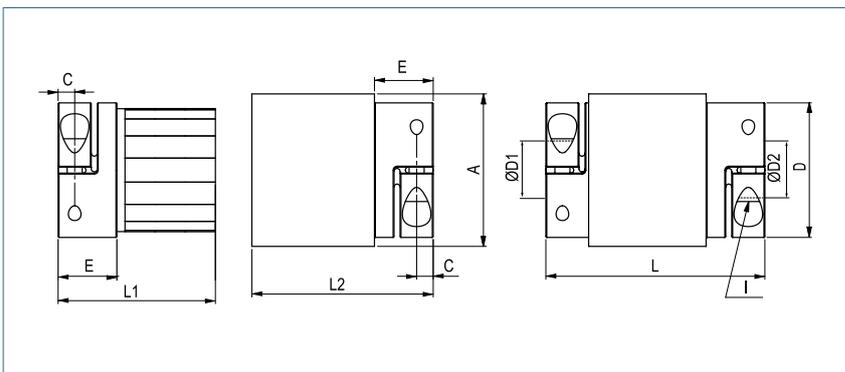


optional full stainless steel version

Hysteresis magnetic coupling

with collet clamps



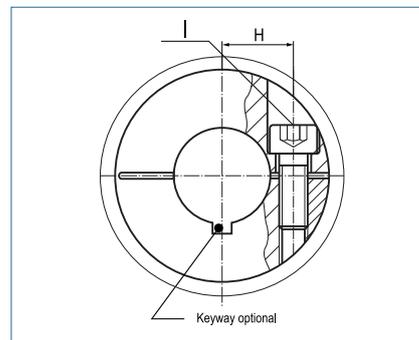
Order Code

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 m ²)	Inertia Outerpart (g m ²)	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	30	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	$P_v = (T \times n_g) / 9.55$



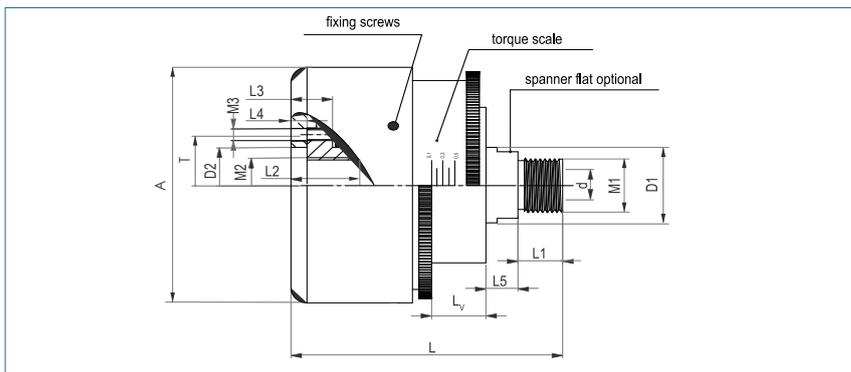
Characteristics	wear-free maintenance-free The coupling consists of 2 separated halves; the bearing has to be provided by the customer Infinitely variable torque adjustable by immersion depth In case of overload the power transmission will be separated from the inner and outer part (by slightly jerking)
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max. Power dissipation							
Size	2	4	10	18	30	60	150
P_{VMAX}	4	5	7	12	14	20	30

optional full stainless steel version

Hysteresis Clutch

with inner and outer threads



Order Code **HSM - 2a - M18x1.5 - M18x1.5**

Type Size M1 M2

Size	Torque TKN (Nm)	Dimensions (mm)													
		L Length (mm)	L1 Spigot-length (mm)	L2 Thread-length (mm)	L3 Thread-length (mm)	L4 Centering-length (mm)	L5 Centering-length (mm)	A Outer Ø (mm)	d Bore (mm)	D1 Centering Ø (h7)	D2 Centering Ø (H7)	M1 / M2 Male Thread/ Female Thread	M3 Fixing Threads	T Pitch circle (mm)	L _v Adjusting-length (mm)
1a	0.4 - 1.0	70	14	25	10	5	10	73	10	20	18	M16 x 1.5	M3	25	8
1b	0.2 - 0.5	70	14	25	10	5	10	73	10	20	18	M16 x 1.5	M3	25	8
2a	0.8 - 2.0	85	14	25	10	5	10	79	10	25	25	M18 x 1.5	M4	33	10
2b	0.1 - 1.3	85	14	25	10	5	10	79	10	25	25	M18 x 1.5	M4	33	10
4a	1.6 - 4.0	85	14	25	10	5	10	105	10	30	30	M24 x 1.5	M4	48	10
4b	0.2 - 2.6	85	14	25	10	5	10	105	10	30	30	M24 x 1.5	M4	48	10

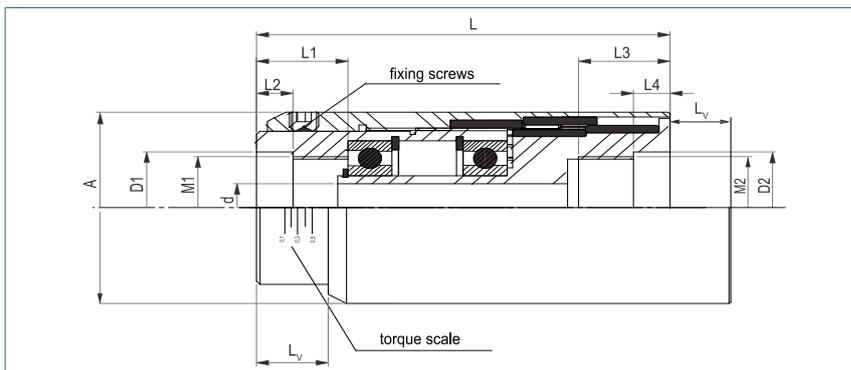
Material	housing: aluminum magnetic body parts: stainless steel
Threads	different sizes on request
Temperature Range	0 °C ~ 40 °C (higher temperatures on request)
max. Power Dissipation	$P_v = (T \times n_s) / 9.55$

Size	Technical Data				
	Mass (kg)	Inertia inner part M1 (g m²)	Inertia outer part M2 (g m²)	max. power dissipation (W)	max speed (min ⁻¹)
1a	0.8	0.13	0.36	15	4000
1b	0.8	0.13	0.36	15	4000
2a	1.2	0.25	0.62	23	3500
2b	1.2	0.25	0.62	23	3500
4a	1.9	0.79	1.62	30	3000
4b	1.9	0.79	1.62	30	3000

Characteristics	wear-free maintenance-free The coupling consists of 2 separated halves with integrated ball bearings Infinitely variable torque adjustable by using the torque scale In case of overload the power transmission will be separated from the inner and outer part (by slightly jerking)
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Hysteresis Clutch

with threads



Order Code

HLM - 2 - M32x1.5 - M32x1.5

Type Size M1 M2

Size	Torque TKN (Nm)	Dimensions (mm)											
		L Length (mm)	L1 Thread-length (mm)	L2 Centering-length (mm)	L3 Thread-length (mm)	L4 Centering-length (mm)	A Outer Ø (mm)	d Bore (mm)	D1 Centering Ø (H7)	D2 Centering Ø (H7)	M1 Thread	M2 Thread	L _v Adjusting-length (mm)
1	0.4 - 1.0	90	20	8	20	8	55	10	30	30	M27 x 1.5	M27 x 1.5	15
2	0.7 - 2.0	113	25	10	25	10	60	15	35	35	M32 x 1.5	M32 x 1.5	18
4	1.5 - 4.0	136	29	12	40	12	80	20	40	55	M38 x 1.5	M48 x 1.5	20

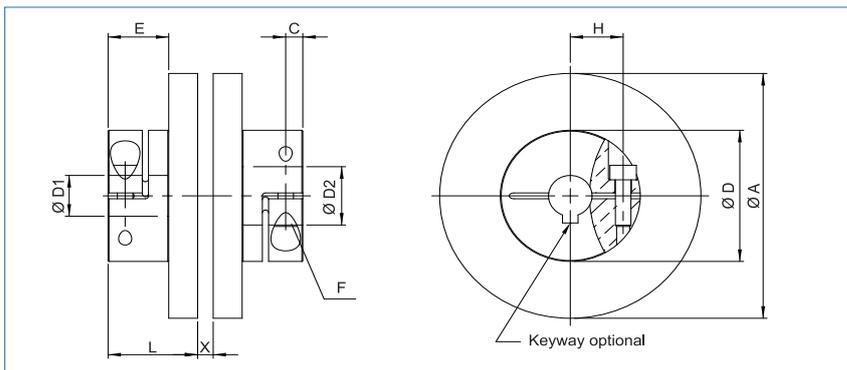
Material	housing: aluminum magnetic body parts: stainless steel
Threads	different sizes on request
Temperature Range	0 °C ~ 40 °C (higher temperatures on request)
max. Power Dissipation	$P_v = (T \times n_s) / 9.55$

Size	Technical Data						
	Mass (kg)	Inertia outer part M1 (g m ²)	Inertia inner part M2 (g m ²)	max. power dissipation (W)	max speed (min ⁻¹)	max. radial force (N)	max. axial force (N)
1	1.2	0.43	0.09	18	4000	150	100
2	1.6	0.87	0.21	25	3500	200	150
4	3.2	2.68	0.55	40	3000	250	200

Characteristics	wear-free maintenance-free The coupling consists of 2 separated halves with integrated ball bearings Infinitely variable torque adjustable by using the torque scale In case of overload the power transmission will be separated from the inner and outer part (by slightly jerking)
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magnetic disc coupling

with collet clamps



Order Code

AMK - 10 - 16 - 20

Type

Size

D1

D2

Size	Torque TKN (Nm)	Dimensions (mm)							Technical Data				
		L (mm)	ØA (mm)	D1/ D2 Bore Size (H7) min~max	Ø D (mm)	E (mm)	C	H	F Screw (ISO4762) TA (Nm)	TA (Nm)	J (kg cm ²)	n (min ⁻¹)	m (kg)
2	2	30	84	8-25.4	45	19.5	5.5	17.5	M5 8	8	7.5	13500	0.3
10	15	30	100	8-25.4	45	19.5	5.5	17.5	M5 8	8	7.9	11000	0.7
15	20	34	124	10-32	56	24.5	7.5	20	M6 15	15	10.2	9100	1.2
25	35	35	144	10-32	56	24.5	7.5	20	M6 15	15	10.6	7500	1.6



Material

Clamping hub: aluminium
Magnetic media: stainless steel

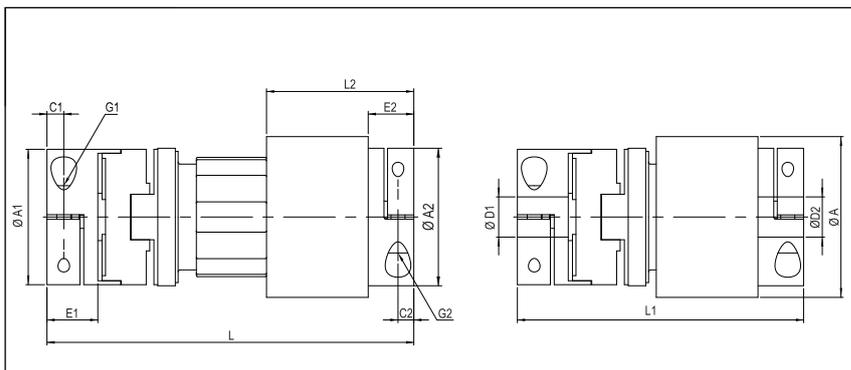
Keyway

optional acc. DIN 6885/1

Hysteresis Magnetic Coupling
length-adjustable
with Oldham Couplings

optional full stainless steel version

HMVX



Order Code

HMVX - 18 - 16 - 20

Type Size ØD1 (H7) ØD2 (H7)

Size	Torque TKN (Nm)	Ø A	L	L1	L2	Magnet-length	ØD1	ØD2	ØA1	ØA2	E1	E2	C1	C2	G1	G2
		Outer													Screw (ISO4762) TA (Nm)	Screw (ISO4762) TA (Nm)
2	0.1	31	81.5	71.5	41	20	5-10	3-14	25	25	10.2	11	3.8	3.5	M3x10 2	M3x10 2
4	0.2	38	91.5	81.5	42	20	6-15	6-18	32	32.5	14.5	13	4.8	5	M4x12 3.5	M4x12 3.5
10	0.4	46	96	86	39.5	20	8-19	6-25	40	40.5	16.5	13.5	5.8	5	M5x16 8	M4x12 4.5
18	0.9	51	125.5	105.5	58.5	30	10-25	10-25.4	50	45	19	19.5	6.3	5.5	M5x16 8	M5x16 8

Technical Data							
Size	Mass (g)	Moment of Inertia J (g cm ²)	Spring Stiffness torsional CT (Nm/rad)	Misalignment			max speed (1/min)
				radial ΔKr (mm)	axial ΔKa (mm)	angular ΔKw (°)	
2	143	172	200	2	0.1	1.5	10000
4	220	402	600	2.5	0.15	1.5	9000
10	333	899	1200	3	0.15	1.5	8000
18	542	195	1400	3.2	0.2	1.5	7000

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 Infinitely variable torque adjustable by using the torque scale In case of overload the power transmission will be separated from the inner and outer part (by slightly jerking)
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