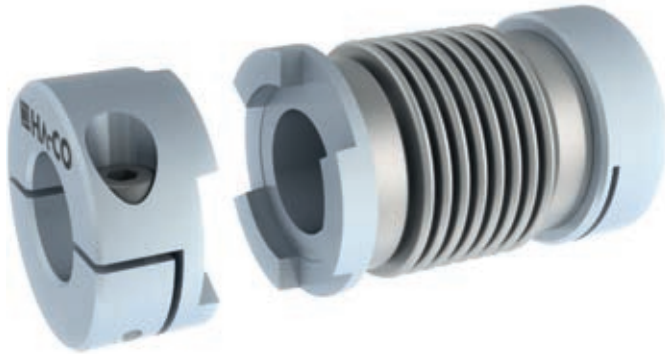


Metallbalgkupplung MKS steckbar mit Klemmnabe

Metal bellow coupling MKS connectible with clamping hub



Merkmale

- Kleines Massenträgheitsmoment
- Montagefreundlich durch steckbare Klemmnabe
- Klemmnaben aus Aluminium
- Kleiner Einbauraum
- Wartungsfrei
- Ausgewuchtet
- Balg durch Hülse vor Stauchung und Verformung geschützt
- Ausgleich von Fluchtungsfehlern

Werkstoff der Naben: Aluminium
 Werkstoff des Metallbalges: Edelstahl
 Verbindung Balg-Nabe: eingerollt (MKS-8 geklebt)

Bestellbezeichnung / Beispiel:

MKS-30 - 10H7 - 12H7
 Typ+Größe Bohrung D1 Bohrung D2

Hinweise:

Der Metallblag ist bei Fehlmanipulation (falsche Steckposition) durch im innern angebrachte Schutzhülse vor Stauchung geschützt. Die axiale Vorspannung des Metallbalges (jeweils 1mm) garantiert eine absolute Spielfreiheit in der Steckverbindung.

Characteristics

- Very mass moment of inertia torque
- Easy assembly by connectible clamping hub
- Clamping hub in aluminium
- Less assembly space required
- Maintenance-free
- Balanced
- Metal bellows protected of compression by a sleeve
- Compensation of alignment mistakes

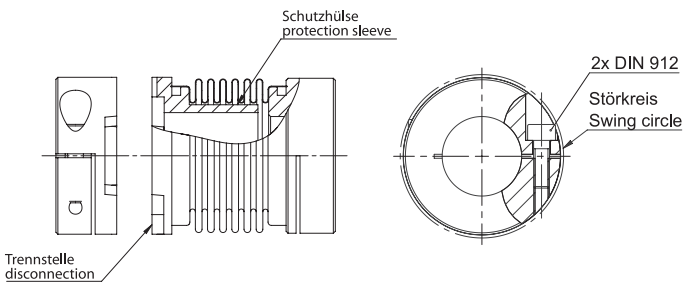
Material of hubs: aluminium
 Material of bellows: stainless steel
 Connection of bellows to hub: rolled up (MKS-8 glued)

Order description / example:

MKS-30 - 10H7 - 12H7
 Type+Size Bore D1 Bore D2

Note:

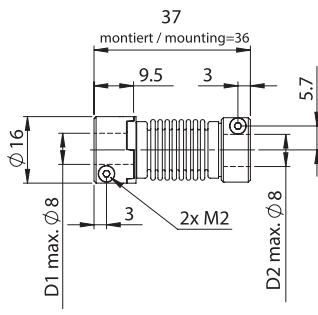
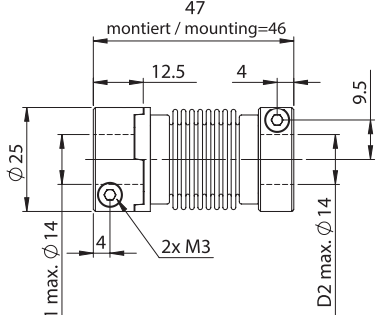
The bellow is protected by an inside protection sleeve to avoid damaging manipulation and a compression of the bellow. The axial pre-charge of the bellow of 1mm guaranties a backlash free connection.

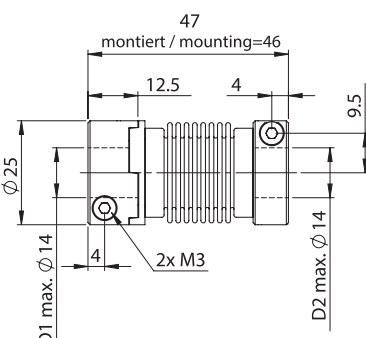
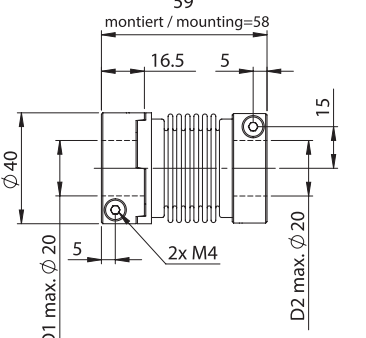


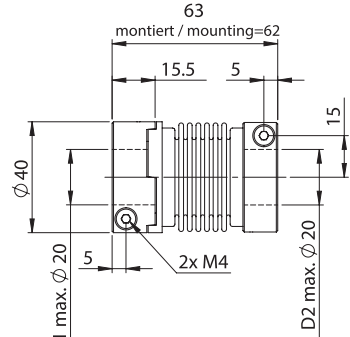
Standard Optionen / Standardized options



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).

MKS-8	0.8 [Nm]	Nennmoment Nominal torque	1.5 [Nm]	MKS-15
 <p>Technical drawing of MKS-8 coupling showing dimensions: total length 37, mounting length 36, shaft diameter D1 max. $\varnothing 8$, D2 max. $\varnothing 8$, and other specific dimensions like 9.5, 3, 5.7, and 2x M2 screws.</p>	370 [10 ³ Nm/rad]	Torsionssteife Torsional stiffness	620 [10 ³ Nm/rad]	 <p>Technical drawing of MKS-15 coupling showing dimensions: total length 47, mounting length 46, shaft diameter D1 max. $\varnothing 14$, D2 max. $\varnothing 14$, and other specific dimensions like 12.5, 4, 9.5, and 2x M3 screws.</p>
	20 [N/mm]	Laterale Federsteife Lateral spring stiffness	7 [N/mm]	
	26 [N/mm]	Axiale Federsteife Axial spring stiffness	13 [N/mm]	
	± 0.1 [mm]	Max. lateraler Wellenversatz Max. lateral shaft misalignment	± 0.15 [mm]	
	± 0.3 [mm]	Max. axialer Wellenversatz Max. axial shaft misalignment	± 0.5 [mm]	
	± 1 [Grad] [Degree]	Max. angularer Wellenversatz Max. angular shaft misalignment	± 1 [Grad] [Degree]	
	0.35 [10 ⁻⁶ kgm ²]	Trägheitsmoment Inertia torque	6 [10 ⁻⁶ kgm ²]	
	14 [g]	Masse Mass	40 [g]	
	1 M _A [Nm]	Anzugsmoment der Schrauben Tightening torque of screws	2 M _A [Nm]	
	17.4 [\varnothing mm]	Störkreis Swing circle	25.8 [\varnothing mm]	

MKS-30	3 [Nm]	Nennmoment Nominal torque	4.5 [Nm]	MKS-45
 <p>Technical drawing of MKS-30 coupling showing dimensions: total length 47, mounting length 46, shaft diameter D1 max. $\varnothing 14$, D2 max. $\varnothing 14$, and other specific dimensions like 12.5, 4, 9.5, and 2x M3 screws.</p>	1220 [10 ³ Nm/rad]	Torsionssteife Torsional stiffness	3200 [10 ³ Nm/rad]	 <p>Technical drawing of MKS-45 coupling showing dimensions: total length 59, mounting length 58, shaft diameter D1 max. $\varnothing 20$, D2 max. $\varnothing 20$, and other specific dimensions like 16.5, 5, 15, and 2x M4 screws.</p>
	14 [N/mm]	Laterale Federsteife Lateral spring stiffness	7 [N/mm]	
	22 [N/mm]	Axiale Federsteife Axial spring stiffness	14 [N/mm]	
	± 0.15 [mm]	Max. lateraler Wellenversatz Max. lateral shaft misalignment	± 0.2 [mm]	
	± 0.5 [mm]	Max. axialer Wellenversatz Max. axial shaft misalignment	± 0.7 [mm]	
	± 1 [Grad] [Degree]	Max. angularer Wellenversatz Max. angular shaft misalignment	± 1 [Grad] [Degree]	
	7 [10 ⁻⁶ kgm ²]	Trägheitsmoment Inertia torque	23 [10 ⁻⁶ kgm ²]	
	48 [g]	Masse Mass	120 [g]	
	5 M _A [Nm]	Anzugsmoment der Schrauben Tightening torque of screws	5 M _A [Nm]	
	27.5 [\varnothing mm]	Störkreis Swing circle	41.1 [\varnothing mm]	

MKS-130	13 [Nm]	Nennmoment Nominal torque	
 <p>Technical drawing of MKS-130 coupling showing dimensions: total length 63, mounting length 62, shaft diameter D1 max. $\varnothing 20$, D2 max. $\varnothing 20$, and other specific dimensions like 15.5, 5, 15, and 2x M4 screws.</p>	8700 [10 ³ Nm/rad]	Torsionssteife Torsional stiffness	
	33 [N/mm]	Laterale Federsteife Lateral spring stiffness	
	57 [N/mm]	Axiale Federsteife Axial spring stiffness	
	± 0.25 [mm]	Max. lateraler Wellenversatz Max. lateral shaft misalignment	
	± 0.7 [mm]	Max. axialer Wellenversatz Max. axial shaft misalignment	
	± 1 [Grad] [Degree]	Max. angularer Wellenversatz Max. angular shaft misalignment	
	31 [10 ⁻⁶ kgm ²]	Trägheitsmoment Inertia torque	
	140 [g]	Masse Mass	
	5 M _A [Nm]	Anzugsmoment der Schrauben Tightening torque of screws	
	41.1 [\varnothing mm]	Störkreis Swing circle	