

Semiconductor / High Purity Products

TK SCT FITTINGS

Weld Fittings / Metal Seal Fittings



 **TK corporation**
SCT Division

Weld Fittings / Metal Seal Fittings

TK SCT SUPER CLEAN TECHNOLOGY

MICRO WELD FITTINGS

FORGED WELD FITTINGS

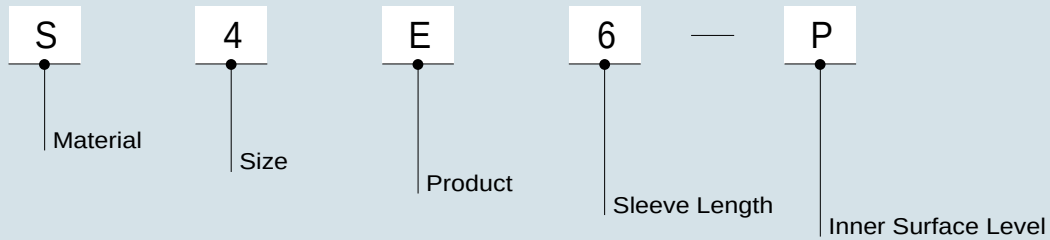
FACE SEAL FITTINGS



TBW and Metal Seal Fittings

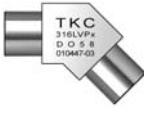
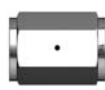
components are ordered by product code as listed in this catalogue

DESIGNATIONS PART NUMBER SYSTEM



Material	Size	Sleeve Length	Inner Surface Level
S : Single Melting	4 : 1/4"	6 : 6.35mm	BLANK : BA
D : Double Melting	6 : 3/8"	10 : 10mm	P : EP
	8 : 1/2"	19 : 19.05mm	
	12 : 3/4"		
	16 : 1"		
Product			
E	Elbow	BLG	Blind Gland
T	Tee	MG	Male Weld Gland
CT	Cross	TA	Tube Adapter
TB	Tribow	BH	Bulkhead Union
R	Reducer	UC	Union Cross
FN	Female Nut	MC	Male Connector
MN	Male Nut	FC	Female Connector
CP	Cap	ME	Male Elbow
PG	Plug	UT	Union Tee
GT	Gasket	MU	Double Male Union
GB	Blind Gasket	FU	Double Female Union
GR	Gasket Retainer Assembly	UE	Union Elbow
SG	Female Gland	MCK	Tube Fitting Connector
ASG	Automatic Female Gland	BHCK	Tube Fitting Bulkhead Connector
SWSG	Socket Weld Short Gland	BHC	Male Bulkhead Connector
LG	Male Gland	CG	Coupling
ALG	Automatic Male Gland	RA	Reducing Adapter
SWLG	Socket Weld Long Gland	RB	Reducing Bushing
HLG	H-MFS Male Gland	HBV	H-MFS TBW Body
HFN	H-MFS Female Nut	HABV	H-MFS ATW Body
HMN	H-MFS Male Nut	HBHY	H-MFS Bulkhead Connector

WELD FITTINGS & METAL SEAL FITTINGS

	Micro Reducer	7		Reducing Tee	10		Tube Adapter	13
	Micro Reducing 90° Elbow	7		Cross Tee	10		Double Male Union	14
	Micro 90° Elbow	7		Reducer	10		Double Male Reducing Union	14
	Micro Extended Leg 90° Elbow	7		Female Gland	12		Bulkhead Union	14
	Micro 45° Elbow	7		Male Gland	12		TBW Body	14
	Micro Tee	8		ATW Female Long Gland	12		TBW Bulkhead Connector	14
	Micro Reducing Tee	8		ATW Male Long Gland	12		Coupling	14
	Micro Cross	8		Socket Weld Short Gland	13		Double Female Reducing Union	15
	Micro Tribow	8		Socket Weld Long Gland	13		Reducing Adapter	15
	90° Elbow	9		Socket Weld Reducing Long Gland	13		Reducing Bushing	15
	Reducing 90° Elbow	9		Blind Gland	13		Male Elbow (PT)	15
	Tee	9		Male Weld Gland	13		Male Elbow (NPT)	15

	Union Elbow	16		Gasket	18		HMFS Bulkhead Connector	21
	Union Tee	16		Blind Gasket	18		Welded Male Connector(PT)	21
	Union Cross	16		Female Nut	19		Welded Male Connector(NPT)	21
	Tube Fitting Connector	16		Male Nut	19		Welded Female Connector(PT)	21
	Tube Fitting Bulkhead Connector	17		Plug	19		Welded Female Connector(NPT)	22
	Male Bulkhead Connector(NPT)	17		Cap	19		Welded Lok Connector	22
	Male Connector(PT)	17		Plug(Cable Type)	20		Welded Female Union	22
	Male Connector(NPT)	17		HMFS Female Nut	20			
	Male Connector(ST)	17		HMFS Male Nut	20			
	Female Connector(PT)	18		HMFS Long Gland	20			
	Female Connector(NPT)	18		HMFS TBW Body	20			
	Gasket Retainer Assembly	18		HMFS ATW Body	21			

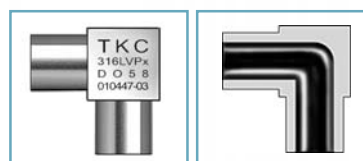
WELD FITTINGS

- Micro Weld Fittings
- Forged Weld Fittings



Features

- 316L E ·F+RH+VAR(Double Melt) Material
- Permanently Heat code marked; traceable to original mill certificate of test.
- Electropolished components permanently marked with designator on cube(P or PX)
- Critical surfaces are 100% visually inspected using magnification and lighting.



Materials

316L E ·F+RH+VAR(Double Melt) Material complies with ASTM A276 and ASME SA479. Recommended tubing specifications include ASME SA213, ASTM A213, ASTM A249, ASTM A269, MIL T8504, MIL T8506 and JIS G4303.

Specifications

- **Pressure Ratings** will be governed by the tubing selected for a particular application. Working Pressures are calculated below for tubing using maximum allowable stress levels in accordance with ASME/ANSI B31.3, at ambient temperature.

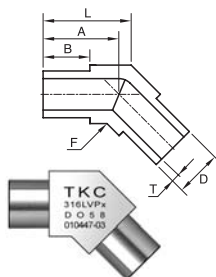
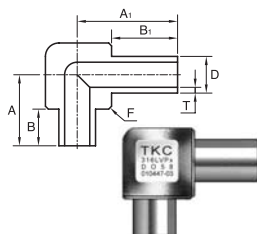
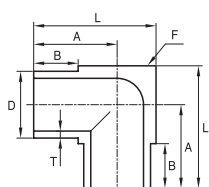
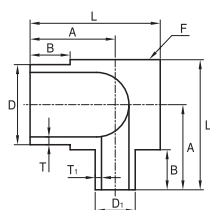
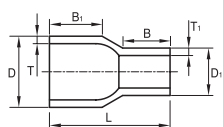
Tube O.D.	Pressure Rating		Normal Wall Thickness
	psig	kg /cm ²	
1/4in.	5100	358	1mm
3/8in.	3300	232	1mm
1/2in.	3500	246	1.24mm

- **Dimensions** are for reference only and are subject to change.
- **Internal Surface Finishes:** Standard finish Micro Fittings have an internal Surface Roughness of 3.0 μm Ry
Electropolished Micro Fittings have an internal Surface Roughness of 0.7 μm Ry.

Designator	Surface Finish(Ry)
	Maximum
EP	0.7 μm
BA	3.0 μm

MICRO WELD FITTINGS

Micro Weld Fittings



Micro Reducer

Size (OD)	Size (OD ₁)	Ordering Number	D	D ₁	T	T ₁	B	B ₁	L
1/4"	1/8"	□4 × 2R6	6.35	3.18	1.00	0.7	6.35	10.4	19.1
3/8"	1/4"	□6 × 4R6	9.53	6.35	1.00	1.00	6.35	10.4	19.1
1/2"	1/4"	□8 × 4R6	12.70	6.35	1.24	1.00	6.35	10.4	19.1
1/2"	3/8"	□8 × 6R6	12.70	9.53	1.24	1.00	6.35	10.4	19.1
3/4"	1/4"	□12 × 4R6	19.05	6.35	1.65	1.00	6.35	10.4	19.1
3/4"	3/8"	□12 × 6R6	19.05	9.53	1.65	1.00	6.35	10.4	19.1
3/4"	1/2"	□12 × 8R6	19.05	12.70	1.65	1.24	6.35	10.4	19.1

Micro Reducing 90° Elbow

Size (OD)	Size (OD ₁)	Ordering Number	D	D ₁	T	T ₁	A	B	F Body Cube	L
1/4"	1/8"	□4 × 2E6	6.35	3.18	1.00	0.7	10.32	6.35	7.94	14.29
3/8"	1/4"	□6 × 4E6	9.53	6.35	1.00	1.00	11.91	6.35	11.11	17.46
1/2"	1/4"	□8 × 4E6	12.70	6.35	1.24	1.00	13.50	6.35	14.29	20.64
1/2"	3/8"	□8 × 6E6	12.70	9.53	1.24	1.00	13.50	6.35	14.29	20.64
3/4"	1/4"	□12 × 4E6	19.05	6.35	1.65	1.00	16.68	6.35	20.65	27.00
3/4"	3/8"	□12 × 6E6	19.05	9.53	1.65	1.00	16.68	6.35	20.65	27.00
3/4"	1/2"	□12 × 8E6	19.05	12.70	1.65	1.24	16.68	6.35	20.65	27.00

Micro 90° Elbow

Size (OD)	Ordering Number	D	T	A	B	F Body Cube	L
1/8"	□2E6	3.18	0.7	10.32	6.35	7.94	14.29
1/4"	□4E6	6.35	1.00	10.32	6.35	7.94	14.29
3/8"	□6E6	9.53	1.00	11.91	6.35	11.11	17.46
1/2"	□8E6	12.70	1.24	13.50	6.35	14.29	20.64
3/4"	□12E6	19.05	1.65	16.68	6.35	20.65	27.00

Micro Extended Leg 90° Elbow

Size (OD)	Ordering Number	D	T	A	A ₁	B	B ₁	F Body Cube
1/4"	□4EX11	6.35	1.00	12.30	17.38	6.35	11.43	11.11

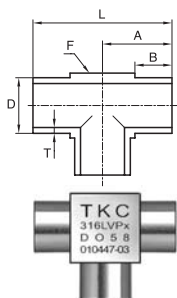
Micro 45° Elbow

Size (OD)	Ordering Number	D	T	A	B	F Body Cube	L
1/8"	□2HE6	3.18	0.7	10.32	6.35	7.94	11.96
1/4"	□4HE6	6.35	1.00	10.32	6.35	7.94	11.96
3/8"	□6HE6	9.53	1.00	11.91	6.35	11.11	14.21
1/2"	□8HE6	12.70	1.24	13.50	6.35	14.29	16.46
3/4"	□12HE6	19.05	1.65	16.68	6.35	20.65	20.95

• Dimensions are for reference only and are subject to change.

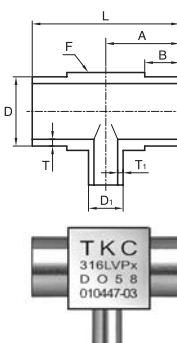
WELD FITTINGS

Dimensions / Ordering Information



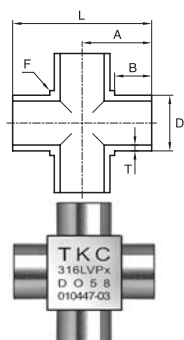
Micro Tee

Size (OD)	Ordering Number	D	T	A	B	F Body Cube	L
1/8"	□2T6	3.18	0.7	10.32	6.35	7.94	20.64
1/4"	□4T6	6.35	1.00	10.32	6.35	7.94	20.64
3/8"	□6T6	9.53	1.00	11.91	6.35	11.11	23.81
1/2"	□8T6	12.70	1.24	13.50	6.35	14.29	26.99
3/4"	□12T6	19.05	1.65	16.68	6.35	20.65	33.35



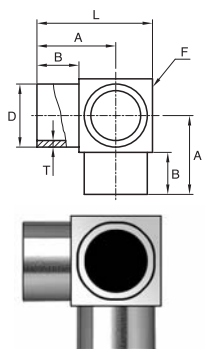
Micro Reducing Tee

Size (OD)	Size (OD ₁)	Ordering Number	D	D ₁	T	T ₁	A	B	F Body Cube	L
1/4"	1/8"	□4 × 2T6	6.35	3.18	1.00	0.7	10.32	6.35	7.94	20.64
3/8"	1/4"	□6 × 4T6	9.53	6.35	1.00	1.00	11.91	6.35	11.11	23.81
1/2"	1/4"	□8 × 4T6	12.70	6.35	1.24	1.00	13.50	6.35	14.29	26.99
1/2"	3/8"	□8 × 6T6	12.70	9.53	1.24	1.00	13.50	6.35	14.29	26.99
3/4"	1/4"	□12 × 4T6	19.05	6.35	1.65	1.00	16.68	6.35	20.65	27.00
3/4"	3/8"	□12 × 6T6	19.05	9.53	1.65	1.00	16.68	6.35	20.65	27.00
3/4"	1/2"	□12 × 8T6	19.05	12.70	1.65	1.24	16.68	6.35	20.65	27.00



Micro Cross

Size (OD)	Ordering Number	D	T	A	B	F Body Cube	L
1/8"	□2CT6	3.18	0.7	10.32	6.35	7.94	20.64
1/4"	□4CT6	6.35	1.00	10.32	6.35	7.94	20.64
3/8"	□6CT6	9.53	1.00	11.91	6.35	11.11	23.81
1/2"	□8CT6	12.70	1.24	13.50	6.35	14.29	26.99
3/4"	□12CT6	19.05	1.65	16.68	6.35	20.65	33.35



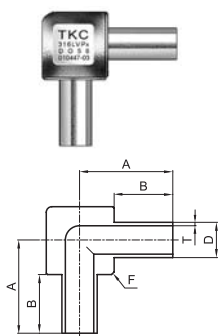
Micro Tribow

Size (OD)	Ordering Number	D	T	A	B	F Body Cube	L
1/8"	□2TB6	3.18	0.7	10.32	6.35	7.94	14.29
1/4"	□4TB6	6.35	1.00	10.32	6.35	7.94	14.29
3/8"	□6TB6	9.53	1.00	11.91	6.35	11.11	17.46
1/2"	□8TB6	12.70	1.24	13.50	6.35	14.29	20.64
3/4"	□12TB6	19.05	1.65	16.68	6.35	20.65	27.00

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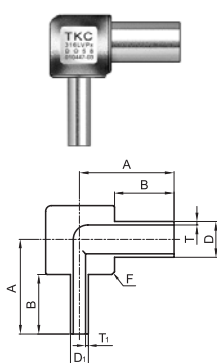
MICRO WELD FITTINGS

Forged Weld Fittings



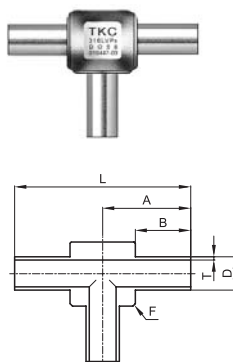
90° Elbow

Size (OD)	Ordering Number	D	T	A	B	F Body Cube
1/4"	□4E19	6.35	1.00	25.00	19.05	11.2
3/8"	□6E19	9.53	1.00	25.00	19.05	11.2
1/2"	□8E19	12.70	1.24	29.00	19.05	17.5
3/4"	□12E19	19.05	1.65	31.50	19.05	25.0
3/4"	□12E22	19.05	1.65	33.50	22.50	25.0
1"	□16E19	25.40	1.65	34.00	19.05	29.9
1"	□16E24	25.40	1.65	39.00	24.50	29.0
1/4"	□4E10	6.35	1.00	15.90	10.00	11.2
3/8"	□6E10	9.53	1.00	15.90	10.00	11.2
1/2"	□8E10	12.70	1.24	19.90	10.00	17.5
3/4"	□12E10	19.05	1.65	22.40	10.00	25.0
1"	□16E10	25.40	1.65	24.95	10.00	29.9



Reducing 90° Elbow

Size (OD)	Size (OD ₁)	Ordering Number	D	D ₁	T	T ₁	B	A	F Body Cube
3/8"	1/4"	□6×4E19	9.53	6.35	1.00	1.00	19.05	25.0	11.2
1/2"	1/4"	□8×4E19	12.70	6.35	1.24	1.00	19.05	29.0	17.5
1/2"	3/8"	□8×6E19	12.70	9.53	1.24	1.00	19.05	29.0	17.5
3/4"	1/4"	□12×4E19	19.05	6.35	1.65	1.00	19.05	31.5	25.0
3/4"	3/8"	□12×6E19	19.05	9.53	1.65	1.00	19.05	31.5	25.0
3/4"	1/2"	□12×8E19	19.05	12.70	1.65	1.24	19.05	31.5	25.0
1"	1/4"	□16×4E19	25.40	6.35	1.65	1.00	19.05	34.0	29.9
1"	1/2"	□16×8E19	25.40	12.70	1.65	1.24	19.05	34.0	29.9
1"	3/4"	□16×12E19	25.40	19.05	1.65	1.65	19.05	34.0	29.9



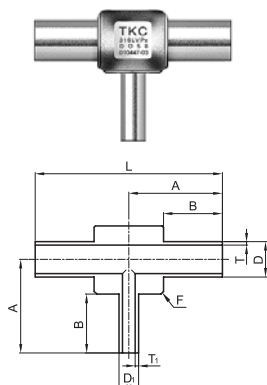
Tee

Size (OD)	Ordering Number	D	T	A	B	F Body Cube	L
1/4"	□4T19	6.35	1.00	25.00	19.05	11.2	50.0
3/8"	□6T19	9.53	1.00	25.00	19.05	11.2	50.0
1/2"	□8T19	12.70	1.24	29.00	19.05	17.5	58.0
3/4"	□12T19	19.05	1.65	31.50	19.05	25.0	63.0
3/4"	□12T22	19.05	1.65	33.50	22.50	25.0	67.0
1"	□16T19	25.40	1.65	34.00	19.05	29.9	68.0
1"	□16T24	25.40	1.65	39.00	24.50	29.0	78.0
1/4"	□4T10	6.35	1.00	15.90	10.00	11.2	31.8
3/8"	□6T10	9.53	1.00	15.90	10.00	11.2	31.8
1/2"	□8T10	12.70	1.24	19.90	10.00	17.5	39.8
3/4"	□12T10	19.05	1.65	22.40	10.00	25.0	44.8
1"	□16T10	25.40	1.65	24.95	10.00	29.9	49.9

•Dimensions are for reference only and are subject to change.

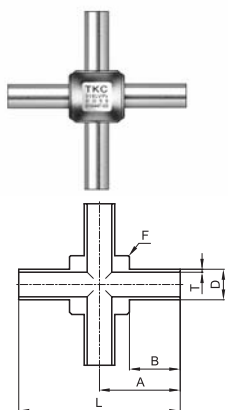
WELD FITTINGS

Dimensions / Ordering Information



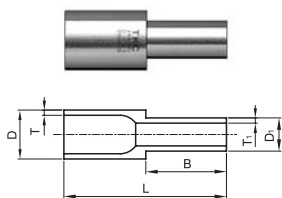
Reducing Tee

Size (OD)	Size (OD ₁)	Ordering Number	D	D ₁	T	T ₁	A	B	F Body Cube	L
3/8"	1/4"	□6 × 4T19	9.53	6.35	1.00	1.00	25.0	19.05	11.2	50.0
1/2"	1/4"	□8 × 4T19	12.70	6.35	1.24	1.00	29.0	19.05	17.5	58.0
1/2"	3/8"	□8 × 6T19	12.70	9.53	1.24	1.00	29.0	19.05	17.5	58.0
3/4"	1/4"	□12 × 4T19	19.05	6.35	1.65	1.00	31.5	19.05	25.0	63.0
3/4"	3/8"	□12 × 6T19	19.05	9.53	1.65	1.00	31.5	19.05	25.0	63.0
3/4"	1/2"	□12 × 8T19	19.05	12.70	1.65	1.24	31.5	19.05	25.0	63.0
1"	1/4"	□16 × 4T19	25.40	6.35	1.65	1.00	34.0	19.05	29.9	68.0
1"	1/2"	□16 × 8T19	25.40	12.70	1.65	1.24	34.0	19.05	29.9	68.0
1"	3/4"	□16 × 12T19	25.40	19.05	1.65	1.65	34.0	19.05	29.9	68.0
3/8"	1/4"	□6 × 4T10	9.53	6.35	1.00	1.00	15.9	10.00	11.2	31.8
1/2"	1/4"	□8 × 4T10	12.70	6.35	1.24	1.00	19.9	10.00	17.5	39.8
1/2"	3/8"	□8 × 6T10	12.70	9.53	1.24	1.00	19.9	10.00	17.5	39.8
3/4"	1/4"	□12 × 4T10	19.05	6.35	1.65	1.00	22.4	10.00	25.0	44.8
3/4"	3/8"	□12 × 6T10	19.05	9.53	1.65	1.00	22.4	10.00	25.0	44.8



Cross Tee

Size (OD)	Ordering Number	D	T	A	B	F Body Cube	L
1/4"	□4CT19	6.35	1.00	25.00	19.05	11.2	50.0
3/8"	□6CT19	9.53	1.00	25.00	19.05	11.2	50.0
1/2"	□8CT19	12.70	1.24	29.00	19.05	17.5	58.0
3/4"	□12CT19	19.05	1.65	31.50	19.05	25.0	63.0
1"	□16CT19	25.40	1.65	34.00	19.05	29.9	68.0
1/4"	□4CT10	6.35	1.00	15.90	10.00	11.2	31.8
3/8"	□6CT10	9.53	1.00	15.90	10.00	11.2	31.8
1/2"	□8CT10	12.70	1.24	19.90	10.00	17.5	39.8
3/4"	□12CT10	19.05	1.65	22.40	10.00	25.0	44.8
1"	□16CT10	25.40	1.65	24.95	10.00	29.9	49.9



Reducer

Size (OD)	Size (OD ₁)	Ordering Number	D	D ₁	T	T ₁	B	L
3/8"	1/4"	□6 × 4R19	9.53	6.35	1.00	1.00	19.05	38.1
1/2"	1/4"	□8 × 4R19	12.70	6.35	1.24	1.00	19.05	38.1
1/2"	3/8"	□8 × 6R19	12.70	9.53	1.24	1.00	19.05	38.1
3/4"	1/4"	□12 × 4R19	19.05	6.35	1.65	1.00	19.05	42.9
3/4"	3/8"	□12 × 6R19	19.05	9.53	1.65	1.00	19.05	42.9
3/4"	1/2"	□12 × 8R19	19.05	12.70	1.65	1.24	19.05	42.9
1"	1/4"	□16 × 4R19	25.40	6.35	1.65	1.00	19.05	42.9
1"	3/8"	□16 × 6R19	25.40	9.53	1.65	1.00	19.05	42.9
1"	1/2"	□16 × 8R19	25.40	12.70	1.65	1.24	19.05	42.9
1"	3/4"	□16 × 12R19	25.40	19.05	1.65	1.65	19.05	42.9
3/8"	1/4"	□6 × 4R10	9.53	6.35	1.00	1.00	10.00	20.0
1/2"	1/4"	□8 × 4R10	12.70	6.35	1.24	1.00	10.00	20.0
1/2"	3/8"	□8 × 6R10	12.70	9.53	1.24	1.00	10.00	20.0
3/4"	1/4"	□12 × 4R10	19.05	6.35	1.65	1.00	10.00	20.0
3/4"	3/8"	□12 × 6R10	19.05	9.53	1.65	1.00	10.00	20.0
3/4"	1/2"	□12 × 8R10	19.05	12.70	1.65	1.24	10.00	20.0

• Dimensions are for reference only and are subject to change.

FACE SEAL FITTINGS



- Glands
- Welded Assemblies
- Gaskets
- Nuts, Caps and Plugs
- High-Flow Connections - "H" Type

- **High-Purity Nickel and Hastelloy C-22** glands for extremely corrosive applications.
- **Non-Rotational Female Nut** to prevent transmission of torque during make-up and therefore minimize twist of component which causes stress concentration.

Materials

Glands, Bodies

Material	Ordering Number Designator	Applicable Specification
316L stainless steel Single Melt	S	bar stock : ASME SA479, ASTM A276 forgings : ASTM A182
316L VAR(Vacuum Arc Remelting) stainless steel Double Melt	D	bar stock : ASME SA479, ASTM A276 forgings : ASTM A182

Some Configuration

Gaskets

Material	Ordering Number Designator	Applicable Specification
Nickel	UN	ASTM B162
Silver plated nickel	SN	ASTM B162
316L stainless steel	US	ASTM A167
Silver plated 316L stainless steel	SS	ASTM A167

Specifications

- **Pressure Ratings** are based upon tests conducted using MFS assemblies. All ratings comply with calculations per ANSI Code for Pressure Piping B31.3.
- **Working Pressures** are rated at ambient temperature and are based on a 4 to 1 design factor. To determine pressure ratings in accordance with ANSI B31.1 multiply **Working Pressures** by 0.94.
- **Temperature Ratings**
Fittings: Stainless Steel 316, 316L 1000°F(537°C)
Gaskets: High-Purity Nickel 600°F(315°C)
Stainless Steel 1000°F(537°C)
- **Dimensions** are for reference only and are subject to change
- **Plating** Female nuts are silver plated. Avoid chemical processes used for cleaning, electropolishing, and passivation that will remove plating. If the plating is damage or removed, thread galling may occur, damaging fitting components and preventing a proper seal.
- **Testing** products are rated to a Helium leak rate of 1×10^{-9} atm cc/sec.
- **Internal Surface Finishes:** components are available with controlled surface finishes and electropolished internal surfaces.
- **Cleaning and Packaging:** Ultra-High Purity cleaning and packaging in a Class 100 Clean Room environment validated per Federal Standard 209E, is standard for all electropolished components.

Designator	Surface Finish(Ry)
	Maximum
EP	0.7 μ m
BA	3.0 μ m

Typical Face Seal Fittings



Female Nut



Gland



Gasket



Gland

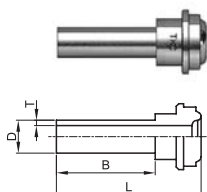


Male Nut

FACE SEAL FITTINGS

Dimensions / Ordering Information

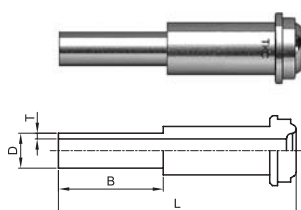
Glands



Female Gland

Tube Size	Head Size	Ordering Number	D	T	B	L	ANS (Inch)
1/8"	1/8"	□2SG19	3.18	0.70	19.05	27.40	1/8
1/4"	1/4"	□4SG6	6.35	1.00	6.35	15.24	1/4
1/4"	1/4"	□4SG10	6.35	1.00	10.00	18.89	1/4
1/4"	1/4"	□4SG19	6.35	1.00	19.05	27.94	1/4
3/8"	1/2"	□6SG6	9.53	1.00	6.35	15.75	1/2
3/8"	1/2"	□6SG10	9.53	1.00	10.00	19.40	1/2
3/8"	1/2"	□6SG19	9.53	1.00	19.05	28.45	1/2
1/2"	1/2"	□8SG6	12.70	1.24	6.35	15.75	1/2
1/2"	1/2"	□8SG10	12.70	1.24	10.00	19.40	1/2
1/2"	1/2"	□8SG19	12.70	1.24	19.05	28.45	1/2
3/4"	3/4"	□12SG19	19.05	1.65	19.05	34.50	3/4
1"	1"	□16SG19	25.40	1.65	19.05	38.60	1
1/4"	1/2"	□8 × 4SG6	6.35	1.00	6.35	15.75	1/2
1/4"	1/2"	□8 × 4SG10	6.35	1.00	10.00	19.40	1/2
1/4"	1/2"	□8 × 4SG19	6.35	1.00	19.05	28.45	1/2

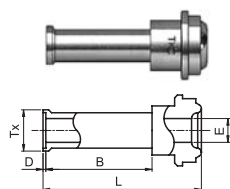
ANS : AVAILABLE NUT SIZE



Male Gland

Tube Size	Head Size	Ordering Number	D	T	B	L	ANS (Inch)
1/8"	1/8"	□2LG19	3.18	0.70	19.05	36.00	1/8
1/4"	1/4"	□4LG6	6.35	1.00	6.35	30.48	1/4
1/4"	1/4"	□4LG10	6.35	1.00	10.00	34.13	1/4
1/4"	1/4"	□4LG19	6.35	1.00	19.05	43.18	1/4
3/8"	1/2"	□6LG6	9.53	1.00	6.35	32.77	1/2
3/8"	1/2"	□6LG10	9.53	1.00	10.00	36.42	1/2
3/8"	1/2"	□6LG19	9.53	1.00	19.05	45.47	1/2
1/2"	1/2"	□8LG6	12.70	1.24	6.35	32.77	1/2
1/2"	1/2"	□8LG10	12.70	1.24	10.00	36.42	1/2
1/2"	1/2"	□8LG19	12.70	1.24	19.05	45.47	1/2
3/4"	3/4"	□12LG19	19.05	1.65	19.05	51.56	3/4
1"	1"	□16LG19	25.40	1.65	19.05	58.93	1
1/4"	1/2"	□8 × 4LG6	6.35	1.00	6.35	32.77	1/2
1/4"	1/2"	□8 × 4LG10	6.35	1.00	10.00	36.42	1/2
1/4"	1/2"	□8 × 4LG19	6.35	1.00	19.05	45.47	1/2

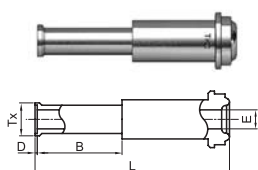
ANS : AVAILABLE NUT SIZE



ATW Female Long Gland

Tube Size	Head Size	Ordering Number	B	D	E	L	Tx
1/4"	1/4"	□4ASG19	19.05	0.5	4.35	28.5	7.4
3/8"	1/2"	□6ASG19	19.05	0.8	7.53	29.2	10.4
1/2"	1/2"	□8ASG19	19.05	1.0	10.22	29.5	14.0
1/4"	1/2"	□8 × 4ASG19	19.05	0.5	4.35	29.5	7.4

ANS : AVAILABLE NUT SIZE



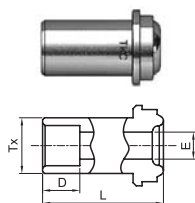
ATW Male Long Gland

Tube Size	Head Size	Ordering Number	B	D	E	L	Tx
1/4"	1/4"	□4ALG19	19.05	0.50	4.35	43.70	7.4
3/8"	1/2"	□6ALG19	19.05	0.75	7.53	46.25	10.4
1/2"	1/2"	□8ALG19	19.05	1.00	10.22	46.50	14.0
3/4"	3/4"	□12ALG19	19.05	1.00	15.75	52.60	20.1
1"	1"	□16ALG19	24.40	1.00	22.10	65.30	26.9
1/4"	1/2"	□8 × 4ALG19	19.05	0.50	4.35	46.20	7.4

ANS : AVAILABLE NUT SIZE

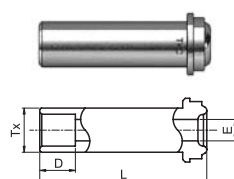
• Dimensions are for reference only and are subject to change.

FACE SEAL FITTINGS



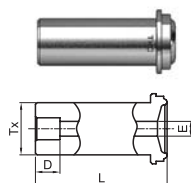
Socket Weld Short Gland

Socket Size	Head Size	Ordering Number	D	E	L	Tx
1/4"	1/4"	□4SWSG	7.1	4.35	12.7	8.9



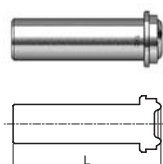
Socket Weld Long Gland

Socket Size	Head Size	Ordering Number	D	E	L	Tx
1/8"	1/8"	□2SWLG	2.5	2.30	17.8	5.1
1/4"	1/4"	□4SWLG	7.1	4.35	33.3	8.9
3/8"	1/2"	□6SWLG	7.9	7.53	38.1	15.2
1/2"	1/2"	□8SWLG	9.6	10.22	38.1	15.2
3/4"	3/4"	□12SWLG	11.2	15.75	50.8	22.4
1"	1"	□16SWLG	15.7	22.10	56.4	30.2



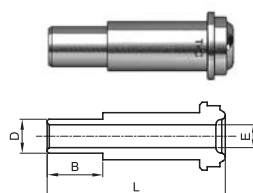
Socket Weld Reducing Long Gland

Socket Size	Head Size	Ordering Number	D	E	L	Tx
1/8"	1/4"	□4×2SWLG	2.5	2.30	33.3	8.9
1/4"	1/2"	□8×4SWLG	7.1	4.35	38.1	15.2



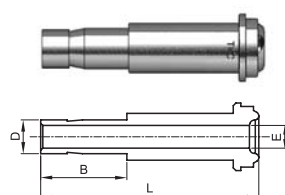
Blind Gland

Head Size	Ordering Number	L	Head Size	Ordering Number	L
1/8"	□2BLG	17.8	3/4"	□12BLG	50.8
1/4"	□4BLG	33.3	1"	□16BLG	56.4
1/2"	□8BLG	38.1			



Male Weld Gland

Tube Size	Head Size	Ordering Number	D	E	B	L	ANS (Inch)
1/8"	1/8"	□2MG	3.18	1.5	7.1	17.8	1/8
1/4"	1/4"	□4MG	6.35	3.0	10.4	33.3	1/4
3/8"	1/2"	□6MG	9.53	7.1	10.4	38.1	3/8
1/2"	1/2"	□8MG	12.70	10.2	12.7	38.1	1/2



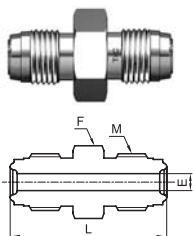
Tube Adapter

Tube Size	Head Size	Ordering Number	D	E	B	L	ANS (Inch)
1/4"	1/4"	□4TA	6.35	4.3	16.2	41.0	1/4
3/8"	1/2"	□6TA	9.53	6.8	17.8	46.0	3/8
1/2"	1/2"	□8TA	12.70	9.4	24.4	49.3	1/2

• Dimensions are for reference only and are subject to change.

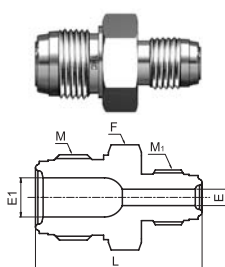
FACE SEAL FITTINGS

Dimensions / Ordering Information



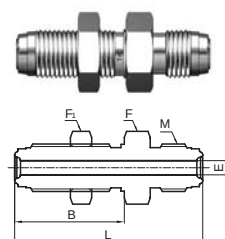
Double Male Union

Head Size	Ordering Number	E	L	F Hex Flat	M
1/8"	□2MU	2.30	28.70	9.52	5/16-24 UNF
1/4"	□4MU	4.35	39.37	15.88	9/16-18 UNF
1/2"	□8MU	10.22	46.74	23.81	7/8-14 UNF
3/4"	□12MU	15.75	61.98	33.34	1 1/4 -18 UNEF
1"	□16MU	22.10	65.79	41.28	1 1/2-20UN



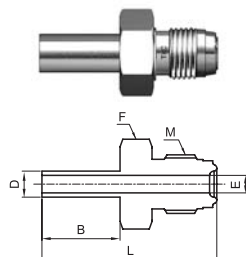
Double Male Reducing Union

Head Size	Head Size	Ordering Number	E	E1	F Hex Flat	L	M	M1
1/4"	1/8"	□4 × 2MU	2.30	4.35	15.88	34.8	9/16-18 UNF	5/16-24 UNF
1/2"	1/4"	□8 × 4MU	4.35	10.22	23.81	43.4	7/8-14 UNF	9/16-18 UNF



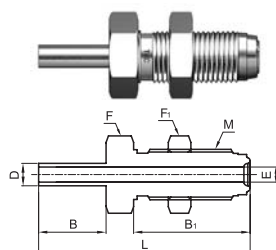
Bulkhead Union

Head Size	Ordering Number	E	B	L	F Hex Flat	F1 Hex Flat	M
1/4"	□4BH	4.35	33.00	56.60	19.05	19.05	9/16-18 UNF
1/2"	□8BH	10.22	37.60	65.25	26.90	26.90	7/8-14 UNF
3/4"	□12BH	15.75	43.40	79.00	38.10	38.10	1 1/4 -18 UNEF
1"	□16H	22.10	47.10	86.00	44.40	44.40	1 1/2-20UN



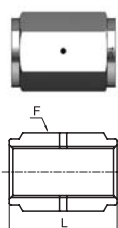
TBW Body

Tube Size	Ordering Number	D	B	E	L	F Hex Flat	M
1/4"	□4BY19	6.35	19.05	4.35	42.65	15.88	9/16-18 UNF
3/8"	□6BY19	9.53	19.05	10.22	46.70	23.81	7/8-14 UNF
1/2"	□8BY19	12.70	19.05	10.22	46.70	23.81	7/8-14 UNF
3/4"	□12BY19	19.05	19.05	15.75	55.55	33.34	1 1/4 -18 UNEF



TBW Bulkhead Connector

Tube Size	Ordering Number	D	E	B	B1	L	F Hex Flat	F1 Hex Flat	M
1/4"	□4BHY	6.35	4.35	19.05	33.00	59.85	19.05	19.05	9/16-18 UNF
1/2"	□8BHY	12.70	10.22	19.05	37.60	65.25	26.90	26.90	7/8-14 UNF
3/4"	□12BHY	19.05	15.75	19.05	43.25	71.30	38.10	38.10	1 1/4-18 UNEF

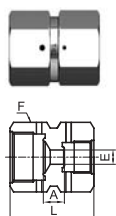


Coupling

Head Size	Ordering Number	F Hex Flat	L	Head Size	Ordering Number	F Hex Flat	L
1/8"	□2CG	11.11	16.8	3/4"	□12CG	38.10	42.7
1/4"	□4CG	19.05	30.2	1"	□16CG	44.45	51.8
1/2"	□8CG	26.98	33.3				

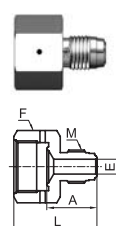
• Dimensions are for reference only and are subject to change.

FACE SEAL FITTINGS



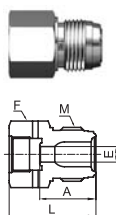
Double Female Reducing Union

Head Size	Head Size	Ordering Number	E	F Hex Flat	A	L
1/4"	1/8"	□4 ×2FU	3.3	15.88	9.1	29.5
1/2"	1/4"	□8 ×4FU	6.4	26.98	8.9	35.8



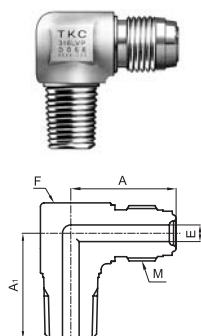
Reducing Adapter

Head Size	Head Size	Ordering Number	E	F Hex Flat	A	L	M
1/8"	1/4"	□2 ×4RA	2.3	19.05	17.5	30.2	5/16-24 UNF
1/4"	1/2"	□4 ×8RA	4.6	26.98	21.6	35.8	9/16-18 UNF



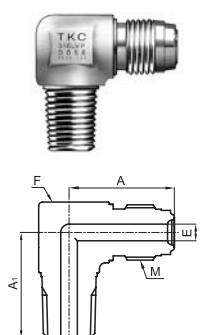
Reducing Bushing

Head Size	Head Size	Ordering Number	E	F Hex Flat	A	L	M
1/4"	1/8"	□4 ×2RB	3.3	19.05	19.3	26.9	9/16-18 UNF
1/2"	1/4"	□8 ×4RB	6.4	23.81	23.1	35.8	7/8-14 UNF



Male Elbow (PT)

Head Size	PT SIZE	Ordering Number	E	A	A ₁	F Body Cube	M
1/4"	1/4"	□4ME-X32	4.35	27.18	27.18	15.9	9/16-18 UNF
1/2"	3/8"	□6ME-X32	10.22	36.83	32.00	23.8	7/8-14 UNF
1/2"	1/2"	□8ME-X32	10.22	36.83	36.83	23.8	7/8-14 UNF
3/4"	3/4"	□12ME-X32	15.75	48.80	43.50	33.3	1 1/4-18 UNEF



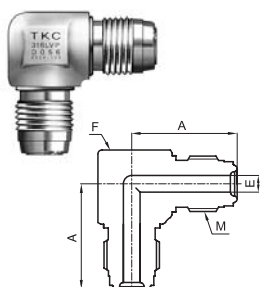
Male Elbow (NPT)

Head Size	NPT SIZE	Ordering Number	E	A	A ₁	F Body Cube	M
1/4"	1/4"	□4ME	4.35	27.18	27.18	15.9	9/16-18 UNF
1/2"	3/8"	□6ME	10.22	36.83	32.00	23.8	7/8-14 UNF
1/2"	1/2"	□8ME	10.22	36.83	36.83	23.8	7/8-14 UNF
3/4"	3/4"	□12ME	15.75	48.80	43.50	33.3	1 1/4-18 UNEF

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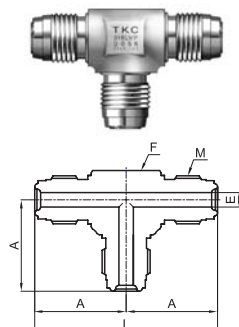
FACE SEAL FITTINGS

Dimensions / Ordering Information



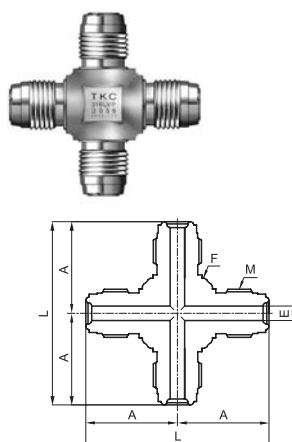
Union Elbow

Head Size	Ordering Number	E	A	F Body Cube	M
1/4"	□4UE	4.35	27.18	15.9	9/16-18 UNF
1/2"	□8UE	10.22	36.83	23.8	7/8-14 UNF
3/4"	□12UE	15.75	48.77	33.3	1 1/4-18 UNEF
1"	□16UE	22.10	50.80	42.2	1 1/2-20UN



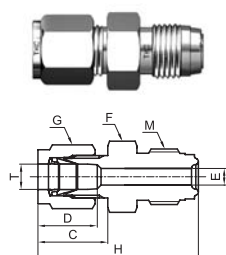
Union Tee

Head Size	Ordering Number	E	A	L	F Body Cube	M
1/4"	□4UT	4.35	27.18	54.36	15.9	9/16-18 UNF
1/2"	□8UT	10.22	36.83	73.66	23.8	7/8-14 UNF
3/4"	□12UT	15.75	48.77	97.54	33.3	1 1/4-18 UNEF
1"	□16UT	22.10	50.80	101.60	42.2	1 1/2-20UN



Union Cross

Head Size	Ordering Number	E	A	L	F Body Cube	M
1/4"	□4UC	4.35	27.18	54.36	15.9	9/16-18 UNF
1/2"	□8UC	10.22	36.83	73.66	23.8	7/8-14 UNF
3/4"	□12UC	15.75	48.77	97.54	33.3	1 1/4-18 UNEF
1"	□16UC	22.10	50.80	101.60	42.2	1 1/2-20UN

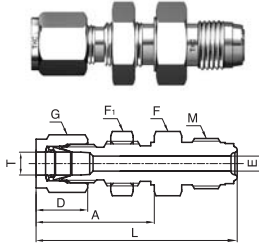


Tube Fitting Connector

Tube Size	Head Size	Ordering Number	C	D	E	F Hex Flat	G Hex Flat	H	T	M
1/8"	1/4"	□4X2MCK	15.20	12.70	4.35	15.90	11.11	38.9	1/8"	9/16-18 UNF
1/4"	1/4"	□4MCK	17.80	15.20	4.35	15.90	14.29	41.1	1/4"	9/16-18 UNF
3/8"	1/2"	□6MCK	19.30	16.80	10.22	23.81	17.46	46.7	3/8"	7/8-14 UNF
1/2"	1/2"	□8MCK	21.80	22.90	10.22	23.81	22.23	49.5	1/2"	7/8-14 UNF

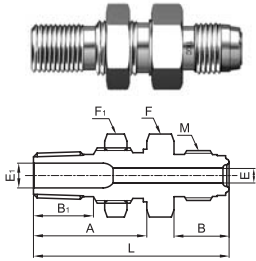
• Dimensions are for reference only and are subject to change.

FACE SEAL FITTINGS



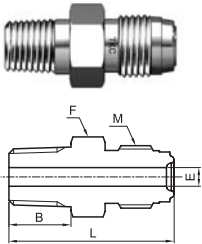
Tube Fitting Bulkhead Connector

Tube Size	Head Size	Ordering Number	A	D	E	F Hex Flat	F1 Hex Flat	G Hex Flat	L	T	M
1/4"	1/4"	□4BHCK	33.5	15.20	4.35	15.87	15.87	14.28	57.2	1/4"	9/16-18 UNF
3/8"	1/2"	□6BHCK	36.8	16.80	7.53	23.81	19.05	17.46	64.5	3/8"	7/8-14 UNF
1/2"	1/2"	□8BHCK	41.9	22.90	10.22	23.81	23.81	22.22	69.6	1/2"	7/8-14 UNF



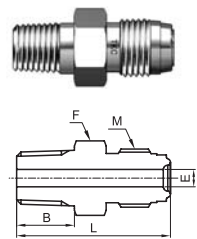
Male Bulkhead Connector(NPT)

Head Size	NPT Size	Ordering Number	B	B1	E	E1	F Hex Flat	F1 Hex Flat	A	L	M
1/4"	1/4"	□4BHC	15.7	14.2	4.35	7.1	20.63	20.63	31.5	56.1	9/16-18 UNF
1/2"	1/4"	□8×4BHC	19.1	14.2	10.22	7.1	23.81	20.63	31.5	59.4	7/8-14 UNF



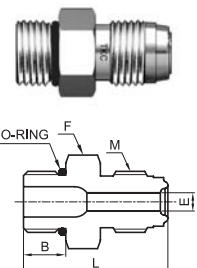
Male Connector(PT)

Head Size	PT SIZE	Ordering Number	E	B	L	F Hex Flat	M
1/8"	1/8"	□2MC-X32	2.30	9.60	27.20	11.11	5/16-24 UNF
1/4"	1/8"	□4X2MC-X32	4.35	9.60	33.30	15.90	9/16-18 UNF
1/4"	1/4"	□4MC-X32	4.35	14.22	37.84	15.90	9/16-18 UNF
1/2"	1/4"	□8X4MC-X32	10.22	14.22	41.87	23.80	7/8-14 UNF
1/2"	3/8"	□6MC-X32	7.53	14.22	41.87	23.80	7/8-14 UNF
1/2"	1/2"	□8MC-X32	10.22	19.05	46.74	23.80	7/8-14 UNF
3/4"	3/4"	□12MC-X32	15.75	19.05	55.63	33.30	1 1/4-18 UNEF
1"	1"	□16MC-X32	22.10	23.88	62.74	42.20	1 1/2-20UN



Male Connector(NPT)

Head Size	NPT SIZE	Ordering Number	E	B	L	F Hex Flat	M
1/8"	1/8"	□2MC	2.30	9.60	27.20	11.11	5/16-24 UNF-2A
1/4"	1/8"	□4X2MC	4.35	9.60	33.30	15.90	9/16-18 UNF
1/4"	1/4"	□4MC	4.35	14.22	37.84	15.90	9/16-18 UNF
1/2"	1/4"	□8X4MC	10.22	14.22	41.87	23.80	7/8-14 UNF
1/2"	3/8"	□6MC	7.53	14.22	41.87	23.80	7/8-14 UNF
1/2"	1/2"	□8MC	10.22	19.05	46.74	23.80	7/8-14 UNF
3/4"	3/4"	□12MC	15.75	19.05	55.63	33.30	1 1/4-18 UNEF
1"	1"	□16MC	22.10	23.88	62.74	42.20	1 1/2-20UN



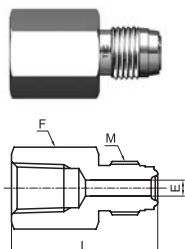
Male Connector(ST)

Head Size	ST SIZE	Ordering Number	E	B	L	F Hex Flat	M	UNIFORM O-Ring Size
1/4"	9/16-18 UNF	□4MCS	4.35	9.9	33.80	19.05	9/16-18 UNF	F-906
1/2"	7/8-14 UNF	□8MCS	10.22	12.7	42.20	25.40	7/8-14 UNF	F-910
1/2"	9/16-18 UNF	□8X4MCS	10.22	9.9	37.60	23.80	7/8-14 UNF	F-906
3/4"	1 3/16-12 UNF	□12MCS	15.75	15.0	51.50	34.90	1 1/4-18 UNEF	F-912

• Dimensions are for reference only and are subject to change.

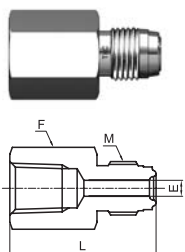
FACE SEAL FITTINGS

Dimensions / Ordering Information



Female Connector(PT)

Head Size	PT SIZE	Ordering Number	E	F Hex Flat	L	M
1/8"	1/8"	□2FC-X32	2.30	14.28	30.20	5/16-24 UNF
1/4"	1/8"	□4X2FC-X32	4.35	15.90	35.80	9/16-18 UNF
1/4"	1/4"	□4FC-X32	4.35	19.05	39.10	9/16-18 UNF
1/2"	3/8"	□6FC-X32	7.53	23.81	44.70	7/8-14 UNF
1/2"	1/2"	□8FC-X32	10.22	26.98	50.50	7/8-14 UNF
3/4"	3/4"	□12FC-X32	15.75	33.33	59.90	1 1/4-18 UNEF
1"	1"	□16FC-X32	22.10	41.27	63.80	1 1/2-2 OUN



Female Connector(NPT)

Head Size	NPT SIZE	Ordering Number	E	F Hex Flat	L	M
1/8"	1/8"	□2FC	2.30	14.28	30.20	5/16-24 UNF
1/4"	1/8"	□4X2FC	4.35	15.90	35.80	9/16-18 UNF
1/4"	1/4"	□4FC	4.35	19.05	39.10	9/16-18 UNF
1/2"	3/8"	□6FC	7.53	23.81	44.70	7/8-14 UNF
1/2"	1/2"	□8FC	10.22	26.98	50.50	7/8-14 UNF
3/4"	3/4"	□12FC	15.75	33.33	59.90	1 1/4-18 UNEF
1"	1"	□16FC	22.10	41.27	63.80	1 1/2-2 OUN

Gaskets



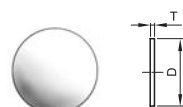
Gasket Retainer Assembly

Head Size	Ordering Number	T	D1	Dx
1/4"	□4GR	0.8	5.6	11.85
1/2"	□8GR	0.8	11.2	19.27
3/4"	□12GR	0.8	16.7	27.90
1"	□16GR	0.8	22.6	34.20



Gasket

Head Size	Ordering Number	T	D1	Dx
1/8"	□2GT	0.8	2.3	6.6
1/4"	□4GT	0.8	5.6	12.7
1/2"	□8GT	0.8	11.2	19.8
3/4"	□12GT	0.8	16.7	29.0
1"	□16GT	0.8	22.6	35.8



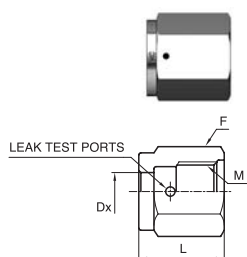
Blind Gasket

Head Size	Ordering Number	D	T
1/4"	□4GB	11.9	0.8
1/2"	□8GB	19.8	0.8
3/4"	□12GB	28.9	0.8
1"	□16GB	35.5	0.8

• Dimensions are for reference only and are subject to change.

FACE SEAL FITTINGS

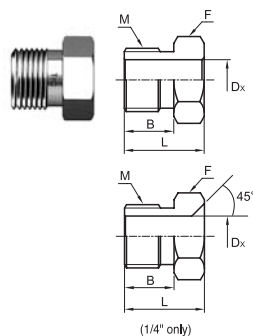
Nuts, Caps, and Plugs



Female Nut

Head Size	Ordering Number	L	F Hex Flat	Dx	M
1/8"	□2FN	13.5	11.11	5.30	5/16-24 UNF
1/4"	□4FN	20.5	19.05	9.10	9/16-18 UNF
1/2"	□8FN	22.3	26.99	15.50	7/8-14 UNF
3/4"	□12FN	28.4	38.10	22.60	1 1/4-18 UNEF
1"	□16FN	34.0	44.45	30.50	1 1/2-20UN

* Material - S: 316L Stainless Steel SS: 316 Stainless Steel

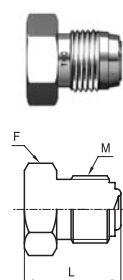


Male Nut

Head Size	Ordering Number	L	B	F Hex Flat	Dx	M
1/8"	□2MN	12.7	8.2	9.52	5.30	5/16-24 UNF
1/4"	□4MN	18.0	11.0	15.88	9.10	9/16-18 UNF
1/4"	□4MNS	13.7	11.0	15.88	9.10	9/16-18 UNF
1/2"	□8MN	20.5	12.7	23.81	15.50	7/8-14 UNF
3/4"	□12MN	25.4	16.0	33.34	22.60	1 1/4-18 UNEF
1"	□16MN	30.2	20.0	41.28	30.50	1 1/2-20UN

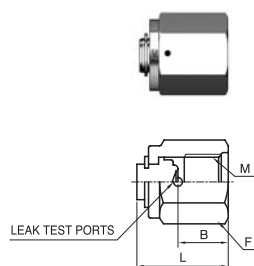
* 4MNS : Short Male Nut 1/4" Only

* Material - S: 316L Stainless Steel SS: 316 Stainless Steel



Plug

Head Size	Ordering Number	L	F Hex Flat	M
1/8"	□2PG	17.30	9.52	5/16-24 UNF
1/4"	□4PG	23.37	15.88	9/16-18 UNF
1/2"	□8PG	27.43	23.81	7/8-14 UNF
3/4"	□12PG	36.32	33.34	1 1/4-18 UNEF
1"	□16PG	38.61	41.28	1 1/2-20UN



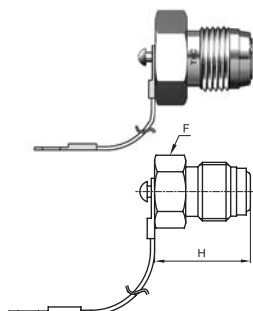
Cap

Head Size	Ordering Number	L	B	F Hex Flat	M
1/8"	□2CP	16.00	7.60	11.11	5/16-24 UNF
1/4"	□4CP	24.20	11.18	19.05	9/16-18 UNF
1/2"	□8CP	25.50	11.43	26.99	7/8-14 UNF
3/4"	□12CP	32.77	13.72	38.10	1 1/4-18 UNEF
1"	□16CP	39.12	16.00	44.45	1 1/2-20UN

• Dimensions are for reference only and are subject to change.

FACE SEAL FITTINGS

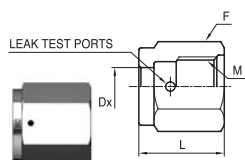
Dimensions / Ordering Information



Plug (Cable Type)

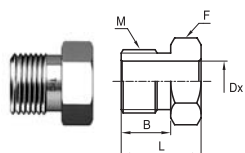
Head Size	Ordering Number	F	H	Cable Length
1/4"	□4PG-C	15.88	23.37	260
1/2"	□8PG-C	23.81	27.43	260

High-Flow Connection - "H" Type



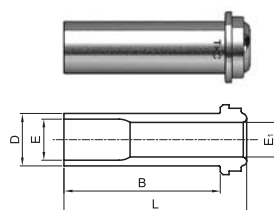
HMFS Female Nut

Head Size	Ordering Number	L	F Hex Flat	Dx	M
1/4"	□4HFN	20.57	19.05	9.90	9/16-18 UNF



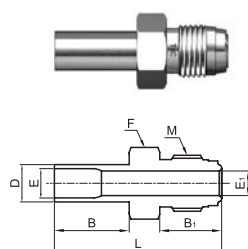
HMFS Male Nut

Head Size	Ordering Number	B	L	F Hex Flat	Dx	M
1/4"	□4HMN	11.0	18.03	15.88	9.9	9/16-18 UNF



HMFS Long Gland

Tube Size	Head Size	Ordering Number	D	B	L	E	E ₁
3/8"	1/4"	□6 ×4HLG	9.53	28.4	33.2	7.5	6.28

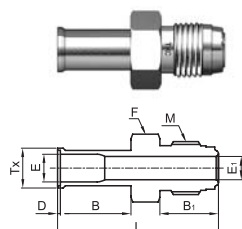


HMFS TBW Body

Head Size	Tube Size	Ordering Number	D	E	E ₁	B	B ₁	F Hex Flat	L	M
1/4"	3/8"	□4 ×6HBY	9.53	7.5	6.35	19.05	15.8	15.87	42.75	9/16-18 UNF

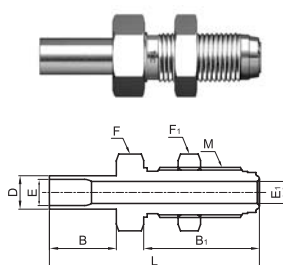
• Dimensions are for reference only and are subject to change.

FACE SEAL FITTINGS



HMFS ATW Body

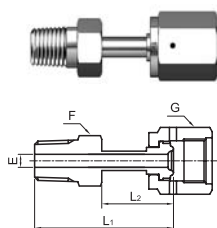
Head Size	Tube Size	Ordering Number	B	B ₁	D	E	E ₁	F Hex Flat	L	Tx	M
1/4"	3/8"	□4×6HABY	19.05	15.8	0.8	7.9	6.35	15.87	43.35	10.4	9/16-18 UNF



HMFS Bulkhead Connector

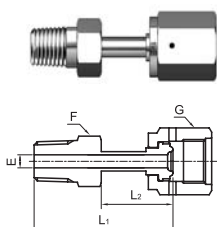
Head Size	Tube Size	Ordering Number	D	E	B	B ₁	E ₁	F Hex Flat	F ₁ Hex Flat	L	M
1/4"	3/8"	□4×6HBHY	9.53	7.5	19.05	33.0	6.35	19.05	19.05	59.85	9/16-18 UNF

Welded Assemblies



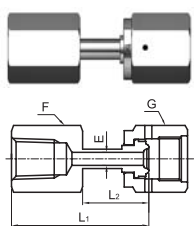
Welded Male Connector(PT)

Head Size	PT SIZE	Ordering Number	E	F Hex Flat	G Hex Flat	L ₁	L ₂
1/4"	1/8"	□4X2WMC-X32	4.35	11.11	19.05	40.1	24.1
1/4"	1/4"	□4WMC-X32	4.35	14.29	19.05	45.5	23.4
1/2"	3/8"	□6WMC-X32	7.53	17.46	26.99	48.0	25.4
1/2"	1/2"	□8WMC-X32	10.22	22.23	26.99	53.1	25.6



Welded Male Connector(NPT)

Head Size	NPT SIZE	Ordering Number	E	F Hex Flat	G Hex Flat	L ₁	L ₂
1/4"	1/8"	□4X2WMC	4.35	11.11	19.05	40.1	24.1
1/4"	1/4"	□4WMC	4.35	14.29	19.05	45.5	23.4
1/2"	3/8"	□6WMC	7.53	17.46	26.99	48.0	25.4
1/2"	1/2"	□8WMC	10.22	22.23	26.99	53.1	25.6



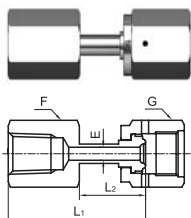
Welded Female Connector(PT)

Head Size	PT SIZE	Ordering Number	E	F Hex Flat	G Hex Flat	L ₁	L ₂
1/4"	1/4"	□4FMC-X32	4.35	19.05	19.05	45.0	23.4
1/2"	3/8"	□6FMC-X32	7.53	22.23	26.99	49.5	26.9
1/2"	1/2"	□8FMC-X32	10.22	26.99	26.99	55.4	26.4

• Dimensions are for reference only and are subject to change.

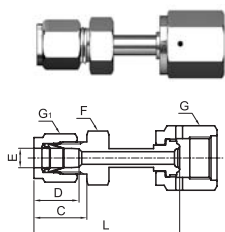
FACE SEAL FITTINGS

Dimensions / Ordering Information



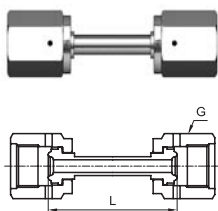
Welded Female Connector(NPT)

Head Size	NPT SIZE	Ordering Number	E	F Hex Flat	G Hex Flat	L ₁	L ₂
1/4"	1/4"	□4FMC	4.35	19.05	19.05	45.0	23.4
1/2"	3/8"	□6FMC	7.53	22.23	26.99	49.5	26.9
1/2"	1/2"	□8FMC	10.22	26.99	26.99	55.4	26.4



Welded Lok Connector

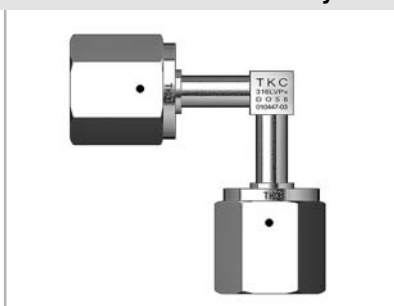
Tube Size	Head Size	Ordering Number	C	D	E	F Hex Flat	G Hex Flat	G ₁ Hex Flat	L
1/4"	1/4"	□4WTC	17.78	15.24	4.35	12.70	19	17	49.28
3/8"	1/4"	□6WTC	19.30	16.76	7.53	15.88	19	19	50.04
1/2"	1/2"	□8WTC	21.84	22.86	10.22	20.64	26	19	56.64



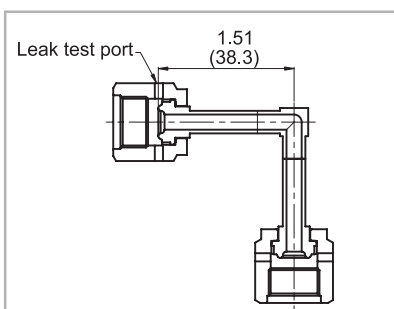
Welded Female Union

Head Size	Ordering Number	L	G Hex Flat
1/4"	□4WPU	43.4	19.05
1/2"	□8WPU	46.7	26.99

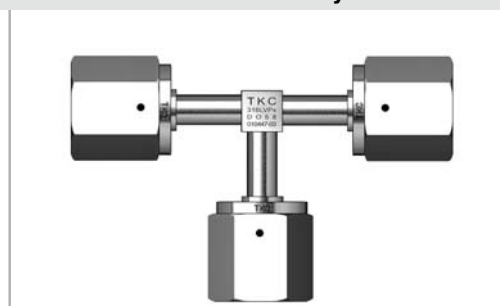
Female Elbow Union Welded Assembly



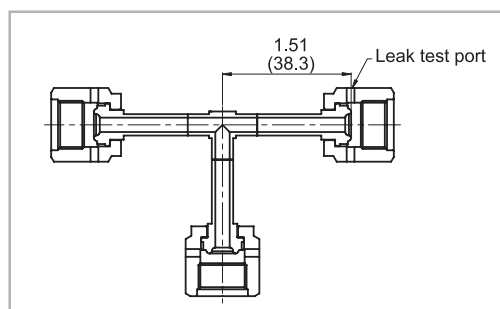
Ordering Number / □ - 4UEW



Female Tee Union Welded Assembly



Ordering Number / □ - 4UTW



• Dimensions are for reference only and are subject to change.

Handling

Damage to the sealing beads may affect the fitting performance. A protective cap is placed on all Face Seal Fitting sealing beads to prevent nicks or scratches. Keep this cap in place during storage and handling and only remove prior to assembly.



Retainer Assembly



Step 1

When using a gasket retainer assembly, axially press the assembly onto the gland as shown. The retainer assembly will locate the gasket over the bead and hold it in place. Be careful not to scratch or nick the bead as this may affect fitting performance.

Proceed to Step 2

Non - Retainer Assembly



Step 1

Place gasket into female nut.



Step 2

Assemble components and snug to fingertight.



Step 3

Scribe the hex flat of both the male and female



Step 4

Holding the backup wrench stationary, tighten the female nut 1/8 turn past fingertight.

Warning: Extreme over tightening will damage toroid surface and cause potential leakage.

Non - Retainer Assembly



Protective Cap

Removing Face Seal in an assembled system requires minimal clearance. To disassemble a face seal connection, hold the male nut or body hex stationary with a backup wrench and loosen the female nut. After removing the components, be sure to protect the sealing beads with protective caps or gasket retainer assemblies.

TK SCT FITTINGS

Weld Fittings / Metal Seal Fittings



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