

PIPE EXPANSION JOINTS

BUTT WELD PIPE EXPANSION JOINTS

MTE-830



TECHNICAL DATA

Connection	Butt Weld - Kaynak Boyunlu
Design standard	EJMA
Working pressure	PN16 (Optional / Opsiyonel; PN25, PN40)
Working temperature	-10/+100°C
Nominal diameter	DN 15 (1/2") - DN 50 (2")
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

Pipe expansion joints (thermal expansion joints) are compact components used—particularly in the riser lines of high-rise buildings and in long central heating systems—to dampen axial expansion and contraction caused by temperature changes. Typically featuring a decorative outer protective casing and an inner liner, these products prevent bending and twisting in the pipe line, ensuring the system remains in a straight line. Thanks to their space-saving designs, they are widely preferred in shaft interiors and exposed pipe runs where aesthetic appearance is a priority, to prevent pipes from expanding and causing noise or leaking at connection points.

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

DIMENSION TABLE

Size / Ölçü	Hareket	Ød1	L	kolon_5	kolon_6
DN15	+5 / -45 mm	21,3	300	51 N/mm.	>1000
DN20	+5 / -45 mm	26,9	300	51 N/mm.	>1000
DN25	+5 / -45 mm	33,7	300	43,5 N/mm.	>1000
DN32	+5 / -45 mm	42,4	350	38,1 N/mm.	>1000
DN40	+5 / -45 mm	48,3	350	37,1 N/mm.	>1000
DN50	+5 / -45 mm	60,3	350	37,1 N/mm.	>1000
DN65	+5 / -45 mm	76,1	345		
DN80	+5 / -45 mm	88,9	350		
DN100	+5 / -45 mm	114,3	350		
DN125	+5 / -45 mm	139,7	420		

Size / Ölçü	Hareket	Ød1	L	kolon_5	kolon_6
DN150	+5 / -45 mm	168,3	420		
DN200	+5 / -45 mm	219,1	420		

MATERIAL LIST

No	Part	Qty	Material
1	Butt Weld / Kaynak Boyun	1	St. 37.2
2	Butt Weld / Kaynak Boyun	1	St. 37.2
3	Outer Pipe / Kaver	1	St. 37.2
4	Bellow / Körük (Double Ply / Çift Kat)	1	AISI 304/321
5	Inner Sleeve / Layner	1	AISI 304/321
6	Pin / Pin	1	St. 37.2
7	Segment / Segman	1	St. 37.2

PENDING REVIEW

At least one data plate field of this product could not be read from the source catalog and was left blank. Blank fields have not been estimated. Please confirm the values with the company before a binding offer.

DATA SOURCE

Metroend-Kompansator-Katalogu.pdf · printed page 44 (PDF 44)

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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