



Typ

ASK

patented

Sliced coupling – with customizable dimension options

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.

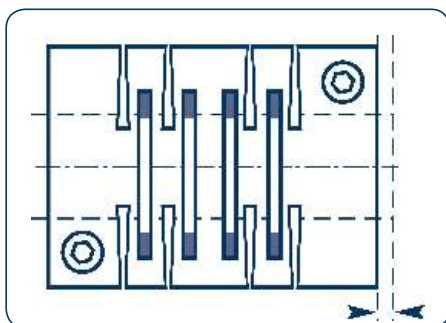
But the benefits of the parallel slit levels are not restricted to resonance damping: The ASK type series is also ideally suited to applications involving frequent load changes, even during reversing duty.

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

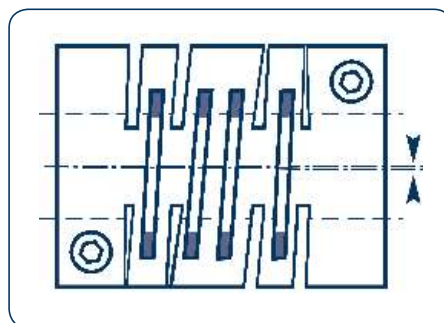
to the simple assembly method, which can be performed in a matter of seconds using just a single DIN 911 tool, couplings of this type can be incorporated into any drive train.

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

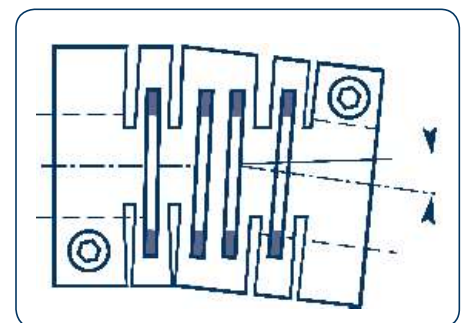
Offset equalizing options with ASK couplings



axial



lateral



angular

TYP		ASK-BB aluminum alloy										
Dimensions in mm												
ASK size		018	022	020	025	030	040	050	060	070	080	100
L		17	20	28	28	40	48	65	80	95	100	118
M		2,5	2,75	4	4	5,5	5,5	9,5	12,5	12,5	12,5	15
N		5	5,5	8	8	11	11	19	25	25	25	30
E		5,5	7,2	6,5	9	10,5	14	18,5	21	25	29	37
D		18	22	20	25	30	40	50	60	70	80	100
D1 ISO fit H7		3-6	3-10	4-8	6-12	6-14	8-19	12-26	14-28	20-35	25-42	30-55
D2 ISO fit H7		3-6	3-10	4-8	6-12	6-14	8-19	12-26	14-28	20-35	25-42	30-55
D1 pre-drilled		2,5	2,5	2,5	3,5	5,5	5,5	8,5	8,5	18,5	23,5	28,5
D2 pre-drilled		6	2,5	2,5	3,5	5,5	5,5	8,5	8,5	18,5	23,5	28,5
G DIN 912		M2,5	M2,5	M2,5	M3	M4	M5	M6	M8	M8	M8	M10
Fastening torque of screw Ma max. Nm		1,57	1,57	1,57	1,88	4,30	8,45	14,5	35	35	35	70
Number of screws		2	2	2	2	2	2	2	2	4	4	4
Installation wrench		DIN 911										
Technical data												
Rated torque Nm		2	2	3	6	8	18	30	65	120	170	300
Torsional stiffness 10³ Nm/Rad		0,2	0,2	0,8	3,4	4,6	11	24	54	88	93	190
Mass		8	15	20	30	50	100	300	400	700	900	1500
Moment of inertia 10 ⁻⁶ kgm²		0,3	0,4	1,5	4,3	11	35	114	285	480	695	1060
Permitted shaft offset	angular °	1	1	2	2	1,7	1,7	1,4	1,4	1,1	1,1	1,1
	lateral mm	0,3	0,3	0,2	0,2	0,2	0,3	0,3	0,3	0,3	0,3	0,3
	axial mm	0,4	0,4	0,2	0,2	0,2	0,2	0,2	0,3	0,3	0,3	0,3

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.

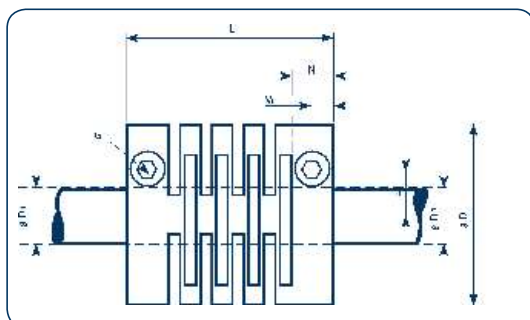


Scan to
find out more!

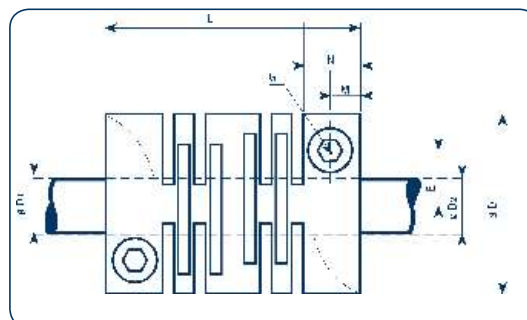
[www.vma-antriebstechnik.de/
highlights-coupling-ask.html](http://www.vma-antriebstechnik.de/highlights-coupling-ask.html)

Material: Aluminum alloy; rust-proof design; steel; all parts are also available with a feather key ways.

Speed: > 6,000 rpm; max. speeds of approx. 20,000 rpm on request; high temperatures of up to 500°C possible



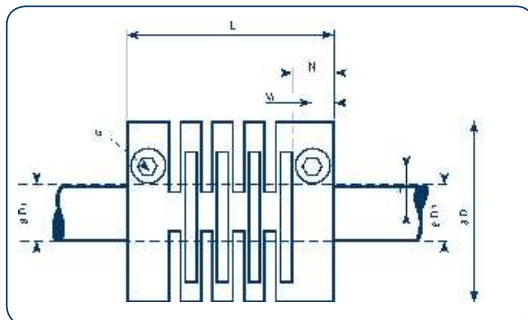
ASK 018 BB / 022



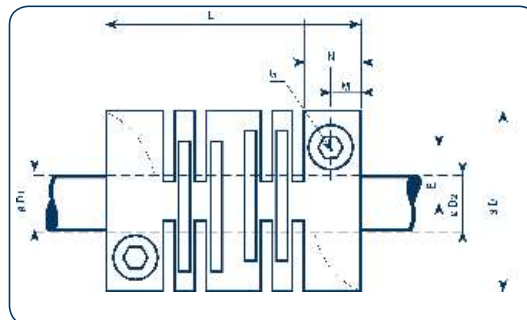
ASK 020-100 BB

TYP		ASK-BB steel/stainless steel								
Dimensions in mm										
ASK size		020	025	030	040	050	060	070	080	100
L		28	28	40	48	65	80	95	100	118
M		4	4	5,5	5,5	9,5	12,5	12,5	12,5	15
N		8	8	11	11	19	25	25	25	30
E		6,5	9	10,5	14	18,5	21	25	29	37
D		20	25	30	40	50	60	70	80	100
D1 ISO fit H7		4-8	6-12	6-14	8-19	12-26	14-28	20-35	25-42	30-55
D2 ISO fit H7		4-8	6-12	6-14	8-19	12-26	14-28	20-35	25-42	30-55
D1 pre-drilled		2,5	3,5	5,5	5,5	8,5	14,5	18,5	23,5	28,5
D2 pre-drilled		2,5	3,5	5,5	5,5	8,5	14,5	18,5	23,5	28,5
G DIN 912		M2,5	M3	M4	M5	M6	M8	M8	M8	M10
Fastening torque of screw Ma max. Nm		1,57	1,88	4,30	8,45	14,5	35	35	35	70
Number of screws		2	2	2	2	2	2	4	4	4
Technical data										
Rated torque Nm		10	14	18	30	60	110	190	240	400
Torsional stiffness 10³ Nm/Rad		0,8	6	8	21	50	95	120	140	180
Mass (approx.) in g		45	75	140	320	650	1300	1850	3100	4200
Permitted shaft offset	angular °	1	2	1,7	1,7	1,0	1,0	1,0	1,0	1,0
	lateral mm	0,2	0,2	0,2	0,3	0,3	0,3	0,3	0,2	0,2
	axial mm	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2	0,2

Material: 1.4305/steel



ASK 018 BB / 022 BB



ASK 020 BB / 100 BB

Sliced couplings for various installation situations and shaft connections

Material: Aluminum alloy; stainless steel; steel; PEEK



Coupling with spread hub for hollow shafts

(order example: ASK 025 BC 6H7/8h6)



Coupling with thread connection for thread shafts

(order example: ASK 018 M-M M5/M6)

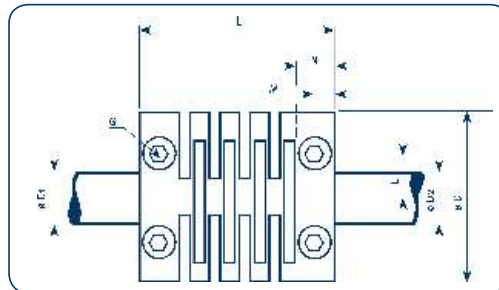
TYP		ASK-BBH						
Dimensions in mm								
ASK size		030	040	050	060	070	080	100
L		40	48	65	80	95	100	118
M		5,5	5,5	9,5	12,5	12,5	12,5	15
N		11	11	19	25	25	25	30
E		10,5	14	18,5	21	25	29	37
D		30	40	50	60	70	80	100
D1 ISO fit H7		6-14	8-19	12-26	14-28	20-35	25-42	30-55
D2 ISO fit H7		6-14	8-19	12-26	14-28	20-35	25-42	30-55
D1 pre-drilled		5,5	5,5	8,5	8,5	18,5	23,5	28,5
D2 pre-drilled		5,5	5,5	8,5	8,5	18,5	23,5	28,5
G DIN 912		M4	M5	M6	M8	M8	M8	M10
Fastening torque of screw Ma max. Nm		4,30	8,45	14,5	35	35	35	70
Number of screws		4	4	4	4	4	4	4
Installation wrench		DIN 911 standard socket wrench						
Technical data								
Rated torque Nm		8	18	30	65	120	170	300
Torsional stiffness 10³ Nm/Rad		4,6	11	24	54	88	93	190
Mass in g		50	100	300	400	700	900	1500
Torsional stiffness 10 ⁻⁶ kgm ²		11	35	114	285	480	695	1060
Permitted shaft offset	angular °	1,7	1,7	1,4	1,4	1,1	1,1	1,1
	lateral mm	0,2	0,3	0,3	0,3	0,3	0,3	0,3
	axial mm	0,2	0,2	0,2	0,3	0,3	0,3	0,3

Material: Aluminum alloy; stainless steel; steel

Speed: > 6,000 rpm; max. speeds of approx. 20,000 rpm on request; high temperatures of up to 500°C possible



ASK 070 BBH



Sliced coupling with removable clamping hubs

The technical data provided is for the ASK type series. If our range does not cover a particular installation situation, please contact us and we will be happy to find the right solution to cater for your application.



ASK BTI

Insulating design for all electrical applications, with polyacetal bushing

(order example: ASK 20 BTI 10H7/11H7)



ASK DD

**Sliced coupling with quick clamping units
Extreme power transmission at high speeds**

(order example: ASK 080 DD 42 H7/38 H7)