



MS Series Linear Actuators Model Number Algorithms



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Unique Solutions for Unique Customers

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Ph 800-669-5112
978-667-5100
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MS 65

SAMPLE:

MS65-A16(ZN)-D1-M25BL24N2-10-TSF-FTF-HSN(2)

Base Model:
MS65

Screw Designation:

- A2: ACME 0.5" lead
- A4: ACME 0.25" lead
- A16: ACME 0.625" lead
- A20: ACME 0.05" lead
- MB.7: Ball 1.5 mm lead
- MB1: Ball 1mm lead
- MB2: Ball 0.5mm lead

Nut:
ZN: Antibacklash

Drive Type and Ratio:

- D1: In-line direct drive
- G1: Parallel mount, gear driven
1:1 Ratio
- G2: Parallel mount, gear driven
2:1 Ratio

Motor Designation:

- M25BL24N2: (Yaskawa 20W servo with incremental encoder)
- M25BL24B2: (Yaskawa 20W servo with incremental encoder and brake)
- 11SPN2: (Amp HT11-013 stepper)
- __ZZ: Special, supplied and mounted by Torque Systems
- __XX: Special, supplied by customer and mounted by Torque Systems
- __: Shipped less motor, customer to supply and mount

Switches:

- HSN(qty): Hall effect sensor NPN
- HSP(qty): Hall effect sensor PNP

Front Mounting Features:

- FTF: Female threaded rod
- BCF: Front clevis
- RCF: Front bearing rod clevis
- TPF: Tooling plate
(with ball slide)

Rear Mounting Features:

- IMC: Integral mount on cover
- BCR: Rear Clevis
- BPR: Rear Base Plate

Stroke Length:

- ACME: 25 mm through 150 mm
- MB: 25 mm through 100 mm



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MS-NOM1

MS 150

SAMPLE:

MS150-A10(BN)-T1-2N2P-10-TSF-CFM-MS(2)-ES*

Base Model: _____
MS150

Screw Designation: _____
A2: ACME 0.5" lead
A5: ACME 0.20" lead
B8: Ball 0.125 lead

Nut: _____
BN: Bronze ACME

Drive Type and Ratio: _____
D1: In-line direct drive
T1: Parallel mount belt driven
1:1 Ratio
T2: Parallel mount belt driven
2:1 Ratio

Motor Designation: _____
2120: Platform 2120 brush motor
2130: Platform 2130 brush motor
2105: BMR 2205 brushless motor
__ZZ: Special, supplied and mounted by Torque Systems
__XX: Special, supplied by customer and mounted by Torque Systems
__: Shipped less motor, customer to supply and mount

Switches:
MS(qty): Reed switch
HSN(qty): Hall effect sensor NPN
HSP(qty): Hall effect sensor PNP

Actuator Mounting:
CFM: Mounting feet
BCR: Rear block clevis (parallel mount only)
BPR: Rear Base Plate (parallel mount only)
FLF: Front flange mount
TSB: Trunion shoulder bolt (in-line only)

Translation Tube Mounting:
BCF: Block clevis
ECF: Eye clevis
RCF: Bearing rod clevis
TSF: Threaded male stud (1/4-28)

Stroke Length:
1 through 10 inches, 1 inch increments

*** Miscellaneous Option Designator**



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MS 400

SAMPLE:

MS400-A10(BN)-T2-2N2P-15-TSF-CFM-MS(2)-ES*

Base Model: _____
MS400

Screw Designation: _____
A2.7: ACME 0.375" lead
A5: ACME 0.20" lead
A10: ACME 0.10" lead
B5: Ball 0.20" lead
B2: Ball 0.5" lead

Nut: _____
BN: Bronze ACME

Drive Type and Ratio: _____
D1: In-line direct drive
T2: Parallel mount belt driven
2:1 Ratio

Motor Designation: _____
2120: Platform 2120 brush motor
2130: Platform 2130 brush motor
2205: BMR 2205 brushless motor
__ZZ: Special, supplied and mounted by Torque Systems
__XX: Special, supplied by customer and mounted by Torque Systems
__: Shipped less motor, customer to supply and mount

Switches:
MS(qty): Reed switch
HSN(qty): Hall effect sensor NPN
HSP(qty): Hall effect sensor PNP

Actuator Mounting:
CFM: Mounting feet
BCR: Rear block clevis (parallel mount only)
DBR: Double eye bracket (parallel mount only)
BPR: Rear Base Plate (parallel mount only)
FLF: Front flange mount
TSB: Trunnion shoulder bolt (in-line only)

Translation Tube Mounting:
BCF: Block clevis
ECF: Eye clevis
RCF: Bearing rod clevis
TSF: Threaded male stud (1/2-20)

Stroke Length:
1 through 30 inches, 1 inch increments

* Miscellaneous Option Designator



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MS 800

SAMPLE:

MS800-A10(BN)-T1-3N3SE-15-TSF-CFM-MS(2)-ES*

Base Model: _____
MS800

Screw Designation: _____
A2.7: ACME 0.375" lead
A5: ACME 0.20" lead
A10: ACME 0.10" lead
B5: Ball 0.20" lead
B2: Ball 0.5" lead

Nut: _____
BN: Bronze ACME

Drive Type and Ratio: _____
D1: In-line direct drive
T1: Parallel mount belt drive
1:1 Ratio
T2: Parallel mount belt driven
2:1 Ratio

Motor Designation: _____
3528: Platform 3528 brushless motor
3045: BMR 3045 brushless motor
__ZZ: Special, supplied and mounted by Torque Systems
__XX: Special, supplied by customer and mounted by Torque Systems
__: Shipped less motor, customer to supply and mount

Switches:

MS(qty): Reed switch
HSN(qty): Hall effect sensor NPN
HSP(qty): Hall effect sensor PNP

Actuator Mounting:

CFM: Mounting feet
BCR: Rear block clevis (parallel mount only)
DBR: Double eye bracket (parallel mount only)
BPR: Rear Base Plate (parallel mount only)
FLF: Front flange mount
TSB: Trunnion shoulder bolt (in-line only)

Translation Tube Mounting:

BCF: Block clevis
ECF: Eye clevis
RCF: Bearing rod clevis
TSF: Threaded male stud (1/2-20)

Stroke Length:

1 through 30 inches, 1 inch increments

* Miscellaneous Option Designator



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