



# MBA

## Gearmotors - Stepper - Nema Size 23

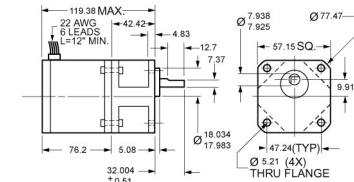
Max Input Speed: 1000 rpm.

Shaft Loading: Radial and axial = 6.7 kg.

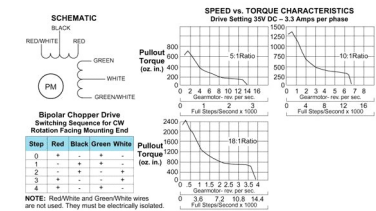
Shaft Play (Max): Radial = 0.05mm (0.002 in.), End = 0.254mm (0.010 in.).

Phase Resistance: 0.37 ohms +/- 10% at 25 Deg C.

1.8 Deg Nominal Motor Step Angle.



**MATERIAL:**  
**Housing** – Molded Composite, Black  
**Gears** – Steel, Precision Hobbed  
**Bearings** – Composite  
**Shaft** – Stainless Steel Heat-Treated



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Part Number	Max. Holding Torque g.cm (oz.in)	Gear Ratio	Step Angle (Per Step) Deg.	Leads	Shaft Diameter mm <i>inches</i>	Rated Current Amps per Phase	Winding Inductance (+/- 20%) mH	Max Backlash Min.
# GMST-S9123C-S18GM005	36000 (500)	5 : 1	0.36	6	7.938 <i>0.313</i>	4.7	0.6	30
# GMST-S9123C-S18GM010	72000 (1000)	10 : 1	0.18	6	7.938 <i>0.313</i>	4.7	0.6	30
# GMST-S9123C-S18GM018	129600 (1800)	18 : 1	0.10	6	7.938 <i>0.313</i>	4.7	0.6	30

# Indicates item not stocked at time of printing - Please enquire for lead time

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MBA Size Listings are a guide to sizes only and must not be solely relied on for critical design information.



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