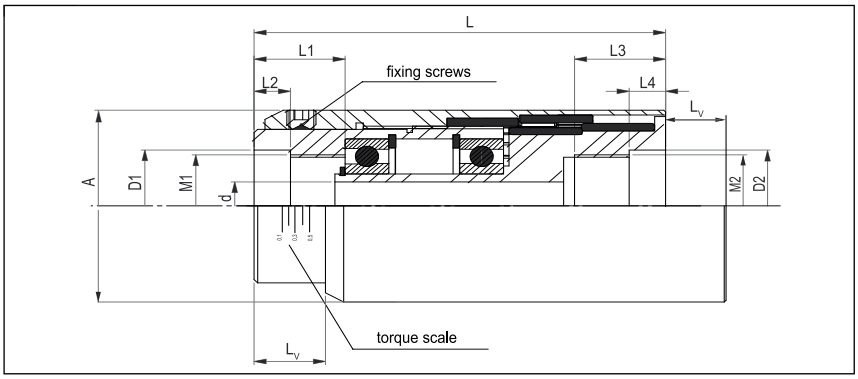
Hysteresis Clutch with threads

HLM



Order Code

HLM	-	2	-	M32x1.5	-	M32x1.5
Type		Size		M1		M2

Size	Torque TKN (Nm)	Dimensions (mm)											
		L	L1	L2	L3	L4	A	d	D1	D2	M1	M2	L_V
		Length (mm)	Thread-length (mm)	Centering-length (mm)	Thread-length (mm)	Centering-length (mm)	Outer Ø (mm)	Bore (mm)	Centering Ø (H7)	Centering Ø (H7)	Thread	Thread	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 m²)	Inertia inner part M2 (g m²)	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)