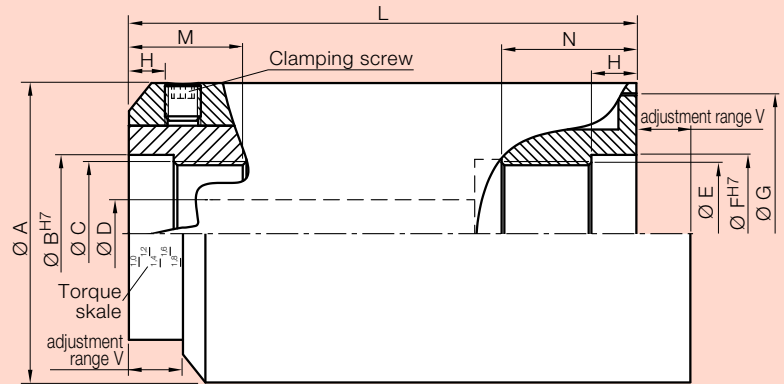


Permanent Magnetic Hysteresis Clutch Series HLV



Technical Data Series HLV

Typ			1	2	4
Torque (adjustable) ^{1) 7)}	(Nm)	ME	0,4 - 1,0	0,7 - 2,0	1,5 - 4,0
Max. power dissipation ²⁾	(W)	Pv	18 (25)	25 (35)	40 (55)
Max. rotating speed ³⁾	(min ⁻¹)	n max	4000	3500	3000
Max. temperature of surrounding air	(°C)	T	0 - 40	0 - 40	0 - 40
Weight	(kg)	mges	1,2	1,6	3,2
Inertia outside half	(10 ⁻³ kgm ²)	J _{out}	0,43	0,87	2,68
inside half	(10 ⁻³ kgm ²)	J _{in}	0,09	0,21	0,549
Max. forces radial ⁵⁾	(N)	F _{rad}	150	200	250
axial	(N)	F _{ax}	100	150	200

Standard model made of stainless steel, with stainless steel bearings, rare earth magnets, sintered hysteresis material

Dimensions (mm) Series HLV

Typ	1	2	4
Ø A	55	60	80
Ø B	30	35	40
Ø C ⁴⁾	M27 x 1,5	M32 x 1,5	M38 x 1,5
Ø D	10	15	20
Ø E ⁴⁾	M27 x 1,5	M32 x 1,5	M48 x 1,5
Ø F	30	35	55
Ø G	50	55	74,5
H	8	10	12
L ⁶⁾	90	113	136
M	20	25	29
N	20	25	40
V	15	18	20

- 1) Other torque values on request
- 2) In clamps: max power loss using high temperature permanent magnets
- 3) Depending on overload ratio and torque
- 4) Other dimensions on request
- 5) F_{rad} applied in max. 40 mm from clutch end
- 6) For assembly the total length (with L + V) must be considered
- 7) Specified torque ± 5% tolerance

Range of applications

- Bottle capping machines
- Packaging technology

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