

AHK Series

Frame Size 42mm/60mm/85mm Hollow Shaft Type Motor

■ Features

- Removable coupling connecting Ball-screw, TM-screw directly
- Remove resonance (vibration, noise) without coupling
- Compact design and light weight with high accuracy, speed and torque
- Suitable for small-sized equipment applications
- Cost-effective

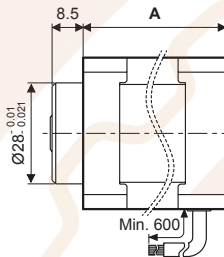
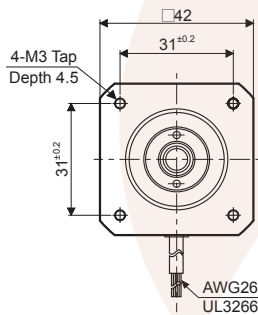


⚠ Please read "Caution for your safety" in operation manual before using.

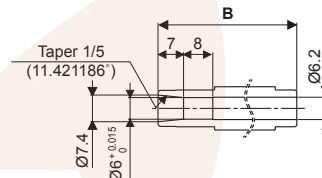


■ Dimensions

◎ Frame size 42mm



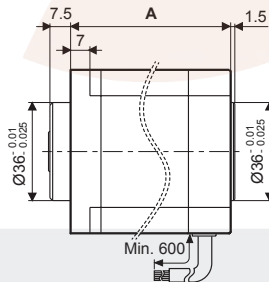
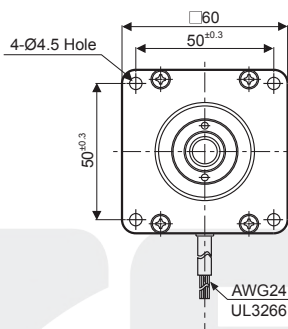
• Hole dimensions



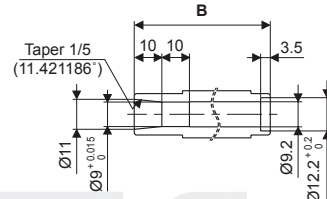
Model	A	B
AH1K-S543-□	33	38
AH2K-S544-□	39	44
AH3K-S545-□	47	52

(unit:mm)

◎ Frame size 60mm



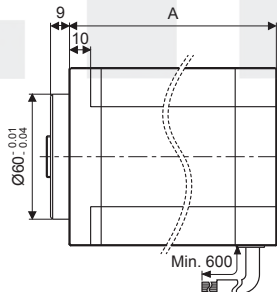
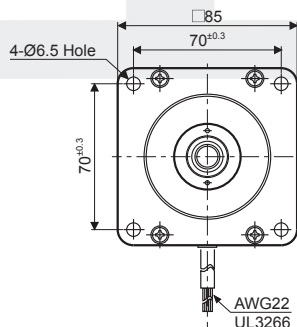
• Hole dimensions



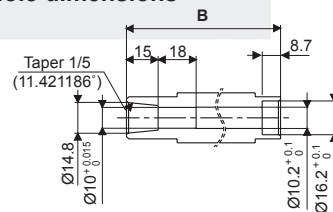
Model	A	B
AH4K-□564(W)-□	48.5	49.3
AH8K-□566(W)-□	59.5	60.3
AH16K-□569(W)-□	89	89.8

(unit: mm)

◎ Frame size 85mm



• Hole dimensions



Model	A	B
AH21K-□596(W)-□	68	73
AH41K-□599(W)-□	98	102.5
AH63K-□5913(W)-□	128	133

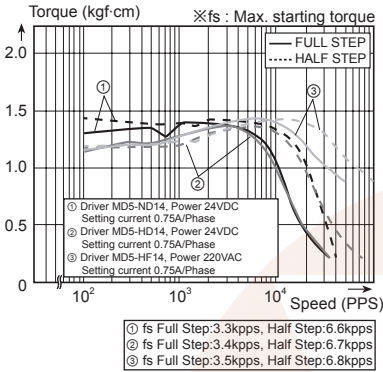
(unit: mm)

※ Depending on processing of shaft to be assembled, hollow shaft type can be used both single and dual shaft.

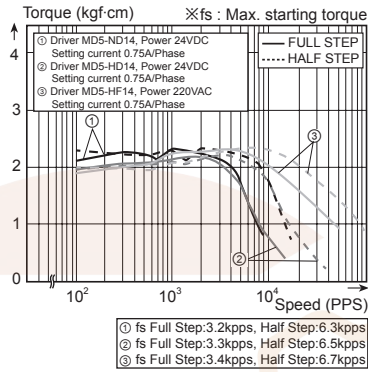
5-Phase Stepper Motor

Characteristic

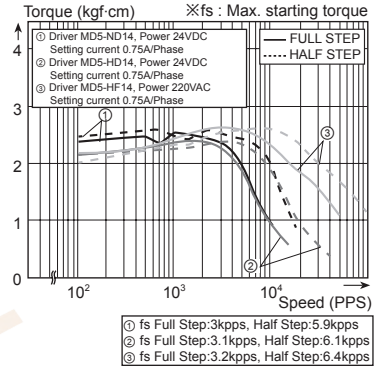
• AH1K-S543-□



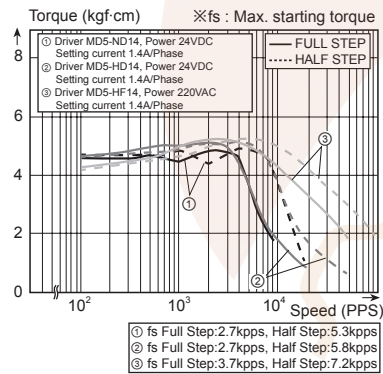
• AH2K-S544-□



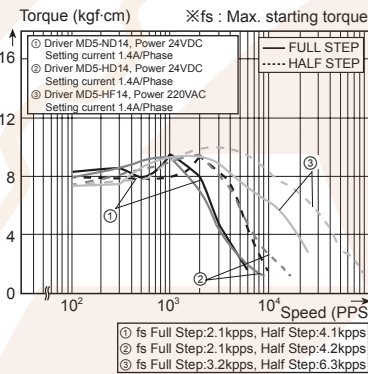
• AH3K-S545-□



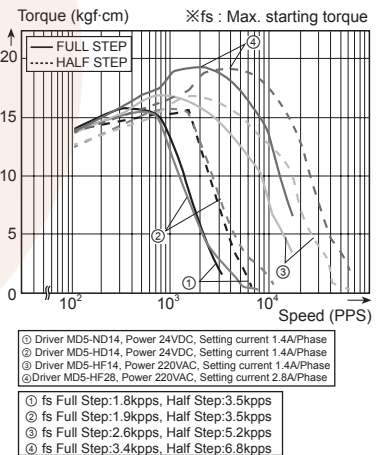
• AH4K-S (M)□564(W)-□



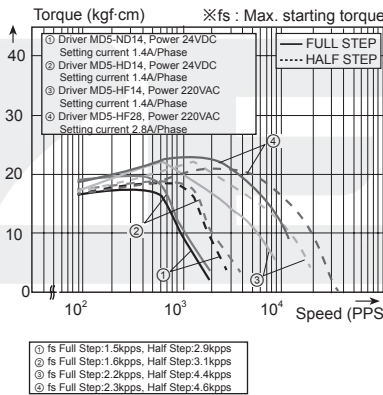
• AH8K-S (M)□566(W)-□



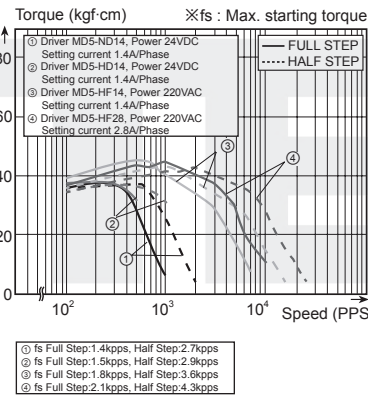
• AH16K-M (G)□569(W)-□



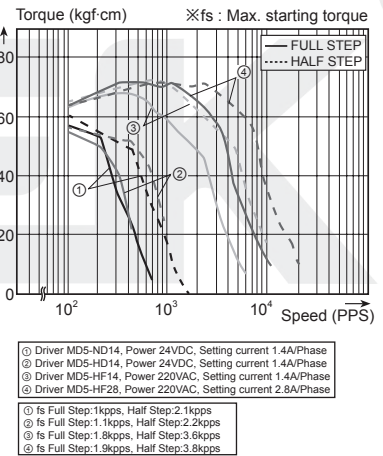
• AH21K-M (G)□596(W)-□



• AH41K-M (G)□599(W)-□



• AH63K-M (G)5913(W)-□



- (A) Photoelectric Sensors
- (B) Fiber Optic Sensors
- (C) Door/Area Sensors
- (D) Proximity Sensors
- (E) Pressure Sensors
- (F) Rotary Encoders
- (G) Connectors/ Sockets
- (H) Temperature Controllers
- (I) SSRs / Power Controllers
- (J) Counters
- (K) Timers
- (L) Panel Meters
- (M) Tacho / Speed / Pulse Meters
- (N) Display Units
- (O) Sensor Controllers
- (P) Switching Mode Power Supplies
- (Q) Stepper Motors & Drivers & Controllers
- (R) Graphic/ Logic Panels
- (S) Field Network Devices
- (T) Software

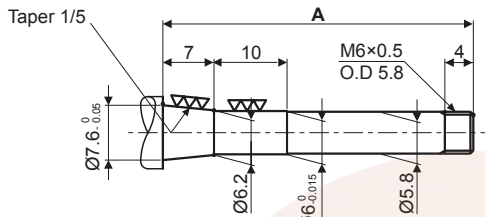
AHK Series

■ Processing Example For Shaft Assembly

In order to assemble external shafts into Autonics motors, the shafts must be processed as shown in the figures below.

● Single shaft type of frame size 42mm

(unit: mm)



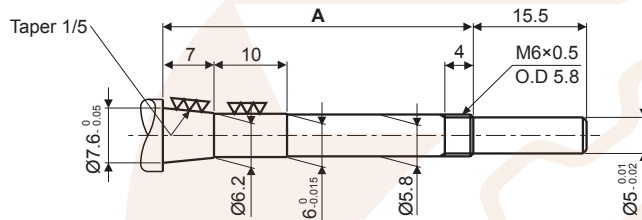
(unit: mm)

Model	A
AH1K-S543-□	42.5
AH2K-S544-□	48.5
AH3K-S545-□	56.5

※Lock nut is included.

● Dual shaft type of frame size 42mm

(unit: mm)

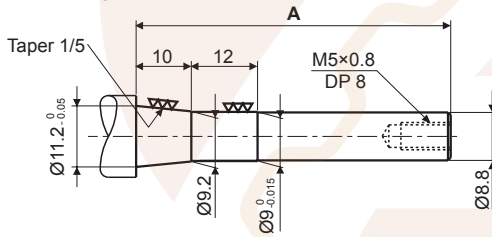


Model	A
AH1K-□543W-□	42.5
AH2K-□544W-□	48.5
AH3K-□545W-□	56.5

※Lock nut is included.

● Single shaft type of frame size 60mm

(unit: mm)

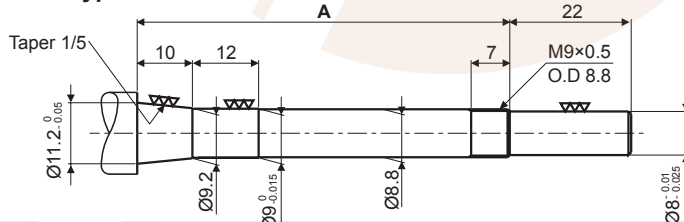


Model	A
AH4K-□564-□	46
AH8K-□566-□	57
AH16K-□569-□	86.5

※Hexagon wrench bolt, flat washer, spring washer and lock nut are included.

● Dual shaft type of frame size 60mm

(unit: mm)

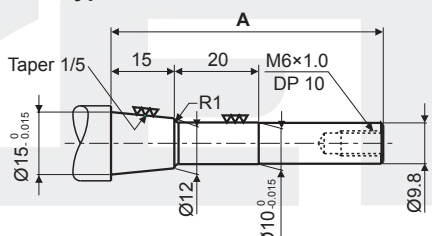


Model	A
AH4K-□564W-□	56.5
AH8K-□566W-□	67.5
AH16K-□569W-□	97

※Lock nut is included.

● Single shaft type of frame size 85mm

(unit: mm)

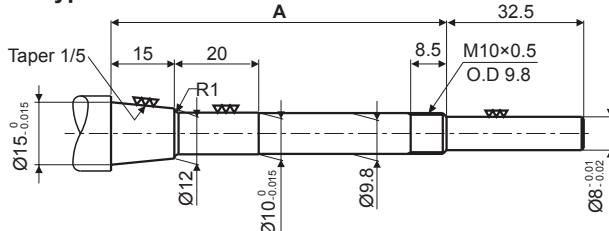


Model	A
AH21K-□596-□	64.5
AH41K-□599-□	94
AH63K-□5913-□	124.5

※Hexagon wrench bolt, flat washer, spring washer and lock nut are included.

● Dual shaft type of frame size 85mm

(unit: mm)



Model	A
AH21K-□596W-□	79.5
AH41K-□599W-□	109.5
AH63K-□5913W-□	139.5

※Lock nut is included.