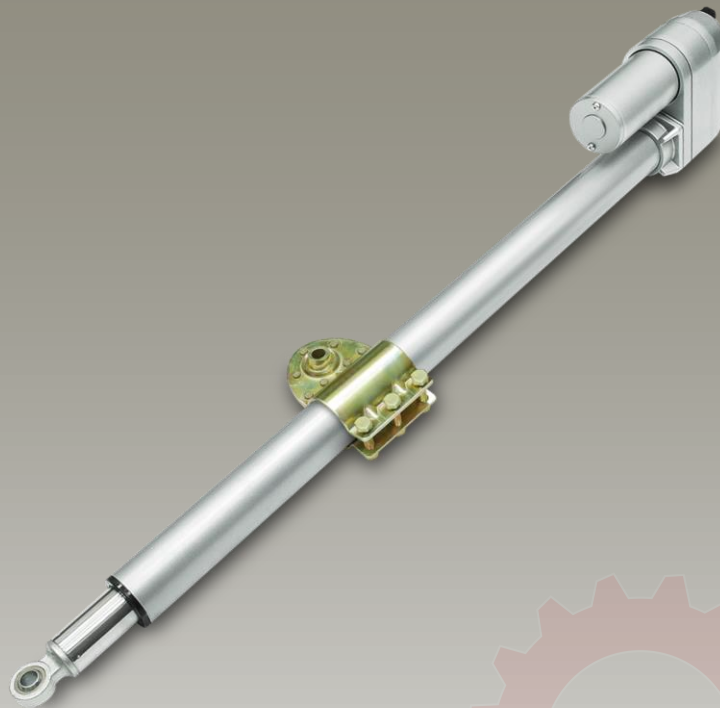


Actuator ID10S



Features

- ◆ ID10S is a robust and powerful actuator, designed for heavy-duty applications in harsh environments like solar tracker. It features high load capability, long lifetime and low power consumption. The adjustable limit cam is convenient for the user to fine-tune the stroke. Ball screw or ACME screw threaded spindle available.
- ◆ Main applications : Industrial
- ◆ Input voltage : 24V DC
- ◆ Max. dynamic load : 9000N(Ball Screw), 5500N(ACME)
- ◆ Max. static load : 17100N(Ball Screw), 13600N(ACME)
- ◆ Max. current : 3.9 A @ 24V DC
- ◆ Max. speed at no load : 5.6 mm/sec
- ◆ Max. speed at full load : 4.5 mm/sec
- ◆ Stroke : 450~900 mm
- ◆ Duty cycle : 10% or Max. 3 min continuous operation.
- ◆ IP protection level : IP65
- ◆ Color : Silver, Black
- ◆ Certified : EN61000-4, EN61000-6
- ◆ Ambient operating temperature : -25°C~+65°C
- ◆ Overload protection by clutch
- ◆ Steel extension tube

Options

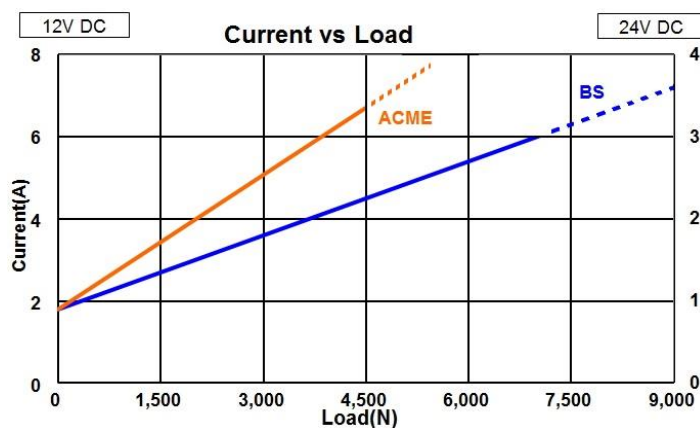
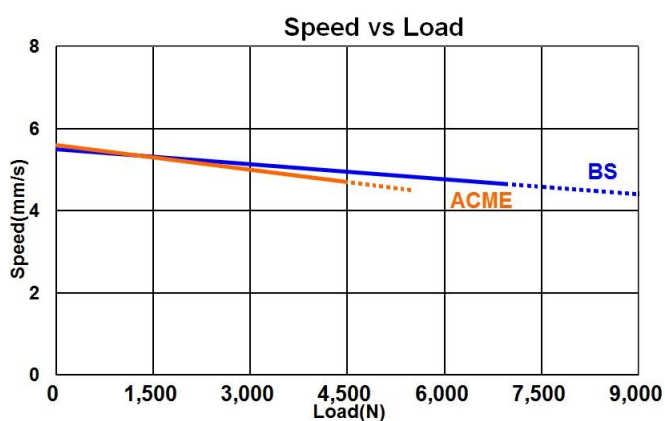
- ◆ Input voltage : 12V DC
- ◆ Digital positioning feedback : Hall Sensor, Reed Sensor
- ◆ Analog positioning feedback : Potentiometer
- ◆ Stainless extension tube

Compatibility

Control Box : CIS1, CIS2

Performance Data

Model No.	Max. Dynamic Load (N)	Speed (mm/s)		Current (A)			
		No load	Full load	No load		Full load	
				12V	24V	12V	24V
ID10S-xx40E5Bxxx-xxxxxxx	9000	5.5	4.4	1.8	0.9	7.2	3.6
ID10S-xx40E5Axxx-xxxxxxx	5500	5.6	4.5	1.8	0.9	7.8	3.9



Dimensions

◆ ID10S Ball Screw

18"

24"

36"

Stroke (±5 mm)	450	600	900
Retracted Length (A±3 mm)	810	963	1315

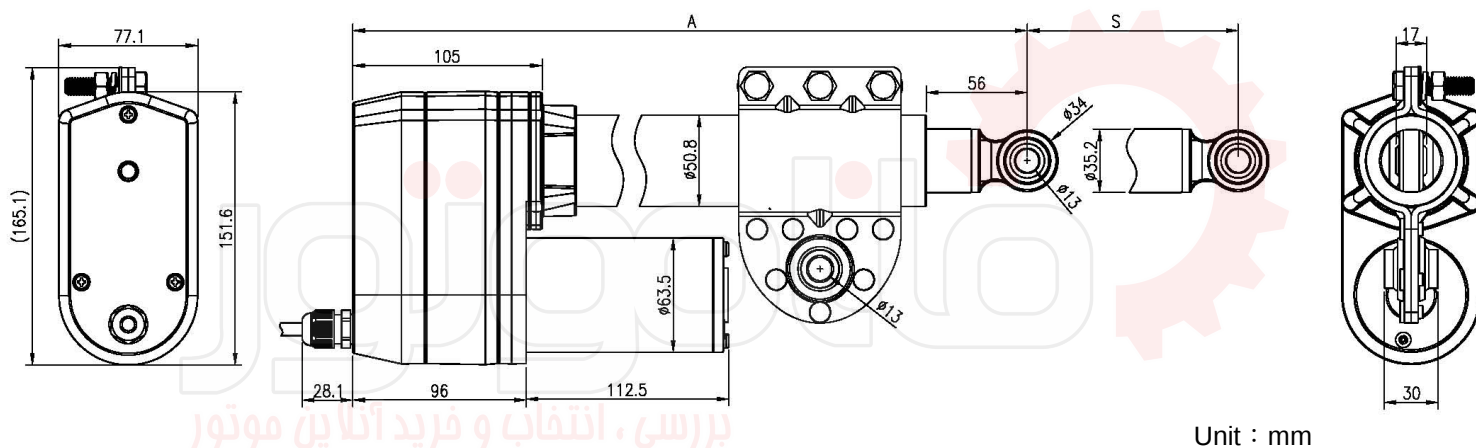
◆ ID10S ACME

18"

24"

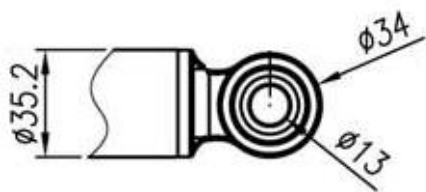
36"

Stroke (±5 mm)	450	600	900
Retracted Length (A±3 mm)	764	917	1269

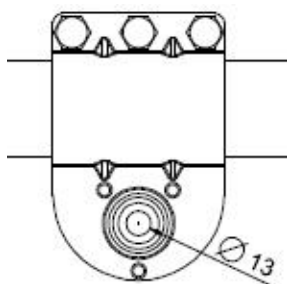


Unit : mm

◆ Front connector



◆ Rear connector



Ordering Key

ID10S — ☐☐☐☐☐☐☐☐☐☐ — ☐☐☐☐☐☐☐☐

Input Voltage

24 : 24V DC

12 : 12V DC

Gear Ratio

40 : 40:1

Motor

E : Standard motor (2900rpm)

Spindle Type

5A : ACME / 5TPI

5B : Ball Screw / 5TPI

Stroke

450 : 450mm

600 : 600mm

900 : 900mm

Front Mounting

Spherical Rod Eye

0 : $\Phi=13\text{mm}$ 1 : $\Phi=12\text{mm}$ 2 : $\Phi=1/2"$ 3 : $\Phi=16\text{mm}$

Rear Mounting

Clamp with Spherical Rod Eye

0 : $\Phi=13\text{mm}$ 1 : $\Phi=12\text{mm}$ 2 : $\Phi=1/2"$ 3 : $\Phi=16\text{mm}$

Detector

H : Hall sensor R : Reed sensor P : Potentiometer 0 : None

Power wire length

1 : 250mm (with tinned wires)/Black

Color

S : Silver B : Black

Protection

5 : IP65

Others

0 : Aluminum back cover

2 : Aluminum back cover + stainless extension tube

Terms of Use

The user is responsible for determining the suitability of MOTECK products for specific applications. Due to continuous development in order to improve its products, MOTECK products are subject to frequent modifications and changes without prior notice. MOTECK reserves the right to discontinue the sale of any products displayed on its website or listed in its catalogue or other written materials drawn up by MOTECK.