

Single-Sphere Flexible Rubber Joint with Floating Flanges

# OFLEX

Pursuing the TOZEN spirit, "A joint reliance", TOZEN's rubber joint OFLEX ensures ease of use.



## Feature

### Achievements

Having been used in more than 20 countries for over 30 years, TOZEN brand products proudly demonstrate their popularity.

### Reliability

Unparalleled durability is guaranteed by the distinctive and strict design standards of TOZEN.

### Quality

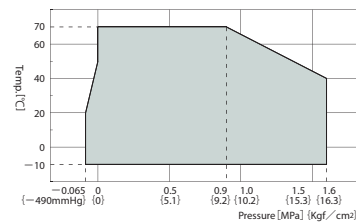
Manufactured in TOZEN's own factory under thorough control with ISO9001 quality management system.

### Durability

Reciprocating pressure test for 20,000 cycles or above.

## Operating Conditions and Performance

### Working Temperature vs. Working Pressure



### Bursting Pressure:

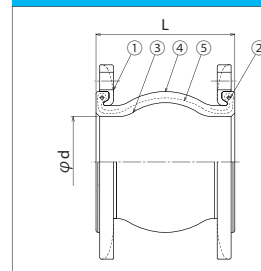
4.8MPa or above at normal temp.

The range of operating conditions depends on the flange standard.

## Applications

- This product is mainly applicable for piping systems in commercial and industrial buildings and plants.
- Applicable fluids are exclusively water including cold water, warm water, cooled water, sea water, etc.
- This product can not be used for drinking water, pool water, oil, or boiled water.

## Structure



No.	Parts	Material
①	Flange	Mild Steel / Ductile Iron
②	Reinforcing Ring	Carbon Steel
③	Inner Rubber	Synthetic Rubber
④	Outer Rubber	Synthetic Rubber
⑤	Reinforcing Cord	Synthetic Fiber

- Flanges with mild steel and ductile iron in JIS10K, ANSI150, PN16 are standard. For other flanges, please consult us.
- Flange material can be changed to SUS304 and SUS316.
- Flange material for ANSI150 32mm is mild steel only.

## Dimensions and Allowable Movements

Nominal Dia.		Dimension [mm]		Mass [Kg]	Allowable Movement [mm]				Installation Tolerances [mm]			
mm	inch	L	φd		T.M.	A.E.	A.C.	A.M.	T.M.	A.E.	A.C.	A.M.
32	1 1/4	125	35	3.1	10	6	10	10°	4	3	6	5°
40	1 1/2	125	35	3.7	10	6	10	10°	4	3	6	5°
50	2	125	45	4.9	10	7	10	10°	4	3	6	5°
65	2 1/2	125	60	5.8	10	7	10	10°	4	3	6	5°
80	3	125	70	7.2	10	7	10	10°	4	3	6	5°
100	4	150	95	8.1	10	10	10	7°	4	3	6	3°
125	5	175	120	11	10	10	10	7°	4	3	6	3°
150	6	200	145	14	10	12	10	5°	4	3	6	2°
200	8	200	195	20	10	12	10	5°	4	3	6	2°
250	10	250	245	28	10	15	10	5°	4	3	6	2°
300	12	250	290	37	10	15	10	5°	4	3	6	2°



Note: The content of this catalog is subject to change without prior notice.

AGENT

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Reciprocating pressure test