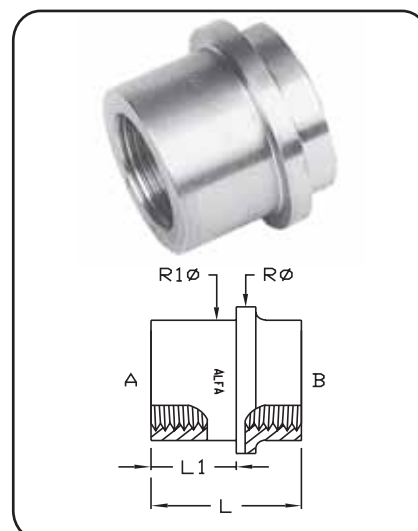
- Stainless (316L) Change 1st Letter from A to S

BULKHEAD (WELD) SOCKET - NPTF X NPTF

Part Number	R.R. Price	NPTF A	NPTF B	L	L1	Weld R - Ø	Boss R1 - Ø	Mat Grade or Equiv.
A85FNN0404		1/4-18	1/4-18	36	20	30 x 6	22	250
A85FNN0606		3/8-18	3/8-18	36	20	35 x 6	27	250
A85FNN0808		1/2-14	1/2-14	46	30	39 x 6	30	1020
A85FNN1212		3/4-14	3/4-14	46	30	45 x 6	36	1020
A85FNN1616		1-11.5	1-11.5	56	40	52 x 6	45	1020
A85FNN2020		1 1/4-11.5	1 1/4-11.5	58	42	63 x 6	56	1020
A85FNN2424		1 1/2-11.5	1 1/2-11.5	58	42	71 x 6	61	1020
A85FNN3232		2-11.5	2-11.5	62	46	84 x 6	74	1020

Thread Specifications: [Reference Tables, page 198](#)

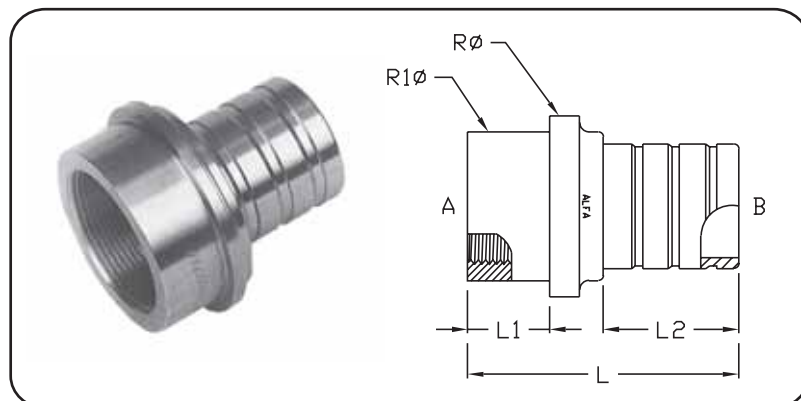
- Stainless (316L) Change 1st Letter from A to S



BULKHEAD ADAPTORS



BULKHEAD (WELD) BSPPF X SUCTION

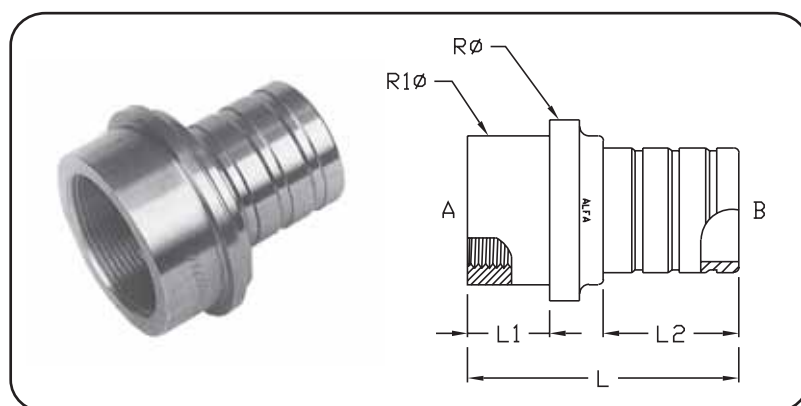


Thread Specifications: [Reference Tables, page 194](#)

- **Stainless (316L)** Change 1st Letter from A to S

Part Number	R.R. Price	BSPPF A	Hosetail B	B - Ø	L	L1	L2	Weld R - Ø	Boss R1 - Ø	Mat Grade or Equiv.
A86BF1616		1-11	1	25.4	70	18	40	56 x 6	46	1020
A86BF2020		1 1/4-11	1 1/4	31.75	82	20	50	65 x 6	55	1020
A86BF2424		1 1/2-11	1 1/2	38.1	84	22	50	71 x 6	61	1020
A86BF3232		2-11	2	50.8	88	26	50	85 x 6	75	1020
A86BF4040		2 1/2-11	2 1/2	63.5	110	20	70	101 x 10	91	1020
A86BF4848		3-11	3	76.2	113	23	70	114 x 10	104	1020
A86BF4856		3-11	3 1/2	88.9	113	23	70	114 x 10	104	1020
A86BF4864		3-11	4	101.6	113	23	70	114 x 10	104	1020
A86BF6464		4-11	4	101.6	118	28	70	141 x 10	131	1020

BULKHEAD (WELD) BSPTF X SUCTION



Thread Specifications: [Reference Tables, page 197](#)

- **Stainless (316L)** Change 1st Letter from A to S

Part Number	R.R. Price	BSPTF A	Hosetail B	B - Ø	L	L1	L2	Weld R - Ø	Boss R1 - Ø	Mat Grade or Equiv.
A86GF1616		1-11	1	25.4	77	25	40	52 x 6	42	1020
A86GF2020		1 1/4-11	1 1/4	31.75	90	28	50	63 x 6	53	1020
A86GF2424		1 1/2-11	1 1/2	38.1	92	30	50	71 x 6	61	1020
A86GF3232		2-11	2	50.8	95	33	50	84 x 6	74	1020
A86GF4040		2 1/2-11	2 1/2	63.5	117	27	70	99 x 10	89	1020
A86GF4848		3-11	3	76.2	119	29	70	112 x 10	102	1020
A86GF4856		3-11	3 1/2	88.9	119	29	70	112 x 10	102	1020
A86GF4864		3-11	4	101.6	119	29	70	112 x 10	102	1020
A86GF6464		4-11	4	101.6	128	38	70	143 x 10	133	1020



BULKHEAD ADAPTORS

MISCELLANEOUS ADAPTORS

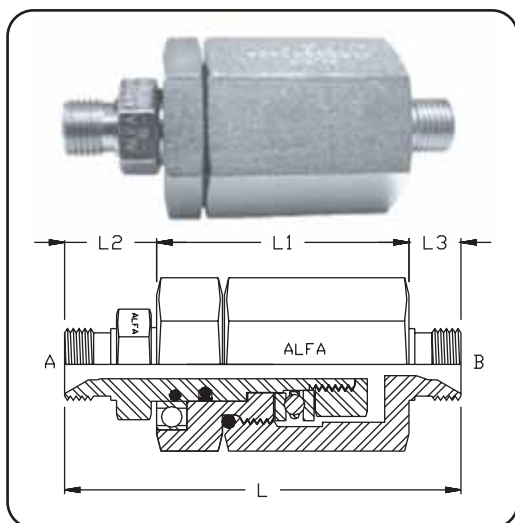


MISCELLANEOUS ADAPTORS

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MISCELLANEOUS ADAPTORS

ROTARY SWIVEL STRAIGHT - BSPP X BSPP



Max Speed = 200 RPM

Rotary Seal : Teflon Moly Bronze (TMB)

- **Stainless** (316) Change 1st Letter from A to S

Internal Bearings and Seals are lubricated by the System Fluid

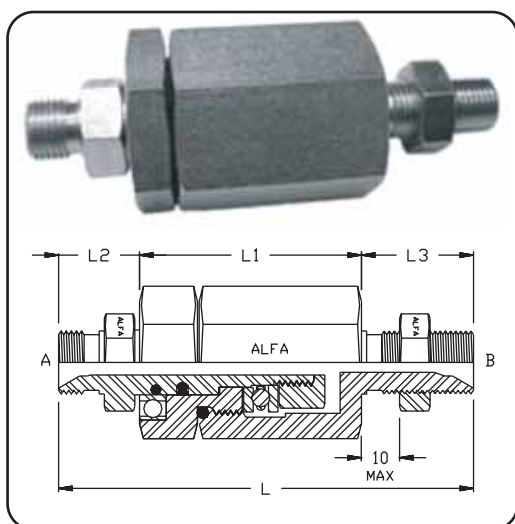
This Product only suitable with oils providing lubricating properties

With the myriad of potential applications where this product may or may not be suitable, we strongly recommend prototype testing to confirm suitability

Thread Specifications: [Reference Tables, page 194](#)

Part Number	R.R. Price	BSPP A - Rotor	BSPP B - Stator	L	Stator L1	Stator Hex A/F	Rotor L2	Rotor Hex A/F	Fixed Thrd L3
A9RABB0404		1/4-19	1/4-19	102	70	38	20	19	12
A9RABB0606		3/8-19	3/8-19	102	70	38	20	22	12
A9RABB0808		1/2-14	1/2-14	110	74	47	22	27	14
A9RABB1212		3/4-14	3/4-14	126	83	51	27	33	16
A9RABB1616		1-11	1-11	134	86	63	30	41	18

ROTARY SWIVEL STRAIGHT - BSPP X BSPP B/HEAD



Max Speed = 200 RPM

Rotary Seal : Teflon Moly Bronze (TMB)

Bulkhead Nut included

- **Stainless** (316) Change 1st Letter from A to S

Internal Bearings and Seals are lubricated by the System Fluid

This Product only suitable with oils providing lubricating properties

With the myriad of potential applications where this product may or may not be suitable, we strongly recommend prototype testing to confirm suitability

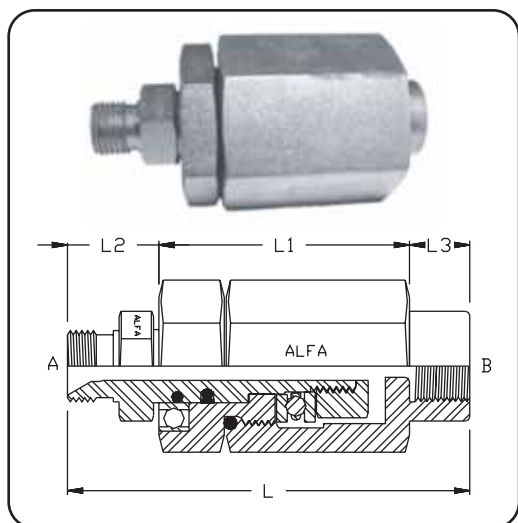
Thread Specifications: [Reference Tables, page 194](#)

Part Number	R.R. Price	BSPP A - Rotor	BSPP B - Stator	L	Stator L1	Stator Hex A/F	Rotor L2	Rotor Hex A/F	Fixed Thrd L3	B/Head Lock Nut
A9RABBK0404		1/4-19	1/4-19	138	88	38	20	19	30	A85NKB04
A9RABBK0606		3/8-19	3/8-19	138	88	38	20	22	30	A85NKB06
A9RABBK0808		1/2-14	1/2-14	146	92	47	22	27	32	A85NKB08
A9RABBK1212		3/4-14	3/4-14	168	104	51	27	33	37	A85NKB12
A9RABBK1616		1-11	1-11	178	108	63	30	41	40	A85NKB16

MISCELLANEOUS ADAPTORS



ROTARY SWIVEL STRAIGHT - BSPP X BSPPF



Max Speed = 200 RPM

Rotary Seal : Teflon Moly Bronze (TMB)

- **Stainless** (316) Change 1st Letter from A to S

Internal Bearings and Seals are lubricated by the System Fluid

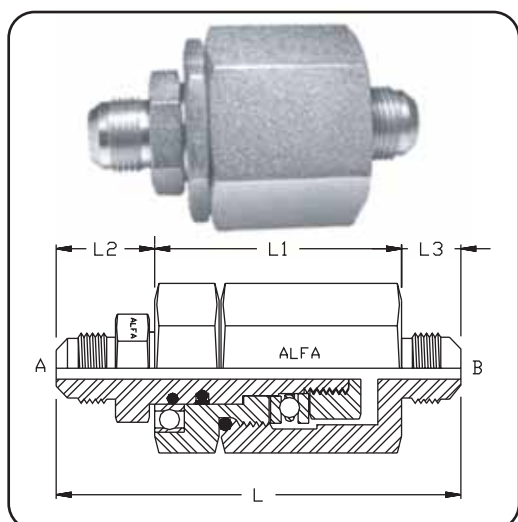
This Product only suitable with oils providing lubricating properties

With the myriad of potential applications where this product may or may not be suitable, we strongly recommend prototype testing to confirm suitability

Thread Specifications: [Reference Tables, page 194](#)

Part Number	R.R. Price	BSPP A - Rotor	BSPPF B - Stator	L	Stator L1	Stator Hex A/F	Rotor L2	Rotor Hex A/F	Fixed Thrd L3
A9RAHBB0404		1/4-19	1/4-19	106	72	38	20	19	14
A9RAHBB0606		3/8-19	3/8-19	106	72	38	20	22	14
A9RAHBB0808		1/2-14	1/2-14	114	76	47	22	27	16
A9RAHBB1212		3/4-14	3/4-14	130	85	51	27	33	18
A9RAHBB1616		1-11	1-11	138	88	63	30	41	20

ROTARY SWIVEL STRAIGHT - JIC X JIC



Max Speed = 200 RPM

Rotary Seal : Teflon Moly Bronze (TMB)

- **Stainless** (316) Change 1st Letter from A to S

Internal Bearings and Seals are lubricated by the System Fluid

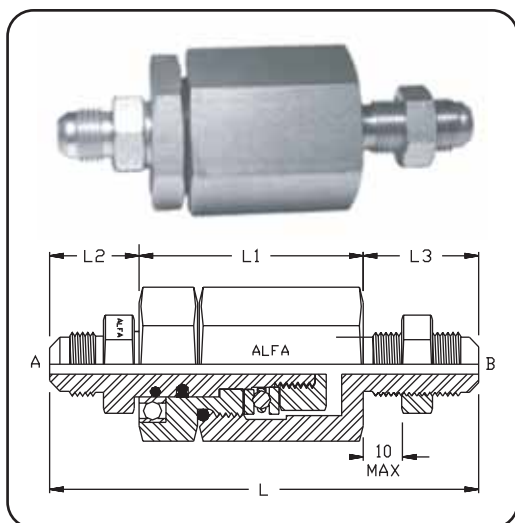
This Product only suitable with oils providing lubricating properties

With the myriad of potential applications where this product may or may not be suitable, we strongly recommend prototype testing to confirm suitability

Thread Specifications: [Reference Tables, page 198](#)

Part Number	R.R. Price	JIC A - Rotor	JIC B - Stator	L	Stator L1	Stator Hex A/F	Rotor L2	Rotor Hex A/F	Fixed Thrd L3
A9RAJJ0909		9/16-18	9/16-18	108	72	38	22	19	14
A9RAJJ1212		3/4-16	3/4-16	118	77	47	25	25	17
A9RAJJ1717		1 1/16-12	1 1/16-12	144	89	51	33	32	22
A9RAJJ2121		1 5/16-12	1 5/16-12	148	91	63	34	38	23
A9RAJJ2626		1 5/8-12	1 5/8-12	155	94	70	36	47	24

ROTARY SWIVEL STRAIGHT - JIC X JIC B/HEAD



Max Speed = 200 RPM

Rotary Seal : Teflon Moly Bronze (TMB)

Bulkhead Nut included

- **Stainless** (316) Change 1st Letter from A to S

Internal Bearings and Seals are lubricated by the System Fluid

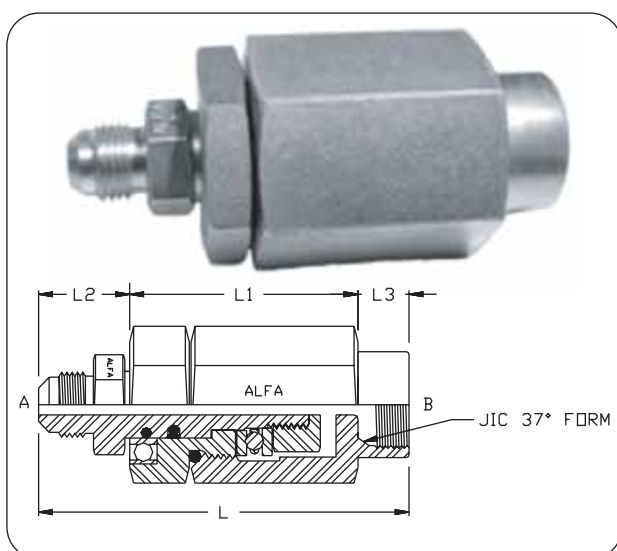
This Product only suitable with oils providing lubricating properties

With the myriad of potential applications where this product may or may not be suitable, we strongly recommend prototype testing to confirm suitability

Thread Specifications: [Reference Tables, page 198](#)

Part Number	R.R. Price	JIC A - Rotor	JIC B - Stator	L	Stator L1	Stator Hex A/F	Rotor L2	Rotor Hex A/F	Fixed Thrd L3	B/Head Lock Nut
A9RAJJK0909		9/16-18	9/16-18	140	90	38	18	19	32	A85NKJ09
A9RAJJK1212		3/4-16	3/4-16	149	95	47	19	19	35	A85NKJ12
A9RAJJK1717		1 1/16-12	1 1/16-12	174	110	51	21	25	43	A85NKJ17
A9RAJJK2121		1 5/16-12	1 5/16-12	186	113	63	28	32	45	A85NKJ21
A9RAJJK2626		1 5/8-12	1 5/8-12	191	116	70	29	38	46	A85NKJ26

ROTARY SWIVEL STRAIGHT - JIC X JICF



Max Speed = 200 RPM

Rotary Seal : Teflon Moly Bronze (TMB)

- **Stainless** (316) Change 1st Letter from A to S

Internal Bearings and Seals are lubricated by the System Fluid

This Product only suitable with oils providing lubricating properties

With the myriad of potential applications where this product may or may not be suitable, we strongly recommend prototype testing to confirm suitability

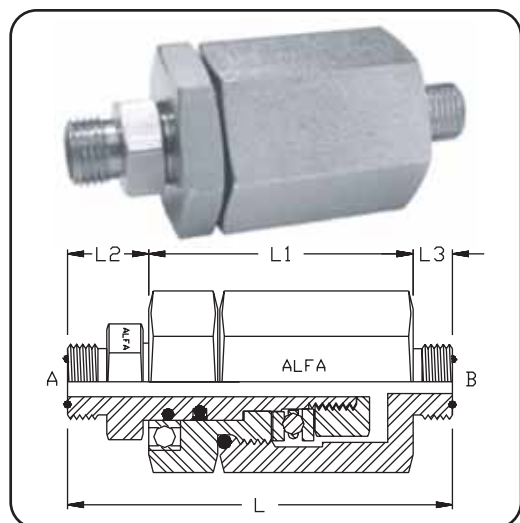
Thread Specifications: [Reference Tables, page 198](#)
: [Reference Tables, page 199](#)

Part Number	R.R. Price	JIC A - Rotor	JICF B - Stator	L	Stator L1	Stator Hex A/F	Rotor L2	Rotor Hex A/F	Fixed Thrd L3
A9RAHJJ0909		9/16-18	9/16-18	106	71	38	22	19	13
A9RAHJJ1212		3/4-16	3/4-16	116	76	47	25	25	16
A9RAHJJ1717		1 1/16-12	1 1/16-12	142	88	51	33	32	21
A9RAHJJ2121		1 5/16-12	1 5/16-12	146	90	63	34	38	22
A9RAHJJ2626		1 5/8-12	1 5/8-12	153	95	70	36	47	23

MISCELLANEOUS ADAPTORS



ROTARY SWIVEL STRAIGHT - ORFS X ORFS



Max Speed = 200 RPM

Rotary Seal : Teflon Moly Bronze (TMB)

- **Stainless (316)** Change 1st Letter from A to S

Internal Bearings and Seals are lubricated by the System Fluid

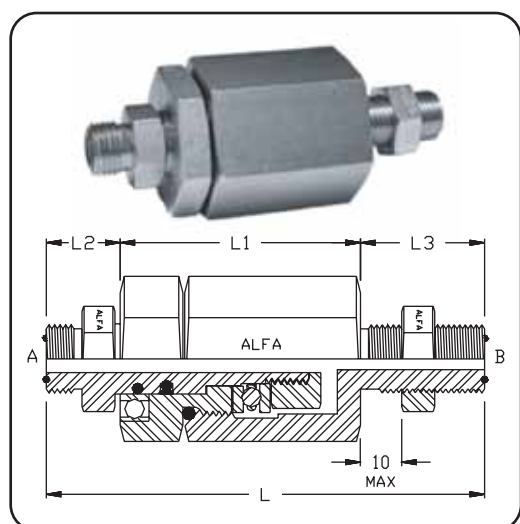
This Product only suitable with oils providing lubricating properties

With the myriad of potential applications where this product may or may not be suitable, we strongly recommend prototype testing to confirm suitability

Thread Specifications: [Reference Tables, page 200](#)

Part Number	R.R. Price	ORFS A - Rotor	ORFS B - Stator	L	Stator L1	Stator Hex A/F	Rotor L2	Rotor Hex A/F	Fixed Thrd L3	ORFS O-Ring
A9RAOO0909		9/16-18	9/16-18	95	68	38	18	19	10	A9SO09
A9RAOO1111		11/16-16	11/16-16	100	69	38	19	19	11	A9SO11
A9RAOO1313		13/16-16	13/16-16	106	73	47	21	25	13	A9SO13
A9RAOO1919		1 3/16-12	1 3/16-12	129	84	51	28	32	17	A9SO19
A9RAOO2323		1 7/16-12	1 7/16-12	132	86	63	29	38	18	A9SO23
A9RAOO2727		1 11/16-12	1 11/16-12	135	88	70	30	47	18	A9SO27

ROTARY SWIVEL STRAIGHT - ORFS X ORFS B/HEAD



Max Speed = 200 RPM

Rotary Seal : Teflon Moly Bronze (TMB)

Bulkhead Nut included

- **Stainless (316)** Change 1st Letter from A to S

Internal Bearings and Seals are lubricated by the System Fluid

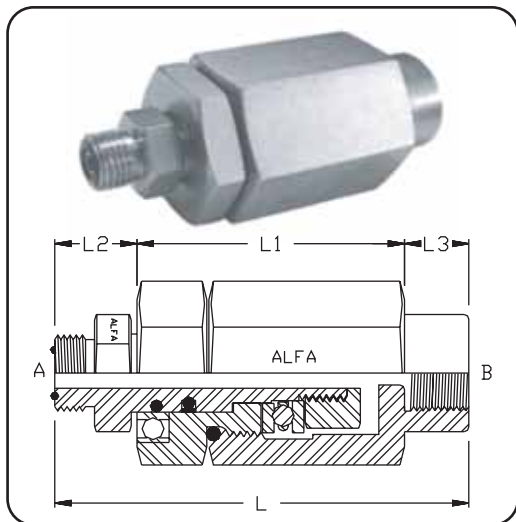
This Product only suitable with oils providing lubricating properties

With the myriad of potential applications where this product may or may not be suitable, we strongly recommend prototype testing to confirm suitability

Thread Specifications: [Reference Tables, page 200](#)

Part Number	R.R. Price	ORFS A - Rotor	ORFS B - Stator	L	Stator L1	Stator Hex A/F	Rotor L2	Rotor Hex A/F	Fixed Thrd L3	ORFS O-Ring	B/Head Lock Nut
A9RAOOK0909		9/16-18	9/16-18	131	86	38	18	19	28	A9SO09	A87NKO09
A9RAOOK1111		11/16-16	11/16-16	136	87	38	19	19	29	A9SO11	A87NKO11
A9RAOOK1313		13/16-16	13/16-16	148	94	47	21	25	34	A9SO13	A87NKO13
A9RAOOK1919		1 3/16-12	1 3/16-12	171	105	51	28	32	38	A9SO19	A87NKO19
A9RAOOK2323		1 7/16-12	1 7/16-12	176	108	63	29	38	40	A9SO23	A87NKO23
A9RAOOK2727		1 11/16-12	1 11/16-12	177	108	63	30	47	40	A9SO27	A87NKO27

ROTARY SWIVEL STRAIGHT - ORFS X ORFS/FEMALE



Max Speed = 200 RPM

Rotary Seal : Teflon Moly Bronze (TMB)

- **Stainless** (316) Change 1st Letter from A to S

Internal Bearings and Seals are lubricated by the System Fluid

This Product only suitable with oils providing lubricating properties

With the myriad of potential applications where this product may or may not be suitable, we strongly recommend prototype testing to confirm suitability

Thread Specifications: [Reference Tables, page 200](#)

Part Number	R.R. Price	ORFS A - Rotor	ORFSF B - Stator	L	Stator L1	Stator Hex A/F	Rotor L2	Rotor Hex A/F	Fixed Thrd L3	ORFS O-Ring
A9RAHOO0909		9/16-18	9/16-18	91	66	38	18	19	8	A9SO09
A9RAHOO1111		11/16-16	11/16-16	96	67	38	19	19	9	A9SO11
A9RAHOO1313		13/16-16	13/16-16	102	71	47	21	25	11	A9SO13
A9RAHOO1919		1 3/16-12	1 3/16-12	125	82	51	28	32	15	A9SO19
A9RAHOO2323		1 7/16-12	1 7/16-12	128	84	63	29	38	16	A9SO23
A9RAHOO2727		1 11/16-12	1 11/16-12	131	86	70	30	47	16	A9SO27

MISCELLANEOUS ADAPTORS

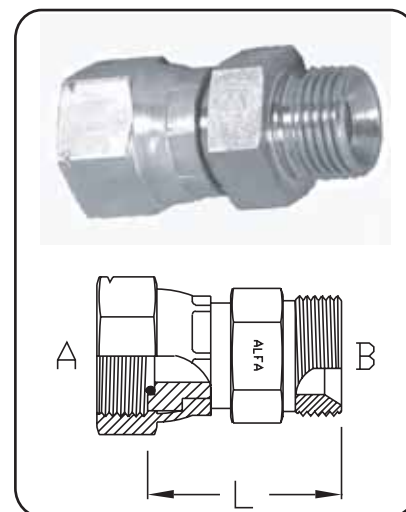


ADAPTOR - GAUGE (BSPP) X BSPP

Part Number	R.R. Price	Gauge A	BSPP B	L	Hex A/F	Swivel Hex A/F	Gauge O-Ring
A9DB0402		BSPP - 1/4	1/8-28	36	16	19	A9SUN05
A9DB0404		BSPP - 1/4	1/4-19	38	19	19	A9SUN05
A9DB0406		BSPP - 1/4	3/8-19	38	22	19	A9SUN05
A9DB0408		BSPP - 1/4	1/2-14	40	27	19	A9SUN05
A9DB0804		BSPP - 1/2	1/4-19	40	22	27	A9SUN07
A9DB0806		BSPP - 1/2	3/8-19	38	22	27	A9SUN07
A9DB0808		BSPP - 1/2	1/2-14	40	27	27	A9SUN07

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 194](#)

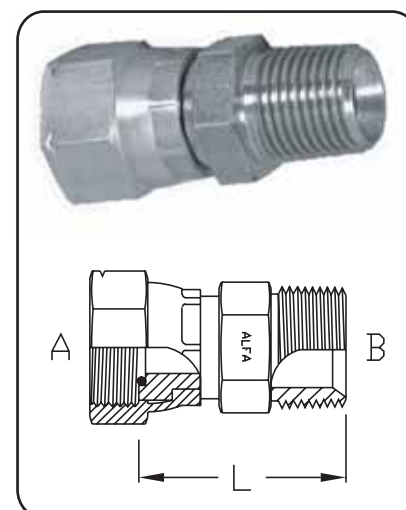


ADAPTOR - GAUGE (BSPP) X BSPT

Part Number	R.R. Price	Gauge A	BSPT B	L	Hex A/F	Swivel Hex A/F	Gauge O-Ring
A9DG0402		BSPP - 1/4	1/8-28	36	16	19	A9SUN05
A9DG0404		BSPP - 1/4	1/4-19	42	16	19	A9SUN05
A9DG0406		BSPP - 1/4	3/8-19	42	22	19	A9SUN05
A9DG0408		BSPP - 1/4	1/2-14	47	25	19	A9SUN05
A9DG0804		BSPP - 1/2	1/4-19	42	22	27	A9SUN07
A9DG0806		BSPP - 1/2	3/8-19	42	22	27	A9SUN07
A9DG0808		BSPP - 1/2	1/2-14	47	25	27	A9SUN07

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 197](#)

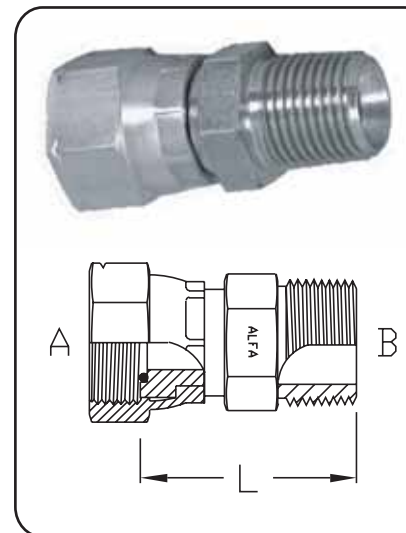


ADAPTOR - GAUGE (BSPP) X NPT

Part Number	R.R. Price	Gauge A	NPT B	L	Hex A/F	Swivel Hex A/F	Gauge O-Ring
A9DN0402		BSPP - 1/4	1/8-27	36	16	19	A9SUN05
A9DN0404		BSPP - 1/4	1/4-18	42	16	19	A9SUN05
A9DN0406		BSPP - 1/4	3/8-18	42	22	19	A9SUN05
A9DN0408		BSPP - 1/4	1/2-14	47	25	19	A9SUN05
A9DN0804		BSPP - 1/2	1/4-18	42	22	27	A9SUN07
A9DN0806		BSPP - 1/2	3/8-18	42	22	27	A9SUN07
A9DN0808		BSPP - 1/2	1/2-14	47	25	27	A9SUN07

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 197](#)



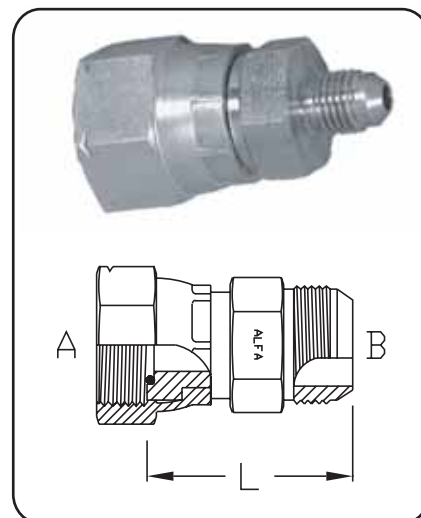
MISCELLANEOUS ADAPTORS

ADAPTOR - GAUGE (BSPP) X JIC

Part Number	R.R. Price	Gauge A	JIC B	L	Hex A/F	Swivel Hex A/F	Gauge O-Ring
A9DJ0407		BSPP - 1/4	7/16-20	40	16	19	A9SUN05
A9DJ0409		BSPP - 1/4	9/16-18	40	16	19	A9SUN05
A9DJ0807		BSPP - 1/2	7/16-20	40	22	27	A9SUN07
A9DJ0809		BSPP - 1/2	9/16-18	40	22	27	A9SUN07

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 198](#)

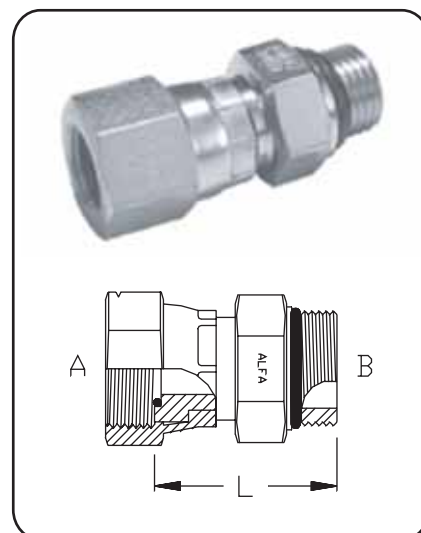


ADAPTOR - GAUGE (BSPP) X UN-O

Part Number	R.R. Price	Gauge A	UN-O B	L	Hex A/F	Swivel Hex A/F	Gauge O-Ring	UN-O O-Ring
A9DU0407		BSPP - 1/4	7/16-20	37	16	19	A9SUN05	A9SUN07
A9DU0409		BSPP - 1/4	9/16-18	37	19	19	A9SUN05	A9SUN09
A9DU0412		BSPP - 1/4	3/4-16	40	25	19	A9SUN05	A9SUN12
A9DU0809		BSPP - 1/2	9/16-18	37	22	27	A9SUN07	A9SUN09
A9DU0812		BSPP - 1/2	3/4-16	40	25	27	A9SUN07	A9SUN12

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 199](#)

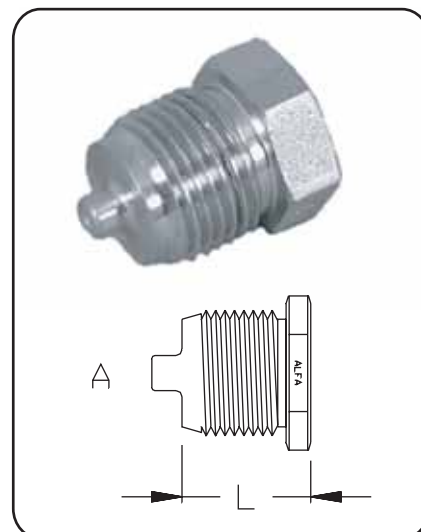


ADAPTOR - PLUG - GAUGE (BSPP)

Part Number	R.R. Price	Gauge A	L	Hex A/F
A9DP04		1/4-19	23	16
A9DP08		1/2-14	31	22

- **Stainless (316)** Change 1st Letter from A to S

Thread Specifications: [Reference Tables, page 194](#)



MISCELLANEOUS ADAPTORS



ADAPTOR - GAUGE (BSPP) X BSPP EXTENDED "E"

Part Number	R.R. Price	Gauge A	JIC B	L	Hex A/F	Swivel Hex A/F	Gauge O-Ring
A9DEB0404		BSPP - 1/4	1/4-19	80	19	19	A9SUN05
A9DEB0808		BSPP - 1/2	1/2-14	82	27	27	A9SUN07

- **Stainless** (316) Change 1st Letter from A to S

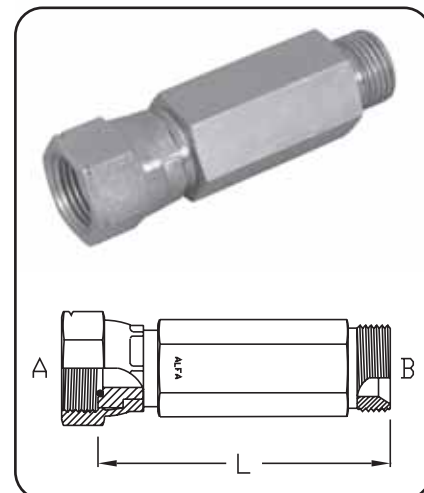
Thread Specifications: [Reference Tables, page 194](#)

Extend Adaptors

Order Code Example:

A9DEB0404L95

Length = 95mm O/All



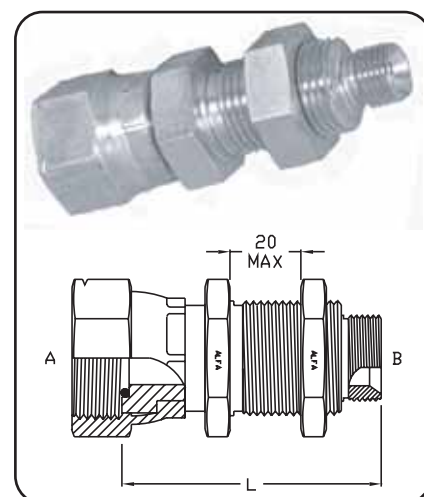
ADAPTOR - GAUGE (BSPP) X BSPP B/HEAD

Part Number	R.R. Price	Gauge A	BSPP B	L	Hex A/F	Swivel Hex A/F	Gauge O-Ring
A9DKB0404		BSPP - 1/4	1/4-19	66	19	19	A9SUN05
A9DKB0804		BSPP - 1/2	1/4-19	66	27	27	A9SUN07

- **Stainless** (316) Change 1st Letter from A to S

Bulkhead Nut included

Thread Specifications: [Reference Tables, page 194](#)



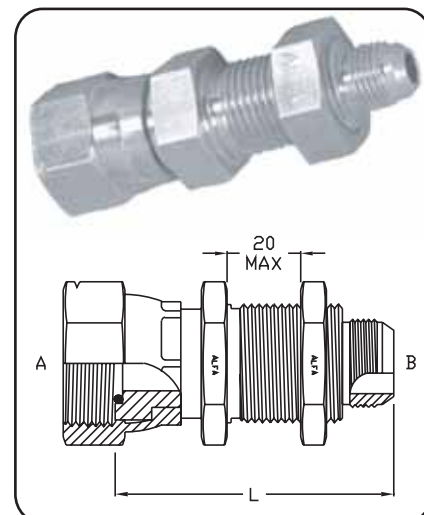
ADAPTOR - GAUGE (BSPP) X JIC B/HEAD

Part Number	R.R. Price	Gauge A	BSPP B	L	Hex A/F	Swivel Hex A/F	Gauge O-Ring
A9DKJ0407		BSPP - 1/4	7/16-20	68	19	19	A9SUN05
A9DKJ0409		BSPP - 1/4	9/16-18	68	22	19	A9SUN05
A9DKJ0807		BSPP - 1/2	7/16-20	68	27	27	A9SUN07
A9DKJ0809		BSPP - 1/2	9/16-18	68	27	27	A9SUN07

- **Stainless** (316) Change 1st Letter from A to S

Bulkhead Nut included

Thread Specifications: [Reference Tables, page 198](#)

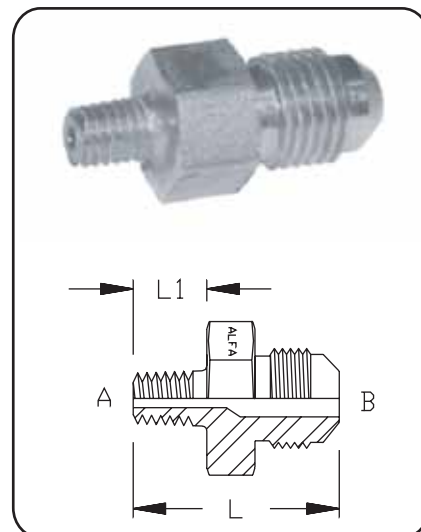


MISCELLANEOUS ADAPTORS

ADAPTOR - METRIC TAPER (GREASE) X JIC

Part Number	R.R. Price	Metric Taper A	JIC B	L	L1	Hex A/F
S9MLJ0607		ML 06-1.0	7/16-20	30	8	13

Material - Stainless (316)



BULKHEAD JIC X BSPTF (GREASE)

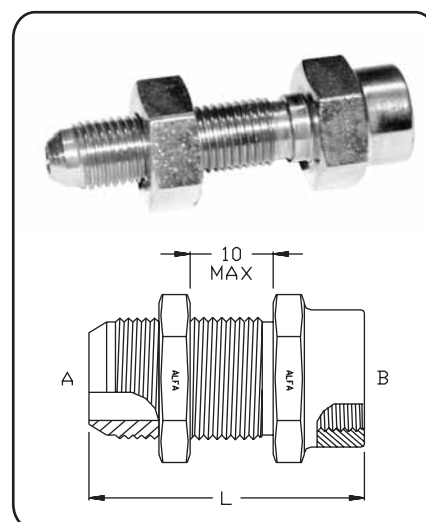
Part Number	R.R. Price	JIC A	BSPT B	L	Hex A/F
A9KHJG0702		7/16-20	1/8-28	48	19

- **Stainless (316)** Change 1st Letter from A to S

Bulkhead Nut included (Stainless 316)

A Thread Specifications: [Reference Tables, page 198](#)

B Thread Specifications: [Reference Tables, page 197](#)



BULKHEAD JIC X MULTI PORT (3) BSPTF (GREASE)

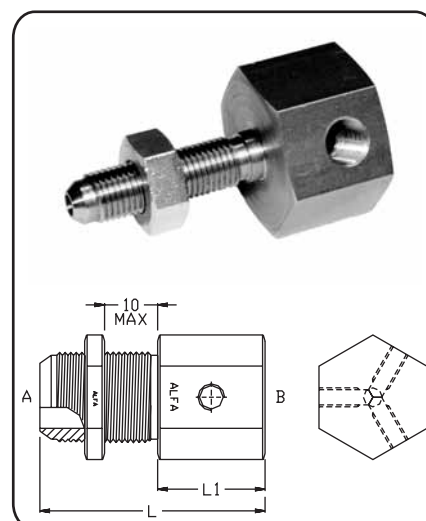
Part Number	R.R. Price	JIC A	BSPT B	L	L1	Hex A/F
A9KHJ3G0702		7/16-20	1/8-28	56	24	33

- **Stainless (316)** Change 1st Letter from A to S

Bulkhead Nut included (Stainless 316)

A Thread Specifications: [Reference Tables, page 198](#)

B Thread Specifications: [Reference Tables, page 197](#)



MISCELLANEOUS ADAPTORS



WHIP-CHECK (SWIVEL) - PNEUMATIC HOSE

Part Number	R.R. Price	JIC A	JICS B	L	Hex A/F	MAX BAR
A9WCJJS3030-10		1 7/8-12	1 7/8-12	85	57	102
A9WCJJS4040-10		2 1/2-12	2 1/2-12	97	74	51

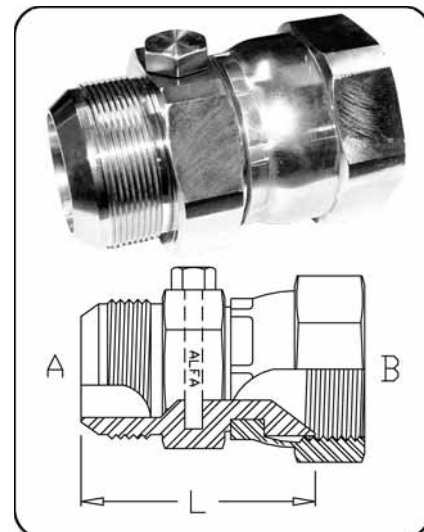
- **Stainless** (316) Change 1st Letter from A to S

WHIP CHECK PIN (316) included.

APPLICATION: To anchor line cable inside pneumatic hose.

JIC - Thread Specifications: [Reference Tables, page 198](#)

JICS - Thread Specifications: [Reference Tables, page 199](#)



WHIP-CHECK (FIXED) - PNEUMATIC HOSE

Part Number	R.R. Price	JIC A	JICF B	L	Hex A/F	MAX BAR
A9WCJ30-10		1 7/8-12	1 7/8-12	79	57	102
A9WCJ40-10		2 1/2-12	2 1/2-12	92	74	51

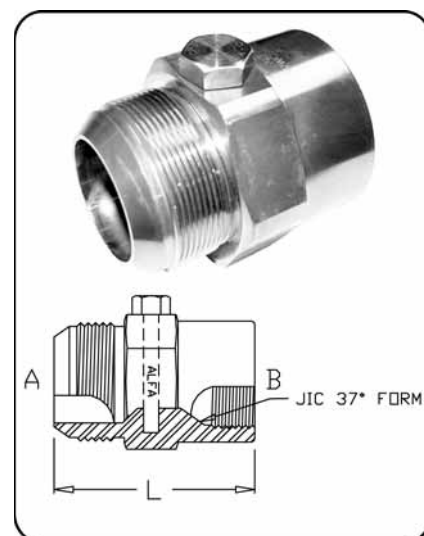
- **Stainless** (316) Change 1st Letter from A to S

WHIP CHECK PIN (316) included.

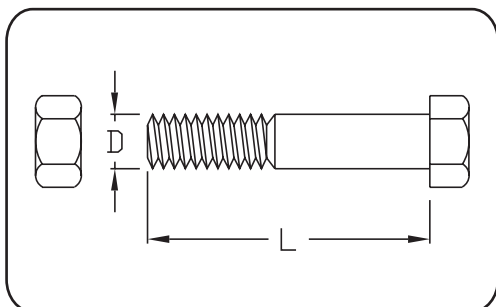
APPLICATION: To anchor line cable inside pneumatic hose.

JIC - Thread Specifications: [Reference Tables, page 198](#)

JICF - Thread Specifications: [Reference Tables, page 199](#)

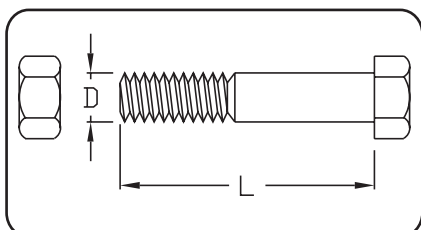


BOLT & NUT FOR SAE CODE 61 FLANGE ASSEMBLY



Part Number	R.R. Price	SAE Code-61	Bolt - Ø D	Type	L	Tensile Grade	Torque N-m (Nom.)
A9BN108		1/2	5/16	UNF	1 3/4	8.8	26
A9BN112		3/4	3/8	UNF	1 3/4	8.8	45
A9BN116		1	3/8	UNF	2	8.8	45
A9BN120		1 1/4	7/16	UNF	2	8.8	71
A9BN124		1 1/2	1/2	UNF	2 1/4	8.8	109
A9BN132		2	1/2	UNF	2 1/4	8.8	109
A9BN140		2 1/2	1/2	UNF	2 1/2	8.8	109
A9BN148		3	5/8	UNF	2 3/4	8.8	211
A9BN156		3 1/2	5/8	UNF	2 3/4	8.8	211
A9BN164		4	5/8	UNF	3	8.8	211
A9BN180		5	5/8	UNF	3 1/4	8.8	211

BOLT & NUT FOR SAE CODE 62 FLANGE ASSEMBLY



Part Number	R.R. Price	SAE Code-62	Bolt - Ø D	Type	L	Tensile Grade	Torque N-m (Nom.)
A9BN208		1/2	5/16	UNF	2	8.8	26
A9BN212		3/4	3/8	UNF	2 1/4	8.8	45
A9BN216		1	7/16	UNF	2 3/4	8.8	71
A9BN220		1 1/4	1/2	UNF	3	8.8	109
A9BN224		1 1/2	5/8	UNF	3 1/4	8.8	211
A9BN232		2	3/4	UNF	4	8.8	379
A9BN240		2 1/2	24mm	METRIC	130mm	8.8	776
A9BN248		3	30mm	METRIC	160mm	8.8	1575
A9BN264		4 (Alfa)	20mm	METRIC	150mm	8.8	455

SEAL - BONDED - BSPP



Part Number	R.R. Price	BSPP Size	OD - Ø	ID - Ø	Width
A9STB02		1/8	15.9	10.4	2.03
A9STB04		1/4	20.6	13.7	2.03
A9STB06		3/8	23.8	17.3	2.03
A9STB08		1/2	28.6	21.5	2.34
A9STB12		3/4	34.9	27.1	2.34
A9STB16		1	42.8	33.9	3.25
A9STB20		1 1/4	52.4	42.9	3.25
A9STB24		1 1/2	58.6	48.4	3.25
A9STB32		2	73.1	60.6	3.25

SEAL - BONDED - BSPP - 316 STAINLESS STEEL



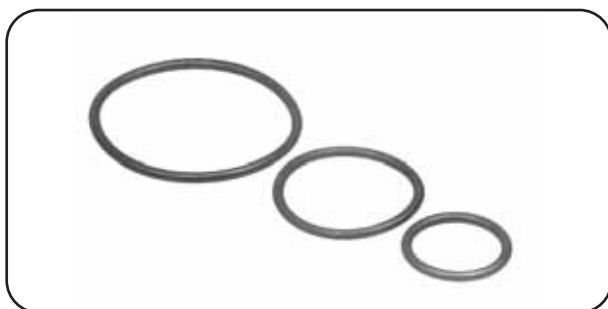
Part Number	R.R. Price	BSPP Size	OD - Ø	ID - Ø	Width
S9STB02		1/8	15.9	10.4	2.03
S9STB04		1/4	20.6	13.7	2.03
S9STB06		3/8	23.8	17.3	2.03
S9STB08		1/2	28.6	21.5	2.34
S9STB12		3/4	34.9	27.1	2.34
S9STB16		1	42.8	33.9	3.25
S9STB20		1 1/4	52.4	42.9	3.25
S9STB24		1 1/2	58.6	48.4	3.25
S9STB32		2	73.1	60.6	3.25

SEAL - BONDED - METRIC



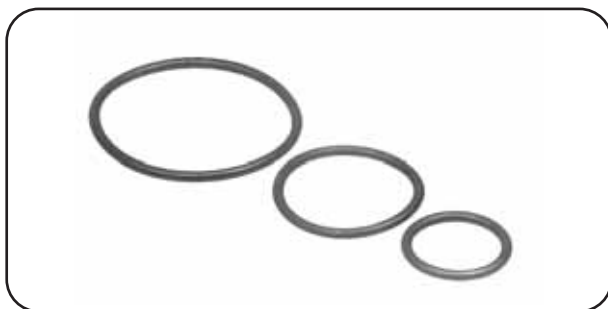
Part Number	R.R. Price	Metric Size	OD - Ø	ID - Ø	Width
A9STM10		M10	16	10.7	1.5
A9STM12		M12	18	12.7	1.5
A9STM14		M14	22	14.7	1.5
A9STM16		M16	24	16.7	1.5
A9STM18		M18	26	18.7	1.5
A9STM20		M20	28	20.7	1.5
A9STM22		M22	30	22.7	3.0
A9STM24		M24	32	24.7	2.0
A9STM26		M26	35	26.7	2.0
A9STM27		M27	36	27.2	2.0
A9STM28		M28	37	28.7	2.0
A9STM30		M30	39	31.0	2.0
A9STM33		M33	42	33.7	2.0
A9STM36		M36	46	36.7	2.0
A9STM42		M42	53	42.7	3.0
A9STM48		M48	59	48.7	3.0

SEAL - O-RING - SAE - NITRILE - 90 DURO



Part Number	R.R. Price	SAE Size	BS Standard
A9SS08		1/2	BS-210-N9
A9SS12		3/4	BS-214-N9
A9SS16		1	BS-219-N9
A9SS20		1 1/4	BS-222-N9
A9SS24		1 1/2	BS-225-N9
A9SS32		2	BS-228-N9
A9SS40		2 1/2	BS-232-N9
A9SS48		3	BS-237-N9
A9SS56		3 1/2	BS-241-N9
A9SS64		4	BS-245-N9
A9SS80		5	BS-253-N9

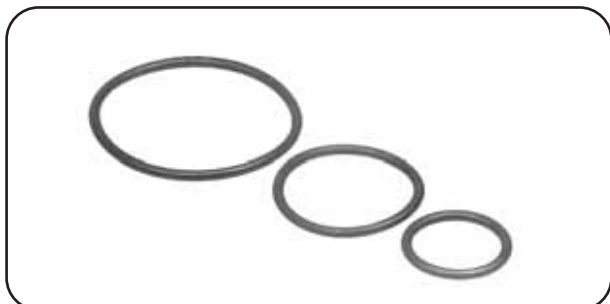
SEAL - O-RING - BSPP - ENCAPSULATED - NITRILE - 90 DURO



Part Number	R.R. Price	BSPP Size	ID - Ø	Section
A9SRB02		1/8	12	2
A9SRB04		1/4	15	2
A9SRB06		3/8	19	2
A9SRB08		1/2	23	3
A9SRB12		3/4	28	3
A9SRB16		1	35	3
A9SRB20		1 1/4	44	3
A9SRB24		1 1/2	50	3
A9SRB32		2	62	3
A9SRB40		2 1/2	77	3
A9SRB48		3	90	3
A9SRB64		4	115	3

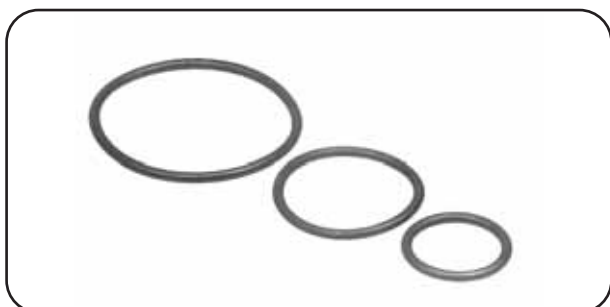
MISCELLANEOUS ADAPTORS

SEAL - O-RING - METRIC - ENCAPSULATED - NITRILE - 90 DURO



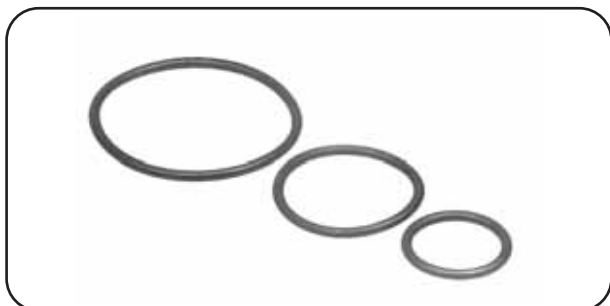
Part Number	R.R. Price	Metric Size	ID - Ø	Section
A9SRM10		M10	12	2
A9SRM12		M12	14	2
A9SRM14		M14	16	2
A9SRM16		M16	18	2
A9SRM18		M18	20	2
A9SRM20		M20	22	2
A9SRM22		M22	24	3
A9SRM24		M24	26	3
A9SRM26		M26	28	3
A9SRM27		M27	29	3
A9SRM28		M28	30	3
A9SRM30		M30	32	3
A9SRM33		M33	35	3
A9SRM36		M36	38	3
A9SRM42		M42	44	3
A9SRM48		M48	50	3

SEAL - O-RING - UNF - NITRILE - 90 DURO



Part Number	R.R. Price	UNF Size	BS Standard
A9SUN05		5/16	BS-902-N9
A9SUN07		7/16	BS-904-N9
A9SUN08		1/2	BS-905-N9
A9SUN09		9/16	BS-906-N9
A9SUN12		3/4	BS-908-N9
A9SUN14		7/8	BS-910-N9
A9SUN17		1 1/16	BS-912-N9
A9SUN19		1 3/16	BS-914-N9
A9SUN21		1 5/16	BS-916-N9
A9SUN26		1 5/8	BS-920-N9
A9SUN30		1 7/8	BS-924-N9
A9SUN40		2 1/2	BS-932-N9

SEAL - O-RING - O.R.F.S. - SAE J120 - NITRILE - 90 DURO



Part Number	R.R. Price	ORFS Size	BS Standard
A9SUO09		9/16	BS-011-N9
A9SUO11		11/16	BS-012-N9
A9SUO13		13/16	BS-014-N9
A9SUO16		1	BS-016-N9
A9SUO19		1 3/16	BS-018-N9
A9SUO23		1 7/16	BS-021-N9
A9SUO27		1 11/16	BS-025-N9
A9SUO32		2	BS-029-N9

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BSP TAPER - INTERNAL	BSPTF	197
NPT - EXTERNAL	NPT	198
NPT - INTERNAL	NPTF	198
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WORKING PRESSURE RATINGS FOR HYDRAULIC FITTINGS - PIPES AND TUBING

The pressure ratings listed are intended to provide design guidance in the selection of equipment for general hydraulic system applications.

Many factors influence the pressure at which a hydraulic system will or will not perform satisfactorily, therefore these values are not to be used as a “standard” or “specification”.

Application considerations in determining pressure ratings should include:-

Safety, shock loads, function pressure pulses, vibration, corrosion, mechanical strains, unsupported fixtures and service abuse.

Where applicable the appropriate standard is quoted and elsewhere the Lamé formula has been used.

- a. Fibre stress of 28% of the nominal U.T.S.
- b. An arbitrary service factor of 0.5 for fittings and 0.65 for pipe and tube of the calculated burst pressure.
- c. After the service factor has been applied the result is then divided by four to give a 4:1 safety factor ***NOTE*** the 0.5 service factor must be reviewed and adjusted if necessary depending on the specific application of the hydraulic circuit.

The pressure rating of an Adaptor / Assembly is deemed to be the lowest value quoted.

Materials - Steel

Steel grades listed for welding are as at time of printing.

Trend is towards using AS1442:1020 or equivalent.

Confirmation of Grade and / or Material Certification available upon request.

Materials - Stainless

In general all products can be manufactured against order in other materials. e.g. 316 stainless steel.

To differentiate material type

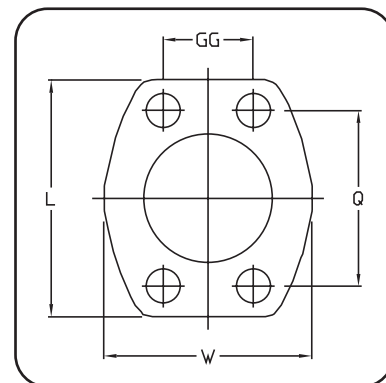
- a. For stainless steel grade 316 change the first letter of the part number from A to S
A5BJ1217 becomes S5BJ1217
- b. For other grades, add the grade to the end of the part number.
A5BJ1217 becomes S5BJ1217-304L

REFERENCE TABLES



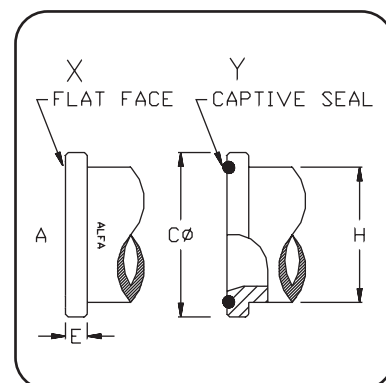
FLANGE - SAE CODE 61 - SAE J518

Desc	SAE Size	L	W	Q	GG	Bolt - Ø Imp	Bolt - Ø Metric	SAE J518 Max Bar
A1F-08	1/2	54	46	38.1	17.5	5/16	8	345
A1F-12	3/4	65	52	47.6	22.2	3/8	10	345
A1F-16	1	70	59	52.4	26.2	3/8	10	345
A1F-20	1 1/4	79	73	58.7	30.2	7/16	10	276
A1F-24	1 1/2	94	83	69.9	35.7	1/2	12	207
A1F-32	2	102	97	77.8	42.9	1/2	12	207
A1F-40	2 1/2	114	109	88.9	50.8	1/2	12	172
A1F-48	3	135	131	106.4	61.9	5/8	16	138
A1F-56	3 1/2	152	140	120.7	69.9	5/8	16	34
A1F-64	4	162	152	130.2	77.8	5/8	16	34
A1F-80	5	184	181	152.4	92.1	5/8	16	34



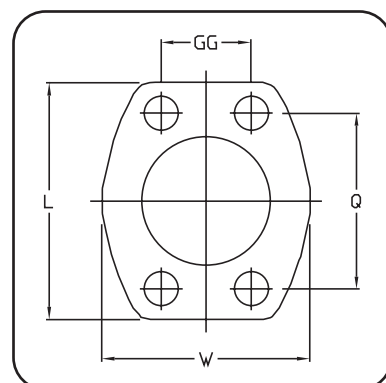
FLANGE INSERT - SAE CODE 61 - SAE J518

Desc	SAE Size	Max Bore	C Ø	E	Max Ø H	O-Ring 90 Duro	SAE J518 Max Bar
A1Y-08	1/2	12.7	30.2	6.7	24	A9SS08	345
A1Y-12	3/4	19.1	38.1	6.7	31.5	A9SS12	345
A1Y-16	1	25.4	44.5	8.0	38	A9SS16	345
A1Y-20	1 1/4	31.8	50.8	8.0	43	A9SS20	276
A1Y-24	1 1/2	38.1	60.3	8.0	50	A9SS24	207
A1Y-32	2	50.8	71.4	9.5	62	A9SS32	207
A1Y-40	2 1/2	63.5	84.1	9.5	74	A9SS40	172
A1Y-48	3	76.2	101.6	9.5	90	A9SS48	138
A1Y-56	3 1/2	88.9	114.3	11.2	102	A9SS56	34
A1Y-64	4	101.6	127.0	11.2	114	A9SS64	34
A1Y-80	5	127.0	152.4	11.2	140	A9SS80	34



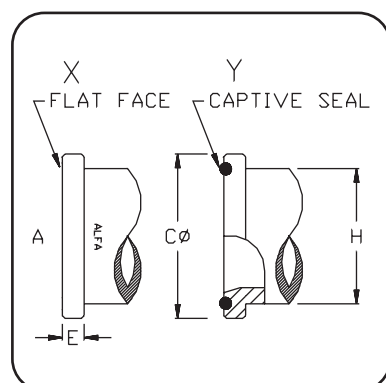
FLANGE - SAE CODE 62 - SAE J518

Desc	SAE Size	L	W	Q	GG	Bolt - Ø Imp	Bolt - Ø Metric	SAE J518 Max Bar
A2F-08	1/2	56	48	40.5	18.2	5/16	8	400
A2F-12	3/4	71	60	50.8	23.8	3/8	10	400
A2F-16	1	81	70	57.2	27.8	7/16	12	400
A2F-20	1 1/4	95	78	66.7	31.8	1/2	14	400
A2F-24	1 1/2	113	95	79.4	36.5	5/8	16	400
A2F-32	2	133	114	96.8	44.5	3/4	20	400
A2F-40	2 1/2	175	150	123.8	58.7	24mm	24	400
A2F-48	3	210	178	152.4	71.4	30mm	30	400
A2F-64	4 (Alfa)	216	DIA	PCD	180.0	20mm (8)	20 (8off)	400 (NATA)



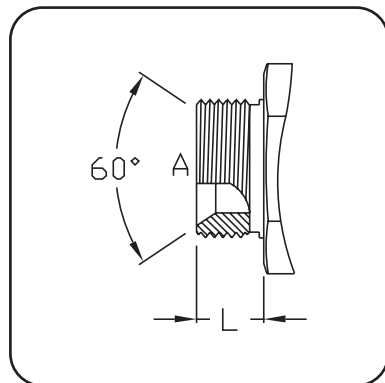
FLANGE INSERT - SAE CODE 62 - SAE J518

Desc	SAE Size	Max Bore	C Ø	E	Max Ø H	O-Ring 90 Duro	SAE J518 Max Bar
A2Y-08	1/2	12.7	31.8	7.8	24	A9SS08	400
A2Y-12	3/4	19.1	41.3	8.8	32	A9SS12	400
A2Y-16	1	25.4	47.6	9.5	38	A9SS16	400
A2Y-20	1 1/4	31.8	54.0	10.3	44	A9SS20	400
A2Y-24	1 1/2	38.1	63.5	12.6	51	A9SS24	400
A2Y-32	2	50.8	79.4	12.6	67	A9SS32	400
A2Y-40	2 1/2	63.5	107.8	20.6	88.9	A9SS40	400
A2Y-48	3	76.2	131.7	25.6	113.8	A9SS48	400
A2Y-64	4	101.6	152.4	26.0	116	A9SS64	400



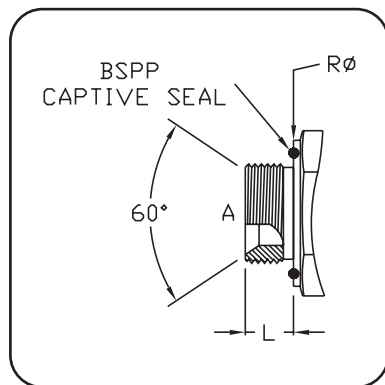
BSP PARALLEL - BONDED SEAL

Desc	Whitworth Thrd Form @ 55 °	Thrd L	Max Bore	B/Seal ID Ø	B/Seal OD Ø	B/Seal Width	B/Seal Part No	Lame @ 4:1 Max Bar
B-02	1/8-28	10	4.0	10.4	15.9	2.03	A9STB02	405
B-04	1/4-19	12	5.2	13.7	20.6	2.03	A9STB04	415
B-06	3/8-19	12	7.1	17.3	23.8	2.03	A9STB06	398
B-08	1/2-14	14	11.1	21.5	28.6	2.34	A9STB08	300
B-12	3/4-14	16	16.0	27.1	34.9	2.34	A9STB12	245
B-16	1-11	18	21.0	33.9	42.8	3.25	A9STB16	221
B-20	1 1/4-11	20	27.0	42.9	52.4	3.25	A9STB20	221
B-24	1 1/2-11	22	36.0	48.4	58.6	3.25	A9STB24	136
B-32	2-11	24	46.0	60.6	73.1	3.25	A9STB32	129



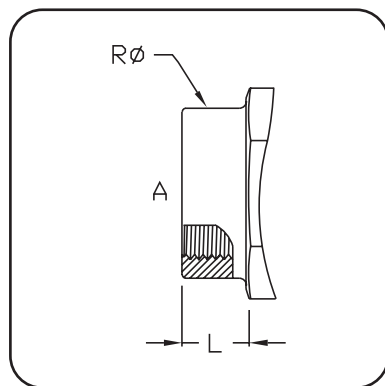
BSP PARALLEL - ENCAPSULATED O-RING

Desc	Whitworth Thrd Form @ 55 °	Thrd L	Max Bore	Nom. Thrd OD Ø	O-Ring Boss R Ø	O-Ring Part No	Lame @ 4:1 Max Bar
BE-02	1/8-28	10	4.0	9.7	19	A9SRB02	405
BE-04	1/4-19	12	5.2	13.2	22	A9SRB04	415
BE-06	3/8-19	12	7.1	16.7	27	A9SRB06	398
BE-08	1/2-14	14	11.1	21.0	33	A9SRB08	300
BE-12	3/4-14	16	16.0	26.4	38	A9SRB12	245
BE-16	1-11	18	21.0	33.2	46	A9SRB16	221
BE-20	1 1/4-11	20	27.0	41.9	55	A9SRB20	221
BE-24	1 1/2-11	22	36.0	47.8	61	A9SRB24	136
BE-32	2-11	24	46.0	59.6	75	A9SRB32	129
BE-40	2 1/2-11	26	58.0	75.2	91	A9SRB40	181
BE-48	3-11	28	70.0	87.9	104	A9SRB48	160
BE-64	4-11	32	90.0	113.0	131	A9SRB64	167



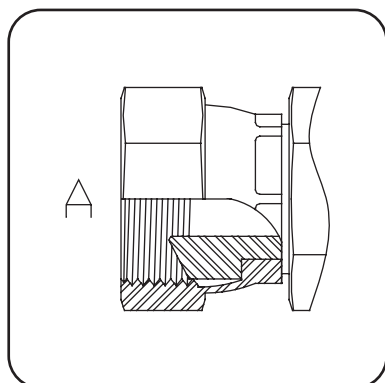
BSP PARALLEL - INTERNAL

Desc	Whitworth Thrd Form @ 55 °	Thrd L	Max Bore	R Ø	Lame @ 4:1 Max Bar
BF-02	1/8-28	12	6.8	19	368
BF-04	1/4-19	14	9.8	22	298
BF-06	3/8-19	14	13.2	27	282
BF-08	1/2-14	16	17.0	33	268
BF-12	3/4-14	18	22.5	38	219
BF-16	1-11	20	28.7	46	198
BF-20	1 1/4-11	22	37.5	55	167
BF-24	1 1/2-11	24	43.0	61	151
BF-32	2-11	26	55.0	75	142
BF-40	2 1/2-11	28	70.4	91	158
BF-48	3-11	30	83.4	104	140
BF-64	4-11	34	108.5	131	123



BSP PARALLEL - SWIVEL NUT & CONE @ 60°

Desc	Whitworth Thrd Form @ 55 °	L	Max Bore	Nut L	Nut Hex A/F	SAE J514 Max Bar
BS-04	1/4-19	17.5	4.7	26	19	345
BS-06	3/8-19	18.5	6.4	27	22	276
BS-08	1/2-14	21.5	10.0	30	27	241
BS-12	3/4-14	25.5	14.4	37	33	155
BS-16	1-11	29.5	18.9	42	41	138
BS-20	1 1/4-11	36.5	24.3	51	51	112
BS-24	1 1/2-11	37.5	31.8	54	57	86
BS-32	2-11	44.5	41.4	63	72	78

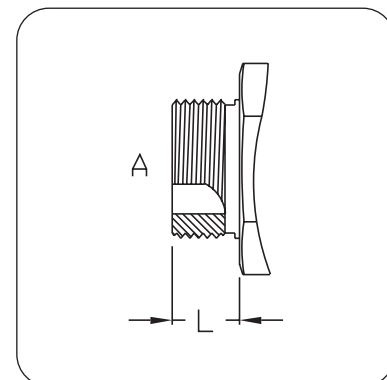


REFERENCE TABLES



METRIC PARALLEL - BONDED SEAL

Desc	Metric A	Thrd L	Max Bore	Seal ID Ø	Seal OD Ø	Seal Width	Seal Part No	Lame @ 4:1 Max Bar
M10	M10-1.0	8	3.2	10.7	16	1.5	A9STM10	489
M10-1.25	M10-1.25#	10	4	10.7	16	1.5	A9STM10	456
M12-1.0	M12-1.0#	10	5	12.7	18	1.5	A9STM12	483
M12-1.25	M12-1.25#	10	5	12.7	18	1.5	A9STM12	477
M12	M12-1.5	10	5	12.7	18	1.5	A9STM12	470
M14	M14-1.5	12	7	14.7	22	1.5	A9STM14	513
M16	M16-1.5	12	9	16.7	24	1.5	A9STM16	496
M18	M18-1.5	12	11	18.7	26	1.5	A9STM18	438
M20	M20-1.5	12	12	20.7	28	1.5	A9STM20	432
M22	M22-1.5	14	13	22.7	30	3.0	A9STM22	388
M24	M24-1.5	14	14	24.7	32	2.0	A9STM24	351
M26	M26-1.5	12	15	26.7	35	2.0	A9STM26	286
M27	M27-2.0	16	16	27.2	36	2.0	A9STM27	264
M28	M28-1.5	16	16	28.7	37	2.0	A9STM28	293
M30-1.5	M30-1.5#	16	19	31.0	39	2.0	A9STM30	328
M30	M30-2.0	16	19	31.0	39	2.0	A9STM30	320
M33	M33-2.0	18	22	33.7	42	2.0	A9STM33	234
M36	M36-2.0	18	20	36.7	46	2.0	A9STM36	306
M42	M42-2.0	20	28	42.7	53	3.0	A9STM42	276
M48	M48-2.0	22	33	48.7	59	3.0	A9STM48	202

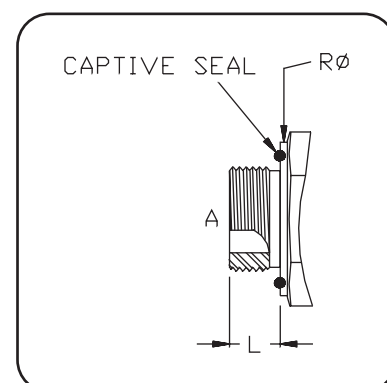


= Non Standard Pitch

e.g. M12-1.0#

METRIC - ENCAPSULATED O-RING

Desc	Metric A	Thrd L	Max Bore	O-Ring Boss R Ø	O-Ring Part No	Lame @ 4:1 Max Bar
ME10	M10-1.0	8	3.2	19	A9SRM10	489
ME10-1.25	M10-1.25#	10	4	19	A9SRM10	456
ME12-1.0	M12-1.0#	10	5	21	A9SRM12	483
ME12-1.25	M12-1.25#	10	5	21	A9SRM12	477
ME12	M12-1.5	10	5	21	A9SRM12	470
ME14	M14-1.5	12	7	23	A9SRM14	513
ME16	M16-1.5	12	9	26	A9SRM16	496
ME18	M18-1.5	12	11	28	A9SRM18	438
ME20	M20-1.5	12	12	30	A9SRM20	432
ME22	M22-1.5	14	13	34	A9SRM22	388
ME24	M24-1.5	14	14	36	A9SRM24	351
ME26	M26-1.5	12	15	38	A9SRM26	286
ME27	M27-2.0	16	16	39	A9SRM27	264
ME28	M28-1.5	16	16	40	A9SRM28	293
ME30-1.5	M30-1.5#	16	19	42	A9SRM30	328
ME30	M30-2.0	16	19	42	A9SRM30	320
ME33	M33-2.0	18	22	46	A9SRM33	234
ME36	M36-2.0	18	20	49	A9SRM36	306
ME42	M42-2.0	20	28	55	A9SRM42	276
ME48	M48-2.0	22	33	61	A9SRM48	202

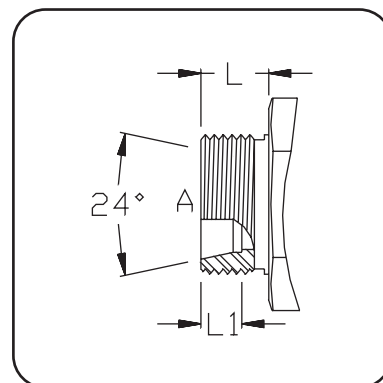


= Non Standard Pitch

e.g. M12-1.0#

METRIC - MALE WITH CONE @ 24° DIN 3902

Desc	Metric A	Thrd L	L1	Max Bore	Tube OD Ø	Lame @ 4:1 Max Bar	TUBE Series LL - L - S
MC08-04	M8-1.0	8	4.2	3.0	4	434	LL
MC10-06	M10-1.0	8	5.7	4.5	6.0	378	LL
MC12-06	M12-1.5	10	7.2	4.0	6.0	470	L
MC12-08	M12-1.5	10	7.2	4.0	8.0	470	LL
MC14-06	M14-1.5	12	7.2	4.0	6.0	513	S
MC14-08	M14-1.5	10	7.2	6.0	8.0	394	L
MC16-08	M16-1.5	12	7.2	5.0	8.0	496	S
MC16-10	M16-1.5	11	7.2	8.0	10.0	336	L
MC18-10	M18-1.5	12	7.7	7.0	10.0	438	S
MC18-12	M18-1.5	11	7.2	10.0	12.0	292	L
MC20-12	M20-1.5	12	7.7	8.0	12.0	432	S
MC22-14	M22-1.5	14	8.2	10.0	14.0	388	S
MC22-15	M22-1.5	12	7.2	12.0	15.0	308	L
MC24-16	M24-1.5	14	8.7	12.0	16.0	351	S
MC26-18	M26-1.5	12	7.7	15.0	18.0	286	L
MC30-20	M30-2	16	10.7	16.0	20.0	320	S
MC30-22	M30-2	14	7.7	19.0	22.0	233	L
MC30-22-1.5	M30-1.5#	14	7.7	19.0	22.0	242	L
MC36-25	M36-2	18	12.2	20.0	25.0	306	S
MC36-28	M36-2	14	7.7	24.0	28.0	211	L
MC42-30	M42-2	20	13.7	25.0	30.0	276	S
MC45-35	M45-2	16	10.7	30.0	35.0	217	L
MC45-35-1.5	M45-1.5	16	10.7	30.0	35.0	224	L
MC52-38	M52-2	22	16.2	32.0	38.0	264	S
MC52-42	M52-2	16	11.2	36.0	42.0	200	L



= Non Standard Pitch

e.g. M30-1.5#

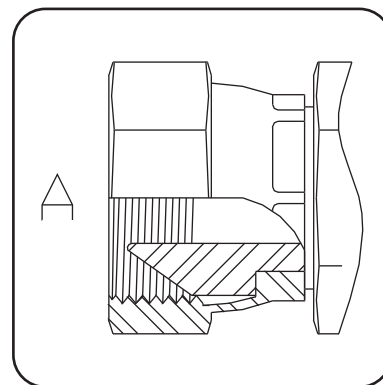
LL = Extra Light

L = Light

S = Heavy

METRIC - SWIVEL NUT & CONE @ 24°

Desc	Metric A	L	Max Bore	Nut L	Nut Hex A/F	Lame @ 4:1 Max Bar
MS12	M12-1.5	11.5	4	20	16	386
MS14	M14-1.5	12.5	4	25	19	449
MS16	M16-1.5	14.5	5	29	22	426
MS18	M18-1.5	15.5	7	32	25	346
MS20	M20-1.5	16.5	8	29	27	338
MS22	M22-1.5	18.5	10	31	32	281
MS24	M24-1.5	19.5	12	28	32	235
MS26	M26-1.5	21.5	15	30	35	158
MS30-1.5#	M30-1.5	23.5	16	36	41	209
MS30	M30-2.0	23.5	16	36	38	198
MS36	M36-2.0	21.5	20	36	47	217
MS42	M42-2.0	25.5	25	42	51	184
MS45	M45-2.0	26.5	30	39	57	119
MS52	M52-2.0	29.5	32	48	63	171

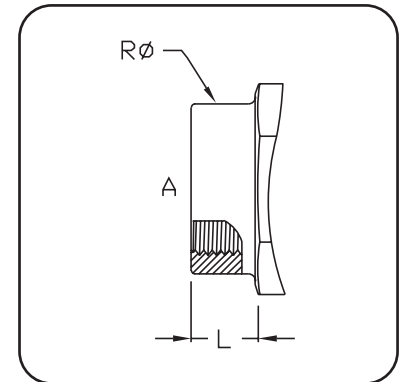


REFERENCE TABLES



METRIC - INTERNAL

Desc	Metric A	Thrd L	Max Bore	R Ø	Lame @ 4:1 Max Bar
MF10	M10-1.0	12	7.5	19	357
MF10-1.25	M10-1.25#	12	7.2	19	357
MF12-1.0	M12-1.0#	12	9.5	21	320
MF12-1.25	M12-1.25#	12	9.2	21	320
MF12	M12-1.5	12	9.0	21	320
MF14	M14-1.5	14	11.0	23	289
MF16	M16-1.5	14	13.0	26	284
MF18	M18-1.5	14	15.0	28	262
MF20	M20-1.5	14	17.0	30	242
MF22	M22-1.5	16	19.0	34	258
MF24	M24-1.5	16	21.0	36	242
MF26	M26-1.5	14	23.0	38	228
MF27	M27-2.0	18	23.5	39	222
MF28	M28-1.5	18	25.0	40	216
MF30	M30-2.0	18	26.5	42	204
MF30-1.5	M30-1.5#	18	27.0	42	204
MF33	M33-2.0	20	29.5	46	202
MF36	M36-2.0	20	32.5	49	188
MF42	M42-2.0	22	38.5	55	166
MF45	M45-2.0	18	41.5	58	157
MF48	M48-2.0	24	44.5	61	148
MF50	M50-1.5	24	47.0	63	143
MF52	M52-2.0	24	48.5	65	138

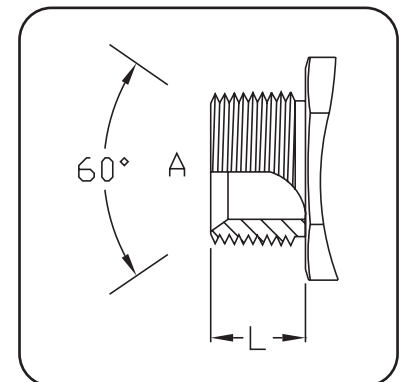


= Non Standard Pitch

e.g. M12-1.0#

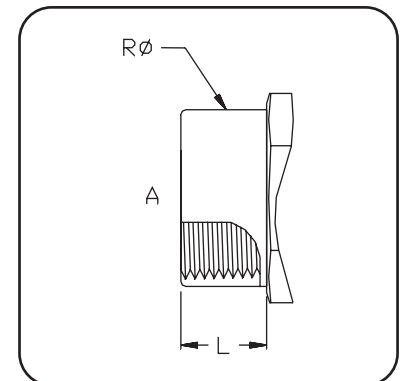
BSP TAPER - EXTERNAL

Desc	Whitworth Thrd Form @ 55 °	Thrd L	Max Bore	Lame @ 4:1 Max Bar
G02	1/8-28	10	4.0	440
G04	1/4-19	16	5.2	455
G06	3/8-19	16	7.1	430
G08	1/2-14	21	11.1	335
G12	3/4-14	21	16.0	280
G16	1-11	26	21.0	265
G20	1 1/4-11	27	27.0	250
G24	1 1/2-11	27	36.0	160
G32	2-11	29	46.0	150
G40	2 1/2-11	32	58.0	145
G48	3-11	34	70.0	175
G64	4-11	38	90.0	175
G96	6-11	52	140.0	120



BSP TAPER - INTERNAL

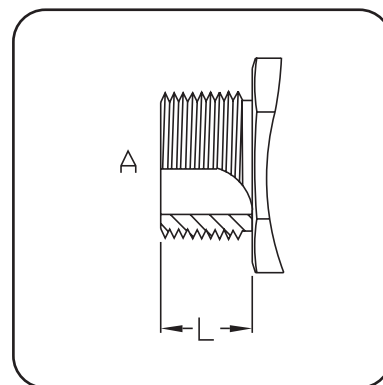
Desc	Whitworth Thrd Form @ 55 °	Thrd L	Max Bore	R Ø	Lame @ 4:1 Max Bar
GF02	1/8-28	12	6.3	16	334
GF04	1/4-19	18	8.8	20	308
GF06	3/8-19	18	12.6	25	281
GF08	1/2-14	23	15.8	29	251
GF12	3/4-14	23	20.8	35	227
GF16	1-11	28	26.5	42	204
GF20	1 1/4-11	29	35.4	53	188
GF24	1 1/2-11	29	41.3	61	188
GF32	2-11	31	52.8	74	166
GF40	2 1/2-11	34	68.6	89	170
GF48	3-11	36	81.0	102	151
GF64	4-11	40	105.9	133	156
GF96	6-11	54	155.9	185	87



R

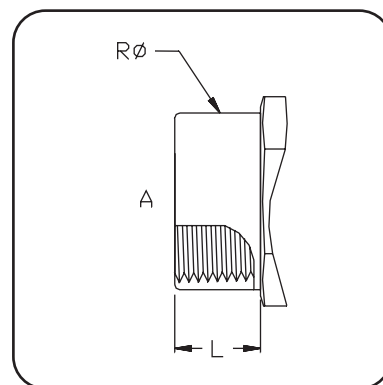
NPT - EXTERNAL

Desc	NPT A	Thrd L	Max Bore	Lame @ 4:1 Max Bar
N02	1/8-27	10	4.0	441
N04	1/4-18	16	5.2	455
N06	3/8-18	16	7.1	431
N08	1/2-14	21	11.1	341
N12	3/4-14	21	16.0	277
N16	1-11.5	26	21.0	252
N20	1 1/4-11.5	27	27.0	246
N24	1 1/2-11.5	27	36.0	163
N32	2-11.5	29	46.0	149
N40	2 1/2-8	32	58.0	129
N48	3-8	34	70.0	181
N64	4-8	38	90.0	176
N96	6-8	52	140.0	138



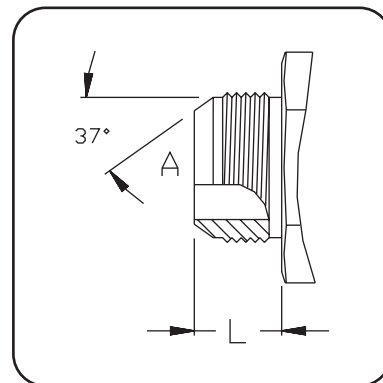
NPT - INTERNAL

Desc	NPT A	Thrd L	Max Bore	R Ø	Lame @ 4:1 Max Bar
NF02	1/8-27	12	6.3	16	334
NF04	1/4-18	18	9.1	20	297
NF06	3/8-18	18	12.3	25	290
NF08	1/2-14	23	15.2	29	268
NF12	3/4-14	23	20.8	35	227
NF16	1-11.5	28	27.1	42	194
NF20	1 1/4-11.5	29	35.6	53	185
NF24	1 1/2-11.5	29	42.3	61	176
NF32	2-11.5	31	53.6	74	158
NF40	2 1/2-8	34	64.1	79	94
NF48	3-8	36	80.0	100	146
NF64	4-8	40	104.2	129	145
NF96	6-8	54	158.2	189	91



JIC - EXTERNAL @ 37°

Desc	JIC A	Thrd L	Max Bore	Lame @ 4:1 Max Bar	Tube Size Imp-16
J06	3/8-24	11.4	3.2	458	-03
J07	7/16-20	14.0	4.4	400	-04
J08	1/2-20	14.0	6.0	337	-05
J09	9/16-18	14.1	7.5	288	-06
J12	3/4-16	16.7	9.9	306	-08
J14	7/8-14	19.3	12.3	275	-10
J17	1 1/16-12	21.9	15.5	259	-12
J19	1 3/16-12	22.6	18.0	246	-14
J21	1 5/16-12	23.1	21.5	209	-16
J26	1 5/8-12	24.3	27.5	201	-20
J30	1 7/8-12	27.5	33.0	185	-24
J40	2 1/2-12	33.9	45.0	181	-32
J48	3 IN-12	34.0	58.0	144	
J56	3 1/2-12	34.0	70.0	170	

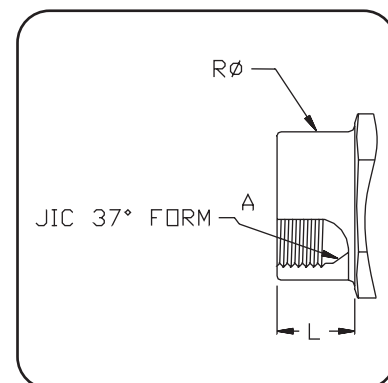


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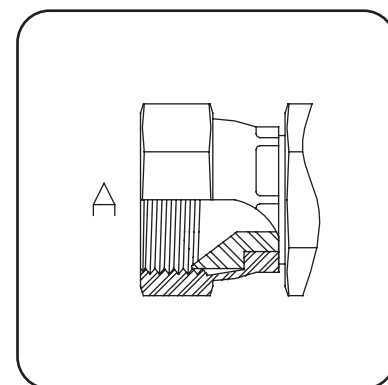
JIC - INTERNAL @ 37°

Desc	JIC A	Thrd L	Max Bore	R Ø	Lame @ 4:1 Max Bar
JF06	3/8-24	10.4	3.2	11.1	96
JF07	7/16-20	13.0	4.4	14.3	155
JF08	1/2-20	13.0	6.0	15.9	138
JF09	9/16-18	13.1	7.5	17.5	125
JF12	3/4-16	15.7	9.9	22.2	96
JF14	7/8-14	18.3	12.3	25.4	84
JF17	1 1/16-12	20.9	15.5	31.8	101
JF19	1 3/16-12	21.6	18.0	34.9	92
JF21	1 5/16-12	22.1	21.5	38.1	84
JF26	1 5/8-12	23.3	27.5	50.8	129
JF30	1 7/8-12	26.5	33.0	57.2	114
JF40	2 1/2-12	32.9	45.0	73.0	88
JF48	3 IN-12	33.0	58.0	86.2	77
JF56	3 1/2-12	33.0	70.0	98.9	89



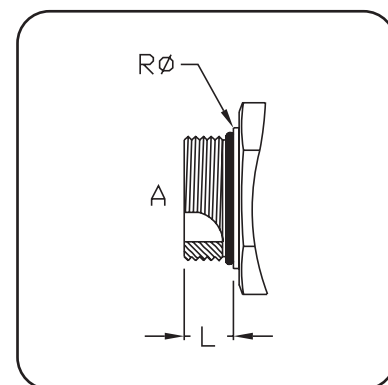
JIC - SWIVEL NUT & CONE @ 37°

Desc	JIC A	L	Max Bore	Nut L	Nut Hex A/F	Lame @ 4:1 Max Bar
JS07	7/16-20	11.5	3.7	20.2	16	379
JS09	9/16-18	12.5	6.4	22.4	19	253
JS12	3/4-16	13.5	8.4	24.6	25	305
JS14	7/8-14	15.5	10.5	28.9	27	272
JS17	1 1/16-12	17.5	13.2	33.7	33	257
JS21	1 5/16-12	20.5	18.3	37.7	41	207
JS26	1 5/8-12	24.5	23.4	41.6	51	200
JS30	1 7/8-12	27.5	28.1	47.3	57	183
JS40	2 1/2-12	34.5	38.3	58.1	76.4	180



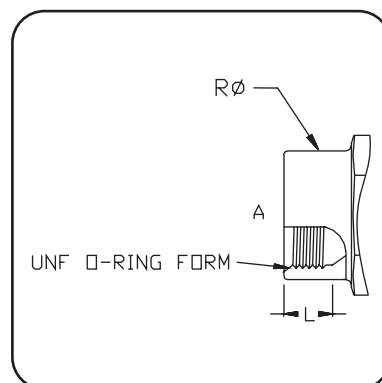
UNO - EXTERNAL

Desc	UNO A	Thrd L	Max Bore	R Ø	O-Ring 90 Duro	Lame @ 4:1 Max Bar	
U05	5/16-24	7.6	2.4	12	A9SUN05	505	
U06	3/8-24	7.6	3.2	13	A9SUN06	480	
U07	7/16-20	9.1	4.4	15	A9SUN07	435	
U08	1/2-20	9.1	6.0	16	A9SUN08	370	
U09	9/16-18	9.9	7.5	18	A9SUN09	325	
U12	3/4-16	11.1	9.9	23	A9SUN12	335	
U14	7/8-14	12.7	12.3	26	A9SUN14	305	
U16	1 IN-12	12.0	19.0	32	A9SUN16	140	Filter Housing Thrd
U17	1 1/16-12	15.1	15.5	32	A9SUN17	290	
U19	1 3/16-12	15.1	18.0	35	A9SUN19	275	
U21	1 5/16-12	15.1	21.5	39	A9SUN21	235	
U24	1 1/2-16	12.0	29.0	44	A9SUN24	150	Filter Housing Thrd
U26	1 5/8-12	15.1	27.5	48	A9SUN26	220	
U30	1 7/8-12	15.1	33.0	54	A9SUN30	205	
U40	2 1/2-12	15.1	45.0	70	A9SUN40	195	
U44	2 3/4-12	20.0	48.0	74	A9SUN44	215	
U48	3 IN-12	15.1	58.0	84	A9SUN48	155	
U56	3 1/2-12	15.1	70.0	96	A9SUN56	185	



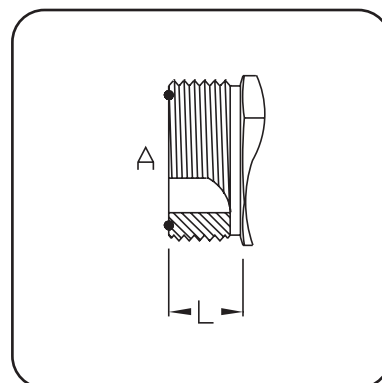
UNO - INTERNAL

Desc	UNO A	Thrd L	Max Bore	R Ø	Lame @ 4:1 Max Bar
UF06	3/8-24	12	6.0	16	338
UF07	7/16-20	14	7.3	18	323
UF08	1/2-20	14	8.9	18	251
UF09	9/16-18	14	10.3	22	293
UF12	3/4-16	16	14.8	30	298
UF14	7/8-14	17	17.6	34	284
UF17	1 1/16-12	20	22.0	40	266
UF19	1 3/16-12	20	25.1	44	255
UF21	1 5/16-12	20	28.3	45	210
UF26	1 5/8-12	20	36.2	54	187
UF30	1 7/8-12	20	42.6	62	181
UF40	2 1/2-12	20	58.5	81	164
UF48	3 IN-12	20	71.2	91	164
UF56	3 1/2-12	20	83.9	104	145



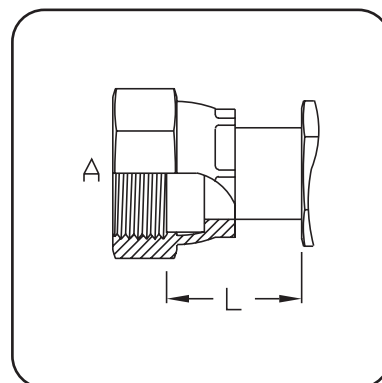
O-RING FACE SEAL - UNF EXTERNAL - SAE J1453

Desc	ORFS A	Thrd L	Max Bore	Nominal Tube Ø	O-Ring Part No	SAE J1453 Max Bar
O09	9/16-18	9.8	4.2	1/4	A9SUFS09	412
O11	11/16-16	11.2	6.7	3/8	A9SUFS11	412
O13	13/16-16	12.8	9.1	1/2	A9SUFS13	412
O16	1-14	15.5	11.5	5/8	A9SUFS16	412
O19	1 3/16-12	17.0	13.9	3/4	A9SUFS19	412
O23	1 7/16-12	17.5	19.9	1	A9SUFS23	412
O27	1 11/16-12	17.5	26.0	1 1/4	A9SUFS27	275
O32	2-12	17.5	32.0	1 1/2	A9SUFS32	275



O-RING FACE SEAL - SWIVEL NUT - SAE J1453

Desc	ORFS A	L	Max Bore	Nut L	Nut Hex A/F	Nominal Tube Ø	SAE J1453 Max Bar
OS09	9/16-F/F	17	4.2	17	19	1/4	412
OS11	11/16-F/F	20	6.7	20	22	3/8	412
OS13	13/16-F/F	23	9.1	23	27	1/2	412
OS16	1-F/F	27	11.5	27	32	5/8	412
OS19	1 3/16-F/F	29	13.9	29	38	3/4	412
OS23	1 7/16-F/F	31	19.9	31	47	1	345
OS27	1 11/16-F/F	32	26.0	32	59	1 1/4	275
OS32	2-F/F	32	32.0	32	63	1 1/2	207

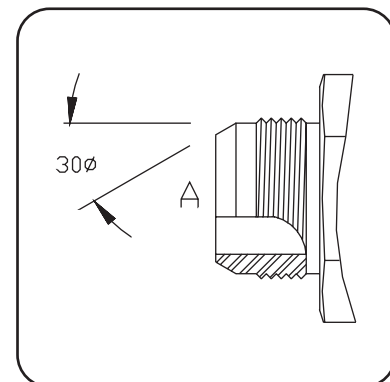


REFERENCE TABLES



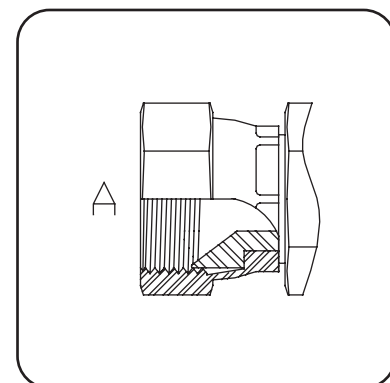
JIS - METRIC - EXTERNAL @ 60° (KOMATSU FORM)

Desc	JIS 60 ° A	Thrd L	Max Bore	Lame @ 4:1 Max Bar
K12	M12-1.5	14.0	4.0	470
K14	M14-1.5	14.3	5.0	456
K16	M16-1.5	16.0	6.4	425
K18	M18-1.5	16.5	7.8	400
K20	M20-1.5	19.0	9.0	389
K22	M22-1.5	19.1	10.0	388
K24	M24-1.5	21.6	12.0	351
K30	M30-1.5	27.0	16.0	328
K33	M33-1.5	29.4	21.0	242
K36	M36-1.5	27.8	24.0	219
K42	M42-1.5	35.9	25.0	282



JIS - METRIC SWIVEL NUT & CONE @ 60° (KOMATSU FORM)

Desc	JIS 60 ° A	L	Max Bore	Nut L	Nut Hex A/F	Lame @ 4:1 Max Bar
KS12	M12-1.5	11.5	4.0	19.3	16	386
KS14	M14-1.5	12.5	5.0	20.8	19	368
KS16	M16-1.5	11.5	6.4	20.4	22	354
KS18	M18-1.5	12.5	7.8	21.9	25	324
KS20	M20-1.5	13.5	9.0	23.7	27	312
KS22	M22-1.5	15.5	10.0	26.0	32	311
KS24	M24-1.5	16.5	12.0	29.5	32	267
KS30	M30-1.5	19.5	16.0	36.1	38	242
KS33	M33-1.5	20.5	21.0	41.3	41	145
KS36	M36-1.5	21.5	24.0	40.7	47	119
KS42	M42-1.5	25.5	25.0	48.4	57	191



REFERENCE TABLES

PIPE SPECIFICATIONS - ANSI B16.11 / AS3799

Desc	Desc Imperial	Desc -16 Size	Desc Metric	Pipe OD Ø	Pipe Sleeve		Pipe ID Ø D = Sched 40	Pipe ID Ø H = Sched 80	Pipe ID Ø P = Sched 160	Pipe ID Ø X = Double X Strong
					3000 lb Series C = Sched 80 Match Sleeve OD Ø	6000 lb Series F = Sched 160 Match Sleeve OD Ø				
P02	1/8	02	6	10.3	17.3		6.8	5.5		
P04	1/4	04	8	13.7	21.5		9.2	7.7		
P06	3/8	06	10	17.1	25.3		12.5	10.8		
P08	1/2	08	15	21.3	30.7	33.1	15.8	13.8	11.7	6.4
P12	3/4	12	20	26.7	36.5	40.3	21	18.9	15.6	11.1
P16	1	16	25	33.4	44.8	48.9	26.6	24.3	20.7	15.2
P20	1 1/4	20	32	42.2	54.2	57.7	35.1	32.5	29.5	22.8
P24	1 1/2	24	40	48.3	60.8	65.6	40.9	38.1	34.0	28.0
P32	2	32	50	60.3	74.4	81.8	52.5	49.2	42.8	38.2
P40	2 1/2	40	65	73.0	90.6		62.7	59.0	53.9	45.0
P48	3	48	80	88.9	108		77.9	73.7	66.6	58.4
P56	3 1/2	56	90	101.6			90.1	85.4		
P64	4	64	100	114.3	135.9		102.3	97.2	87.3	80.1
P80	5	80	125	141.3	166.6		128.2	122.2	109.5	
P96	6	96	150	168.3	196.8		154.1	146.4	131.8	

PIPE SPECIFICATIONS - WORKING PRESSURE

Desc	Desc Imperial	Desc -16 Size	Desc Metric	Pipe OD Ø	Lame @ 4:1 Max Bar D = Sched 40	Lame @ 4:1 Max Bar H = Sched 80	Lame @ 4:1 Max Bar P = Sched 160	Lame @ 4:1 Max Bar X = Double X Strong
P02	1/8	02	6	10.3	322	456		
P04	1/4	04	8	13.7	310	426		
P06	3/8	06	10	17.1	249	352		
P08	1/2	08	15	21.3	238	335	439	683
P12	3/4	12	20	26.7	193	272	402	578
P16	1	16	25	33.4	183	252	364	538
P20	1 1/4	20	32	42.2	149	209	281	449
P24	1 1/2	24	40	48.3	135	191	276	407
P32	2	32	50	60.3	113	164	270	350
P40	2 1/2	40	65	73.0	124	172	241	368
P48	3	48	80	88.9	108	152	230	325
P56	3 1/2	56	90	101.6	131	188		
P64	4	64	100	114.3	121	175	287	373
P80	5	80	125	141.3	106	157	273	
P96	6	96	150	168.3	96	151	262	

REFERENCE TABLES



IMPERIAL TUBE SPECIFICATIONS

Desc	Desc Imperial	Desc -16 Size	Tube OD-Metric	Tube ID-Metric	Wire Gauge SWG	Sleeve OD Ø	Lame @ 4:1 Max Bar
T04	1/4	04	6.4	3.1	16	12.6	487
T05	5/16	05	7.9	4.7	16	13.1	378
T06	3/8	06	9.5	6.3	16	14.1	306
T08	1/2	08	12.7	8.6	14	18.5	293
T10	5/8	10	15.9	10.6	12	23.5	305
T12	3/4	12	19.1	12.6	10	28.5	313
T14	7/8	14	22.2	15.7	10	31.2	267
T16	1	16	25.4	18.9	10	33.9	229
T20	1 1/4	20	31.8	23.6	8	42.4	231
T24	1 1/2	24	38.1	30.0	8	48.1	188
T32	2	32	50.8	41.9	7	61.2	151
T40	2 1/2	40	63.5	54.6	7	73.5	119
T48	3	48	76.2	65.4	5	88.4	121
T56	3 1/2	56	88.9	77.9	P48D	101	104
T64	4	64	101.6	90.1	P56D	114.1	126
T80	5	80	127.0	114.3		140.7	111
T96	6	96	142.4	126.5		159.8	126

METRIC TUBE SPECIFICATIONS

Desc	Tube OD-Metric	Tube ID-Metric	Sleeve OD Ø	Lame @ 4:1 Max Bar
TM06	6	3	11.6	473
TM08	8	5	12.5	342
TM10	10	6	16.3	372
TM12	12	7	20.2	393
TM14	14	9	21.5	330
TM16	16	10	25.3	351
TM18	18	12	26.7	307
TM20	20	14	28.3	273
TM22	22	16	30.0	246
TM25	25	19	32.6	213
TM28	28	20	38.9	260
TM30	30	22	40.6	241
TM35	35	27	45.1	203
TM38	38	28	51.3	239
TM42	42	32	54.9	214
TM50	50	40	62.3	177

MISCELLANEOUS CONVERSIONS FACTORS

Multiply	By	To Obtain	Example
Linear			
inch (ins)	25.4	Millimetre (mm)	1 5/16 ins to 1.3125ins by 25.4 = 33.334mm
foot (ft)	0.305	Metre (M)	3 ft 6 ins to 3.5 ft by 0.305 = 1.07 metres
Area			
Square Inch	645.16	Square Millimetre	10 sq ins by 645.16 = 6,451.6 sq mm
Square Foot	0.093	Square Metre	10 sq ft by 0.093 = 0.93 sq m
Volume			
Gallons U.K.	277.42	Cubic Inches	10 U.K. gals by 277.42 = 2,774.2 cu in
Gallons U.S.	231	Cubic Inches	10 U.S. gals by 231 = 2,310 cu in
Cubic Inches	16.387	Cubic Centimetres	54.5 cu ins by 16.387 = 893.095 cc
Cubic Inches	0.016	Litre	1,000 cu ins by 0.016 = 16,387 Litres
Gallons U.K.	4.546	Litre	10 U.K. gals by 4.546 = 45.461 Litres
Gallons U.S.	3.785	Litre	10 U.S.gals by 3.785 = 37.854 Litres
Velocity			
Inch/min	25.4	Millimetre/min	10 Inch/min by 25.4 = 254 mm/min
Foot/min	0.3048	Metre/min	10 Foot/min by 0.3048 = 3.048 Metres/min
Mile/Hour	1.609	Kilometre/hr	10 MPH by 1.609 = 16.093 km/hr
Gallons/min U.K.	4.546	Litre/min	10 GPM (U.K.) by 4.546 = 45.460 L/min
Gallons/min U.S.	3.785	Litre/min	10 GPM (U.S.) by 3.785 = 37.854 L/min
Mass & Density			
Pound (avoirdupois)	0.454	Kilogram	10 pounds by 0.454 = 4.536 kg
Ton (long 2,240 lb)	1.016	Tonne	10 ton by 1.016 = 10.016 tonnes
Ton (short 2,000 lb)	0.907	Tonne	10 ton by 0.907 = 9.072 tonnes
Ton (metric)	1.0	Tonne	10 ton by 1.0 = 10.0 tonnes
Force			
Kilogram-force	9.80665	Newton (N)	10 kilogram-force by 9.80665 = 98.0665 N
Torque			
Pound-Inch	0.113	Newton-Metre (Nm)	10 pound-in by 0.113 = 1.130 Nm
Pound-Foot	1.356	Newton-Metre (Nm)	10 pound-ft by 1.356 = 13.559 Nm
Pressure			
Pound/Inch sq (psi)	0.069	Bar	100 PSI by 0.069 = 6.895 bar
Pound/Inch sq (psi)	0.070	Kilogram/centimetre sq	100 PSI by 0.070 = 7.031 Kg/cm
Pound/Inch sq (psi)	6.895	kilopascal (KPa)	100 PSI by 6.895 = 689.476 KPa
Pound/Inch sq (psi)	0.00689	Megapascal (MPa)	100 PSI by 0.00689 = 0.689 MPa
Power			
Horsepower (hp)	0.746	kilowatt (kW)	10 hp by 0.746 = 7.457 kW
Temperature			
Degrees Fahrenheit	(°F - 32)/1.8	Degrees Celsius	(100 °F - 32) divide by 1.8 = 37.778 °C
Degrees Celsius	1.8 °C + 32	Degrees Fahrenheit	(1.8 by 100 °C) plus 32 = 212 °F