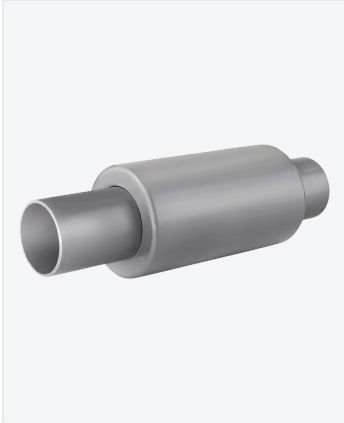


EXTERNALLY PRESSURIZED EXPANSION JOINTS

EXTERNALLY PRESSURIZED BUTT WELD EXPANSION JOINTS

MTE-430



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

Externally pressurized compensators are specialized connection elements designed to eliminate the risk of bellows squirm in long pipelines where there are high expansion rates and high fluid pressure. Unlike standard compensators, in these systems the fluid applies pressure to the outer surface of the bellows rather than through its interior. This external pressure keeps the stainless steel bellows continuously taut and aligned along a straight line, preventing the bellows from deviating from its axis or deforming under high pressure. As a result, it becomes possible to safely accommodate much longer-stroke (high-expansion) axial movements using a single compensator.

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

DIMENSION TABLE

MTE-430-30

MTE-430-60

MTE-430-90

MTE-430-120

Size / Ölçü	Ød	Ød0	h	k	j	s1	L	kg	h	k	j	s1	L	kg	h	k	j	s1	L	kg	h	k	j	s1	L	kolon_27	kg
DN 25	38	76,1	30	80	180	2,6	340	3,00	50	80	300 2,6		470	4,00	80	80		300 2,6 500		4,00	110	80	350	2,6	580		4,88
DN 32	42,4	76,1	30	80	180	2,6	340	3,00	50	80	300 2,6		470	4,00	80	80		300 2,6 500		4,60	110	80	410	2,6	640		5,85
DN 40	48,3	76,1	30	80	200 2,6		360	3,80	50	80	310	2,6	480	4,80	80	80	310	2,6	510	5,00	110	80	430	2,6	660		6,28
DN 50	60,3	101	30	80	190	2,9	350	5,00	50	80	290	2,9	460	6,60	80	80	290	2,9	490	5,70	110	80	430	2,9	660		8,38
DN 65	76,1	114,3	30	80	190	2,9	350	6,00	50	80	280	2,9	450	7,50	80	80	280	2,9	480	7,20	110	80	490	2,9	720		11,91
DN 80	88,3	139,7	30	80	190	3,2	350	7,50	50	80	280	3,2	450	10,00	80	80	280	3,2	480	11,00	110	80	400 3,2		630		13,30
DN 100	114,3	168,3	30	80	200	3,6	360	12,00	50	80	290	3,6	460	15,00	80	80	290	3,6	490	16,00	110	80	440	3,6	670		19,94
DN 125	139,7	219,1	30	80	180	4	360	18,00	50	80	290	4	470	22,00	80	80	290	4	500	27,50	110	80	440	4	680		34,50
DN 150	168,3	245	30	80	210	4,5	380	27,00	50	80	310	4,5	490	30,00	80	80	310	4,5	520	34,00	110	80	440 4,5		680		41,16
DN 200	219,1	323,9	30	80			200 6,3 400 40,00		50	80	300 6,3		510	48,50	80		100 300 6,3		540	55,00	110		100 480	6,3	750		70,90
DN 250	273	355,6	30	80	210	6,3	420	47,50	50	80	300 6,3		520	56,73	80		100 300 6,3		550	59,73	110		100 530	6,3	810		92,73

