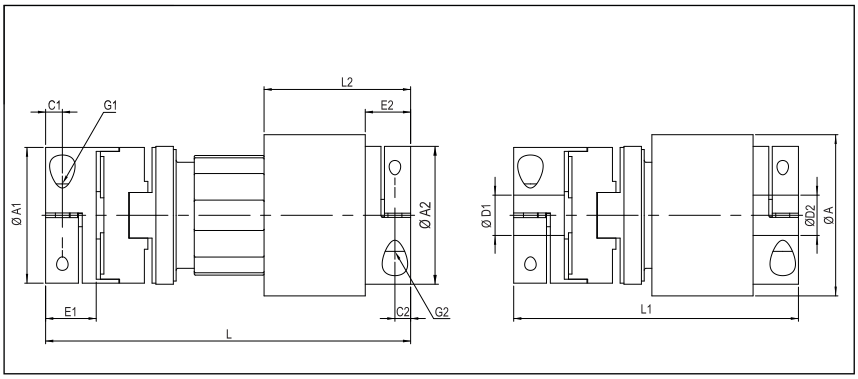
optional full stainless steel version

Hysteresis Magnetic Coupling
length-adjustable
with Oldham Couplings

HMVX



Order Code **HMVX - 18 - 16 - 20**

Type | Size | ØD1 (H7) | ØD2 (H7)

Size	Torque TKN (Nm)	Ø A	L	L1	L2		ØD1	ØD2	ØA1	ØA2	E1	E2	C1	C2	G1	G2
		Outer				Magnet-length									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	M3x10
															2	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	M4x12
															3.5	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	M4x12
															8	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	M5x16
															8	8

Technical Data							
Size	Mass (g)	Moment of Inertia J (g cm²)	Spring Stiffness torsional CT (Nm/rad)	Misalignment			max speed (1/min)
				radia 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
Popwer dissipation	$P_V = (T \times n_S) / 9.55$

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)