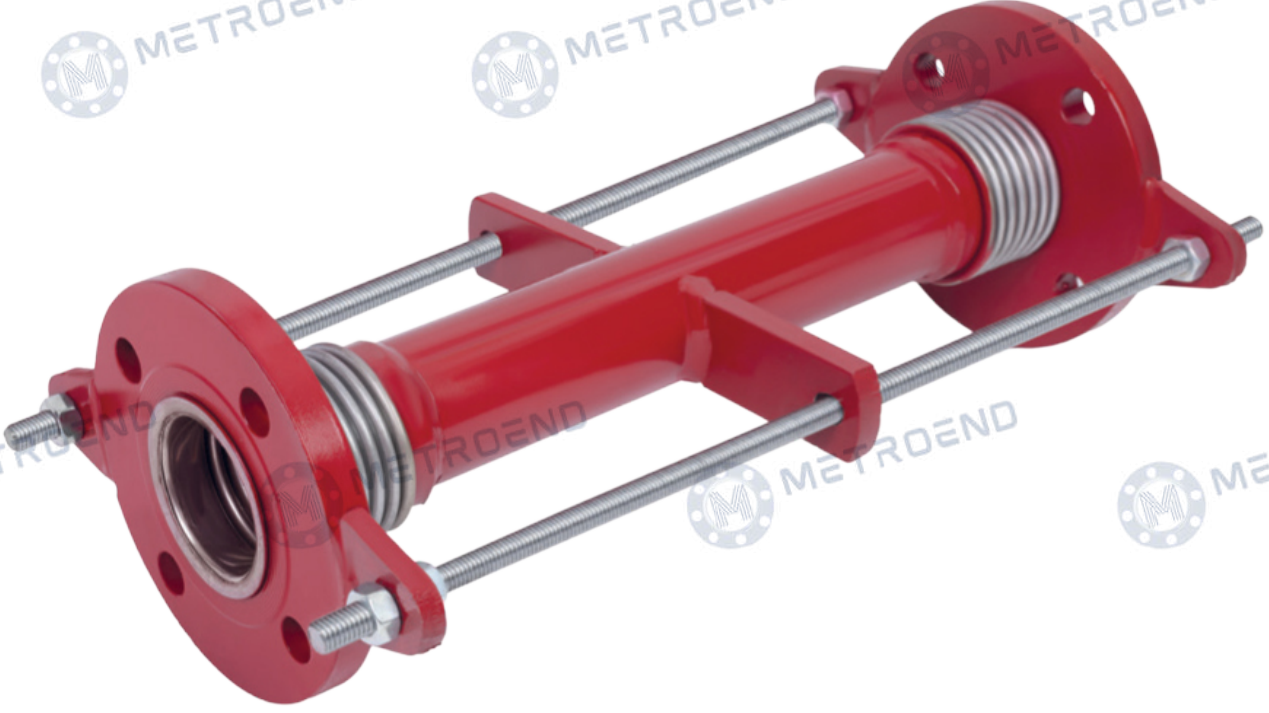




# METROEND



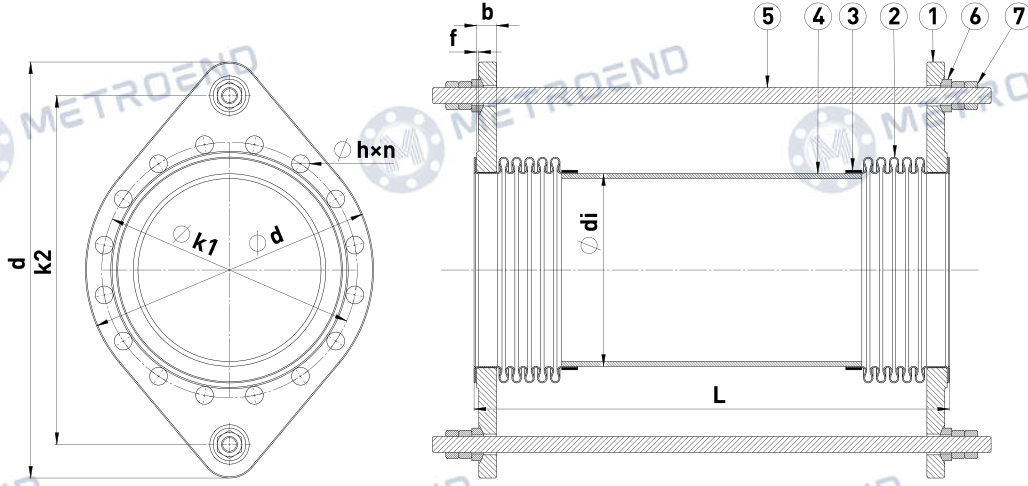
## MTE-510

DILATATION EXPANSION JOINT FLANGED WITH LIMITING ROD  
LİMİT ROTLU FLANŞLI DİLATASYON KOMPANSATÖRÜ

|                                                |                                                                                                                                                                                                                                         |
|------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Design / <b>Tasarım</b>                        | EN 13445, EN 13480, EN 14917; ASME VIII, div.I, ASME B31.3; ASME B31.1, EJMA                                                                                                                                                            |
| Connection Type / <b>Bağlantı Şekli</b>        | Rotary Flanged - <b>Döner Flanş</b>                                                                                                                                                                                                     |
| Bellows / <b>Körükler</b>                      | AISI 304 Stainless Steel - <b>Paslanmaz Çelik</b> (Optional / <b>Opsiyonel</b> ; AISI 316L/316Ti/321)                                                                                                                                   |
| Connection / <b>Bağlantı</b>                   | ST37.2 Carbon Steel - <b>Karbon Çelik</b> (Optional / <b>Opsiyonel</b> ; AISI 316L/316Ti/321)                                                                                                                                           |
| Nominal Diameter / <b>Nominal Çaplar</b>       | DN 25 (1") - DN 5000 (200")                                                                                                                                                                                                             |
| Working Pressure / <b>Çalışma Basıncı</b>      | PN16 (Optional / <b>Opsiyonel</b> ; PN25, PN40)                                                                                                                                                                                         |
| Working Temperature / <b>Çalışma Sıcaklığı</b> | -80/+427°C (Optional / <b>Opsiyonel</b> ; -80/+1100°C)                                                                                                                                                                                  |
| Applications / <b>Uygulamalar</b>              | Hot and cold water systems, compressed air, superheated water, steam, superheated steam systems, superheated oil systems.<br><b>Sıcak ve soğuk su sistemleri, basınçlı hava, kızgın su, buhar, kızgın buhar, kızgın yağ sistemleri.</b> |

# DILATATION EXPANSION JOINT WITH LIMIT ROD LİMİT ROTLU DİLATASYON KOMPANSATÖRLERİ

## ■ TECHNICAL DRAWING / TEKNİK ÇİZİM



## ■ MATERIAL SPECIFICATIONS / MALZEME ÖZELLİKLERİ

| Part Description / Parça Tanımı |                              | Pcs / Adet | Material / Malzeme |
|---------------------------------|------------------------------|------------|--------------------|
| 1                               | Flange / Flanş               | 2          | St. 37.2           |
| 2                               | Bellow / Körük               | 2          | AISI 304/321       |
| 3                               | Band / Bant                  | 1          | AISI 304/321       |
| 4                               | Intermediate Pipe / Ara Boru | 1          | St. 37.2           |
| 5                               | Tie Rod / Limitrot           | 2          | St. 37.2           |
| 6                               | Ring/ Ring                   | 4          | St. 37.2           |
| 7                               | Nut / Somun                  | 8          | St. 37.2           |

## ■ DIMENSION TABLE / ÖLÇÜ TABLOSU

|             |       | FLANGE / FLANŞ |     |     |     |   |    |         | MOVEMENT / HAREKET | MTE-510-25      |     |        | MTE-510-50      |     |        | MTE-510-75      |      |        | MTE-510-100     |      |        |
|-------------|-------|----------------|-----|-----|-----|---|----|---------|--------------------|-----------------|-----|--------|-----------------|-----|--------|-----------------|------|--------|-----------------|------|--------|
| Size / Ölçü | Ødi   | d              | Ød  | Øk1 | k2  | f | b  | Øhxn    | Axial/ Eksenel     | Lateral / Yanal | L   | kg     | Lateral / Yanal | L   | kg     | Lateral / Yanal | L    | kg     | Lateral / Yanal | L    | kg     |
| DN25        | 38    | 185            | 115 | 85  | 150 | 2 | 16 | Ø 14x4  | ±15                | ±25             | 250 | 5,40   | ±50             | 350 | 5,40   | ±75             | 450  | 5,80   | ±100            | 550  | 6,00   |
| DN32        | 42,4  | 210            | 140 | 100 | 180 | 2 | 16 | Ø 18x4  | ±15                | ±25             | 250 | 7,00   | ±50             | 350 | 7,00   | ±75             | 450  | 7,50   | ±100            | 550  | 7,75   |
| DN40        | 48,3  | 220            | 150 | 110 | 185 | 3 | 16 | Ø 18x4  | ±15                | ±25             | 250 | 7,40   | ±50             | 350 | 7,40   | ±75             | 450  | 8,00   | ±100            | 550  | 8,20   |
| DN50        | 60,3  | 250            | 165 | 125 | 205 | 3 | 18 | Ø 18x4  | ±15                | ±25             | 350 | 11,50  | ±50             | 450 | 11,50  | ±75             | 550  | 12,25  | ±100            | 650  | 12,70  |
| DN65        | 76,1  | 270            | 185 | 145 | 225 | 3 | 18 | Ø 18x4  | ±30                | ±25             | 350 | 13,00  | ±50             | 450 | 13,00  | ±75             | 550  | 14,00  | ±100            | 650  | 14,50  |
| DN80        | 88,9  | 310            | 200 | 160 | 251 | 3 | 20 | Ø 18x8  | ±30                | ±25             | 400 | 16,25  | ±50             | 500 | 16,25  | ±75             | 600  | 17,50  | ±100            | 700  | 18,25  |
| DN100       | 114,3 | 330            | 220 | 180 | 271 | 3 | 20 | Ø 18x8  | ±30                | ±25             | 400 | 21,80  | ±50             | 500 | 21,80  | ±75             | 600  | 24,00  | ±100            | 700  | 24,70  |
| DN125       | 139,7 | 366            | 250 | 210 | 304 | 3 | 22 | Ø 18x8  | ±30                | ±25             | 450 | 27,50  | ±50             | 650 | 27,50  | ±75             | 750  | 30,00  | ±100            | 850  | 31,65  |
| DN150       | 168,3 | 420            | 285 | 240 | 347 | 3 | 22 | Ø 23x8  | ±30                | ±25             | 450 | 33,50  | ±50             | 650 | 33,50  | ±75             | 750  | 39,00  | ±100            | 850  | 41,00  |
| DN200       | 219,1 | 510            | 340 | 295 | 411 | 3 | 24 | Ø 23x12 | ±30                | ±25             | 500 | 53,50  | ±50             | 700 | 53,50  | ±75             | 800  | 63,50  | ±100            | 900  | 67,60  |
| DN250       | 273   | 573            | 405 | 355 | 484 | 3 | 26 | Ø 27x12 | ±30                | ±25             | 600 | 73,00  | ±50             | 800 | 73,00  | ±75             | 900  | 85,00  | ±100            | 1000 | 92,00  |
| DN300       | 323,9 | 660            | 460 | 410 | 555 | 4 | 28 | Ø 27x12 | ±30                | ±25             | 750 | 102,00 | ±50             | 950 | 102,00 | ±75             | 1000 | 120,00 | ±100            | 1150 | 126,50 |