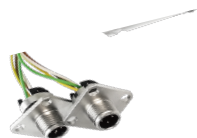


TIP2 double output

Series

Lear Position Sensor



Feature:

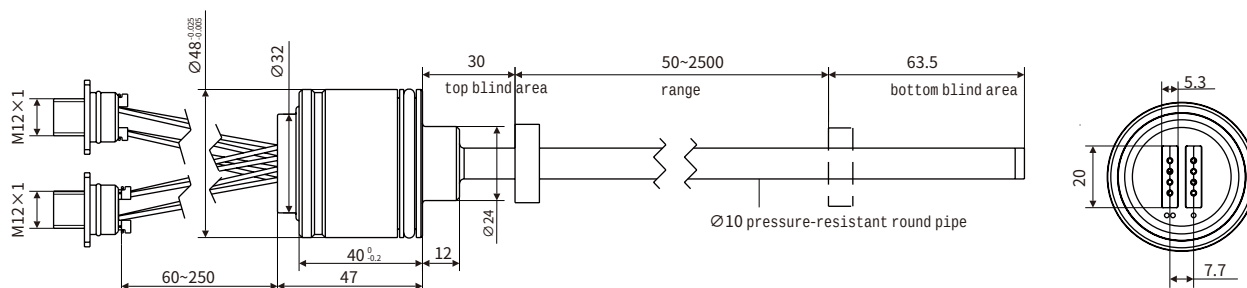
Linear measurement, absolute position output
 High shock resistance and vibration resistance, suitable for harsh environments
 Low power consumption design effectively reduces system heat generation
 Installed inside the oil cylinder, it is protected from environmental and electromagnetic interference
 The sedimentation system enhances the safety and stability of construction machinery

Usages:

Designed specifically for construction machinery

Dimensions:

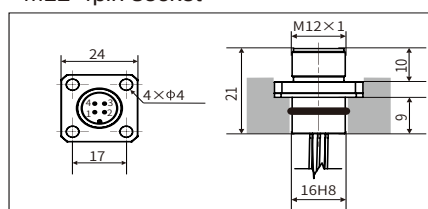
The external dimensions of the outgoing line of the aviation socket



• channel 1 analog (aviation socket)

M12-4pin definition	PIN	PD
4	1	power
3	2	none
1	3	ground
2	4	signal

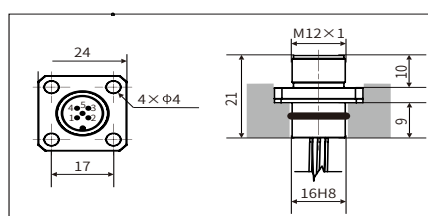
• M12-4pin socket



• channel 2 analog (aviation socket)

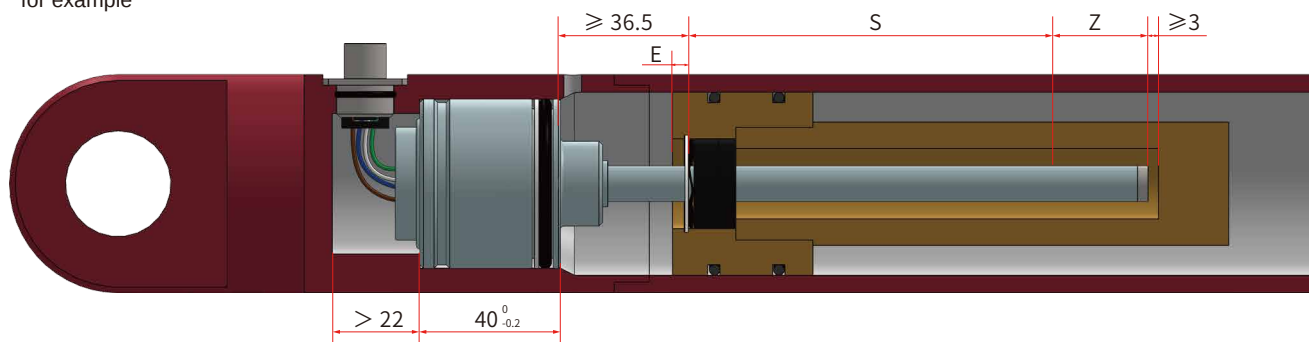
M12-5pin definition	pin	PD
4	1	power
3	2	signal
5	3	ground
1	4	none
2	5	none

• M12-5pin socket



► installation method

for example

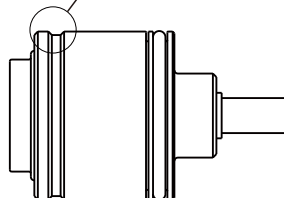
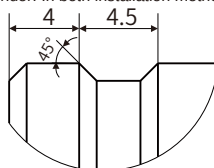


The installation method is entirely dependent on the design of the hydraulic cylinder. The commonly used installation method is to install from the end of the hydraulic cylinder rod, or it can also be installed from the end of the cylinder head of the hydraulic cylinder. In both installation methods, O-rings and auxiliary gaskets are used for air sealing.

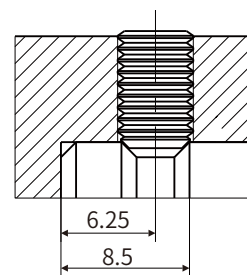
- note:
1. The position magnet must not come into contact with the pressure-resistant outer tube.
 2. The drilling depth of the piston rod is $\geq E+Z+3\text{mm}$;
 3. Diameter of the piston rod hole

Pressure-resistant outer pipe	$\varnothing 10$
aperture	$\geq \varnothing 13$

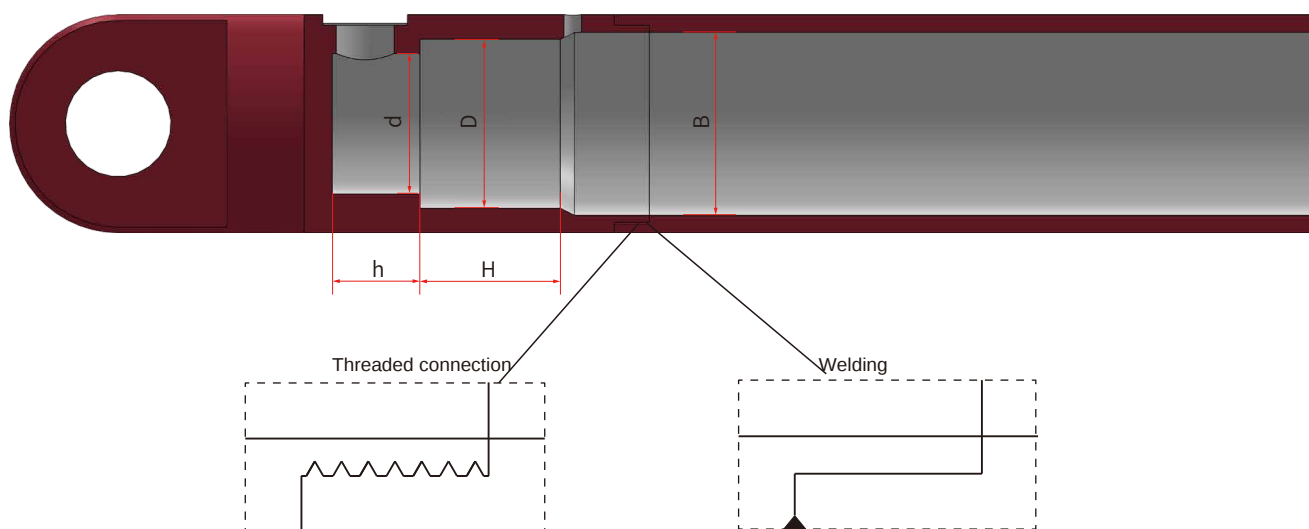
4. Do not exceed the working pressure during use.



Flange housing with O-rings and auxiliary gaskets



Fix it with M5 hexagon socket flat-end set screws, with a maximum torque of 0.5N/m



type	B 液压缸最小直径	D min diameter	H depth	d min diameter	h depth
MT	52	48H8 (screw) 48G7 (welding)	40 ^{+0.2}	$> 32.5 < 40$	> 22

Tech Parameter

Parameter	unit	detail
Range	mm	50 - 2500 (rang customized) ,
Output signal		0.25-4.75VDC(load resistance $\geq$ 10K Ω) 、 4-20mA (load resistance $\leq$ 250 Ω)
resolution		12bits D/A (range<500mm for $\pm$ 0.1mm)
Linearity	$\pm$	0.1mm (range<250mm) or 0.04% F.S (range> 250mm)
Repeatability	$\pm$	0.1mm
update time	MS	2
working temperature	$^{\circ}$ C	-40 - 105
output voltage fluctuation	%	< 0.02 % F.S. (min 5mVpp)
working voltage	V	9-32 VDC ($\pm$ 10%)
current consumption	mA	50
Electrical impact	V	500 (Between electrical & mechanicalground)
Reverse voltage protection	V	max - 30 VDC
shock index	g	50(single) /IEC standard 68-2-27
vibration	g	5g/10-2000HZ/IEC standard 68-2-26
protection class		IP67/68
certificate level		accord with CE-standard (pass EMC approval)
working humidity		90% (relative humidity) no condensation allowed
temperature influence		$\leq$ 30 PPM / $^{\circ}$ C

Instructions:

