

Standard version with aluminum housing, with stainless steel bearings, rare earth magnets, sintered hysteresis material

**Dimensions**

- øA** = Outer diameter
- øB H7** = Centering diameter
- øC** = Counterbore diameter
- øD** = Through bore diameter
- øE** = Mounting bolt diameter
- øF H7** = Centering diameter
- øG** = Basic dimension
- H** = Centering bore depth
- L** = Total length; for the assembly the total length (with L + V) must be considered
- M** = Counterbore depth
- N** = Max. thread engagement
- Cb, Cf** = Tolerances



**Dimensions**

Size	L	ø B H7	Cb	ø G	M	N	ø A	H	ø E	ø F H7	Cf	ø D	ø C
	Inch	Inch	Inch	Inch	Inch	Inch	Inch	Inch	mm	Inch	Inch	Inch	mm
1	3.543	1.181		1.969	0.787	0.787	2.165	0.315	M27 x 1.5	1.181		0.394	M27 x 1.5
2	4.449	1.378	+0.001 -0	2.165	0.984	0.984	2.362	0.394	M32 x 1.5	1.378	+0.001 -0	0.591	M32 x 1.5
4	5.354	1.575		2.933	1.142	1.575	3.150	0.472	M38 x 1.5	2.165		0.787	M38 x 1.5

Other dimensions on request

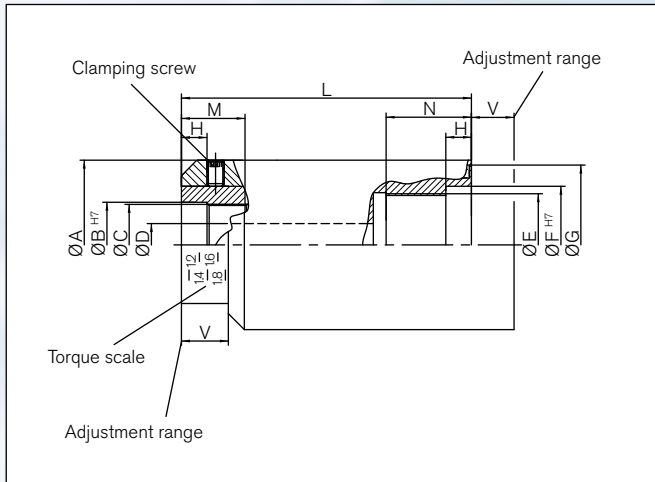
**Ordering example:**

**HLV 2**

Series	Size	Further details*
HLV	2	XX

\* e.g. stainless, modified torque

# Series HLV



Sectional view

## Technical Data

- ME** = Torque (adjustable); other torque values on request; specified torque  $\pm 5\%$  tolerance
- Pv** = Max. power dissipation (thermally limited); power loss using high temperature permanent magnets
- n<sub>max</sub>** = Max. mechanical rotating speed; depending on overload ratio and torque through max. dissipatable thermal power loss
- T** = Operation temperature
- J** = Moment of inertia
- F<sub>rad</sub>** = Max. allowed forces radial; F<sub>rad</sub> applied in max. 40 mm (1.58 in) from clutch end
- F<sub>ax</sub>** = Max. allowed forces axial
- V** = Adjustment range

## Technical Data

Size	V	ME	Pv	T	n <sub>max</sub>	F <sub>rad</sub>	F <sub>ax</sub>	J <sub>Outer rotor</sub>	J <sub>Inner rotor</sub>	Weight
	Inch	lb-in	W	°F						
1	0.591	3.5-8.9	18 (25)	32-104	4000	34	22	1.47	0.31	2.6
2	0.709	6.2-17.7	25 (35)		3500	45	34	2.97	0.72	3.5
4	0.787	13.3-35.4	40 (55)		3000	56	45	9.16	1.88	7.1

### Range of applications

- *Bottle capping machines*
- *Packaging technology*



**Weitere technische Hinweise befinden sich im jeweiligen Katalog.**

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**Check out the respective catalogue for further technical details**

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