

Stroke Reading Cylinder with Guide

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URL: <http://www.smcworld.com>

CE2B32-H0175-50

Application: Work piece measuring

Feature 1 : Measurement is possible within the full stroke range of this MGPM style cylinder.

Application example :

1) Parts inspection

Parts dimensions are measured to determine “good/no good” items, and to prevent mixing of different types of parts.

2) Measuring of machining dimensions

Parts dimensions are measured prior to machining to adjust the depth to be machined.

Specifications

Cylinder specifications

Fluid	Air
Action	Double acting
Proof pressure	1.5MPa
Maximum operating pressure	1.0MPa
Minimum operating pressure	0.1MPa
Piston speed	50 to 500mm/s
Ambient and fluid temperature	0 to 60°C
Cushion	Rubber bumper (Both sides)
Lubrication	Not required (Non-lube)
Stroke tolerance	0 to +1.5mm

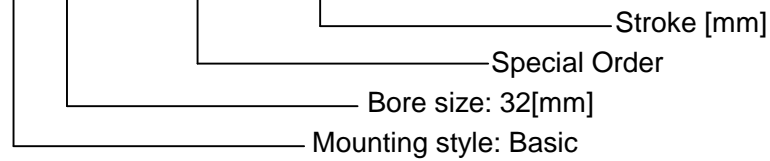
Sensor specifications (Note 1)

Position detection type	Magnetic scale rod Sensor head (Cable length 3m) 〈Incremental type〉
Magnetic resistance	14.5mT
Power supply	12VDC (±10%), Power supply ripple 1% or less
Current consumption	40mA
Resolution	0.1mm/pulse
Accuracy	±0.2mm
Output type	Open collector (Max. 35VDC, 80mA)
Output signal	A, B phase difference output
Enclosure	IP65 (IEC standard) equivalent
Extension cable (Option)	5m, 10m, 15m, 20m

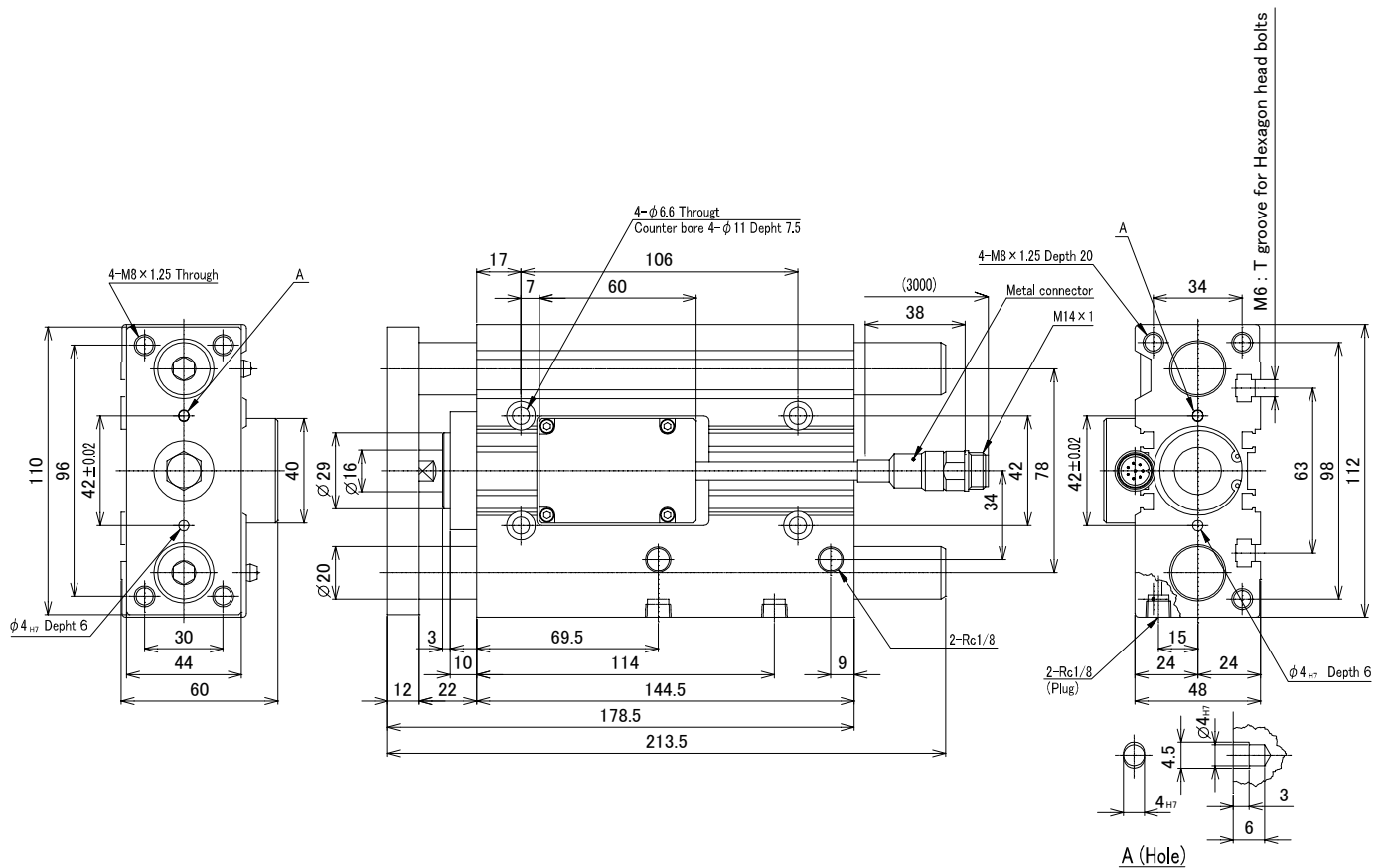
Note 1) CEU1 or CEU5 is recommended for a counter to receive signals from the sensor.
Please contact an SMC sales representative for further details.

How to Order

CE2B32-H0175-50



Dimensions



Note 1: The auto switch for sensing the extended position cannot be mounted on the same side as the sensor unit.



Caution

For safe operation of this product, before using it, be sure to carefully read "Safety Instructions" indicated in our "Best Pneumatics" general catalog.