

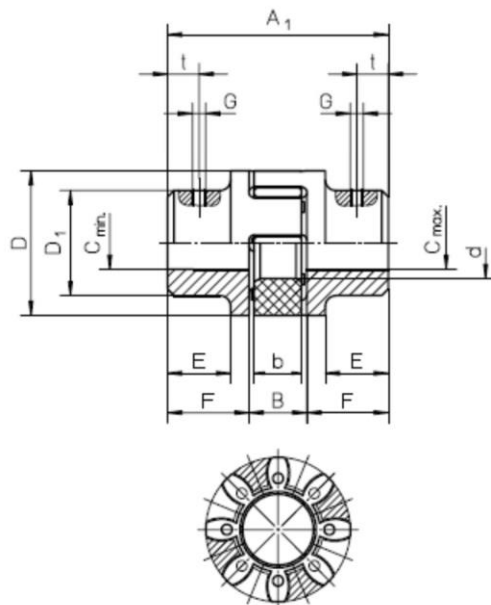
Flexible couplings

RA, RG

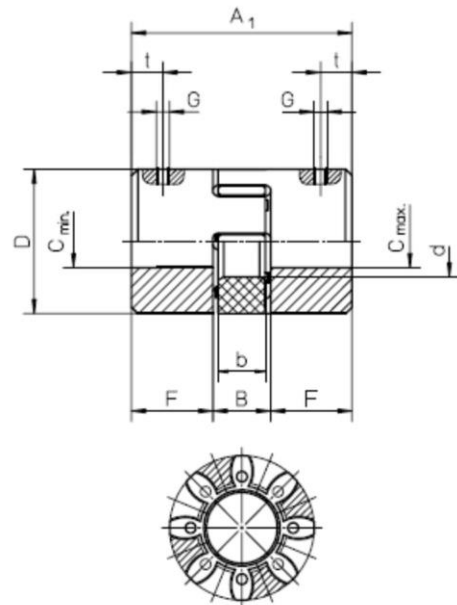


Flexible couplings transmit the torque by positive locking, and compensate for slight nonalignment, stagger and offset of shafts.
Standard toothed ring 92 Shore A.

Version 1

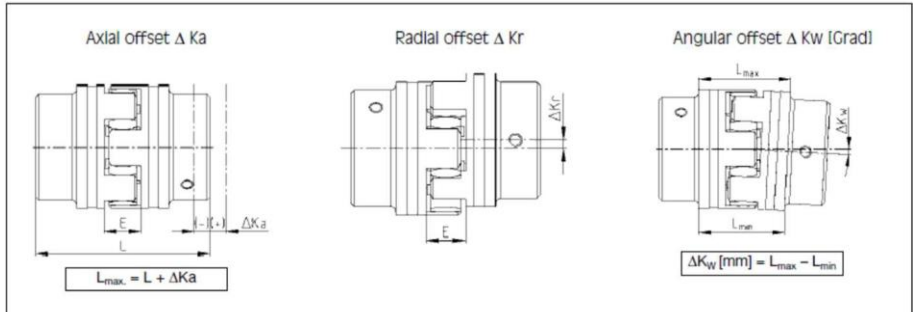


Version 1a

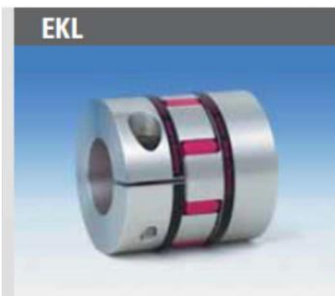


Offsets

In the case of the standard and large hubs RA 14–48, the tapped hole G for the locking screw is located opposite the groove.
Locking screws according to DIN 916 with toothed washer.

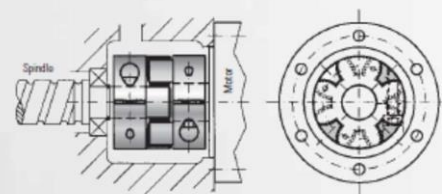


EKL



with clamping hub,
compact version

- short compact design
- low inertia
- easy assembly



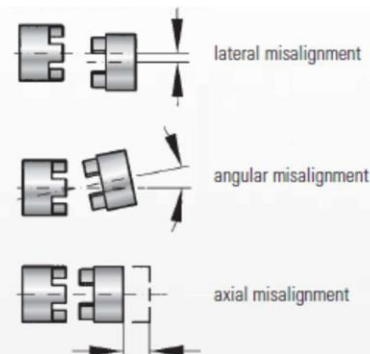
see page 5

Areas of application:

- Servo drives
- Machine tools
- Packaging machinery
- Plant automation
- Printing machinery
- Industrial robots
- Measurement and positioning units
- general mechanical engineering
- Linking screw jacks, linear actuators, encoders

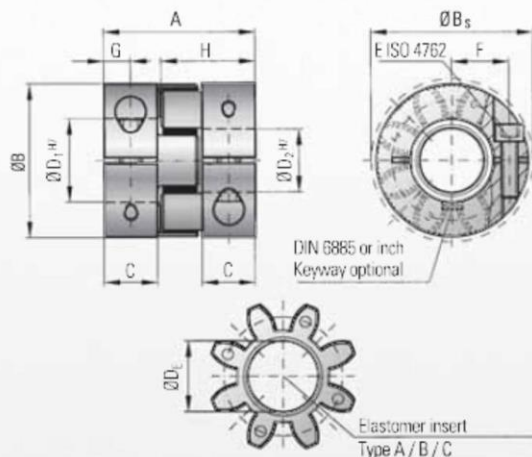
Properties of the product range:

- vibration dampening
- electrically insulating (standard)
- backlash-free
- press-fit design
- compensation of lateral-, angular- and axial misalignment



MODEL EKL

TECHNICAL SPECIFICATIONS



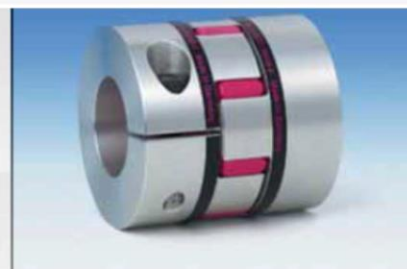
Properties:

Material:

Design:

*Speeds:

Tolerance:



Compact version

- short compact design
 - easy assembly
 - vibration dampening
 - electrically insulating
 - backlash-free
 - press-fit design
- Clamping hub: up to series 450 high strength aluminum, from series 800 and up steel
Elastomer insert: precision molded, wear resistant, and thermally stable polymer
- Two coupling hubs are concentrically machined with concave driving jaws
- Over 4.000 rpm a finely balanced version is available
- On the hub/shaft connection 0,01 to 0,05 mm



Model EKL		10		
Type (Elastomer insert)		A	M	C
Rated torque (Nm)	T_{KN}	12,5	16	4
Max. torque** (Nm)	T_{Kmax}	25	32	6
Overall length (mm)	A	32		
Outer diameter (mm)	B	32		
Outer diameter with screwhead (mm)	B_S	32		
Mounting length (mm)	C	10,3		
Inner diameter range H7 (mm)	$D_{1/2}$	4 - 16		
Inner diameter max. (elastomer) (mm)	D_E	14,2		
Mounting Screw (ISO 4762/12.9)		M4		
Tightening torque of the mounting screw (Nm)	E	4		
Distance between centers (mm)	F	10,5		
Distance (mm)	G	5		
Hub length (mm)	H	20,7		
Moment of inertia (10^{-3} kgm^2)	J_1/J_2	0,01		
Approx. weight (kg)		0,05		
Speed* (rpm)		20.000		



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