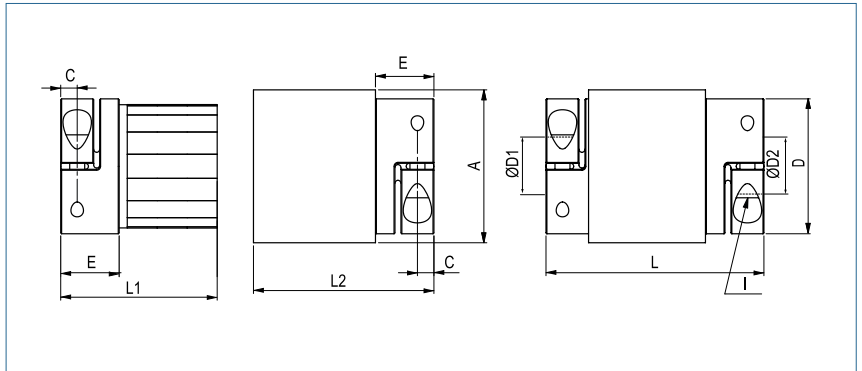
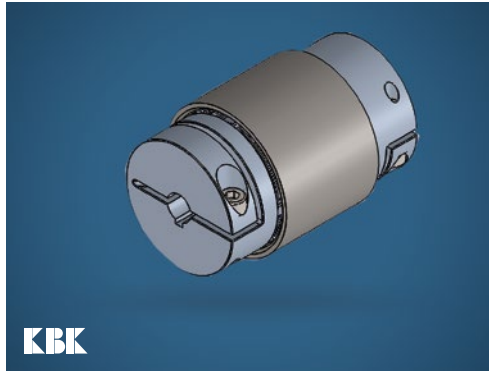


Hysteresis magnetic coupling

with collet clamps

optional full
stainless steel
version


Order Code

HMK - 18 - 16 - 20

Type

Size

ØD1 (H7)

ØD2 (H7)

Size	Torque TKN (Nm)	Dimensions (mm)											Technical Data					
		L	Ø A	D1/D2	L1	L2	H	C	E			I	Mass Inner- part (kg)	Mass Outer- part (kg)	Inertia Innerpart (g m²)	Inertia Quterpart (g m²)	Misalignment radial ΔKr (mm)	max speed min-1
		Length	Outer	Bore Size (H7) min~max						Magnet- length	Hub Ø	Screw (ISO4762) TA (Nm)						
2	0.1	55	31	3-14	39	41	9	3.5	11	20	25	M3 2	0.07	0.11	0.005	0.018	0.2	10000
4	0.2	58	38	6-18	40	42	12	5	13	20	32.5	M4 3.5	0.11	0.15	0.01	0.04	0.2	9000
10	0.4	58	46	6-25	39.5	41.5	15.5	5	13.5	20	40.5	M4 4.5	0.16	0.2	0.04	0.08	0.2	8000
18	0.9	78	51	10-25.4	53.5	58.5	17	5,5	19,5	30	45	M5 8	0.23	0.28	0.07	0.14	0.2	7000
30	1.2	88	56	10-32	58.5	63.5	20	7,5	24.5	36	56	M6 15	0.28	0.35	0.1	0.21	0.2	6000
60	2.5	107	67	12-35	73	78	23	10	29	40	66	M8 40	0.53	0.7	0.3	0.6	0.2	5000
150	5	130	84	12-44	91.5	93.5	28	11	33.5	50	82	M10 84	0.9	1.5	1.1	1.3	0.2	4000



Material

Clamping hub: aluminium
Magnetic media: stainless steel

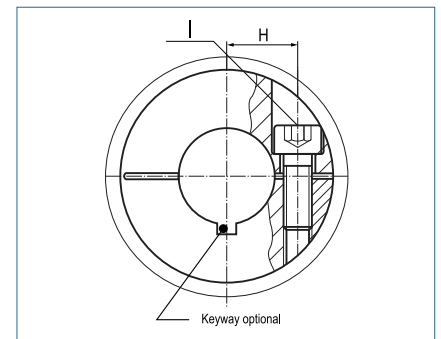
Keyway

optional acc. DIN 6885

Range of temperature

-30 °C ~ 100 °C

Power dissipation

 $P_v = (T \times n_g) / 9.55$


Characteristics

wear-free

maintenance-free

The coupling consists of 2 separated halves; the bearing has to be provided by the customer

Infinitely variable torque adjustable by immersion depth

In case of overload the power transmission will be separated from the inner and outer part (by slightly jerking)

max. Power dissipation							
Size	2	4	10	18	30	60	150
P _{VMAX}	4	5	7	12	14	20	30