

High-Torque Stepping Motor

MS 019/032/045 HT



MS 045 HT

MS 032 HT

MS 019 HT

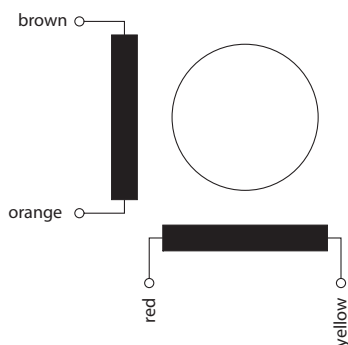
Features

- step angle 1.8°, less resolution due to micro-step operation
- very high torque due to rare-earth magnets
- optimised for application in positioning control units
- optimal torque/overall size ratio
- 6/8-wire connection for unipolar and bipolar operation
- minor step angle error, not cumulative
- second shaft end for the optional mounting of HP encoder

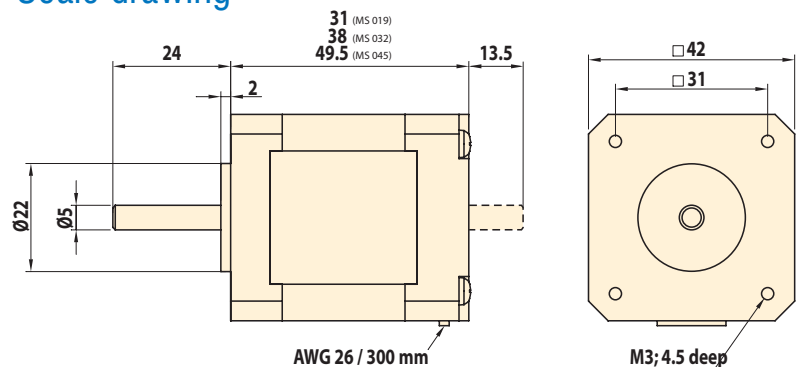
Technical data

Description	Item no.	Holding torque unipolar/bipolar Nm.	Winding torque per phase (unipolar) A	Coil voltage per phase V	Winding inductance per phase mH	Step angle °	Connecting lines	Weight kg	Flange dimension mm	Overall length (without shaft) mm	Ø / length shaft A-sided mm	Ø / length shaft B-sided mm
MS 019 HT	470420	- / 0.19	1.4	2.5	3.6	1.8	4	0.2	42	31	5 / 24	5 / 13.5
MS 032 HT	470450	- / 0.32	1.8	2.0	1.85	1.8	4	0.27		38		
MS 045 HT	470480	- / 0.45	1.8	3.2	5.4	1.8	4	0.37		49.5		

Connection diagram

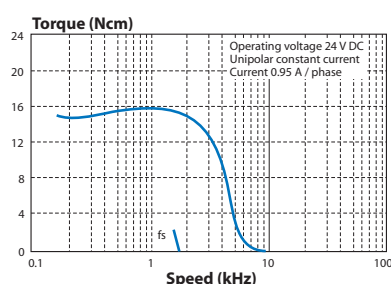


Scale drawing

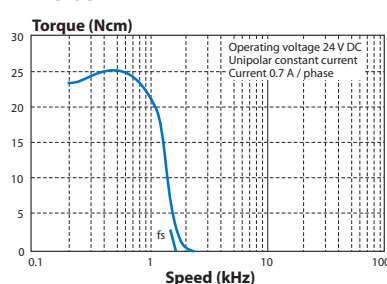


Torque curves

MS 019 HT



MS 032 HT



MS 045 HT

