

## Applications

For all types of industrial applications, residential houses, industrial plants, industrial premises as well as heating and sanitary applications.

Compensate for thermal elongation and misalignment.

Isolate vibrations, dampen noise and pressure surges in connection with engines, pumps, turbines etc.

## Design

A moulded rubber bellows that combines elastic properties of rubber with various types of reinforcement to provide a flexible pipe joint that is easy to install providing good performance and a long service life.

Building length 150/200/275/300 mm.

Turnable flanges.

# Teguflex® W

## Expansion Joints

DN 25-DN 1000



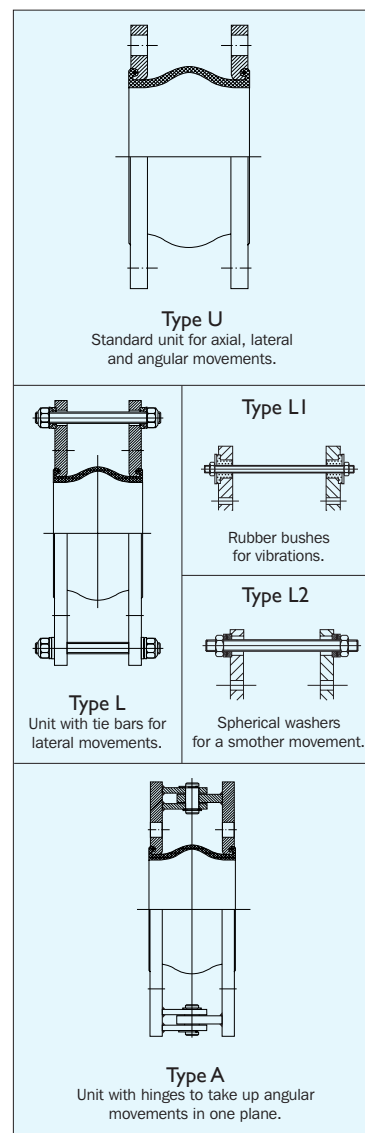
## Materials

Colour Label	Inner tube	Outer cover	Max temp. °C	Applications
Red	EPDM	EPDM	90°	Hot water, cooling water with salt solutions, chlorine solutions, esters and ketones.
Yellow	ECO	ECO	90°	Water, salt solutions, alkalis, mineral oils, vegetable or animal oils, oils aerosols, butane or propane gas, etc.
White	Nitrile white	ECO	90°	Drinking water, food and beverages. Including fats and oils.
Green	Hypalon	Chloroprene	90°	Strong and/or concentrated acids, etc. Compressed air that bears oil aerosols.
Blue	SBR	Chloroprene	90°	Wearing material such as sludge suspended stone, calcium.
Double red HP	Spec. EPDM	Spec. EPDM	130°	Hot water, vapour, hot air, etc. at temperatures up to 130°C.

Note: Other materials available. Please ask.

## Pressure rating

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



# Teguflex W BL 150-300 DN 25-DN 1000

## Flange qualities

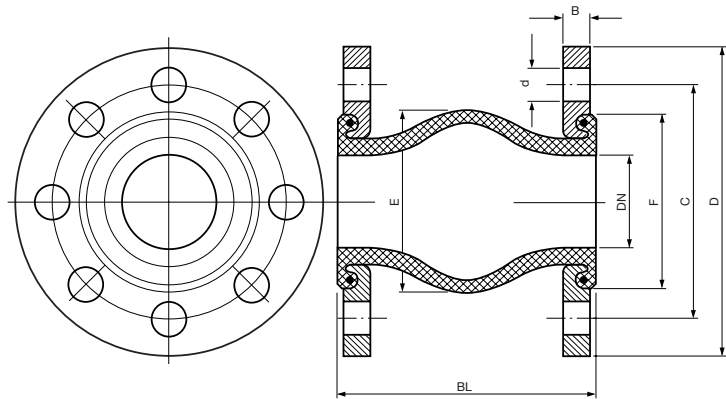
Yellow cromated steel flanges are supplied as standard, however other types are available: stainless steel, hot dipped galvanized, etc.

## Flange measurements

DN 32-DN 1000 DIN 2501 PN 6/10/16

(see Flange dimension table for details)

Other flange standards available. Please ask.



## Dimensions and movements

DN mm	BL mm	Eff. cross-sectional area Q(cm <sup>2</sup> )	(E) mm	(F) mm	Permissible movements				Max. vacuum		Weight		Spring rates		
					Compression mm	Elongation mm	Lateral mm	Angular	W/o support ring bar	With support ring bar	Incl. flange kg	Incl. tied flanges kg	Compression Stiffness kg/cm	Elongation Stiffness kg/cm	Lateral Stiffness kg/cm
32	150	24	77	72	30	20	20	35°	0.8	1.0	3	4	50	75	50
40	150	45	85	80	30	20	20	35°	0.8	1.0	3	5	50	75	50
50	150	46	95	90	30	20	20	35°	0.8	1.0	4	6	50	75	50
65	150	82	110	105	30	20	20	30°	0.8	1.0	5	7	50	75	50
80	150	110	125	120	30	20	20	30°	0.5	1.0	6	8	50	75	60
100	150	163	145	140	30	20	20	25°	0.5	1.0	7	10	65	85	65
125	150	228	170	165	30	20	20	25°	0.5	1.0	8	12	65	85	65
150	150	321	195	190	30	20	20	15°	0.5	1.0	10	16	75	100	75
175	150	435	225	215	30	20	20	15°	0.5	1.0	13	19	75	100	75
200	200	549	245	240	30	20	20	15°	0.3	1.0	15	24	100	150	100
225	150	657	270	265	30	20	20	15°	0.3	1.0	15	24	100	150	100
250	200	766	295	290	30	20	20	10°	0.3	1.0	20	34	100	150	100
300	200	975	345	340	30	20	20	10°	0.3	1.0	24	45	100	150	100
350	200	1290	430	425	30	20	20	10°	0.3	1.0	32	54	100	150	100
400	200	1628	475	470	30	20	20	10°	0.3	1.0	45	71	100	150	100
450	200	2054	532	510	30	20	20	10°	0.3	1.0	52	81	150	200	150
500	200	2546	590	560	30	20	20	10°	0.3	1.0	63	100	150	200	150
600	200	3466	685	655	30	20	20	6°	0.3	1.0	95	140	175	250	175
700	275	4500	820	778	40	25	30	5°	0.3	1.0	125	347	175	250	175
800	275	5600	920	878	40	25	30	4°	0.2	1.0	160	406	200	300	200
900	300	7000	1060	988	40	25	30	4°	0.2	1.0	175	456	200	300	200
1000	300	8500	1160	1088	40	25	30	3°	0.1	1.0	210	490	225	350	225

Note: Maximum values do not apply simultaneously. Stiffness values tolerance: +/- 20%.

## Optional equipment

Vacuum rings (stainless steel), Flame guard, etc. are available.

## Approvals



Distributor:

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