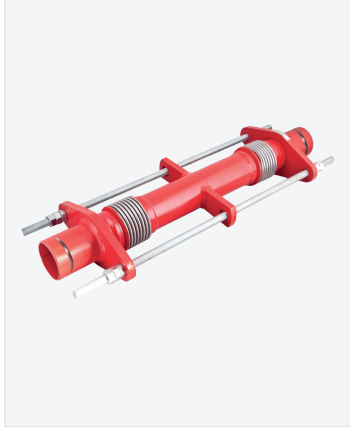


DILATATION EXPANSION JOINTS WITH LIMIT ROD

DILATATION EXPANSION JOINT GROOVED WITH LIMITING ROD

MTE-550



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

Limited-rotation expansion compensators are mechanical components designed to dampen lateral and axial movements that may occur in pipelines as a result of building settlement, ground movements, or seismic activities such as earthquakes. They are typically manufactured by connecting two metal bellows with an intermediate pipe (double-bellows design). This special design has the ability to absorb much greater amounts of lateral displacement and triaxial movement along the pipeline compared to standard single-bellows compensators.

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

WHERE IT IS USED

- Hot and cold water systems
- compressed air
- superheated water
- steam
- superheated steam systems
- superheated oil systems

DIMENSION TABLE

MTE-550-25

MTE-550-50

MTE-550-75

MTE-550-100

Size / Ölçü	Ødi	d1	Axial/Eksenel	Lateral / Yanal	L	kg	Lateral / Yanal	L	kg	Lateral / Yanal	L	kg	Lateral / Yanal	L	kg
DN25	38	135	±15	±25	540	3,40	±50	640	3,60	±75	740	3,80	±100	840	4,00
DN32	42,4	140	±15	±25	540	4,00	±50	640	4,25	±75	740	4,50	±100	840	4,75
DN40	48,3	150	±15	±25	540	4,20	±50	640	4,50	±75	740	4,80	±100	840	5,00
DN50	60,3	165	±15	±25	610	7,00	±50	710	7,45	±75	810	7,85	±100	910	8,30
DN65	76,1	190	±30	±25	610	8,00	±50	710	8,50	±75	810	9,00	±100	910	9,50
DN80	88,9	221	±30	±25	660	9,65	±50	760	10,30	±75	860	11,00	±100	960	11,65
DN100	114,3	249	±30	±25	660	14,60	±50	760	15,55	±75	860	16,50	±100	960	17,50
DN125	139,7	292	±30	±25	700	17,50	±50	900	19,00	±75	1000	20,30	±100	1100	21,65
DN150	168,3	342	±30	±25	700	21,50	±50	900	25,00	±75	1000	27,00	±100	1100	28,80
DN200	219,1	413	±30	±25	750	37,00	±50	950	43,50	±75	1050	47,00	±100	1150	51,00
DN250	273	488	±30	±25	850	49,00	±50	1050	57,70	±75	1150	61,40	±100	1250	68,40
DN300	323,9	580	±30	±25	1000	71,75	±50	1200	82,75	±75	1300	90,00	±100	1400	96,25

MATERIAL LIST

No	Part	Qty	Material
1	Bellow / Kőrük	2	AISI 304/321
2	Band / Bant	4	AISI 304/321

No	Part	Qty	Material
3	Butt Weld / Kaynak Boyun	2	St. 37.2
4	Intermediate Pipe / Ara Boru	1	St. 37.2
5	Tie Rod / Limitrot	2	St. 37.2
6	Nut / Somun	8	St. 37.2
7	Lug / Kulak	4	St. 37.2
8	Ball Joint / Rotil	4	St. 37.2

DATA SOURCE

Metroend-Kompansator-Katalogu.pdf · printed page 26 (PDF 26)

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.

METROEND
MÜHENDİSLİK SAN.
TİC. LTD. ŞTİ

Küçükbakkalköy Mah.
Selvili Sk. No: 4, İç
Kapı No: 20, Ataşehir
/ İstanbul
+90 546 224 41
94 ·
sales@metroend.com

<https://vana.bogahost.com/en/expansion-joints/dilatation-expansion-joints-with-limit-rod/dilatation-expansion-joint-grooved-with-limiting-rod-mte-550>
www.metroend.com