

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

Dimensions

- $\varnothing A$ = Outer diameter
 $\varnothing B^{H7}$ = Center diameter
 $\varnothing C$ = Mounting bolt diameter
 $\varnothing D$ = Thread diameter - internal
 $\varnothing E$ = Thread diameter - external
 $\varnothing F^{h7}$ = Center diameter
 $\varnothing T$ = Pitch circle diameter
 L = Total length
 C_b, C_f = Tolerances



Dimensions

Size	L	$\varnothing B^{H7}$	C_b	$\varnothing A$	$\varnothing E$	$\varnothing F^{h7}$	C_f	$\varnothing D$	$\varnothing C$	$\varnothing T$
	Inch	Inch	Inch	Inch	mm	Inch	Inch	mm	mm	Inch
1	2.756	0.709	+0 -0.0007	2.874	M16 x 1.5	0.787		M16 x 1.5	M3	0.984
2	3.346	0.984	+0 -0.0010	3.110	M18 x 1.5	0.984	+0 -0.0010	M18 x 1.5	M4	1.299
4	3.346	1.181		4.134	M24 x 1.5	1.181		M24 x 1.5	M4	1.890

Other dimensions on request

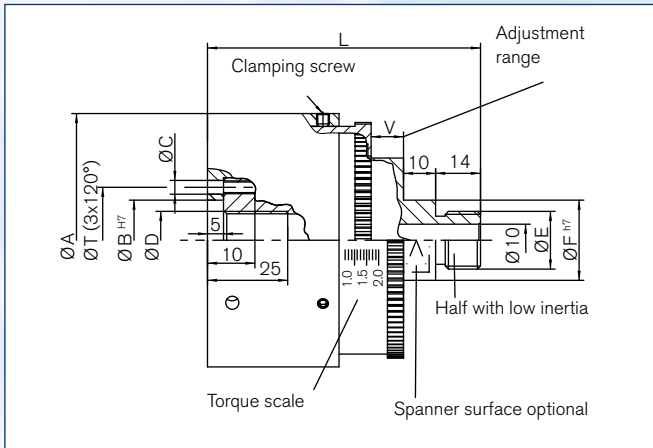
Ordering example:

HSV 2a

Series	Size	Version	Further details*
HSV	2	a	XX

*e.g. stainless, modified torque

Series HSV



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 when using high temperature permanent magnets
- n_{max}** = Max. mechanical rotating speed; depending on overload ratio and torque through max. dissipatable thermal power loss
- T** = Operation temperature
- J** = Moment of inertia
- F_{rad}** = Max. allowed forces radial
- F_{ax}** = Max. allowed forces axial
- V** = Adjustment range

Technical Data

Size	V	ME		Pv	T	n _{max}	F _{rad}	F _{ax}	J _{outer}	J _{inner}	Weight
		Version a	Version b								
	Inch	lb-in	lb-in	W	°F	rpm	lbs	lbs	lb-in ²	lb-in ²	lbs
1	0.315	3.5-8.9	1.8-4.4	15 (20)	32-104	4000	45	34	1.23	0.44	1.8
2	0.394	7.1-17.7	0.9-11.5	23 (30)		3500	67	45	2.12	0.85	2.6
4	0.394	14.2-35.4	1.8-23	30 (40)		3000	90	56	5.54	2.70	4.2

Range of applications

- Bottle capping machines
- Wind up and unwind systems
- Brakes
- Test engineering



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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