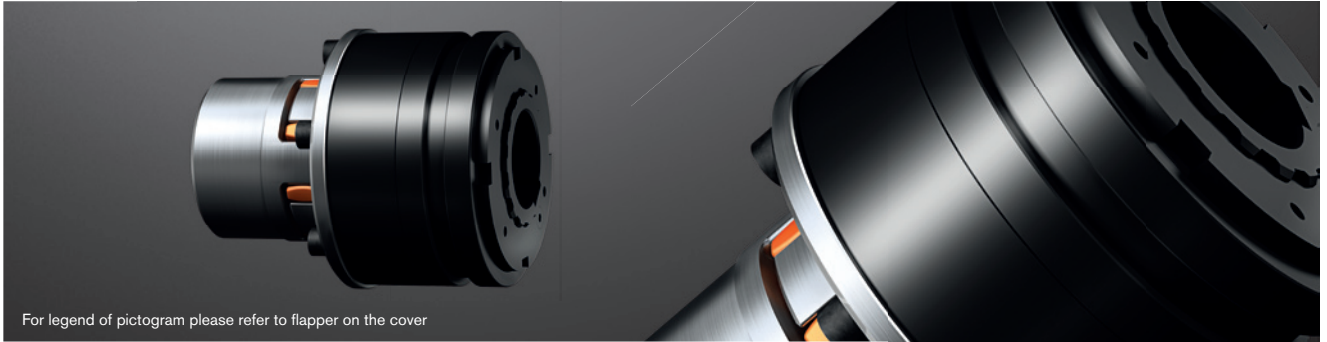
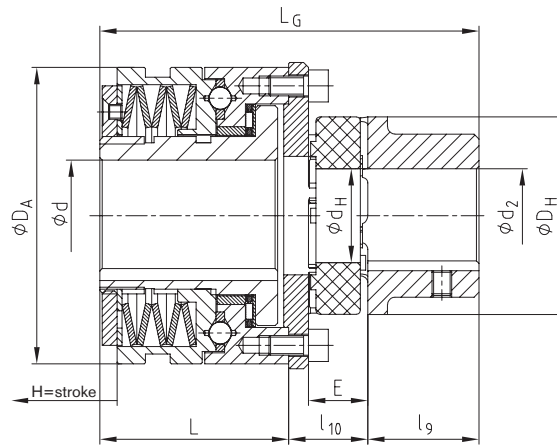


KTR-SI Overload systems

With torsionally flexible ROTEX®



For legend of pictogram please refer to flapper on the cover



Technical data

| KTR-SI size | Torque [Nm] of type DK | | | | Torque [Nm] of type SR and SGR | | | | Torque [Nm] of type FR | | |
|-------------|------------------------|----------|-----------|-----------|--------------------------------|-----------|-----------|-----------|------------------------|---------|----------|
| | T1 | T2 | T3 | T4 | T1 | T2 | T3 | T4 | T1 | T2 | T3 |
| 0 | 2,5-5 | 5-20 | - | 20-40 | 5-10 | 10-40 | - | - | 5-10 | 10-20 | 20-40 |
| 1 | 6-12 | 12-25 | 25-55 | 55-100 | 12-25 | 25-50 | 50-100 | - | 12-25 | 25-50 | 50-100 |
| 2 | 12-25 | 25-50 | 50-120 | 120-200 | 25-50 | 50-100 | 100-200 | - | 25-50 | 50-100 | 100-200 |
| 3 | 25-50 | 50-100 | 100-250 | 200-450 | 50-100 | 100-200 | 200-450 | - | 50-100 | 100-200 | 200-450 |
| 4 | 50-100 | 100-200 | 200-500 | 500-1000 | 100-200 | 200-400 | 400-800 | 800-2000 | 100-200 | 200-400 | 400-800 |
| 5 | 85-250 | 230-600 | 300-1000 | 600-2000 | 170-450 | 350-900 | 600-1800 | 1200-3400 | 170-450 | 350-900 | 600-1800 |
| 6 | 180-480 | 360-960 | 720-1950 | 1600-3300 | 300-750 | 600-1500 | 1200-3000 | 2900-5800 | - | - | - |
| 7 | 250-520 | 500-1050 | 1000-2100 | 2000-3600 | 550-1100 | 1100-2200 | 2200-4400 | 3000-8200 | - | - | - |

Technical data – Dimensions

| KTR-SI size | ROTEX® size | Torque of ROTEX [Nm] 1) | | Max. bore [mm] | Dimensions [mm] | | | | | | | | | H=stroke [mm] | | | |
|-------------|-------------|-------------------------|-------------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|-----------------|-------|-------|----------------|------|-----|-------|
| | | 98 Sh-A | | | d | d ₂ | d _H | D _H | D _A | l ₉ | l ₁₀ | E | L | L _G | Type | | |
| | | T _{KN} | T _{Kmax} | | | | | | | | | | | | DK | SR | FR |
| 0 | 19 | 17 | 34 | 20 | 24 | 18 | 40 | 55 | 25 | 22 | 16 | 38,5 | 85,5 | 1,4 | 1,2 | 1,6 | |
| | 28 | 160 | 320 | | 38 | 30 | 65 | | 35 | 28,5 | 20 | | | | | | 102 |
| 1 | 24 | 60 | 120 | 25 | 28 | 27 | 55 | 82 | 30 | 24 | 18 | 52 | 106 | 2,3 | 1,8 | 2,3 | |
| | 38 | 325 | 650 | | 45 | 38 | 80 | | 45 | 32,5 | 24 | | | | | | 129,5 |
| 2 | 28 | 160 | 320 | 35 | 38 | 30 | 65 | 100 | 35 | 28 | 20 | 61 | 124 | 2,4 | 2,0 | 3,0 | |
| | 48 | 525 | 1050 | | 60 | 51 | 105 | | 56 | 38 | 28 | | | | | | 155 |
| 3 | 38 | 325 | 650 | 45 | 45 | 38 | 80 | 120 | 45 | 32 | 24 | 78 | 155 | 2,7 | 2,2 | 3,5 | |
| | 55 | 685 | 1370 | | 70 | 60 | 120 | | 65 | 43 | 30 | | | | | | 186 |
| 4 | 48 | 525 | 1050 | 55 | 60 | 51 | 105 | 146 | 56 | 38 | 28 | 100 | 194 | 3,7 | 2,5 | 3,8 | |
| | 75 | 1920 | 3840 | | 95 | 80 | 160 | | 85 | 56,5 | 40 | | | | | | 241,5 |
| 5 | 55 | 685 | 1370 | 65 | 70 | 60 | 120 | 176 | 65 | 44 | 30 | 113,5 | 222,5 | 4,6 | 3,0 | 4,5 | |
| | 90 | 3600 | 7200 | | 110 | 100 | 200 | | 100 | 62 | 45 | | | | | | 275,5 |
| 6 | 100 | 4950 | 9900 | 80 | 115 | 113 | 225 | 200 | 110 | 72 | 50 | 119 | 301 | 5,0 | 3,5 | - | |
| 7 | 110 | 7200 | 14400 | 100 | 125 | 127 | 255 | 240 | 120 | 78 | 55 | 141 | 339 | 5,5 | 4,0 | - | |

¹⁾ See selection of ROTEX® couplings on page 10 et seqq.

| Ordering example: | KTR-SI 2 | DK | T2 | d Ø20 | ROTEX® 28 | d ₂ Ø25 | 40 Nm |
|-------------------|-----------|------|-------------------|-------------|-----------|--------------------|------------|
| | Type/size | Type | Disk spring layer | KTR-SI bore | Type/size | ROTEX® bore | Torque set |