

Ausgleichskupplungen Compensation couplings

Elastomerkupplung SKP Präzisionsausführung mit Klemmkonus

Elastomer coupling SKP Precision version with clamping cone



Merkmale

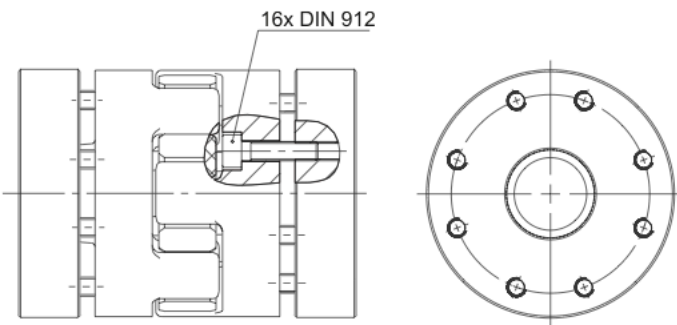
- Nabe bis Größe SKP-325 aus hochfestem Aluminium, ab Größe SKP-450 aus Stahl
- Klemmring aus Stahl
- Spielfreie Drehmomentübertragung durch Vorspannung
- Montagefreundlich, da innenliegende Spanschrauben
- Elektrisch isolierend
- Optimales Dämpfungsverhalten durch Elastomersterne in 98° Shore A Ausführung
- Hohe Temperaturbeständigkeit
- Niedriges Massenträgheitsmoment
- Ideal für Servomotoren
- ISO Passung H7
- Weitere Elastomersternhärten lieferbar
- Sonderausführungen auf Anfrage

Bestellbezeichnung / Beispiel:

SKP-160 - 20H7 - 22H7 - A - 98 Sh A - U
 Typ+Größe Bohrung Bohrung Material Elastomerstern Stern
 D1 D2 ungebohrt

Characteristics

- Hub up to size SKP-325 made of high strength aluminium, from size SKP-450 on made of steel
- Clamping ring made of steel
- Backlash-free torque transmission
- Easy assembly with axial direction from inside hubs by internal clamping screws
- Electrically isolating
- Optimum damping behavior by spider(s) 98° Shore A execution
- High level of thermal stability
- Very low mass moment of inertia
- Ideal for servomotors
- ISO fit H7
- Various kinds of elastomer hardness of spiders
- Customized execution on demand



Standard Optionen / Standardized options



Shore Typ Elastomerstern/shore type elastomer spider
 80 Sh A, 92 Sh A, 64 Sh D-H, 64 Sh D
 Elastomerstern/elastomer spider
 G=gebohrt/G=drilled

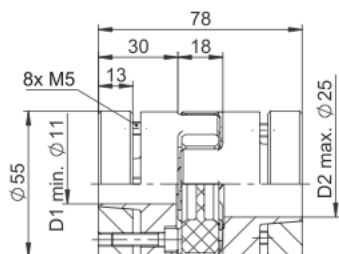
Gewünschte Optionen müssen im Bestelltext angegeben werden (Legende Symbole S. 7).
 Desired options have to be mentioned in the order text (key symbols p. 7).

Order description / example:

SKP-160 - 20H7 - 22H7 - A - 98 Sh A - U
 Type+Size Bore Bore Material Elastomer Star Star
 D1 D2 undrilled

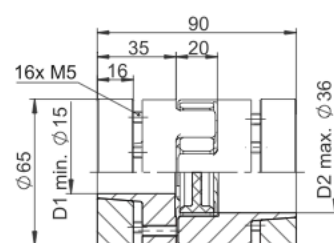
| | R | B | Y | G | | R | B | Y | G | |
|-------------------|-----------|------|------|------|---|-----------|------|------|------|-------------------|
| SKP-12 | 12.5 | 4 | 7.5 | 16 | Nennmoment [Nm] Nominal torque [Nm] | 17 | 5 | 10 | 21 | SKP-17 |
| | 25 | 8 | 15 | 32 | Maximalmoment [Nm] Max. torque [Nm] | 34 | 10 | 20 | 42 | |
| | 172 | 60 | 115 | 234 | Statische Drehfedersteife [Nm/rad] Static spring stiffness [Nm/rad] | 860 | 340 | 570 | 1240 | |
| | 654 | 153 | 336 | 856 | Laterale Federsteife [N/mm] Lateral spring stiffness [N/mm] | 2010 | 582 | 1120 | 2930 | |
| | 0.09 | 0.21 | 0.15 | 0.06 | Max. lateraler Wellenversatz [mm] Max. lateral shaft misalignment [mm] | 0.06 | 0.15 | 0.10 | 0.04 | |
| | 0.9 | 1.1 | 1.0 | 0.8 | Max. angularer Wellenversatz [Grad] Max. angular shaft misalignment [Degree] | 0.9 | 1.1 | 1.0 | 0.8 | |
| | +1.0/-0.5 | | | | Max. axialer Wellenversatz [mm] Max. axial shaft misalignment [mm] | +1.2/-0.5 | | | | |
| | 25400 | | | | max. Drehzahl [rpm] max. speed [rpm] | 19000 | | | | |
| | 1.8 | | | | Anzugsmoment der Schrauben M _A [Nm] Tightening torque of screws M _A [Nm] | 3.0 | | | | |

SKP-60

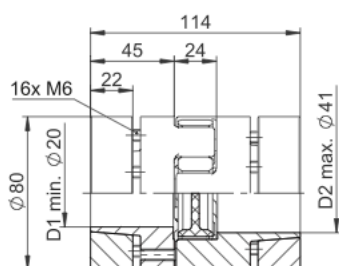


| R | Y | G | | R | Y | G |
|-----------|------|------|---|-----------|------|------|
| 60 | 35 | 75 | Nennmoment [Nm] Nominal torque [Nm] | 160 | 95 | 200 |
| 120 | 70 | 150 | Maximalmoment [Nm] Max. torque [Nm] | 320 | 190 | 400 |
| 2060 | 1430 | 2980 | Statische Drehfedersteife [Nm/rad] Static spring stiffness [Nm/rad] | 3440 | 2290 | 4350 |
| 2560 | 1480 | 3696 | Laterale Federsteife [N/mm] Lateral spring stiffness [N/mm] | 3200 | 1780 | 4348 |
| 0.10 | 0.14 | 0.07 | Max. lateraler Wellenversatz [mm] Max. lateral shaft misalignment [mm] | 0.11 | 0.15 | 0.08 |
| 0.9 | 1.0 | 0.8 | Max. angularer Wellenversatz [Grad] Max. angular shaft misalignment [Degree] | 0.9 | 1.0 | 0.8 |
| +1.4/-0.5 | | | Max. axialer Wellenversatz [mm] Max. axial shaft misalignment [mm] | +1.5/-0.7 | | |
| 13800 | | | max. Drehzahl [rpm] max. speed [rpm] | 11700 | | |
| 6.0 | | | Anzugsmoment der Schrauben M _A [Nm] Tightening torque of screws M _A [Nm] | 6.0 | | |

SKP-160

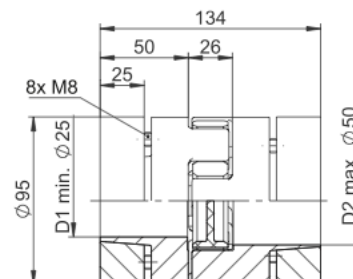


SKP-325

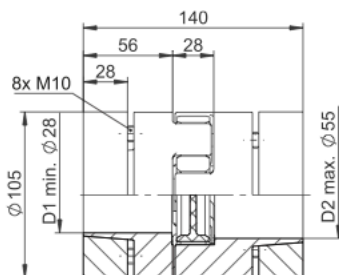


| R | Y | G | | R | Y | G |
|-----------|------|-------|---|-----------|------|-------|
| 325 | 190 | 405 | Nennmoment [Nm] Nominal torque [Nm] | 450 | 265 | 560 |
| 650 | 380 | 810 | Maximalmoment [Nm] Max. torque [Nm] | 900 | 530 | 1120 |
| 7160 | 4580 | 10540 | Statische Drehfedersteife [Nm/rad] Static spring stiffness [Nm/rad] | 19200 | 6300 | 27580 |
| 4400 | 2350 | 6474 | Laterale Federsteife [N/mm] Lateral spring stiffness [N/mm] | 5930 | 2430 | 7270 |
| 0.12 | 0.17 | 0.09 | Max. lateraler Wellenversatz [mm] Max. lateral shaft misalignment [mm] | 0.14 | 0.19 | 0.10 |
| 0.9 | 1.0 | 0.8 | Max. angularer Wellenversatz [Grad] Max. angular shaft misalignment [Degree] | 0.9 | 1.0 | 0.8 |
| +1.8/-0.7 | | | Max. axialer Wellenversatz [mm] Max. axial shaft misalignment [mm] | +2.0/-1.0 | | |
| 9550 | | | max. Drehzahl [rpm] max. speed [rpm] | 8050 | | |
| 10.0 | | | Anzugsmoment der Schrauben M _A [Nm] Tightening torque of screws M _A [Nm] | 35.0 | | |

SKP-450



SKP-525



| R | Y | G | |
|-----------|------|-------|---|
| 525 | 310 | 655 | Nennmoment [Nm] Nominal torque [Nm] |
| 1050 | 620 | 1310 | Maximalmoment [Nm] Max. torque [Nm] |
| 22370 | 7850 | 36200 | Statische Drehfedersteife [Nm/rad] Static spring stiffness [Nm/rad] |
| 5930 | 2580 | 8274 | Laterale Federsteife [N/mm] Lateral spring stiffness [N/mm] |
| 0.16 | 0.23 | 0.11 | Max. lateraler Wellenversatz [mm] Max. lateral shaft misalignment [mm] |
| 0.9 | 1.0 | 0.8 | Max. angularer Wellenversatz [Grad] Max. angular shaft misalignment [Degree] |
| +2.1/-1.0 | | | Max. axialer Wellenversatz [mm] Max. axial shaft misalignment [mm] |
| 7200 | | | max. Drehzahl [rpm] max. speed [rpm] |
| 69.0 | | | Anzugsmoment der Schrauben M _A [Nm] Tightening torque of screws M _A [Nm] |