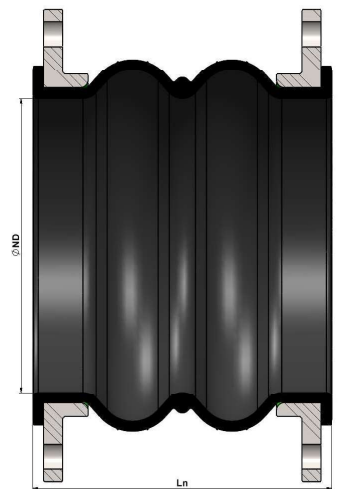
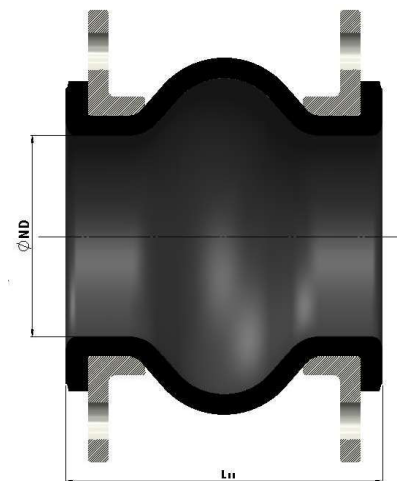


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Nominal Diameter		Nominal Length (Ln)	Drilling Standards ⁽¹⁾ NF EN 1092-1		NF EN 1759-1/ASME B16.5	Max. W.P. ⁽²⁾⁽³⁾	Steel Ring Required for Vacuum Greater than ...% Vacuum	Max. Permissible Movements (maximum values do not apply simultaneously)				End Thrust for P=1 bar at Ln	Approximate Weight (steel flanges PN PN16)
								 Axial Compression	 Axial Elongation	 Lateral Shearing	 Angular Angle		
ND		Ln (mm)	PN 10	PN 16	PN20 CL150	WP (bar)		Ln-Lc (mm)	Le-Ln (mm)	R (mm)	α° (degree)	(daN)	(kg)
32	1 1/4	150	X		-	16	100%	30	30	30	20	48	2,4
40	1 1/2	150	X		X	16	100%	30	30	30	20	48	2,6
50	2	150	X		X	16	30%	30	30	30	20	38	3,2
65	2 1/2	150	X		X	16	30%	30	30	30	20	43	3,8
80	3	150	X		X	16	30%	30	30	30	20	68	4,3
100	4	150	X		X	16	30%	30	30	30	20	100	5,5
125	5	150	X		X	16	30%	30	30	30	10	145	7,2
150	6	150	X		X	16	30%	30	30	30	10	213	9,2
150	6	200	X		X	16	30%	30	30	30	10	213	11
175		150	X			16	30%	30	30	30	10	310	10,8
200	8	150	X	X	X	16	30%	30	30	30	10	403	12,2
200	8	200	X	X	X	16	30%	30	30	30	10	403	15,4
250	10	200	X	X	X	16	30%	30	30	30	10	486	19,9
250	10	300	X	X	X	16	30%	60	60	45	25	486	20,8
300	12	200	X	X	X	16	30%	30	30	30	10	606	28,3
300	12	300	X	X	X	16	30%	60	60	45	22	606	29,3
350	14	200	X	X	X	16	30%	30	30	30	9	727	33,1
350	14	300	X	X	X	16	30%	60	60	45	18	727	34,3
400	16	200	X	X	X	16	30%	30	30	30	8	847	40,2
400	16	300	X	X	X	16	30%	60	60	45	16	847	41,6
450	18	200	X	X	X	16	30%	30	30	30	7	962	47,3
450	18	300	X	X	X	16	30%	60	60	45	14	962	48,9



(1) Other drillings available (e.g. PN 6, PN 25, PN40, CL300, B.S.10D, B.S.10E).

Floating flanges in zinc-chromated or stainless steel (316L).

(2) Limited to the nominal pressure of the used drilling standard.

(3) Particular cases:

DW grade: W.P. 12 bar at +105 °C max. and W.P. 16 bar at +90 °C max.

CC grade: W.P. 10 bar at +110 °C max. and W.P. 16 bar at +90 °C max.

Inner lining grade and working temperature

CC -35 °C
+90 °C/110 °C

DW -25 °C
+90 °C/105 °C

EPC -25 °C
+95 °C

AR/CN -35 °C
+90 °C

GZ -20 °C
+90 °C

YP -25 °C
+100 °C

AB -35 °C
+100 °C

TE -25 °C
+100 °C