

GROOVED EXPANSION JOINTS PN16 - prosystemitalia.com

GROOVED EXPANSION JOINTS PN16 - Group 0222



Application

Axial expansion joints with multi-walled grooved connections.

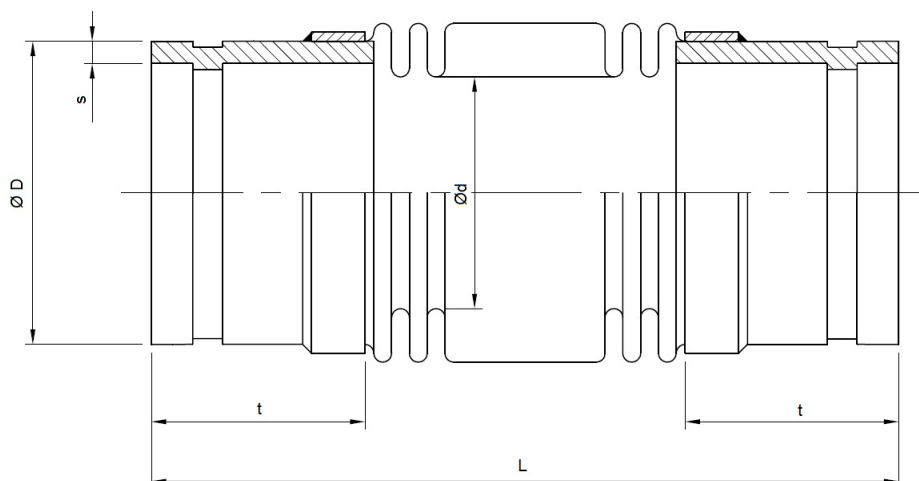
Installation

Check installation instructions, in particular check if a pre-tensioning of the compensator is required following the stress-analysis.

Technical data

Material:

- Bellows: ASTM A 240 AISI 321;
- Internal flow sleeve: ASTM A 240 AISI 304;
- Couplings: carbon steel.



Type [DN]	Diam. [inch]	L [mm]	ØD [mm]	s [mm] ; Ød [mm]	t [mm]	R _{ass} +20% [N/mm]	R _{lat} +20% [N/mm]	Ae [cm ²]	
40	1" 1/2	275	48,3	2,50	40	100	85	50	12
50	2"	280	60,3	2,90	50	100	55	50	29
65	2" 1/2	290	76,1	2,90	65	100	140	150	44
80	3"	290	88,9	2,90	80	100	165	250	61
100	4"	315	114,3	4,50	100	100	125	180	101
125	5"	315	139,7	4,50	125	100	155	340	148
150	6"	315	168,3	4,50	150	100	190	625	219
200	8"	350	219,1	5,90	200	100	355	840	367

R_{ass} = Axial stiffness

R_{lat} = Side stiffness

Ae = Real section

Type [DN]	Axial race tot [mm]	Axial race (elongation) [mm]	Axial race (compression) [mm]
40	21	5	16
50	24	6	18
65	24	6	18
80	24	6	18
100	33	8	25
125	33	8	25
150	33	8	25
200	40	10	30

Tipo	Kg	Pezzi per confezione	Codice Articolo
48,3 mm 1"½	0	1	MHS240
60,3 mm 2"	0	1	MHS250
76,1 mm 2"½	1	1	MHS265
88,9 mm 3"	0	1	MHS280
114,3 mm 4"	4	1	MAS2100
139,7 mm 5"	0	1	MAS2125
168,3 mm 6"	0	1	MAS2150
219,1 mm 8"	0	1	MAS2200