

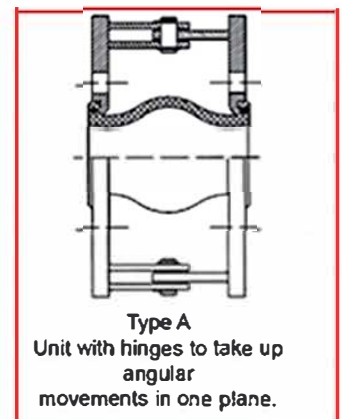
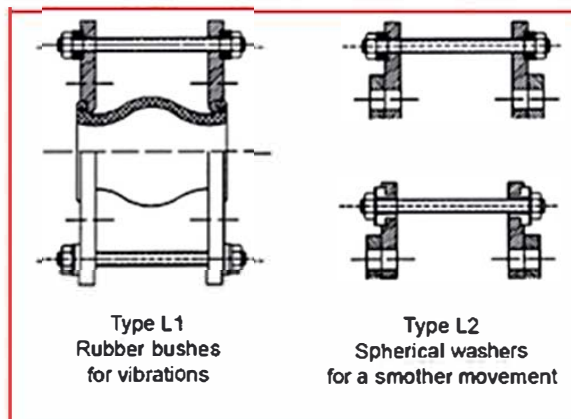
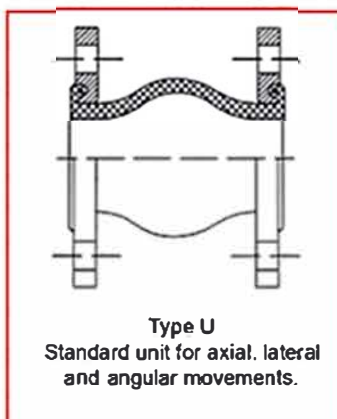
## Applications

- For applications in industrial and residential pipe systems
- Compensate thermal elongation and misalignment
- Isolate vibrations, dampen noise and pressure surges in connection with engines, pumps, turbines
- Precisely moulded bellow of synthetic rubber with nylon reinforcement
- Various rubber and flange qualities
- Withstand high pressure
- Good performance and long service life
- Turnable flanges – easy to install

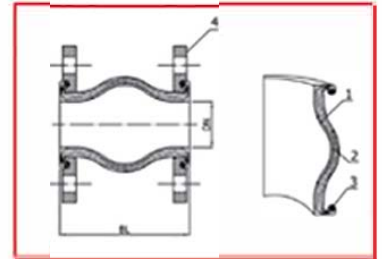


Colour label	Inner tube	Outer cover	Max. temp.	Applications
Red	EPDM	EPDM	90°C	Hot water, cooling water with salt solutions, chlorine solutions, esters and ketones.
Yellow	ECO	ECO	90°C	Water, salt solutions, alkalis, mineral oils, vegetable or animal oils, oils aerosols, butane or propane gas, etc.
White	Nitrile white	ECO	90°C	Drinking water, food and beverages. Including fats and oils.
Green	Hypalon	Chloroprene	90°C	Strong and/or concentrated acids, etc. Compressed air that bears oil aerosols.
Blue	SBR	Chloroprene	90°C	Wearing material such as sludge suspended stone, calcium.

Note: Other materials available. Please ask.



1	Bellow	Synthetic rubber
2	Reinforcement	Nylon cord
3	Wire	Hard steel
4	Flanges	Carbon steel galvanized according to DIN 2501 PN10 or PN16 Other flange standards are available on request



### Dimensions and movements

DN mm	BL mm	Eff. cross-sectional area Q (cm <sup>2</sup> )	Permissible movements				Max. vacuum		Weight	
			Comprssion mm	Elongation mm	Lateral +/- mm	Angular +/- o	W/o support ring bar	With support ring bar	Incl. flange kg	Incl. tied flanges kg
32	150	24	30	20	20	35	0,8	1,0	3	4
40	150	45	30	20	20	35	0,8	1,0	3	5
50	150	46	30	20	20	35	0,8	1,0	4	6
65	150	82	30	20	20	30	0,8	1,0	5	7
80	150	110	30	20	20	30	0,5	1,0	6	8
100	150	163	30	20	20	25	0,5	1,0	7	10
125	150	228	30	20	20	25	0,5	1,0	8	12
150	150	321	30	20	20	15	0,5	1,0	10	16
200	200	549	30	20	20	15	0,3	1,0	15	24
250	200	766	30	20	20	10	0,3	1,0	20	34
300	200	975	30	20	20	10	0,3	1,0	24	45
350	200	1290	30	20	20	10	0,3	1,0	32	54
400	200	1628	30	20	20	10	0,3	1,0	45	71
450	200	2054	30	20	20	10	0,3	1,0	52	81
500	200	2546	30	20	20	10	0,3	1,0	63	100
600	200	3466	30	20	20	6	0,3	1,0	95	140
700	275	4500	40	25	30	5	0,3	1,0	125	347
800	275	5600	40	25	30	4	0,2	1,0	160	406
900	300	7000	40	25	30	4	0,2	1,0	175	456
1000	300	8500	40	25	30	3	0,1	1,0	210	490

Note: Maximum values do not apply simultaneously.

**Optional equipment:** Teflon lining (PTFE). Vacuum rings (stainless steel).

Flame guard etc. are available on request.

### Pressure rating

Condition	Temperature	Pressure DN 25-300	Pressure DN 350-1000
Max. working pressure	70°C 90°C	16 bar 10 bar	10 bar 8 bar
Test pressure	20°C	25 bar	15 bar
Burst pressure	20°C	>50 bar	>30 bar

### Certificates



Distribution:  
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