

Flexible rubber joint Spherical screwed type

TOZENFLEX S

Flexible rubber joint with small diameter.
TOZEN flex has been converted to screwed connection type.



Feature

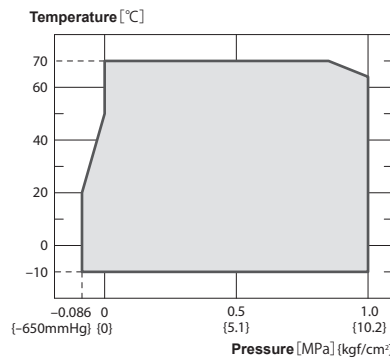
Preventing Torsional Deformation

It won't make the frequent damage of union joint caused by twist of the main unit when the device is attached.

Compact design

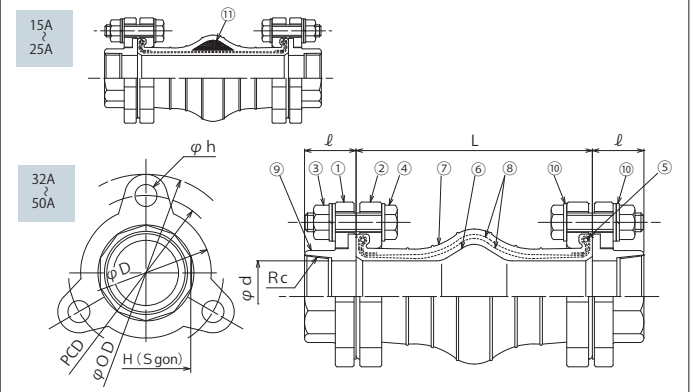
Easy construction with small space by the combination of compact triangular flange and loose type socket.

Operating range (Pressure · Temperature)



● Please use within the operation range of maximum operation pressure and maximum service temperature.

Structure



N.O.	Name	Material	N.O.	Name	Material
①	FlangeA	FCD	⑦	Outer rubber	EPDM (SK10)
②	FlangeB	FCD	⑧	Reinforcing cord	Synthetic fiber
③	Nut	SS400	⑨	Socket	FCD
④	Bolt	SS400	⑩	Flat washer-Spring washer	SS400 · SWRH
⑤	Reinforcing ring	SWRH	⑪	Filling material	Special polymer rubber
⑥	Inner rubber	EPDM (SK10)			

- 15A ~ 25A are buried rubber type with a flat internal surface as left figure shown.
- Buried rubber type for sizes 32A are available upon request.

Material	Standard	FCD
	Change OK	<ul style="list-style-type: none"> × SS400 ○ SUS304 × SUS316 × Polyvinyl chloride

- The fitting by all SUS304 is available, but the flange shape is different.

Dimension and allowable displacement

Nominal diameter	Main body dimension (mm)		Socket dimension (mm)			Flange dimension (mm)				Mass (kg)	Allowable displacement (mm)				Allowable dimension for installation (mm)			
	L	φd	φ	Rc	H gon	φD	PCD	φh	φOD		Lateral displacement	Elongation	Compression	Angular Deflection (°)	Lateral displacement	Elongation	Compression	Angular Deflection (°)
15	140	25	30	1/2	41 (Octagon)	68	70	11.0	93	1.6	10	5	10	15	4	3	6	7.5
20	140	25	30	3/4	41 (Octagon)	68	70	11.0	93	1.7	10	5	10	15	4	3	6	7.5
25	140	25	30	1	41 (Octagon)	68	70	11.0	93	1.9	10	5	10	15	4	3	6	7.5
32	150	40	35	1 1/4	50 (Decagon)	90	95	13.5	121	2.9	20	10	20	15	8	3	6	7.5
40	150	40	35	1 1/2	56 (Decagon)	90	95	13.5	121	3.0	20	10	20	15	8	3	6	7.5
50	150	50	40	2	69 (Decagon)	106	110	13.5	135	5.3	20	10	20	15	8	3	6	7.5

- Please use within allowable displacement range.
- The installation allowance is included in the allowable displacement. (allowable displacement = installation displacement + operation displacement)
- As shown in chart are data of non-concurrent displacement, please make correction for concurrent displacements. For correction method, refer to "Attention for handling or "TOZEN HP".

施工手順

1

Remove the bolts, disassemble flange A and socket from the body.

2

Put the flange A into the connecting pipe.

3

Screw the socket onto the connecting pipe.

4

Connect the Flange A and B with bolts.

Installation precaution for suction side of pump

- When water is pumped up from a water tank which is placed on a level lower than the pump, and for pipelines in which there is always negative pressure developed, trouble can occur. For the above situation, it is recommended to use Tough-Boy or LS connectors (for suction).

This brochure may be revised without prior notice. We apologize in advance for any inconvenience this may cause.

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