

GIMBAL TYPE EXPANSION JOINTS

GIMBAL TYPE GROOVED EXPANSION JOINTS

MTE-650



TECHNICAL DATA

Connection	Grooved - Yivli
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
- all building penetrations and dilatation applications
- and fire protection systems

DIMENSION TABLE

MTE-650-100

MTE-650-200

MTE-650-300

MTE-650-400

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	690	4,40	100	100	890	5,00	150	150	1090	5,50	200	200	1290	5,90
DN32	42,4	145	50	50	50	690	4,70	100	100	890	5,20	150	150	1090	5,70	200	200	1290	6,20
DN40	48,3	145	50	50	50	690	5,40	100	100	890	6,00	150	150	1090	6,60	200	200	1290	7,10
DN50	60,3	170	50	50	50	765	8,10	100	100	965	8,90	150	150	1165	9,80	200	200	1365	10,60
DN65	76,1	200	50	50	50	755	12,60	100	100	955	13,60	150	150	1155	15,00	200	200	1355	16,30
DN80	88,9	215	50	50	50	785	14,40	100	100	985	15,80	150	150	1185	17,30	200	200	1385	19,00
DN100	114,3	260	50	50	50	815	21,50	100	100	1015	23,50	150	150	1215	26,00	200	200	1415	29,00
DN125	139,7	285	50	50	50	940	28,60	100	100	1140	31,30	150	150	1440	35,50	200	200	1640	39,80

Size / Ölçü	Ødi	H	±X	±Y	±Z	L	kg	±Y	±Z	L	kg	±Y	±Z	L	kg	±Y	±Z	L	kg
DN150	168,3	350	50	50	50	970	44,70	100	100	1140	48,50	150	150	1440	54,00	200	200	1640	60,00
DN200	219,1	440	50	50	50	1120	75,60	100	100	1320	82,30	150	150	1680	94,50	200	200	1880	104,60
DN250	273	560	50	50	50	1120	111,00	100	100	1320	119,40	150	150	1680	134,60	200	200	1880	147,30
DN300	323,9	620	50	50	50	1180	145,90	100	100	1380	157,20	150	150	1730	177,60	200	200	1930	196,80

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 / Mafsal	2	St. 37.2

DATA SOURCE

Metroend-Kompansator-Katalogu.pdf · printed page 34 (PDF 34)

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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