

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

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Visit our website - *Click HERE*

Magmotor™

30-70 oz-in Continuous Torque



Key Performance Features:

- Economical 2-Pole Design
- Skewed and Balanced Armatures
- Encoder Ready
- Round or Optional NEMA 23 Mounting
- 12-120 VDC Available

C21 BRUSHED SERVO MOTOR SERIES

Motor Characteristics

FRAME SIZE STACK LENGTH	PEAK STALL TORQUE (T_P) OZ-IN	CONT. STALL TORQUE (T_C) OZ-IN	ROTOR INERTIA (J_M) OZ-IN-SEC^2	FRICTION TORQUE (T_F) OZ-IN	THERMAL RESISTANCE (RM) °C/WATT	MAX RECOMMEND SPEED RPM	MAX WINDING TEMP. C°	POWER RANGE W	WEIGHT LB
C21 -- 175	180	30	0.0046	2	4.9	4500	155	45	2.3
C21 -- 230	280	40	0.006	2.5	4.4	4500	155	62	2.7
C21 -- 300	350	50	0.008	3	3.8	4500	155	72	3.2
C21 -- 400	420	70	0.011	3.5	2.9	4500	155	92	4.8

SHORTER MOTOR IS AVAILABLE

Sample Windings

CONSULT MAGMOTOR APPLICATION STAFF FOR OTHER AVAILABLE WINDINGS

	C21 -- 175				C21 -- 230				C21 -- 300				C21 -- 400			
	B	E	H	K	B	E	H	K	B	E	H	K	B	E	H	K
Torque Constant (Kt) oz-in/amp	4.6	9.1	19.5	36.5	5.4	11.3	21.4	43.8	6.7	14.1	28.1	56.3	9.0	18.0	36.1	70.3
Voltage Constant (Ke) Volts/Krpm	3.4	6.7	13.7	27.0	4.0	8.4	15.8	32.4	4.9	10.4	20.8	41.8	6.7	13.3	26.7	52.0
Term. Resistance (Rt) Ohms (cold)	0.4	1.3	4.6	21.0	0.4	1.6	5.4	24.0	0.6	1.75	6.6	26.0	1.27	2.4	12.5	30.5
Peak Current (A) Amps	40	20	10	5	40	20	10	5	40	20	10	5	40	20	10	5
Cont. Current (A) Amps	7.1	3.4	1.8	1.0	7.1	3.4	1.8	1.0	7.1	3.4	1.8	1.0	7.1	3.4	1.8	1.0

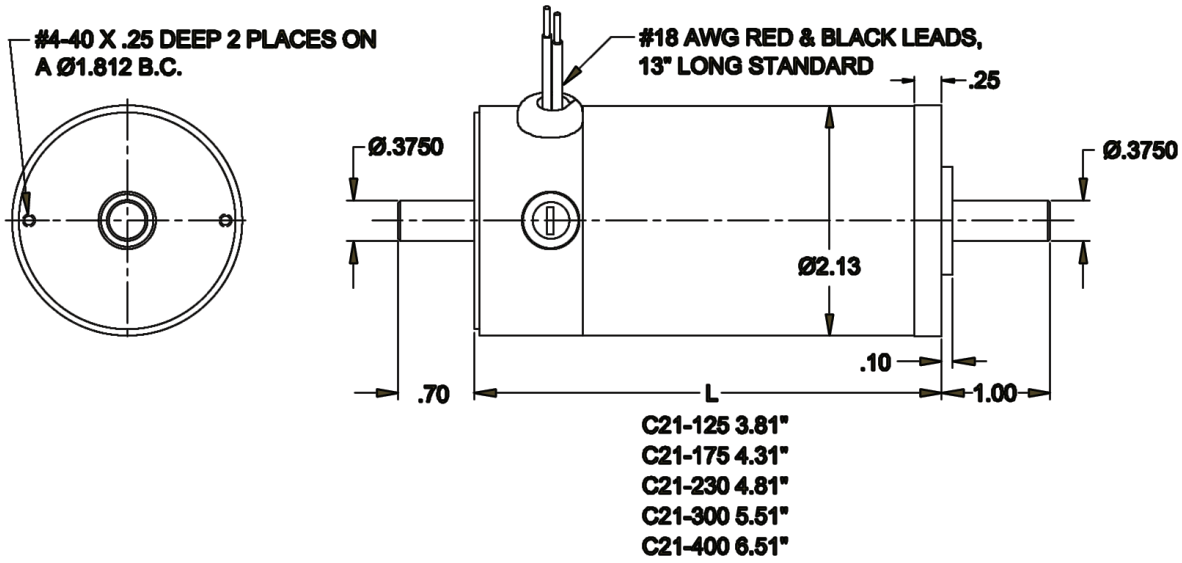
VALUES AS LISTED ARE TEST CONDITIONS, ACTUAL RESULTS MAY VARY

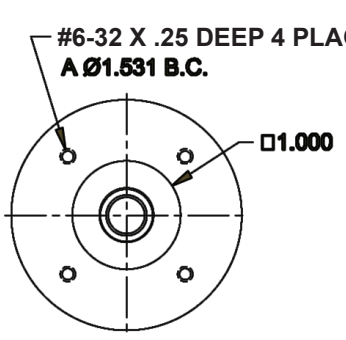
C21 Series Options

- Optical Encoders
- Tachometers, Brakes and Gearbox
- Application Specific Windings and Mechanical designs
- Custom Cables and Connectors
- For more options, see magmotor.com custom solutions, or call us.

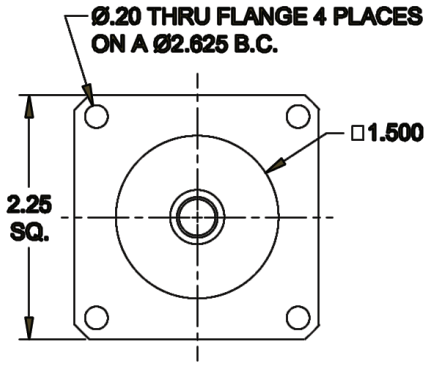
Typical Applications

- Semiconductior Equipment
- Medical Equipment
- Automated Assembly Machines
- Laboratory Equipment
- X-Y-Z Positioning Machines
- Pharmaceutical Equipment





STANDARD
ROUND FACE MOUNT



NEMA 23
FLANGE MOUNT

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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