

METAL BELLOWS AXIAL EXPANSION JOINTS

BUTT WELD AXIAL EXPANSION JOINTS

MTE-330



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

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	BELLOW / KÖRÜK		MTE-330-30 -20/+10 mm		MTE-330-30L -20/+10 mm		MTE-330-60L -40/+20 mm	
	Ød1	Ød0	L	kg	L	kg	L	kg
DN 25	38	48,2	210	0,50	210	1,00		
DN 32	42,4	55	215	0,55	215	1,05		
DN 40	48,3	61	240	0,60	240	1,10		
DN 50	60,3	76	210	0,85	210	1,35		1,50
DN 65	76,1	95	210	1,20	210	1,70	295	1,70
DN 80	88,9	111	210	1,50	210	2,00	290	2,00
DN 100	114,3	140	220	2,40	220	2,90	300	3,00
DN 125	139,7	164	230	3,20	230	3,70	310	5,00
DN 150	168,3	200	245	5,00	245	5,50	345	6,00
DN 200	219,1	250	240	10,00	240	10,50	345	11,00

Size / Ölçü	BELLOW / KÖRÜK		MTE-330-30 -20/+10 mm		MTE-330-30L -20/+10 mm		MTE-330-60L -40/+20 mm	
	Ødi	Ødo	L	kg	L	kg	L	kg
DN 250	273	323	250	15,00	250	15,50	350	16,00
DN 300	323,9	380	260	17,50	260	20,00	360	23,75

MATERIAL LIST

No	Part	Qty	Material
1	Bellow / Körük	1	AISI 304/321
2	Inner Sleeve / Layner	1	AISI 304/321
3	Band / Bant	2	AISI 304/321
4	Butt Weld / Kaynak Boyun	1	St. 37.2

DATA SOURCE

Metroend-Kompansator-Katalogu.pdf - printed page 12 (PDF 12)

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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