

Dimensions standard program

DN	BL	Pressure rate at 20 °C bar	ø di Bellows inner ø	ø W Convolution ø unpressurized mm	ø C Raised face ø		h Rubber rim thickness		ø D Flange outer ø			b Flange thickness
					Type D-11 mm	Type D-12 Type D-30 mm	Type D-11 mm	Type D-12 Type D-30 mm	DIN 2501 PN 10 mm	DIN 86044 mm	EN 12220 mm	
300	150	0.70	300	350	370	340	12	15	445	440	363	10
400	150	0.50	400	450	470	440	12	15	565	540	464	10
500	150	0.40	500	550	570	540	12	15	670	645	564	10
600	150	0.33	600	650	670	640	12	15	780	754	-	10
700	150	0.28	700	750	770	740	12	15	895	856	-	10
800	150	0.25	800	850	870	840	12	15	1015	958	874	10
900	150	0.22	900	950	970	940	12	15	1115	1060	974	10
1000	150	0.20	1000	1050	1070	1040	12	15	1230	1162	1075	10
1100	150	0.18	1100	1150	1170	1140	12	15	1345	1266	-	10
1200	150	0.17	1200	1250	1270	1240	12	15	1455	1366	-	10
1300	150	0.15	1300	1350	1370	1340	12	15	1565	1466	-	10
1400	150	0.14	1400	1450	1470	1440	12	15	1675	1566	-	10
1500	150	0.13	1500	1550	1570	1540	12	15	1795	1666	-	10
1600	150	0.12	1600	1650	1670	1640	12	15	1915	1766	-	10
1700	150	0.11	1700	1750	1770	1740	12	15	2015	1866	-	10
1800	150	0.10	1800	1850	1870	1840	12	15	2115	1966	-	10
1900	150	0.10	1900	1950	1970	1940	12	15	2220	2066	-	10
2000	150	0.10	2000	2050	2070	2040	12	15	2325	2166	-	10

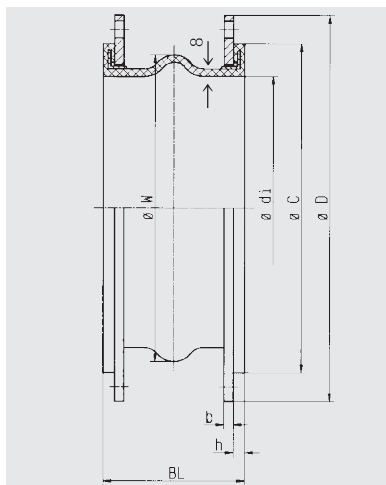
Other sizes up to DN 7500 on request.

Movement compensation/bellows cross sectional area

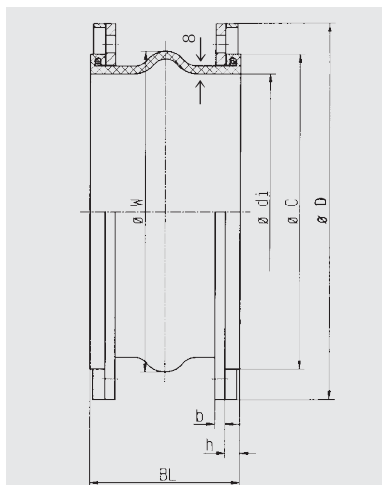
DN	Δ ax Axial movement		C ax Spring rate axial		Δ lat Lateral movement +/- mm	C lat Spring rate lateral N/mm	A* Effective bellows cross sectional area cm²
	Compression -mm	Elongation +mm	Compression -mm	Elongation +mm			
300	25	15	12	45	20	15	750
400	25	15	15	60	20	20	1300
500	25	15	20	75	20	25	2000
600	25	15	23	90	20	30	2900
700	25	15	27	105	20	35	3900
800	25	15	30	120	20	40	5100
900	25	15	35	135	20	45	6400
1000	25	15	39	150	20	51	7900
1100	25	15	43	165	20	57	9600
1200	25	15	47	180	20	63	11500
1300	25	15	50	195	20	70	13400
1400	25	15	54	210	20	77	15500
1500	25	15	58	225	20	85	17800
1600	25	15	62	240	20	93	20300
1700	25	15	66	255	20	102	22800
1800	25	15	70	270	20	112	25700
1900	25	15	74	285	20	123	28600
2000	25	15	78	300	20	135	31700

*Effective bellows cross sectional area is a theoretical value.

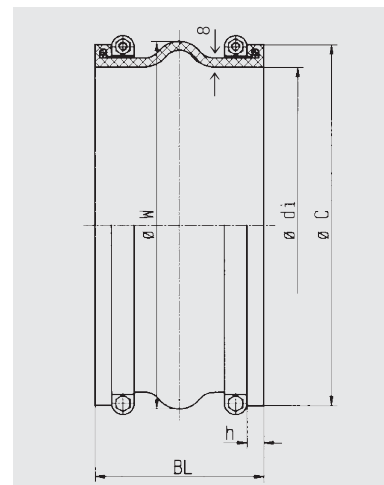
Versions



Type D-11 with flanges



Type D-12 with flanges



Type D-30 with tightening straps