

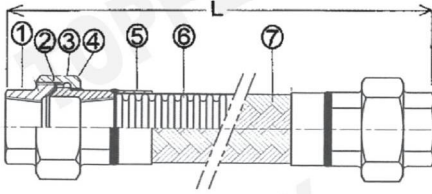
TOPFLEX

STAINLESS STEEL FLEXIBLE JOINT

With Union Ending

Working Pressure 10 bar or up.

Fig. TF-301 (Union)



MATERIALS

DRAWING NO.	DESCRIPTION	MATERIALS (Corrugate) SUS304	MATERIALS (Corrugate) SUS316, 316L, 321
1, 2, 4	Union Screw, Nut, Sleeve	FCMB	FCMB, SUS304, SUS316
3	Packing	Gasket	Gasket
5, 7	Collar, Wire Braid	SUS304	SUS304
6	Corrugated Hose	SUS304	SUS316, SUS316L, SUS321

* Union	Type / Materials	FCMB	SUS	Max. Temperature
	Union Gasket	GASKET	PTFE	220°C
	Union Taper	BRONZE	SUS	250°C

PERFORMANCE OF CORRUGATE WITH BRAID

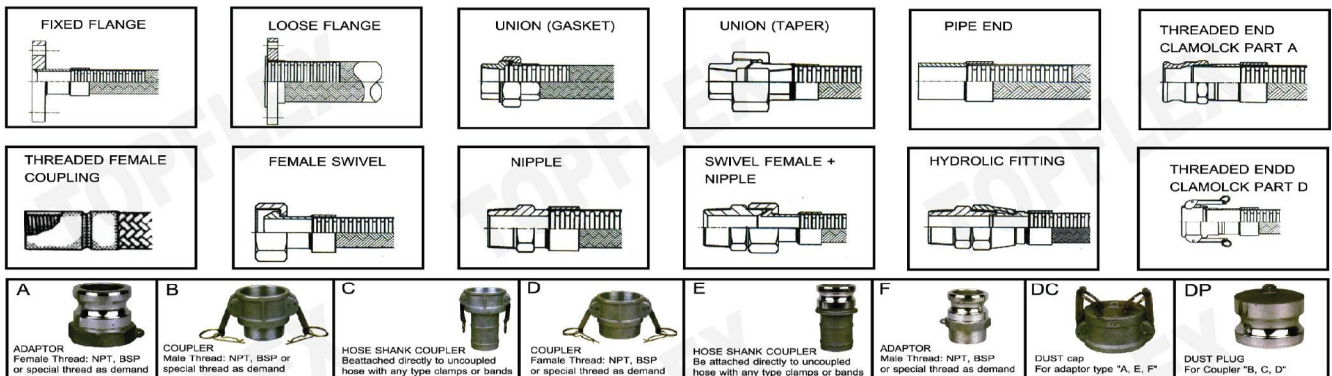
SIZE Inch. (mm)	Dimension (mm.)		Type of Corrugate	Type of Braid	Dynamic Bend Radius (mm.)	Number of Braids	Max. Working Pressure kgf/cm (at 20°C)	
	ID	OD					SUS304	SUS316, 316L, 321
1/4" (8)	6	11.6	Annular	wire	110	1	175	175
		13.5					200	200
3/8" (10)	10	16.5	Annular	wire	160	1	100	100
		18.0					120	120
1/2" (15)	12	22.0	Annular	wire	210	1	95	95
		24.0					105	105
3/4" (20)	20	30.0	Annular	wire	220	1	60	60
		32.0					80	80
1" (25)	25	38.0	Annular	wire	230	1	40	50
		40.0					65	65
1.1/4" (32)	32	46.5	Annular	wire	270	1	40	40
		49.0					60	60
1.1/2" (40)	40	55.0	Annular	wire	310	1	34	40
		58.0					46	58
2" (50)	50	70.0	Annular	wire	340	1	31	35
		73.0					43	45
2.1/2" (65)	65	85.0	Annular	wire	500	1	27	30
		88.0					37	40
3" (80)	80	100.0	Annular	wire	600	1	20	24
		103.0					30	34
4" (100)	100	131.0	Annular	wire	710	1	15	20
		134.0					18	26

Application Fluid : Oil, Water, Hot Water, Steam, Gas, Air, Chemicals, etc.

Remarks : 1. Type of end connection can offer by custom request.

2. Test Pressure at 1.5 of Max. Working Pressure and Burst Pressure at 4 of Max. Working Pressure.

Fig. TF-304



Buna N:
neoprene:

Buna N is standard. It is generally recommended for petroleum derivatives, neutral or slightly acidic salt solutions, alcohols ethers, glycois, fats, oils and greases. This compound should give good service from -40 ° F to +250 ° F
Recommended for alkaline and acid salt solutions and aldehydes such as for maldehyde. For food service. White neoprene is also available. Temperature recommended -40 ° F to +250 ° F