

Electric Cylinders N2 Series

N2 – **AKM23D** – **BNR** – **15** – **5B** – **8** – **MP2** – **FT1M** – **(-)** – **CO**

N2 Series

Motor Type*

AKM23D = AKM23D-EFxxx-00 brushless servo
AKM23C = AKM23C-EFxxx-00 brushless servo

- B ■ ■** = Rotatable IP65 connectors
- C ■ ■** = 0.5 m shielded cables w/ IP65 connectors
- N ■** = No brake
- 2 ■** = 24 Vdc power-off holding brake
- ■ R** = Resolver
- ■ 2** = 2048 LPR incremental comm. encoder
- ■ C** = Smart Feedback Device (SFD)

Drive Ratio

- 10 = 1.0:1 drive belt/pulley
- 15 = 1.5:1 drive belt/pulley
- 20 = 2.0:1 drive belt/pulley
- 25 = 2.5:1 helical gears
- 35 = 3.5:1 helical gears
- 120 = 12.0:1 helical gears
- 10L = 1.0:1 inline coupling (direct 1:1 coupling is the only ratio available for inline models)

Screw Pitch, Type

- 2B = 2 rev/inch ballscrew
- 5B = 5 rev/inch ballscrew
- 5A = 5 rev/inch lead screw
- 8A = 8 rev/inch lead screw

Stroke Length**

- 2 = 2 inch total stroke
- 4 = 4 inch total stroke
- 6 = 6 inch total stroke
- 8 = 8 inch total stroke
- 12 = 12 inch total stroke
- 18 = 18 inch total stroke (requires -DB option, effective stroke is 16.5")
- 24 = 24 inch total stroke (requires -DB option, effective stroke is 22.5")
- nn.n = Custom stroke lengths available in 0.1 inch increments

Cable

CO = No cable supplied, motor includes connectors. Default for all AKM servomotors; select Kollmorgen cables based on motor/drive pairings.

Options***

(add multiple in the following sequence, omit if no option required)

- DB = Dual front braking
- BS24 = 24 Vdc brake on lead screw (not available with 10L ratio, or with MF2, MF3, MS2, MP2, MP3 mounting options)
- PB = Protective boot
- W = Water resistant
- F = Sub-freezing temperature
- H = High temperature prep
- L = Linear potentiometer (only for valid std. lengths)

Rod Ends

- FC2 = Clevis (includes MT1M)**
- FS2 = Spherical joint (includes FT1M)
- FT1M = Female thread (metric)
- FT1E = Female thread (English)
- MT1M = Male thread (metric)
- MT1E = Male thread (English)

Cylinder Mounting

- MF1 = Front rectangular flange**
- MF2 = Rear rectangular flange
- MF3 = Front & rear rectangular flange
- MP2 = Rear double clevis without pivot base
- MP3 = Rear double clevis with pivot base
- MS1 = Side end angle
- MS2 = Side lugs
- MS6M = Side tapped holes (metric)
- MS6E = Side tapped holes (English)
- MT4 = Trunion

* Refer to Alternate AKM servomotor and electric cylinder systems table on page 72. Contact customer support for AKM combinations outside of those listed.

** For custom lengths round up to next standard incremental plus add standard cut fee.

*** Contact customer support for non-standard pricing and lead times.

Note: Options shown in bold blue text are considered standard.