

Sliced coupling

ASK MODEL



Sliced coupling

The ASK sliced coupling is the ideal tool for equalizing all kinds of offset. Its unique slit structure represents the perfect solution for misaligned shafts or installation situations involving high levels of resonance.



But the benefits of the parallel slit levels are not restricted to resonance damping: The ASK type series is also ideally suited to applications involving frequent load changes, even during reversing duty.

Another standout feature of this coupling is its one-part, compact design. The resulting high torsional stiffness and true running accuracy create excellent rotational characteristics that enable high speeds to be achieved.

Thanks to the simple assembly method, which can be performed in a matter of seconds using just a single DIN 911 tool, couplings of this type can be incorporated into any drive train.

ASK sliced couplings from the standard range are suitable for shaft diameters ranging from 4 to 60 mm. However, we also offer a large number of special designs that allow you to choose from a wide range of fastening options - from the standard clamping hub connection, grub screw fastening on the shaft, spread hubs for hollow shafts, half-shell designs, and thread shaft connections, right through to VMA clamping device fastening methods that are suitable for larger diameters and ensure completely backlash - free power transmission.

Sliced couplings can be used in a varied range of applications. Their technology can be adapted to meet customer - specific requirements.

SLICED COUPLING

ASK MODEL



Specifications (aluminium alloy)

Model	Type		Rated torque [N-m]	Maximum torque [N-m]	Permitted misalignment			Torsional stiffness [N-m/rad]	Moment of inertia [kg-m ²]	Mass [kg]
	BB (Clamping)	BBH (Removable clamping)			Lateral [mm]	Angular [°]	Axial [mm]			
ASK 018	●	-	1	2	0.15	0.5	0.2	103	0.45 × 10 ⁻⁶	0.008
ASK 020	●	-	1.5	3	0.1	1	0.1	407	1.05 × 10 ⁻⁶	0.017
ASK 025	●	-	3	6	0.1	1	0.1	533	2.39 × 10 ⁻⁶	0.024
ASK 030	●	●	4	8	0.1	0.85	0.1	868	6.80 × 10 ⁻⁶	0.049
ASK 040	●	●	9	18	0.15	0.85	0.1	3767	27.9 × 10 ⁻⁶	0.110
ASK 050	●	●	15	30	0.15	0.7	0.1	7196	89.7 × 10 ⁻⁶	0.210
ASK 060	●	●	32	65	0.15	0.7	0.15	12750	253.7 × 10 ⁻⁶	0.420
ASK 070	●	●	60	120	0.1	0.33	0.1	66768	506.6 × 10 ⁻⁶	0.648
ASK 080	●	●	85	170	0.1	0.33	0.1	78189	962.4 × 10 ⁻⁶	0.858
ASK 100	●	●	150	300	0.1	0.33	0.1	278893	2826 × 10 ⁻⁶	1.632

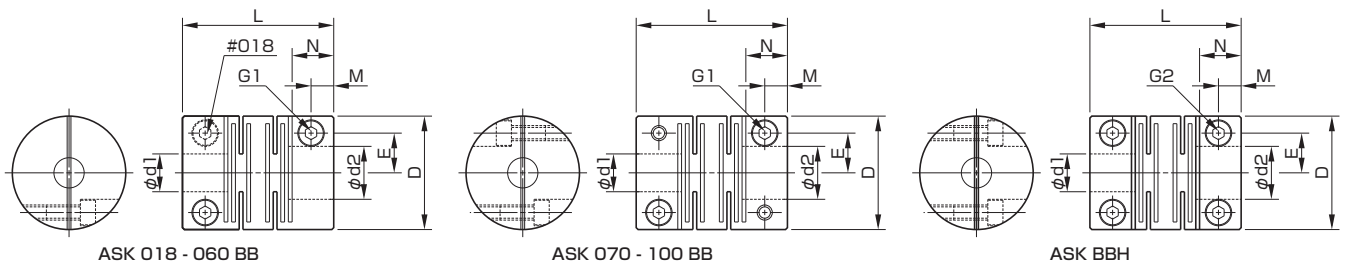
* Maximum torque refers to the maximum amount of torque that can be applied for a set amount of time considering eight hours of operation per day and up to around ten instances.

Specifications (steel / stainless steel)

Model	Type		Rated torque [N-m]	Maximum torque [N-m]	Permitted misalignment			Torsional stiffness [N-m/rad]	Moment of inertia [kg-m ²]	Mass [kg]
	BB (Clamping)	BBH (Removable clamping)			Lateral [mm]	Angular [°]	Axial [mm]			
ASK 020	●	-	5	10	0.1	0.5	0.1	1189	2.88 × 10 ⁻⁶	0.046
ASK 025	●	-	7	14	0.1	1	0.1	1558	6.48 × 10 ⁻⁶	0.064
ASK 030	●	●	9	18	0.1	0.85	0.1	2530	18.6 × 10 ⁻⁶	0.134
ASK 040	●	●	15	30	0.15	0.85	0.1	11008	75.8 × 10 ⁻⁶	0.300
ASK 050	●	●	30	60	0.15	0.5	0.1	20995	246 × 10 ⁻⁶	0.577
ASK 060	●	●	55	110	0.15	0.5	0.1	37165	694 × 10 ⁻⁶	1.150
ASK 070	●	●	95	190	0.1	0.3	0.06	196024	1380 × 10 ⁻⁶	1.753
ASK 080	●	●	120	240	0.06	0.3	0.06	229524	2620 × 10 ⁻⁶	2.330
ASK 100	●	-	200	400	0.06	0.3	0.06	821288	7680 × 10 ⁻⁶	4.423

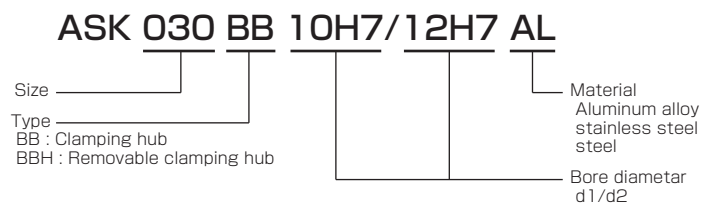
* Maximum torque refers to the maximum amount of torque that can be applied for a set amount of time considering eight hours of operation per day and up to around ten instances.

Dimensions

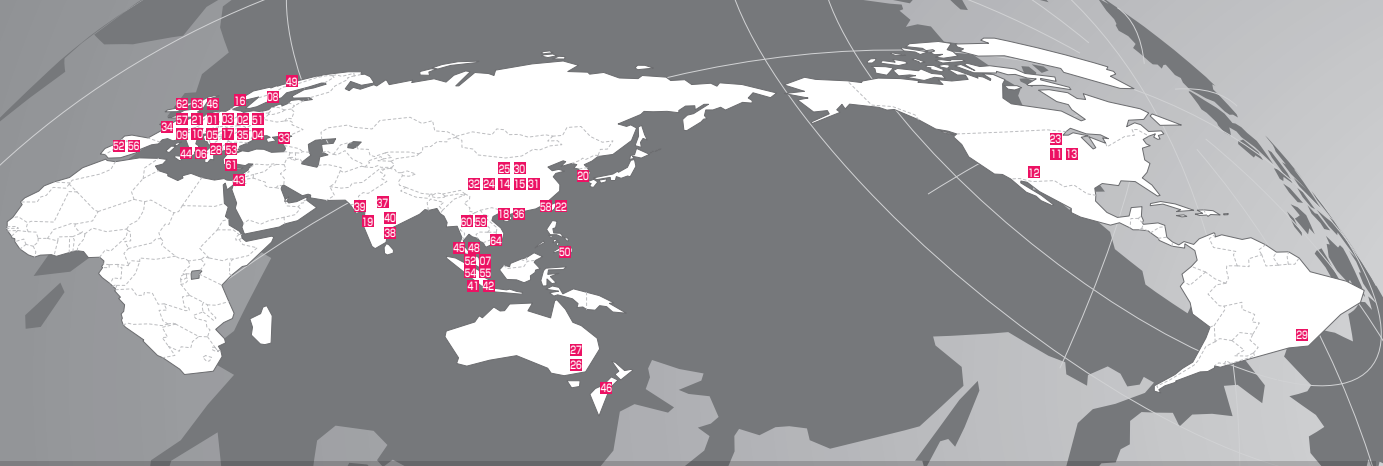


Model	D [mm]	L [mm]	M [mm]	N [mm]	E [mm]	d1 H7 [mm]	d2 H7 [mm]	d1 Pre-drilled [mm]	d2 Pre-drilled [mm]	G1 Qty - nominal dia.	G2 Qty - nominal dia.	Fastening torque of screw [N-m]
ASK 018	18	21	3.5	7	5.5	3-6	3-6	2.5	2.5	2-M2.5	-	1.0
ASK 020	20	28	4	8	6.5	4-8	4-8	2.5	2.5	2-M2.5	-	1.0
ASK 025	25	28	4	8	9	6-12	6-12	3.5	3.5	2-M3	-	1.5
ASK 030	30	40	5.5	11	10.5	6-14	6-14	5.5	5.5	2-M4	4-M4	3.4
ASK 040	40	48	5.5	11	14	8-19	8-19	5.5	5.5	2-M5	4-M5	7.0
ASK 050	50	65	9.5	19	18.5	12-26	12-26	8.5	8.5	2-M6	4-M6	14
ASK 060	60	80	12.5	25	21	14-28	14-28	8.5	8.5	2-M8	4-M8	27
ASK 070	70	95	12.5	25	25	20-35	20-35	18.5	18.5	4-M8	4-M8	27
ASK 080	80	100	12.5	25	29	25-42	25-42	23.5	23.5	4-M8	4-M8	27
ASK 100	100	118	15	30	37	30-55	30-55	28.5	28.5	4-M10	4-M10	54

Order example



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