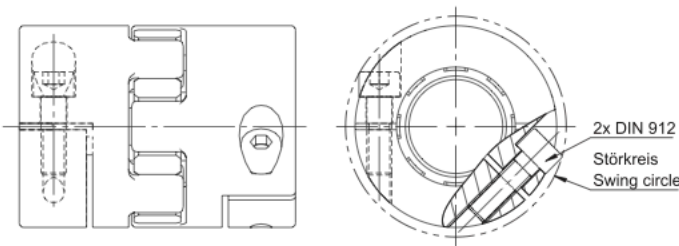


# Ausgleichskupplungen Compensation couplings

## Elastomerkupplung SKL Lange Ausführung mit Klemmnabe

## Elastomer coupling SKL Long version with clamping hub



### Merkmale

- Klemmnaben aus hochfestem Aluminium
- Spielfreie Drehmomentübertragung durch Vorspannung
- Montagefreundlich, da steckbar
- Elektrisch isolierend
- Optimales Dämpfungsverhalten durch Elastomersterne in 98° Shore A Ausführung
- Hohe Temperaturbeständigkeit
- Niedriges Massenträgheitsmoment
- Ideal für Servomotoren
- Ausgleich von radialem, axialem und winkligem Versatz
- Weitere Elastomersternhärten lieferbar
- Sonderausführungen auf Anfrage

### Bestellbezeichnung / Beispiel:

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

### Characteristics

- Clamping hub made of high strength aluminium
- Backlash-free torque transmission
- Easy assembly, connectible
- 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
- Compensation of radial, axial and angular misalignment
- Various kinds of elastomer hardness of spiders
- Customized execution on demand

### Order description / example:

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

### Standard Optionen / Standardized options



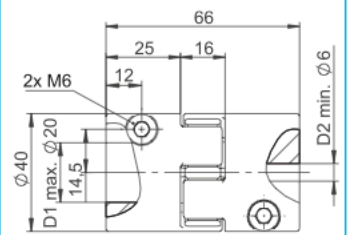
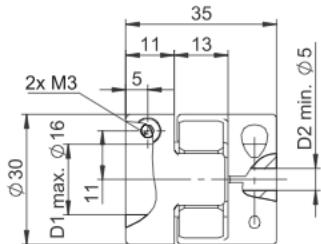
Material/material  
 S=Stahl/steel  
 E=Edelstahl/stainless steel

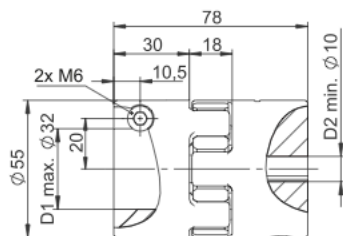
Shore Typ Elastomerstern/shore type elastomer spider  
 80 Sh A, 92 Sh A, 64 Sh D-H, 64 Sh D

Elastomerstern/elastomer spider  
 G=gebohrt/G=drilled

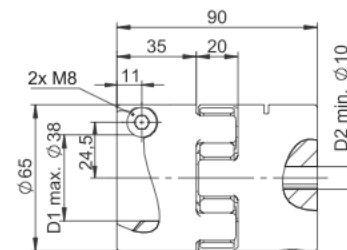
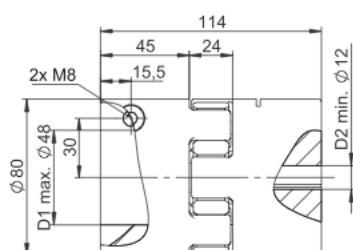
Gewünschte Optionen müssen im Bestelltext angegeben werden (Legende Symbole S. 7). Desired options have to be mentioned in the order text (key symbols p. 7).

SKL-12	R	B	Y	G	Nennmoment [Nm] Nominal torque [Nm]	R	B	Y	G	SKL-17
		12	4	7.5		18		17	5	
	24	8	15	36	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				
	13000				max. Drehzahl [rpm] max. speed [rpm]	10000				
	2.0				Anzugsmoment der Schrauben M <sub>A</sub> [Nm] Tightening torque of screws M <sub>A</sub> [Nm]	11.0				
	32.2				Störkreis [ø mm] Swing circle [ø mm]	46.0				

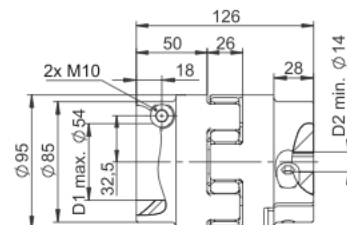
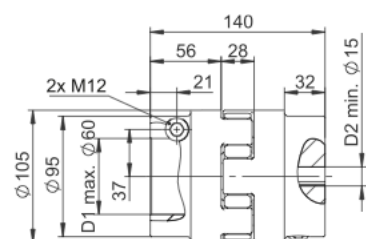


**SKL-60**


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		
7000			max. Drehzahl [rpm] max. speed [rpm]	6000		
15.0			Anzugsmoment der Schrauben M <sub>A</sub> [Nm] Tightening torque of screws M <sub>A</sub> [Nm]	32.0		
57.0			Störkreis [ø mm] Swing circle [ø mm]	71.0		

**SKL-160**

**SKL-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		
5000			max. Drehzahl [rpm] max. speed [rpm]	4000		
38.0			Anzugsmoment der Schrauben M <sub>A</sub> [Nm] Tightening torque of screws M <sub>A</sub> [Nm]	84.0		
83.0			Störkreis [ø mm] Swing circle [ø mm]	95.0		

**SKL-450**

**SKL-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]
3600			max. Drehzahl [rpm] max. speed [rpm]
145.0			Anzugsmoment der Schrauben M <sub>A</sub> [Nm] Tightening torque of screws M <sub>A</sub> [Nm]
106.0			Störkreis [ø mm] Swing circle [ø mm]