

DS Series Precision Table

DS Series **Stroke Length** **Grade** **Ballscrew Lead** **Motor Type*** **Motor Options** **Motor Mounts** **Couplings** **Motor Orient.** **Limit Sensors** **Home Switch** **Shaft End Opt.** **Linear Decoder** **Options**

DS4 – **250** – **C** – **5G** – **AKM23D** – **BNC** (-) – **OE6** – **PR6E** – **LN1** – **H0** (-) – **EO** – **CLN**

DS Series

Stroke Length

| | |
|-----------------------------|----------|
| 50 = 50 mm total stroke | DS4 only |
| 100 = 100 mm total stroke | DS4 only |
| 150 = 150 mm total stroke | DS4 only |
| 200 = 200 mm total stroke | DS4 only |
| 250 = 250 mm total stroke | DS4 only |
| 300 = 300 mm total stroke | DS4 only |
| 350 = 350 mm total stroke | DS4 only |
| 400 = 400 mm total stroke | DS4 only |
| 450 = 450 mm total stroke | DS4 only |
| 500 = 500 mm total stroke | DS4 only |
| 550 = 550 mm total stroke | DS4 only |
| 600 = 600 mm total stroke | DS4 only |
| 700 = 700 mm total stroke | DS6 only |
| 800 = 800 mm total stroke | DS6 only |
| 900 = 900 mm total stroke | DS6 only |
| 1000 = 1000 mm total stroke | DS6 only |
| 1250 = 1250 mm total stroke | DS6 only |
| 1500 = 1500 mm total stroke | DS6 only |
| 1750 = 1750 mm total stroke | DS6 only |
| 2000 = 2000 mm total stroke | DS6 only |

Grade

C = Commercial grade
P = Precision grade**

Ballscrew Lead

| | |
|-----------------|----------|
| 5G = 5 mm/rev | |
| 10G = 10 mm/rev | |
| 25G = 25 mm/rev | DS6 only |

Motor Type*

Motor Options*

- B ■ ■ = Rotatable IP65 connectors
 - C ■ ■ = 0.5 m shielded cables w/ IP65 connectors
 - C ■ ■ = Rotatable 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)
 - ■ DA = Single-turn absolute sine encoder, EnDat2.2, 01
 - ■ DB = Multi-turn absolute sine encoder, EnDat2.2, 01
- AKM2 only
AKM2 only
AKM4, AKM5 only

Additional Options

P1 = Standard pinning of x-axis carriage
CLN = Cleanroom prep – class 100
Omit for no additional options

Linear Decoder

Shaft End Options

BS = Brake on ballscrew, 24 Vdc power-off
ES = Rotary encoder on ballscrew, 1250 line
Omit for no additional options

Home Switch

H0 = No home sensor
HN1 = Home, NPN type normal open
HN2 = Home, NPN type normal closed
HP1 = Home, PNP type normal open
HP2 = Home, PNP type normal closed

Limit Sensors

L0 = No end-of-travel limits
LN1 = Limits, NPN type normal open
LN2 = Limits, NPN type normal closed
LP1 = Limits, PNP type normal open
LP2 = Limits, PNP type normal closed

Motor Orientation & Pulley Bore (Parallel Models)

PR6E = Parallel right
PL6E = Parallel left
PU6E = Parallel under
Omit if parallel model is not preferred

Couplings (Inline Models)

OE6 = Oldham style, 3/8" bore (AKM2X)
OE8 = Oldham style, 1/2" bore (AKM4X) DS6 only
BE6 = Bellows style, 3/8" bore (AKM2X)
BE8 = Bellows style, 1/2" bore (AKM4X) DS6 only
Omit for parallel models

Motor Mounts

X23 = NEMA 23 mount
X34 = NEMA 34 mount DS6 only
Omit if motor option is used

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

** Extended lead time required.

Note 1: Options shown in bold blue text are considered standard.

Note 2: Contact customer support for price and lead time on all non-standard features.