

GIMBAL TYPE EXPANSION JOINTS

GIMBAL TYPE BUTT WELD EXPANSION JOINTS

MTE-630



TECHNICAL DATA

Connection	Butt Weld - Kaynak Boyunlu
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.

WHERE IT IS USED

- All piping systems in high-seismic-risk areas
- and fire protection systems
- all building penetrations and dilatation applications

DIMENSION TABLE

MTE-630-100

MTE-630-200

MTE-630-400

Size / Ölçü	Ødi	H	±X	±Y	±Z	L	kg	±Y	±Z	L	kg	±Y	±Z	L	kg	±Y	±Z	L	kg
DN25	38	145	50	50	50	710	4,20	100	100	910	4,70	150	150	1110	5,10	200	200	1310	7,90
DN32	42,4	145	50	50	50	710	4,40	100	100	910	5,00	150	150	1110	5,50	200	200	1310	9,40
DN40	48,3	145	50	50	50	710	5,10	100	100	910	5,70	150	150	1110	6,30	200	200	1310	10,70
DN50	60,3	170	50	50	50	785	7,70	100	100	985	8,50	150	150	1185	9,40	200	200	1405	15,40
DN65	76,1	200	50	50	50	785	11,60	100	100	985	12,70	150	150	1235	14,00	200	200	1485	21,80
DN80	88,9	215	50	50	50	815	13,40	100	100	1015	14,80	150	150	1255	16,30	200	200	1485	25,90
DN100	114,3	260	50	50	50	835	20,20	100	100	1035	22,20	150	150	1285	24,70	200	200	1535	36,30
DN125	139,7	285	50	50	50	960	27,50	100	100	1160	30,20	150	150	1460	34,30	200	200	1760	50,80
DN150	168,3	350	50	50	50	960	43,50	100	100	1160	47,20	150	150	1460	52,70	200	200	1760	72,90

Size / Ölçü	Ødi	H	±X	±Y	±Z	L	kg	±Y	±Z	L	kg	±Y	±Z	L	kg	±Y	±Z	L	kg
DN200	219,1	440	50	50	50	1120	76,40	100	100	1320	83,00	150	150	1680	95,20	200	200	2035	125,50
DN250	273	560	50	50	50	1120	111,10	100	100	1320	119,60	150	150	1680	134,80	200	200	2080	176,40
DN300	323,9	620	50	50	50	1130	146,40	100	100	1380	157,80	150	150	1740	178,00	200	200	2140	235,10

MATERIAL LIST

No	Part	Qty	Material
1	Bellow / Körük	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	Gimbal / Mafsals	2	St. 37.2

DATA SOURCE
Metroend-Kompansator-Katalogu.pdf · printed page 32 (PDF 32)
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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