

GIMBAL TYPE EXPANSION JOINTS

GIMBAL TYPE FLANGED EXPANSION JOINTS

MTE-610



TECHNICAL DATA

Connection	Rotary Flanged - Döner Flanşlı
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)
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

Kardan-type articulated seismic compensators are safety devices that dampen large triaxial (X, Y, Z) angular and lateral movements caused by earthquakes, ground subsidence, and expansion joints. Their double-bellows, articulated design absorbs the axial thrust generated by fluid pressure within the unit itself, preventing the transfer of load to fixed supports. With their ability to flex in all directions, these products eliminate the risk of pipe line fractures; they are used as critical safety components in fire protection systems, gas installations, and industrial building transitions in seismic zones.

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

DIMENSION TABLE

MTE-610-100

MTE-610-200

MTE-610-300

MTE-610-400

Size / Ölçü	kolon_2	Ødi	H	ØD	Øk Ød4f	b	Ød2xn	±X	±Y ±Z	L	kg	±Y	±Z	L	kg	±Y	±Z	L	kg	±Y	±Z	L	kg
DN25		38	145	115 85	68	2 16	Ø14x4	50	50 50	720	6,50		100 100	920	7,00	150	150	1120	7,50		200200	1320	7,90
DN32		42,4	145	140 100	78	2 16	Ø18x4	50	50 50	720	7,90		100 100	920	8,40	150	150	1120	8,90		200200	1320	9,40
DN40		48,3	145	150 110	88	3 16	Ø18x4	50	50 50	720	8,90		100 100	920	9,50	150	150	1120	10,10		200200	1320	10,70
DN50		60,3	170	165 125		102 3 18	Ø18x4	50	50 50	800		12,80 100 100		1000	13,70	150	150	1200			14,50 200200 1420		15,40
DN65		76,1	200	185 145		122 3 18	Ø18x8	50	50 50	800		18,00 100 100		1000	19,10	150	150			1250 20,50 200200 1500			21,80
DN80		88,9	215		200 160 138 3 20		Ø18x8	50	50 50	830		21,30 100 100		1030	22,70	150	150	1270			24,20 200200 1500		25,90
DN100		114,3		260 220 180		158 3 20	Ø18x8	50	50 50	850		27,80 100 100		1050	30,80 150		150			1300 33,30 200200 1550			36,30
DN125		139,7		285 250 210		188 3 22	Ø18x8	50	50 50	980		40,00100 100		1180	42,30 150		150			1480 46,50 200200 1780			50,80
DN150		168,3		350 285 240 212 3 22			Ø22x8	50	50 50	980		57,80 100 100		1180	61,50	150	150			1700 67,00 200200 1780			72,90

Size / Ölçü	kolon_2	Ødi	H	ØD	Øk Ød4f	b	Ød2xn	±X	±Y ±Z	L	kg	±Y	±Z	L	kg	±Y	±Z	L	kg	±Y	±Z	L	kg
DN200		219,1		440 340 295 268 3 24			Ø22x12	50	50 50	1140		96,60 100 100			1340 103,30 150		150				1700 115,50 200200 2050 125,50		
DN250		273		560 405 355 320 3 26			Ø26x12	50	50 50	1140		140,10 100 100			1340 148,50 150		150				1700 163,70200200 2100 176,40		
	DN300 323,9			620 460 410 378 4 28			Ø26x12	50			50 50 1200 184,20100 100				1400 195,50 150		150				1760 215,80200200 2160 235,00		

MATERIAL LIST

No	Part	Qty	Material
1	Bellow / K�r�k	2	AISI 304/321
2	Band / Bant	4	AISI 304/321
3	Intermediate Pipe / Ara Boru	1	St. 37.2
4	Butt Weld / Kaynak Boyun	2	St. 37.2
5	Flange / Flanş	2	St. 37.2
6	Gimbal / Mafs�l	2	St. 37.2
7	Collar / Yaka	1	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 30 (PDF 30)

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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