MKS

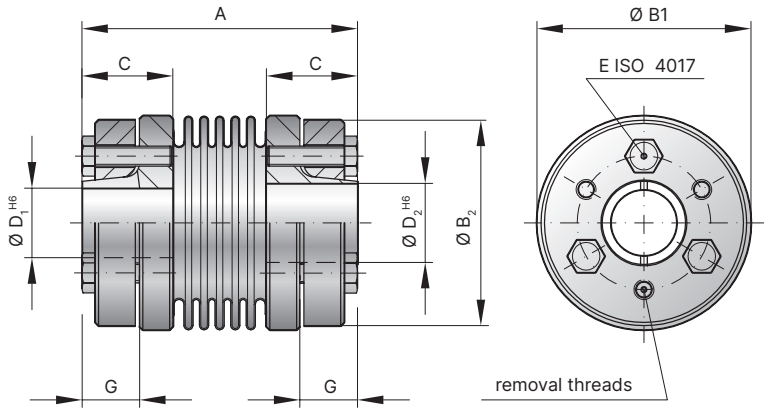
With conical clamping ring

4.5 – 15 Nm
High Speed

Features
- For high speeds
- Self centering conical clamping ring design
- High balancing grade

Material
- **Bellows:** high grade stainless steel
- **Hubs and clamping rings:** aluminum

Design
Two hubs with conical clamping ring and three or four screws.
Maximum speed up to 120,000 rpm.



Model MKS

Size			45	100	150
Rated torque	(Nm)	T_{KN}	4.5	10	15
Overall length	(mm)	A	42	48	53
Outside diameter	(mm)	B_1	32	40	49
Outside diameter of hub	(mm)	B_2	30	38	46
Fit length	(mm)	C	14	16	20
Inside diameter possible from Ø to Ø H6	(mm)	$D_{1/2}$	6-10	8-14	10-19
Fastening screw ISO 4017	(mm)	E	3x M3	4x M3	8x M3
Tightening torque of the fastening screw	(Nm)		1.3	1.3	1.3
Distance	(mm)	G	8.5	9.5	13
Moment of inertia	(gcm^2)	$J_{ges.}$	65	226	561
Approximate weight	(g)		51	103	171
Torsional stiffness	(Nm/rad)	C_T	7,000	9,050	23,000
Axial	(mm)	Max. values	0.5	0.75	0.75
Lateral	(mm)		0.5 0.05*	0.75 0.05*	0.1 0.05*
Angular	(degree)		0.5	0.5	0.5

For speeds beyond 50,000 rpm use reduced misalignment values marked with *

Ordering example	MKS	45	8	10	XX
Model	●				Special designation only (e.g. special bore tolerance).
Size		●			
Bore D1 H6			●		
Bore D2 H6				●	

For custom features place an XX at the end of the part number and describe the special requirements (e.g. MKS / 45 / 8 / 9.53 / XX; XX=anodized aluminum hubs)