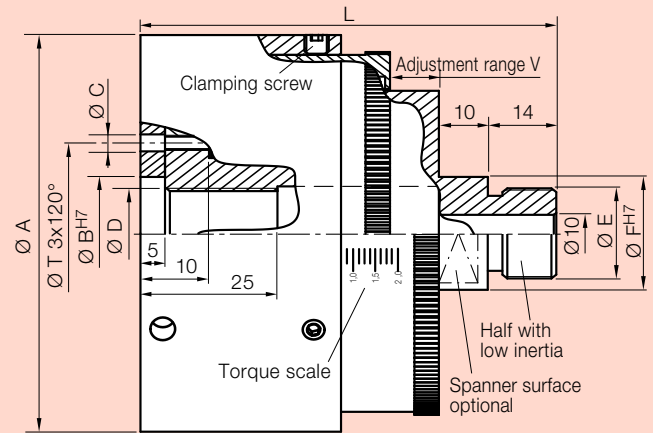


# Permanent Magnetic Hysteresis Clutch Series HSV



## Technical Data Series HSV

Type				1	2	4
Torque (adjustable) <sup>1) 5)</sup>	(Nm)	ME	Version a	0,4 - 1,0	0,8 - 2,0	1,6 - 4,0
			Version b	0,2 - 0,5	0,1 - 1,3	0,2 - 2,6
Max. power dissipation (thermal limited) <sup>2)</sup>	(W)	Pv		15 (20)	23 (30)	30 (40)
Max. rotating speed <sup>3)</sup>	(min <sup>-1</sup> )	n max		4000	3500	3000
Max. temperature of surrounding air	(°C)	T		0 - 40	0 - 40	0 - 40
Weight	(kg)	mges		0,8	1,2	1,9
Inertia outside half	(10 <sup>-3</sup> kgm <sup>2</sup> )	Jout		0,36	0,62	1,62
inside half	(10 <sup>-3</sup> kgm <sup>2</sup> )	Jin		0,13	0,25	0,79
Max. forces radial	(N)	Frad		200	300	400
axial	(N)	Fax		150	200	250

Standard model with aluminium housing, with stainless steel bearings, rare earth magnets, sintered hysteresis material

## Dimensions (mm) Series HSV

Type	1	2	4
Ø A	73	79	105
Ø B	18	25	30
Ø C	M3	M4	M4
Ø D <sup>4)</sup>	M16 x 1,5	M18 x 1,5	M24 x 1,5
Ø E <sup>4)</sup>	M16 x 1,5	M18 x 1,5	M24 x 1,5
Ø F	20	25	30
Ø T	25	33	48
L	70	85	85
V	8	10	10

- 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) Specified torque ± 5% tolerance

- Range of applications**
- Bottle capping machines
  - Wind up and unwind systems
  - Brakes
  - Test procedures

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