

VIBRATION ABSORBER EXPANSION JOINTS

VIBRATION ASBORBER EXPANSION JOINTS WITH LIMIT ROD

MTE-710



TECHNICAL DATA

Connection	Rotary Flanged - Döner Flanş
Design standard	EN 13445, EN 13480, EN 14917; ASME VIII, div.I, ASME B31.3; ASME B31.1, EJMA
Working pressure	PN16 (Optional / Opsiyonel; PN25, PN40)
Working temperature	-80/+427°C (Optional / Opsiyonel; -80/+1100°C) Hvac System, Air Compressors, Plumbing System, Pumps, Hot Air Pipelines, Chemical Factories,
Nominal diameter	DN 25 (1") - DN 5000 (200")
Bellows material	AISI 304 Stainless Steel - Paslanmaz Çelik (Optional / Opsiyonel; AISI 316L/316Ti/321)
Connection material	ST37.2 Carbon Steel - Karbon Çelik (Optional / Opsiyonel; AISI 316L/316Ti/321)

WHAT IT DOES

Vibration-damping bellows compensators are flexible coupling elements used on the inlet and outlet lines of equipment that generates high-frequency vibrations—such as pumps, compressors, motors, and fans—to dampen mechanical vibrations and noise. Their limited-rotation design stabilizes the axial thrust force caused by fluid pressure, preventing the bellows from opening excessively and minimizing the load on fixed supports. These products operate by absorbing only vibrations and lateral deflections while restricting axial movement in the piping system; in this way, they protect sensitive equipment from mechanical fatigue, thereby increasing the operational life and safety of the entire system.

This text is taken from the company's printed catalog and applies to the entire product family.

DIMENSION TABLE

Size / Ölçü	MTE - 710-30									
	Ød	Øk	Ød4	f	b	Ødxn	Ødi	Ødo	L	kg
DN25	115	85	68	2	16	Ø14x4	38	48,2	120	3,20
DN32	140	100	78	2	16	Ø18x4	42,2	55	125	5,00
DN40	150	110	88	3	16	Ø18x4	48,3	61	130	6,00
DN50	165	125	102	3	18	Ø18x4	60,3	76	120	7,80
DN65	185	145	122	3	18	Ø18x8	76,1	95	120	9,60
DN80	200	160	138	3	20	Ø18x8	88,9	111	120	10,40
DN100	220	180	158	3	20	Ø18x8	114,3	140	130	11,80
DN125	250	210	188	3	22	Ø18x8	139,7	164	140	16,40
DN150	285	240	212	3	22	Ø22x8	168,3	200	155	21,00
DN200	340	295	268	3	24	Ø22x12	219,1	250	150	25,00
DN250	405	355	320	3	26	Ø26x12	273	323	160	38,00
DN300	460	410	378	4	28	Ø26x12	380	380	160	46,00

MATERIAL LIST

No	Part	Qty	Material
1	Bellow / Körük	1	AISI 304/321
2	Flange / Flanş	2	AISI 304/321
3	Lug / Kulak	6	St. 37.2

No	Part	Qty	Material
4	Nut / Somun	12	St. 37.2
5	Stud / Saplama	3	St. 37.2

PENDING REVIEW

At least one data plate field of this product could not be read from the source catalog and was left blank. Blank fields have not been estimated. Please confirm the values with the company before a binding offer.

DATA SOURCE

Metroend-Kompansator-Katalogu.pdf · printed page 38 (PDF 38)

All content in this datasheet is taken from the catalog page referenced above; values are transferred verbatim, with no estimation or unit conversion. It contains no price or stock information.

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