

# Sliced Couplings ASK



High stiffness	Wide range of variations	Highly accurate mounting	No backlash	High speed

Max. rated torque [N·m]	200
Bore ranges [mm]	φ 3 ~ 55
Operating temperature [°C]	-20 ~ 120
Drive	Servomotor, induction motor
Applications	Machine tool / semiconductor manufacturing equipment / printing press / packing machine

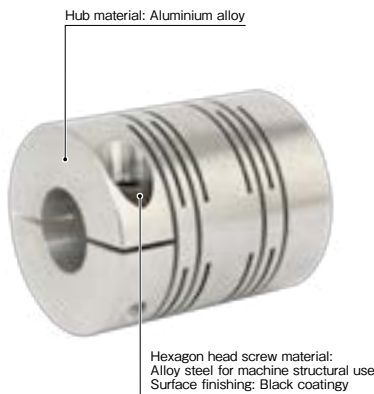
## High Speed Sliced Couplings with Zero Backlash



The ASK sliced coupling is a flexible shaft coupling, designed to equalise all kind of misalignment in a shaft to shaft connection. Due to its unique slit structure and material possibilities, it can handle high rotation speeds as well high temperature ranges.

### Structure and Materials

#### ■ ASK Aluminium



#### ■ ASK Stainless steel



#### ■ ASK Steel



# ASK Models

COUPLINGS

ELECTROMAGNETIC  
CLUTCHES & BRAKES

TORQUE LIMITERS

## Specifications (aluminium alloy)

Model	Type		Torque		Misalignment			Max. rotation speed [min <sup>-1</sup> ]	Torsional stiffness [N-m/rad]	Moment of inertia [kg-m <sup>2</sup> ]	Mass [kg]
	BB [Clamping hub]	BBH [Removable clamping hub]	Rated [N-m]	Maximum [N-m]	Parallel [mm]	Angular [°]	Axial [mm]				
ASK 018	●	—	1	2	0.15	0.5	0.2	11500	103	0.45 × 10 <sup>-6</sup>	0.008
ASK 020	●	—	1.5	3	0.1	1	0.1	11500	407	1.05 × 10 <sup>-6</sup>	0.017
ASK 022	●	—	1	2	0.15	1	0.1	11500	690	1.15 × 10 <sup>-6</sup>	0.019
ASK 025	●	—	3	6	0.1	1	0.1	10000	533	2.39 × 10 <sup>-6</sup>	0.024
ASK 030	●	●	4	8	0.1	0.85	0.1	8000	868	6.80 × 10 <sup>-6</sup>	0.049
ASK 040	●	●	9	18	0.15	0.85	0.1	7500	3767	27.9 × 10 <sup>-6</sup>	0.110
ASK 050	●	●	15	30	0.15	0.7	0.1	7000	7196	89.7 × 10 <sup>-6</sup>	0.210
ASK 060	●	●	32	65	0.15	0.7	0.15	6000	12750	253.7 × 10 <sup>-6</sup>	0.420
ASK 070	●	●	60	120	0.1	0.33	0.1	5000	66768	506.6 × 10 <sup>-6</sup>	0.648
ASK 080	●	●	85	170	0.1	0.33	0.1	4000	78189	962.4 × 10 <sup>-6</sup>	0.858
ASK 100	●	●	150	300	0.1	0.33	0.1	3500	278893	2826 × 10 <sup>-6</sup>	1.632

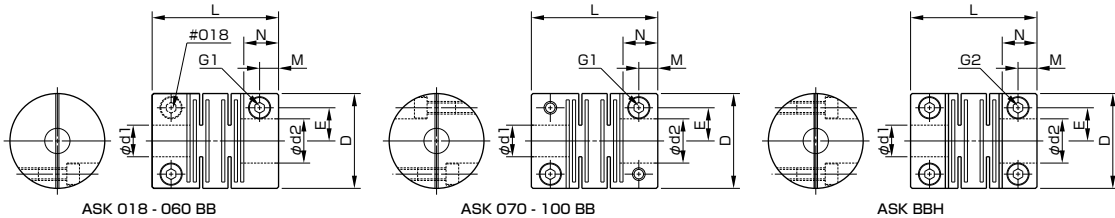
## Specifications (steel / stainless steel)

Model	Type		Torque		Misalignment			Max. rotation speed [min <sup>-1</sup> ]	Torsional stiffness [N-m/rad]	Moment of inertia [kg-m <sup>2</sup> ]	Mass [kg]
	BB [Clamping hub]	BBH [Removable clamping hub]	Rated [N-m]	Maximum [N-m]	Parallel [mm]	Angular [°]	Axial [mm]				
ASK 020	●	—	5	10	0.1	0.5	0.1	11500	1189	2.88 × 10 <sup>-6</sup>	0.046
ASK 025	●	—	7	14	0.1	1	0.1	10000	1558	6.48 × 10 <sup>-6</sup>	0.064
ASK 030	●	●	9	18	0.1	0.85	0.1	8000	2530	18.6 × 10 <sup>-6</sup>	0.134
ASK 040	●	●	15	30	0.15	0.85	0.1	7500	11008	75.8 × 10 <sup>-6</sup>	0.300
ASK 050	●	●	30	60	0.15	0.5	0.1	7000	20995	246 × 10 <sup>-6</sup>	0.577
ASK 060	●	●	55	110	0.15	0.5	0.1	6000	37165	694 × 10 <sup>-6</sup>	1.150
ASK 070	●	●	95	190	0.1	0.3	0.06	5000	196024	1380 × 10 <sup>-6</sup>	1.753
ASK 080	●	●	120	240	0.06	0.3	0.06	4000	229524	2620 × 10 <sup>-6</sup>	2.330
ASK 100	●	●	200	400	0.06	0.3	0.06	3500	821288	7680 × 10 <sup>-6</sup>	4.423

SERIES

Metal Couplings	Metal Disc Couplings SERVOFLEX
	Metal Coil Spring Couplings BAUMANNFLEX
	Pin Bushing Couplings PARAFLEX
	Sliced Couplings ASK
Rubber and Plastic Couplings	Rigid Couplings STK
	Jaw Couplings MIKI PULLEY STARFLEX
	Jaw Couplings SPRFLEX
	Dual Rubber Couplings STEPFLEX

## Dimensions



Unit [mm]

Model	d1 • d2			D	L	M	N	E	G1 Qty – Nominal diameter	G2 Qty – Nominal diameter	Tightening torque of screws [N-m]
	Pilot bore	Min.	Max.								
ASK 018	2.5	3	6	18	17	2.5	5	5.5	2-M2.5	—	1.0
ASK 020	2.5	3	8	20	28	4	8	6.5	2-M2.5	—	1.0
ASK 022	2.5	3	10	22	20	2.75	5.5	7.2	2-M2.5	—	1.0
ASK 025	3.5	5	12	25	28	4	8	9	2-M3	—	1.5
ASK 030	5.5	6	15	30	40	5.5	11	10.5	2-M4	4-M4	3.4
ASK 040	5.5	6	20	40	48	5.5	11	14	2-M5	4-M5	7.0
ASK 050	8.5	9	26	50	65	9.5	19	18.5	2-M6	4-M6	14
ASK 060	9.5	10	30	60	80	12.5	25	21	2-M8	4-M8	27
ASK 070	14.5	15	38	70	95	12.5	25	25	4-M8	4-M8	27
ASK 080	22	24	42	80	100	12.5	25	29	4-M8	4-M8	27
ASK 100	27.5	30	55	100	118	15	30	37	4-M10	4-M10	54

• Standard bore tolerance H7, further tolerances possible on request.  
• Keyway possible on request.

MODELS

ASK

### How to Place an Order

ASK 030 BB 10H7/12H7 AL

