

Flexible rubber joint Elbow Type

ELBOFLEX

Flexible rubber joint with one edge longer elbow type. It is designed for construction process.



Feature

Saving space and cost

Elbowflex, having both features of elbow and flexible joint, can offer you saving space and cost.

One edge longer elbow

Elbowflex (32A ~150A) can be attached facing to the equipment with any side of longer or shorter elbow.

Made to order for large diameter

200A ~ 450A are made to order. It can be arranged for the measurement based on workplace condition.

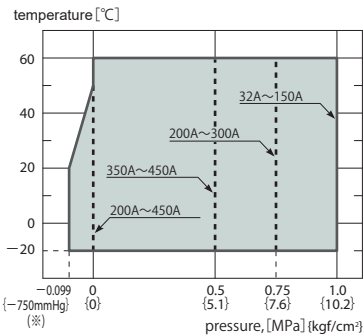
Pressure resistance

Elbowflex allows that maximum working pressure is up to 1.0MPa {10.2kgf/cm²}, and negative pressure -0.099MPa {-750mmHg} by particular manufacture.

Deformation is designed to be minimum caused by inner pressure.

※Please contact us if negative pressure occurs.

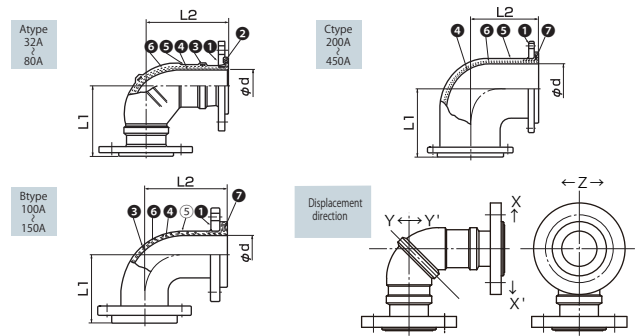
Operation range (pressure, temperature)



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

- The range of operating conditions depends on the flange standard.

Structure



NO.	Name	Material	NO.	Name	Material
①	Flange	SS400	⑤	Outer rubber	EPDM (SK10)
②	Reinforcing ring	SWRH	⑥	Reinforcing cord	Synthetic fiber
③	Reinforcing ring	SWRH	⑦	Reinforcing ring	SS400
④	Inner rubber	EPDM (SK10)			

Flange compatible dimension	Standard	JIS10K	
	Change OK	<ul style="list-style-type: none"> ○ JIS5K ○ JIS20K ○ ANSI 	<ul style="list-style-type: none"> 20A*25A can't be manufactured 32A can't be manufactured
Material	Standard	SS400	
	Change OK	<ul style="list-style-type: none"> ○ FCD ○ SUS304 ○ SUS316 × Polyvinyl chloride 	

Dimension and allowable displacement

Type	Nominal diameter	Main body dimension (mm)			Mass (kg)	Allowable displacement (mm)						Allowable dimension for installation (mm)					
		L1	L2	φd		X	X'	Y	Y'	Z	Angular Deflection (°)	X	X'	Y	Y'	Z	Angular Deflection (°)
A	32	120	140	40	3.2	20	15	15	20	±15	15	8	6	6	8	±6	5
	40	120	140	40	3.4	20	15	15	20	±15	15	8	6	6	8	±6	5
	50	120	140	50	4.1	20	15	15	20	±15	15	8	6	6	8	±6	5
	65	140	160	65	5.5	20	15	15	20	±15	15	8	6	6	8	±6	5
	80	150	170	75	5.8	20	15	15	20	±15	15	8	6	6	8	±6	5
B	100	160	190	100	9.2	20	15	15	20	±15	15	8	6	6	8	±6	5
	125	180	215	125	14.0	20	15	15	20	±15	15	8	6	6	8	±6	5
	150	210	250	150	21.0	20	15	15	20	±15	15	8	6	6	8	±6	5
C	200	250		200	28.0	20	15	15	20	±15	15	8	6	6	8	±6	5
	250	280		250	34.0	20	15	15	20	±15	15	8	6	6	8	±6	5
	300	280		300	38.0	20	15	15	20	±15	15	8	6	6	8	±6	5
	350	340		350	52.0	20	15	15	20	±15	15	8	6	6	8	±6	5
	400	400		400	64.0	20	15	15	20	±15	15	8	6	6	8	±6	5
	450	450		450	78.0	20	15	15	20	±15	15	8	6	6	8	±6	5

- Mass is the data when flange is JIS10K flange.
- 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".

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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