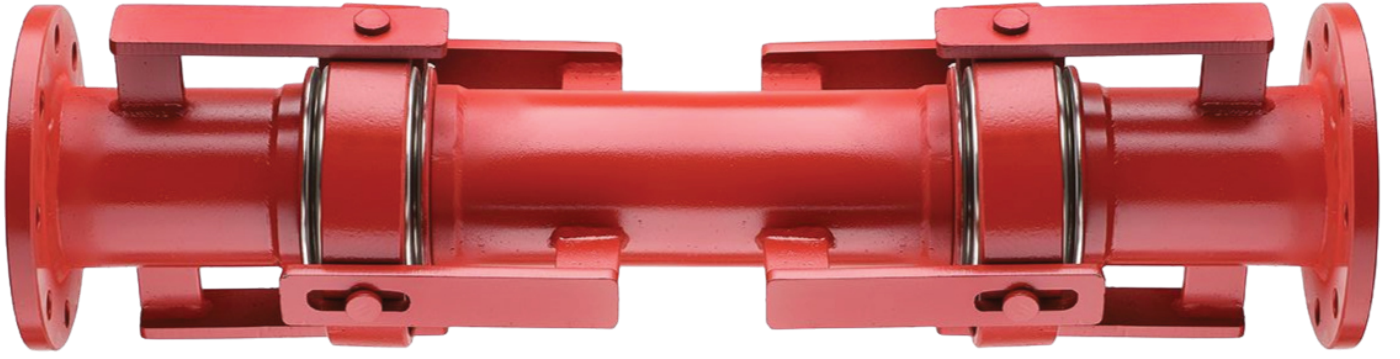




## MTE-610

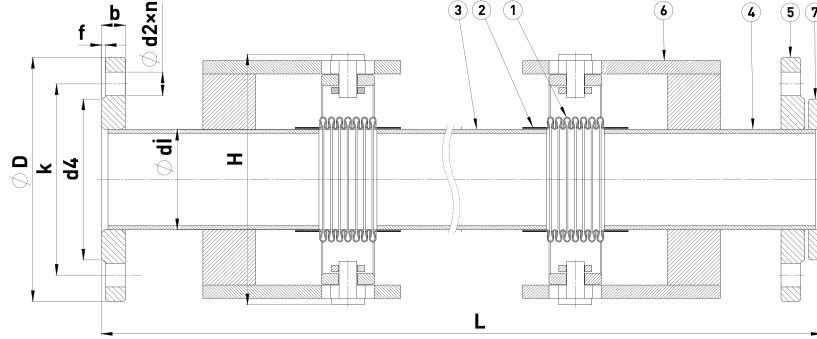
### GIMBAL TYPE FLANGED EXPANSION JOINTS

### KARDAN MAFSALLI FLANŞLI DEPREM 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 Flanşlı</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>              | All piping systems in high-seismic-risk areas, all building penetrations and dilatation applications, and fire protection systems<br><b>Deprem riski yüksek bölgelerdeki tüm borulama sistemleri, tüm bina geçişleri ve dilatasyon noktaları ve yangın hatları</b> |

# GIMBAL TYPE EXPANSION JOINTS KARDAN MAFSALLI DEPREM KOMPANSATÖRLERİ

## ■ TECHNICAL DRAWING / TEKNİK ÇİZİM



## ■ MATERIAL SPECIFICATIONS / MALZEME ÖZELLİKLERİ

| Part Description / Parça Tanımı |                              | Pcs / Adet | Material / Malzeme |
|---------------------------------|------------------------------|------------|--------------------|
| 1                               | Bellow / Körük               | 2          | AISI 304/321       |
| 2                               | Band / Bant                  | 4          | AISI 304/321       |
| 3                               | Intermediate Pipe / Ara Boru | 1          | St. 37.2           |
| 4                               | Butt Weld / Kaynak Boyun     | 2          | St. 37.2           |
| 5                               | Flange / Flanş               | 2          | St. 37.2           |
| 6                               | Gimbal / Mafsall             | 2          | St. 37.2           |
| 7                               | Collar / Yaka                | 1          | St. 37.2           |

## ■ DIMENSION TABLE / ÖLÇÜ TABLOSU

|                |       |     | Flange / Flanş |     |     |   |    |        | MOVEMENT IN<br>X DIRECTION<br>/ X YÖNÜNDE<br>HAREKET | MTE-610-100 |    |      |        | MTE-610-200 |     |      |        | MTE-610-300 |     |      |        | MTE-610-400 |     |      |        |
|----------------|-------|-----|----------------|-----|-----|---|----|--------|------------------------------------------------------|-------------|----|------|--------|-------------|-----|------|--------|-------------|-----|------|--------|-------------|-----|------|--------|
| Size /<br>Ölçü | Ødi   | H   | ØD             | Øk  | Ød4 | f | b  | Ød2xn  | ±X                                                   | ±Y          | ±Z | L    | kg     | ±Y          | ±Z  | L    | kg     | ±Y          | ±Z  | L    | kg     | ±Y          | ±Z  | L    | kg     |
| DN25           | 38    | 145 | 115            | 85  | 68  | 2 | 16 | Ø14x4  | 50                                                   | 50          | 50 | 720  | 6,50   | 100         | 100 | 920  | 7,00   | 150         | 150 | 1120 | 7,50   | 200         | 200 | 1320 | 7,90   |
| DN32           | 42,4  | 145 | 140            | 100 | 78  | 2 | 16 | Ø18x4  | 50                                                   | 50          | 50 | 720  | 7,90   | 100         | 100 | 920  | 8,40   | 150         | 150 | 1120 | 8,90   | 200         | 200 | 1320 | 9,40   |
| DN40           | 48,3  | 145 | 150            | 110 | 88  | 3 | 16 | Ø18x4  | 50                                                   | 50          | 50 | 720  | 8,90   | 100         | 100 | 920  | 9,50   | 150         | 150 | 1120 | 10,10  | 200         | 200 | 1320 | 10,70  |
| DN50           | 60,3  | 170 | 165            | 125 | 102 | 3 | 18 | Ø18x4  | 50                                                   | 50          | 50 | 800  | 12,80  | 100         | 100 | 1000 | 13,70  | 150         | 150 | 1200 | 14,50  | 200         | 200 | 1420 | 15,40  |
| DN65           | 76,1  | 200 | 185            | 145 | 122 | 3 | 18 | Ø18x8  | 50                                                   | 50          | 50 | 800  | 18,00  | 100         | 100 | 1000 | 19,10  | 150         | 150 | 1250 | 20,50  | 200         | 200 | 1500 | 21,80  |
| DN80           | 88,9  | 215 | 200            | 160 | 138 | 3 | 20 | Ø18x8  | 50                                                   | 50          | 50 | 830  | 21,30  | 100         | 100 | 1030 | 22,70  | 150         | 150 | 1270 | 24,20  | 200         | 200 | 1500 | 25,90  |
| DN100          | 114,3 | 260 | 220            | 180 | 158 | 3 | 20 | Ø18x8  | 50                                                   | 50          | 50 | 850  | 27,80  | 100         | 100 | 1050 | 30,80  | 150         | 150 | 1300 | 33,30  | 200         | 200 | 1550 | 36,30  |
| DN125          | 139,7 | 285 | 250            | 210 | 188 | 3 | 22 | Ø18x8  | 50                                                   | 50          | 50 | 980  | 40,00  | 100         | 100 | 1180 | 42,30  | 150         | 150 | 1480 | 46,50  | 200         | 200 | 1780 | 50,80  |
| DN150          | 168,3 | 350 | 285            | 240 | 212 | 3 | 22 | Ø22x8  | 50                                                   | 50          | 50 | 980  | 57,80  | 100         | 100 | 1180 | 61,50  | 150         | 150 | 1700 | 67,00  | 200         | 200 | 1780 | 72,90  |
| DN200          | 219,1 | 440 | 340            | 295 | 268 | 3 | 24 | Ø22x12 | 50                                                   | 50          | 50 | 1140 | 96,60  | 100         | 100 | 1340 | 103,30 | 150         | 150 | 1700 | 115,50 | 200         | 200 | 2050 | 125,50 |
| DN250          | 273   | 560 | 405            | 355 | 320 | 3 | 26 | Ø26x12 | 50                                                   | 50          | 50 | 1140 | 140,10 | 100         | 100 | 1340 | 148,50 | 150         | 150 | 1700 | 163,70 | 200         | 200 | 2100 | 176,40 |
| DN300          | 323,9 | 620 | 460            | 410 | 378 | 4 | 28 | Ø26x12 | 50                                                   | 50          | 50 | 1200 | 184,20 | 100         | 100 | 1400 | 195,50 | 150         | 150 | 1760 | 215,80 | 200         | 200 | 2160 | 235,00 |