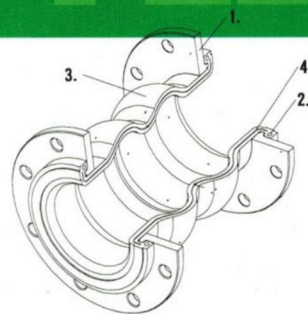


TOPFLEX Series TT

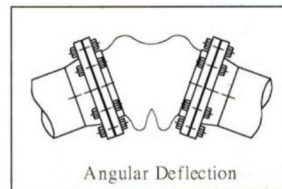
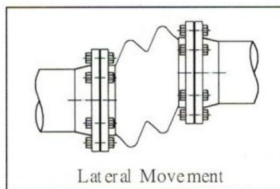
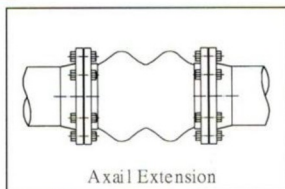
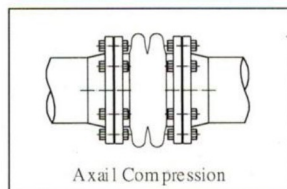
TWIN-SPHERE CONNECTORS (WITH FLANGES)

ITEM	PART	MATERIAL
1	Flanges	SS41 (changeable)
2	Wire	Carbon Steel Wires Strand
3	Elastomer	Special Synthetic Rubber
4	Reinforcing Fabric	Synthetic Fiber

1. Flange
2. Wire
3. Elastomer
4. Reinforcing Fabric
- Twin-Sphere



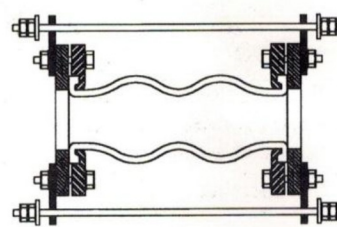
Allowable Movements



Item No.	Size I.D.	L	F ϕ	Compression	Extension	Lateral	Angular
TT-101H	1-1/2 inch (40 mm)	175mm	68mm	50mm	30mm	45mm	35°
TT-102	2 inch (50 mm)	175	86	50	30	45	35°
TT-102H	2-1/2 inch (65 mm)	175	105	50	30	45	35°
TT-103	3 inch (80 mm)	175	115	50	30	45	35°
TT-104	4 inch (100 mm)	225	150	50	35	40	35°
TT-105	5 inch (125 mm)	225	179	50	35	40	35°
TT-106	6 inch (150 mm)	225	210	50	35	40	35°
TT-108	8 inch (200 mm)	325	260	60	35	35	30°
TT-110	10 inch (250 mm)	325	320	60	35	35	30°
TT-112	12 inch (300 mm)	325	367	60	35	35	30°
TT-114	14 inch (350 mm)	350	408	40	30	30	20°
TT-116	16 inch (400 mm)	350	472	40	30	30	20°
TT-118	18 inch (450 mm)	350	522	40	30	30	20°
TT-120	20 inch (500 mm)	350	570	40	30	30	20°

OPERATING CONDITIONS

Size I.D.	1- 1/2" ~ 12"		14" ~ 20"	
	25 mm ~ 300 mm		350 mm ~ 500 mm	
	PSIG	kPa	PSIG	kPa
Working Pressure	300	2,065	150	1,034
Burst Pressure	854	5,884	342	2,353
Vacuum Rating	650 mm/Hg			
Temperature	-20°C ~ 100°C / -4°F ~ 212°F			



WITH CONTROL RODS

Installed with control rods to prevent internal pressure and motion by over limit usage and vacuum for dropping.

Control rods and Reinforcing Ring unit must be installed when pressure (test surge, operating, starting a pump, etc.) exceeds the rating below :

Size I.D.	1-1/2" ~ 4"	5" ~ 10"	12" ~ 14"	16" ~ 20"
	25 mm ~ 100mm	125 mm ~ 250 mm	300 mm ~ 350 mm	400 mm ~ 500 mm
PSIG	150	135	90	45
kPa	1,035	931	621	310

REFERENCE

- Elastomer Materials - Neoprene, Butyl, Nitrile, EPDM, Hypalon, SBR, Natural rubber for your specifications.
- Flange drilling - JIS, DIN, ANSI, BS and other standard drilling for your specifications.
- Applicable fluids - water, warm water, seawater, weak acids, alkalis, etc.
- 1 PSIG = 14.25 kg/cm²

