

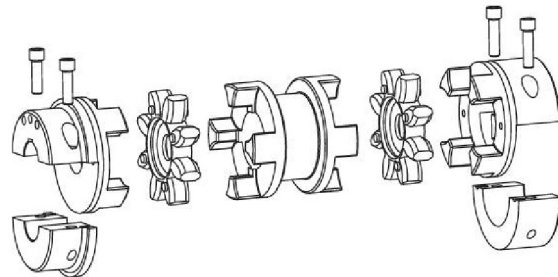
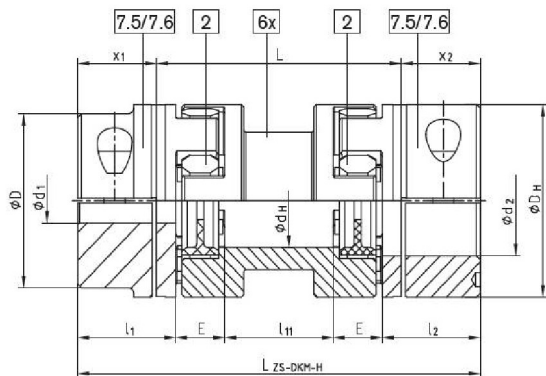
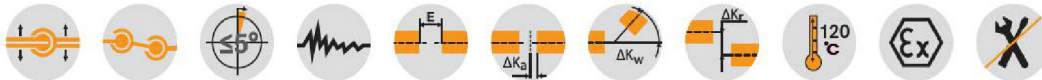
ROTEX® ZS-DKM-H

Flexible jaw couplings

Double-cardanic shaft coupling



For legend of pictogram please refer to flapper on the cover



Type ZS-DKM-H

| ROTEX® Type ZS-DKM-H | | | | | | | | | | | | | | | | | | | | |
|----------------------|-------------------------------|------------------------------|-----------------------------|-----------------|----------------|--------------------------------|--------------------------------|----------------|----|-----------------------|------------------------------------|---------|------------|--------------------|-------------|-------------------|-------------|---------------------------|--|-------|
| Size | Drop-out center length L [mm] | Max. finish bore Ød1/d2 [mm] | Spider (part 2) 1) TKN [Nm] | Dimensions [mm] | | | | | | | Cyl. screws DIN EN ISO 4762 - 12.9 | | | Max. displacements | | | | Weight ²⁾ [kg] | | |
| | | | | D _H | d _H | l ₁ :l ₂ | x ₁ :x ₂ | l ₁ | E | L _{ZS-DKM-H} | M | TA [Nm] | Axial [mm] | with n = 1500 rpm | | with n = 3000 rpm | | | | |
| | | | | | | | | | | | | | | Radial [mm] | Angular [°] | Radial [mm] | Angular [°] | | | |
| 24 | 100 | 28 | 35 | 55 | 27 | 30 | 22,5 | 49 | 18 | 145 | M6 | 14 | 1,4 | 1,17 | | 0,87 | | 1,40 | | 1,40 |
| | 140 | | | | | | | 89 | | 185 | | | | 1,87 | | 1,06 | | 0,80 | | 1,90 |
| 28 | 100 | 38 | 95 | 65 | 30 | 35 | 25,5 | 41 | 20 | 191 | M8 | 35 | 1,5 | 1,76 | | 1,32 | | 1,90 | | 2,20 |
| | 140 | | | | | | | 81 | | 171 | | | | 1,06 | | 0,74 | | 3,90 | | |
| 38 | 100 | 45 | 190 | 80 | 38 | 45 | 35,5 | 33 | 24 | 211 | M8 | 35 | 1,8 | 0,99 | | 1,27 | | 4,10 | | 4,10 |
| | 140 | | | | | | | 73 | | 211 | | | | 1,69 | | 1,27 | | 4,10 | | |
| 42 | 100 | 55 | 265 | 95 | 46 | 50 | 39,0 | 26 | 26 | 178 | M10 | 69 | 2,0 | 0,91 | | 0,68 | | 5,10 | | 5,10 |
| | 140 | | | | | | | 66 | | 218 | | | | 1,60 | | 1,20 | | 5,70 | | |
| 48 | 100 | 60 | 310 | 105 | 51 | 56 | 45,0 | 22 | 28 | 190 | M12 | 120 | 2,1 | 0,87 | | 0,65 | | 7,10 | | 7,10 |
| | 140 | | | | | | | 62 | | 230 | | | | 1,57 | | 1,18 | | 7,90 | | |
| 55 | 100 | 70 | 410 | 120 | 60 | 65 | 50,0 | 10 | 30 | 200 | M12 | 120 | 2,2 | 0,70 | 1,0 | 0,52 | 0,75 | 9,50 | | 9,50 |
| | 140 | | | | | | | 50 | | 240 | | | | 1,40 | | 1,05 | | 11,20 | | |
| 65 | 180 | 80 | 625 | 135 | 68 | 75 | 60,0 | 90 | 35 | 280 | M12 | 120 | 2,6 | 2,09 | | 1,57 | | 12,30 | | 12,30 |
| | 200 | | | | | | | 110 | | 300 | | | | 2,44 | | 1,83 | | 12,80 | | |
| 75 | 140 | 90 | 1280 | 160 | 80 | 85 | 67,5 | 40 | 40 | 260 | M12 | 120 | 2,6 | 1,31 | | 0,98 | | 16,10 | | 16,10 |
| | 180 | | | | | | | 80 | | 300 | | | | 2,00 | | 1,50 | | 16,80 | | |
| 90 | 180 | 110 | 2400 | 200 | 100 | 100 | 81,5 | 25 | 45 | 315 | M16 | 295 | 3,0 | 1,13 | | 0,85 | | 23,60 | | 23,60 |
| | 200 | | | | | | | 85 | | 275 | | | | 1,83 | | 1,37 | | 26,00 | | |
| 90 | 250 | 110 | 2400 | 200 | 100 | 100 | 81,5 | 85 | 45 | 335 | M16 | 295 | 3,0 | 2,19 | | 1,64 | | 27,00 | | 27,00 |
| | 250 | | | | | | | 135 | | 385 | | | | 3,05 | | 2,29 | | 29,50 | | |
| 90 | 180 | 110 | 2400 | 200 | 100 | 100 | 81,5 | 53 | 45 | 343 | M20 | 580 | 3,4 | 1,71 | | 1,28 | | 48,90 | | 48,90 |
| | 250 | | | | | | | 123 | | 413 | | | | 2,93 | | 2,19 | | 52,60 | | |

¹⁾ Maximum torque of coupling T_{Kmax} = rated torque of coupling $T_{KN} \times 2$
Size 24 to 90 spider type 98 Sh-A-GS

ZS-DKM-H: Transmittable torque acc. to 98-Sh A-GS

²⁾ Referring to max. bore

Finish bore according to ISO fit H7, feather keyway according to DIN 6885 sheet 1 - JS9

7.5= Shell clamping hub without feather key for a double-cardanic connection

7.6= Shell clamping hub with feather key for a double-cardanic connection

ATTENTION: The standard line is only applicable for horizontal assembly. Vertical assembly on request.

| | | | | | | | | |
|-------------------|---------------|----------|----------------------------|-----------------|----------|-------------|----------|-------------|
| Ordering example: | ROTEX® 38 | ZS-DKM-H | 140 | 98 Sh-A-GS | 7.5 | Ø 38 | 7.5 | Ø30 |
| | Coupling size | Type | Shaft distance dimension L | Spider hardness | Hub type | Finish bore | Hub type | Finish bore |