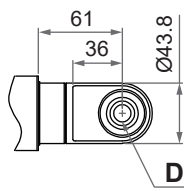


Front connector

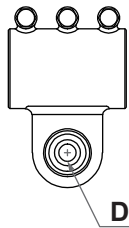
- Spherical rod eye



Diameter code	Diameter of pivot (D)
1	Ø19mm (standard)
0	Ø12.7mm

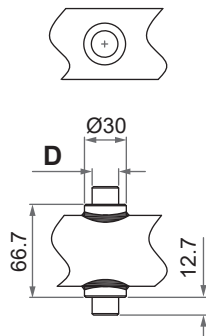
Rear connector

- Tube clamp with spherical rod eye (standard)



Diameter code	Diameter of pivot (D)
1	Ø19mm (standard)
0	Ø12.7mm

- With trunnion mount

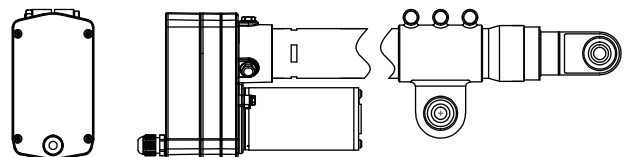
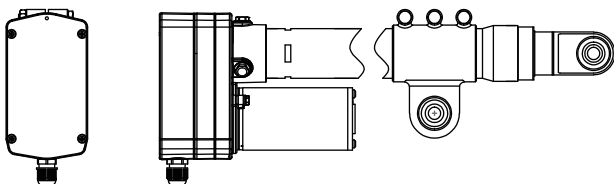


Diameter code	Diameter of pivot (D)
T	Ø19mm

Location of cable outlet

1: Side cable outlet (standard)

0: Bottom cable outlet




Cable with Flying Leads

- Basic (Without positioning feedback)

	Wire color	Definition	Descriptions
Power wires	Red	DC power	Connect red wire to "Vdc +" & black wire to "Vdc -" of DC power to extend the actuator. Switch the polarity of DC input to retract it.
	Black		

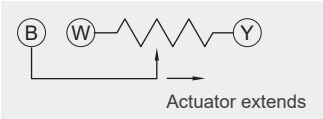
- With single Hall effect sensor positioning feedback

	Wire color	Definition	Descriptions
Power wires	Red	DC power	Connect red wire to "Vdc +" & black wire to "Vdc -" of DC power to extend the actuator. Switch the polarity of DC input to retract it.
	Black		
Signal wires	White	Vin	Voltage input range: 5 ~ 20V
	Yellow	Hall output	High= Input - 1.2V ($\pm 0.6V$) Low= GND Hall signal data:  Resolution: Ball screw 20 PPI, ACME screw 32 PPI
	Blue	GND	

- With reed sensor positioning feedback

	Wire color	Definition	Descriptions
Power wires	Red	DC output	Connect red wire to "Vdc +" & black wire to "Vdc -" of DC power to extend the actuator. Switch the polarity of DC input to retract it.
	Black		
Signal wires	Yellow	Data	Resolution: Ball screw 30 PPI, ACME screw 48 PPI
	White	GND	

● With Potentiometer (POT) absolute positioning feedback

	Wire color	Definition	Descriptions																	
Power wires	Red	DC power	Connect red wire to "Vdc +" & black wire to "Vdc -" of DC power to extend the actuators. Switch the polarity of DC input to retract it.																	
	Black																			
Signal wires	Yellow	Vin	Input voltage 70V max.																	
	Blue	POT output	<p>1. Potentiometer specification:</p> <ul style="list-style-type: none"> - 10K ohm, 10 turns. - Tolerance $\pm 5\%$ <p>2. Output voltage: The voltage (resistance) between blue and white increases linearly from about 0 when the actuators extend, and decreases when it retracts.</p>  <p>3. There are different resolutions according to the stroke length (as table below)</p> <table border="1" data-bbox="684 831 1437 1151"> <thead> <tr> <th>Spindle type</th> <th>Stroke (mm)</th> <th>Resistance (tolerance: $\pm 0.3K\Omega$)</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Ball screw</td> <td>610</td> <td>0.3 ~ 8.6</td> </tr> <tr> <td>914</td> <td>0.3 ~ 7.7</td> </tr> <tr> <td>1219</td> <td>0.3 ~ 8.4</td> </tr> <tr> <td rowspan="3">ACME screw</td> <td>610</td> <td>0.3 ~ 8.1</td> </tr> <tr> <td>914</td> <td>0.3 ~ 7.9</td> </tr> <tr> <td>1219</td> <td>0.3 ~ 8.1</td> </tr> </tbody> </table>	Spindle type	Stroke (mm)	Resistance (tolerance: $\pm 0.3K\Omega$)	Ball screw	610	0.3 ~ 8.6	914	0.3 ~ 7.7	1219	0.3 ~ 8.4	ACME screw	610	0.3 ~ 8.1	914	0.3 ~ 7.9	1219	0.3 ~ 8.1
	Spindle type	Stroke (mm)	Resistance (tolerance: $\pm 0.3K\Omega$)																	
	Ball screw	610	0.3 ~ 8.6																	
914		0.3 ~ 7.7																		
1219		0.3 ~ 8.4																		
ACME screw	610	0.3 ~ 8.1																		
	914	0.3 ~ 7.9																		
	1219	0.3 ~ 8.1																		
White	GND																			

Ordering Key

01US18 - 24 58 S 3A C19 - 1 1 H 1 B 5

Input voltage	24: 24V DC 36: 36V DC
Gear ratio	58: 58:1
Motor code	S: Standard motor (2300rpm)
Spindle type	3A: ACME screw, 3.175mm pitch 5B: Ball screw, 5.08mm pitch
Stroke	610: 610mm (24") 914: 914mm (36") C19: 1219mm (48")
Front connector (Refer to Page 4)	1: Spherical rod eye, Ø19mm (3/4") (standard) 0: Spherical rod eye, Ø12.7mm (1/2")
Rear connector (Refer to Page 4)	1: Tube clamp with spherical bearing, Ø19mm (3/4") (standard) 0: Tube clamp with spherical bearing, Ø12.7mm (1/2") T: With trunnion mount, Ø19mm (3/4")
Positioning feedback	H: Single Hall effect sensor R: Reed sensor P: Potentiometer 0: None
Cable	1: Bare wires / 250mm / Black
Color	B: Black
IP level	5: IP65
Location of cable outlet (Refer to Page 4)	1: Cable outlet at body side (standard) 0: Cable outlet at body bottom