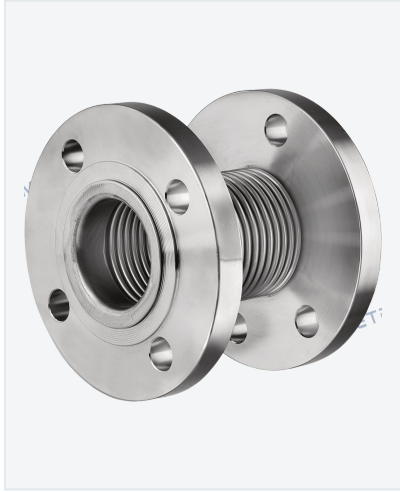


METAL BELLOWS AXIAL EXPANSION JOINTS

ROTARY FLANGED AXIAL EXPANSION JOINTS

MTE-320



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)
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

Metal bellows compensators are flexible connection elements used in industrial piping systems to dampen thermal expansion, contraction, axial misalignment, and mechanical vibrations caused by temperature changes. By minimizing mechanical stresses on the pipes, valves, and other fittings in the system, they preserve the structural integrity of the pipeline. The stainless steel bellows structure forming the flexible component is designed to absorb axial, lateral, or angular movements depending on the operating conditions of the line.

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

Size / Ölçü	FLANGE / FLANŞ						BELLOW / KÖRÜK		MTE-320-30 -20/+10 mm		MTE-320-30L -20/+10 mm		MTE-320-60L -40/+20 mm	
	Ød	Øk	Ød4	f	b	Ødxn	Ødi	Ødo	L	kg	L	kg	L	kg
DN 25	115	85	68	2	16	Ø 14X4	38	48,2	110	2,20	110	2,70		
DN 32	140	100	78	2	16	Ø 18X4	42,4	55	115	3,20	115	3,70		
DN 40	150	110	88	3	16	Ø 18X4	48,3	61	120	3,30	120	3,80		
DN 50	165	125	102	3	18	Ø 18X4	60,3	76	110	4,50	110	5,00		5,00
DN 65	185	145	122	3	18	Ø 18X8	76,1	95	110	5,50	110	6,00	195	6,00
DN 80	200	160	138	3	20	Ø 18X8	88,9	111	110	6,50	110	7,00	190	8,00
DN 100	220	180	158	3	20	Ø 18X8	114,3	140	120	7,70	120	8,20	200	9,00
DN 125	250	210	188	3	22	Ø 18X8	139,7	164	130	10,00	130	10,50	210	12,00
DN 150	285	240	212	3	22	Ø 22X8	168,3	200	145	12,00	145	12,50	245	11,00
DN 200	340	295	268	3	24	Ø 22X12	219,1	250	140	18,00	140	18,50	245	14,00
DN 250	405	355	320	3	26	Ø 26X12	273	323	150	25,00	150	25,50	250	27,00

Size / Ölçü	FLANGE / FLANŞ						BELLOW / KÖRÜK		MTE-320-30 -20/+10 mm		MTE-320-30L -20/+10 mm		MTE-320-60L -40/+20 mm	
	Ød	Øk	Ød4	f	b	Ødxn	Ødi	Ødo	L	kg	L	kg	L	kg
DN 300	460	410	378	4	28	Ø 26X12	323,9	380	160	33,00	160	33,50	260	35,50

MATERIAL LIST

No	Part	Qty	Material
1	Bellow / Körük	1	AISI 304/321
2	Inner Sleeve / Layner	1	AISI 304/321
3	Flange / Flanş	2	St. 37.2

DATA SOURCE

Metroend-Kompansator-Katalogu.pdf · printed page 10 (PDF 10)

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

+90 533 424 03

17 ·

sales@metroend.com

<https://vana.bogahost.com/en/expansion-joints/metal-bellows-axial-expansion-joints/rotary-flanged-axial-expansion-joints-mte-320>

www.metroend.com