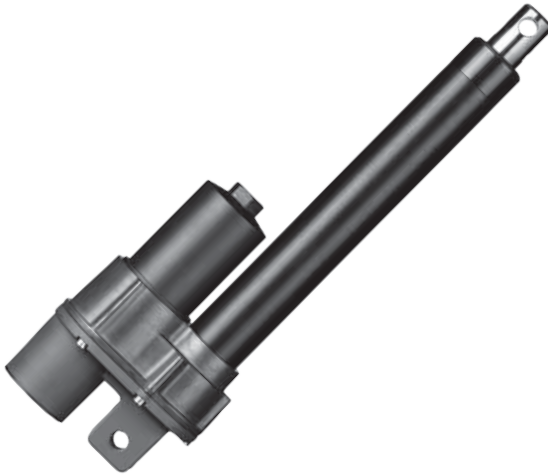


Max Jac

12 and 24 Vdc - load up to 30 lb



Standard Features and Benefits

- Designed for industrial applications
- Rugged aluminum housing with IP69K
- High efficiency
- Long life
- Hard coat anodizing for high corrosion resistance
- Virtually maintenance free
- Worm or ball screw models
- Non contact analog position feedback signal

General Specifications

Parameter	Max Jac
Screw type	worm or ball
Internally restrained	no
Manual override	no
Dynamic braking	no
Self locking worm screw models ball screw models	yes no
End of stroke protection	no
Mid stroke protection	no
Motor protection	no
Motor connection	flying leads or cable with connector
Motor connector	AMP Superseal Series 1,5
Certificates	CE
Options	Encoder position feedback

» Ordering Key - see page 60

» Glossary - see page 61

Performance Specifications

Parameter		Max Jac
Maximum load, dynamic / static MX •• W (worm screw) MX •• B (ball screw)	[N]	500 / 2000 800 / 100 - 350 ⁽¹⁾
Speed, at no load / at maximum load MX •• W (worm screw) MX •• B (ball screw)	[mm/s]	33 / 19 60 / 30
Available input voltages	[VDC]	12, 24
Standard stroke lengths	[mm]	50, 100, 150 200, 250 ⁽²⁾ , 300 ⁽²⁾
Operating temperature limits	[°C]	-40 to +85
Full load duty cycle @ 25 °C	[%]	25
End play, maximum	[mm]	0,3
Restraining torque	[Nm]	2
Lead cross section	[mm ²]	1
Standard cable lengths	[mm]	300, 1600
Protection class		IP66/IP69K
Salt spray resistance	[h]	500
Life	[cycles]	500000 ⁽³⁾
Analog position feedback signal	[VDC]	0,5 - 4,5
Encoder position feedback option Supply voltage Pulses per mm, worm / ball screw Channels	[VDC]	5 9,86 / 5,84 A, B

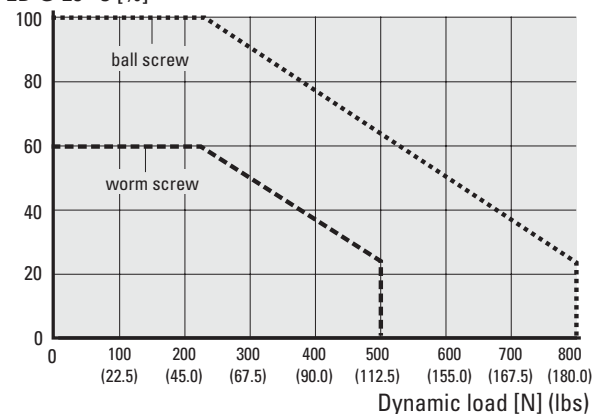
⁽¹⁾ The static force (i.e. the backdriving force) for a ball screw unit varies and is dependant on the number of cycles it have been running and at wich loads.

⁽²⁾ Strokes possible for ball screw models only.

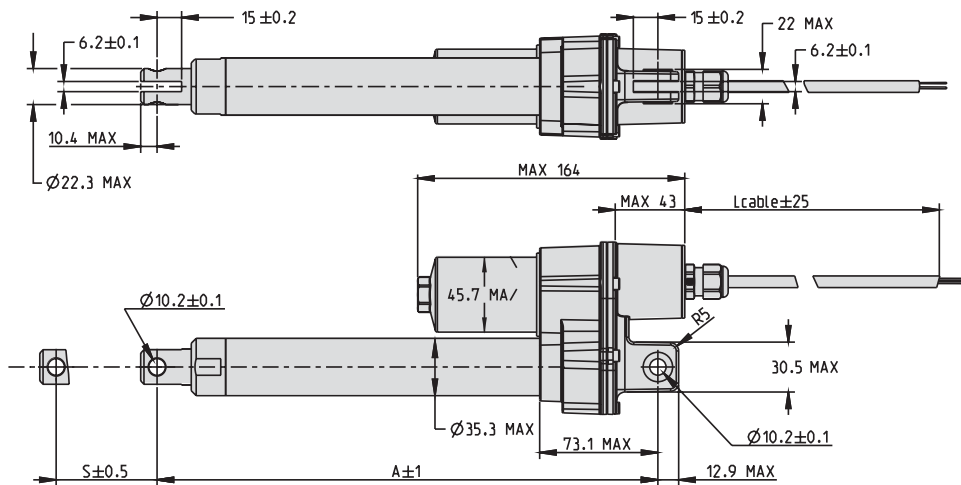
⁽³⁾ For ball screw actuator with 100 mm stroke, average load of 500 N and changing load direction.

Duty Cycle vs. Load

ED @ 25 °C [%]



12 and 24 Vdc - load up to 30 lb

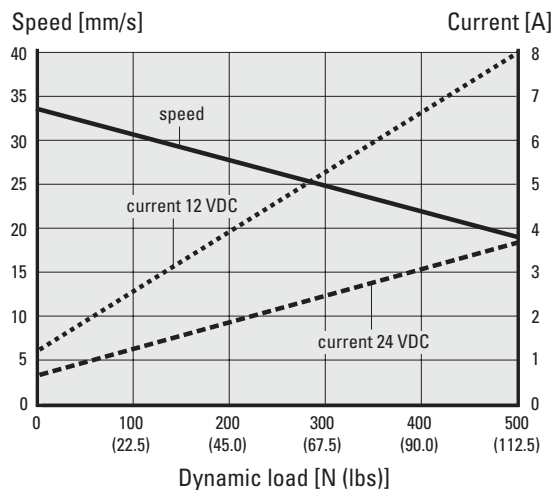


Stroke (S)	[mm (inch)]	50 (1.97)	100 (3.94)	150 (5.91)	200 (7.87)	250 (9.84) *	300 (11.81) *
Retracted length (A)	[mm (inch)]	206 (8.11)	256 (10.08)	306 (12.05)	356 (14.02)	406 (15.98)	456 (17.95)
Weight	[kg]	1,5	1,7	1,9	2,1	2,2	2,4

* Strokes possible for ball screw models only.

Performance Diagrams

Worm Screw Models (MX • • W)



Ball Screw Models (MX • • B)

