

85P5-1

Pneumatic Pin Package | Single Shaft | Ordering Information

85P5-1

04

B8

E1

H

0

-K

Plunger

K

Description

Ceramic Coated Plunger

Stroke

0

Description

without Stroke Limiter

Piston Rod

Description

02

Ø16 mm M6 Threaded
Inside Hole, Cross Groove

04

NAAMS Standard

A4

NAAMS Standard Rotated 180°

05

Ø10 mm Inside Hole, Cross Groove

Accessories

Description

00

No Accessories

E1*

External Guide (82ZB-010-2)
*External Guide can be mounted to
front or sides of unit by customer.

Hand Lever

Description

0

No Hand Lever

H

Hand Lever
*Hand Lever can be attached
on either side of unit.

Sensor

Description

00

Without Sensing System

B8

Inductive Sensing System with M12x1
Cable Connector (8EA-033-2)

02

04

A4

05

E1

H

00

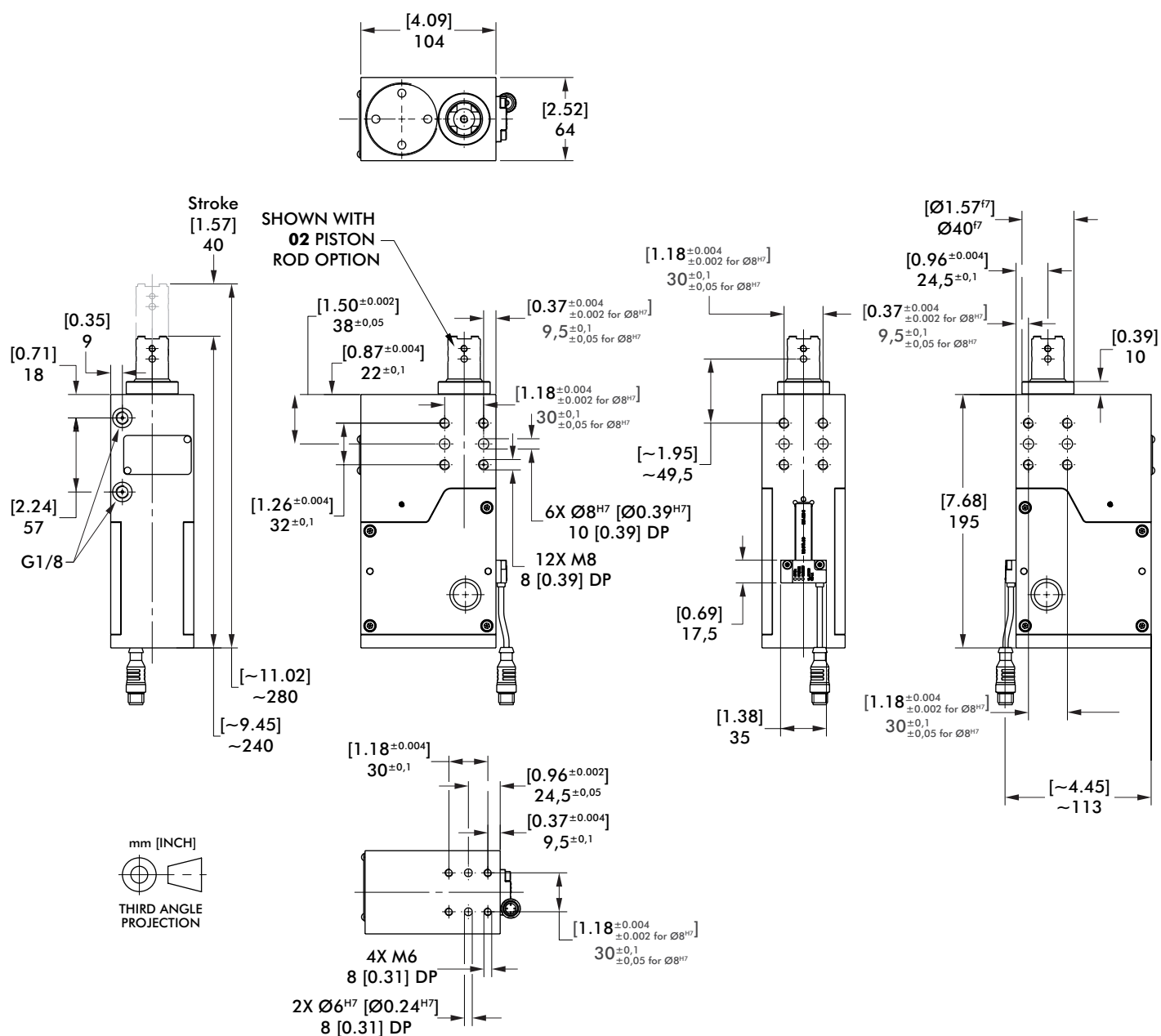
B8



Shown with Hand
Lever H Option.
Hand Lever can be
attached on either
side of unit.

External Guide
E1 option shown.
Can be mounted
to front or sides of
unit by customer.

Pneumatic Pin Package | Single Shaft | Dimensions and Technical Specifications



Medium: Operation with oil free air is permissible

Note: Extracting force and retracting force shown in this chart are only available with the last 2 mm stroke at extracted position. In the other range of the stroke the forces will be approximately 30% of value in the chart.

Base Model	Stroke mm [in]	Pushing Force at 6 bar N [lbf]	Retraction Force at 6 bar N [lbf]	Holding Force at 6 bar N [lbf]	Max. Operating Pressure bar [psi]	Piston Ø mm [in]	Weight Kg [lbs]	Air consumption per double stroke at 5 bar dm ³ [ft ³]
85P5-1	40 [1.57]	2000 [449]	1000 [225]	5000 [1124]	6 [87]	50 [1.97]	3,8 [8.36]	1,1 [0.04]

Pneumatic Pin Package | Single Shaft | Dimensions and Technical Specifications

A4, NAAMS Standard

Technical drawing showing the A4, NAAMS Standard sensor assembly. The drawing includes a side view with dimensions and a top view showing the sensor side.

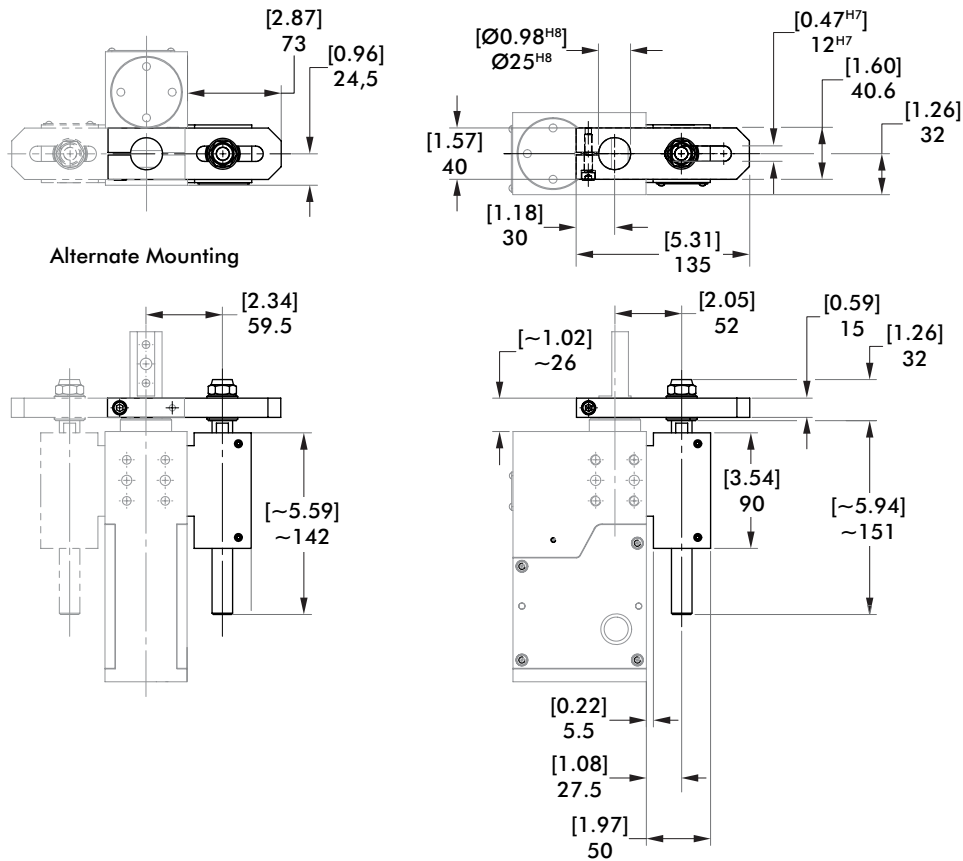
Dimensions and features:

- Top view dimensions: $[0.39 \pm 0.0008]$ 10 ± 0.02 , $[0.98 \pm 0.004]$ 25 ± 0.1 , $[1.18 \pm 0.0008]$ 30 ± 0.02 , $[\text{Ø}0.98 \text{ f7}]$ $\text{Ø}25 \text{ f7}$, $2 \times [\text{Ø}0.24 \text{ H7}]$ $\text{Ø}6 \text{ H7}$, $[\text{Ø}0.35]$ $\text{Ø}9$.
- Side view dimensions: $[0.10]$ 2.5 , $[0.51]$ 13 .
- Top view labels: **04 (0°)**, **A4 (180°)**, **Sensor Side**.

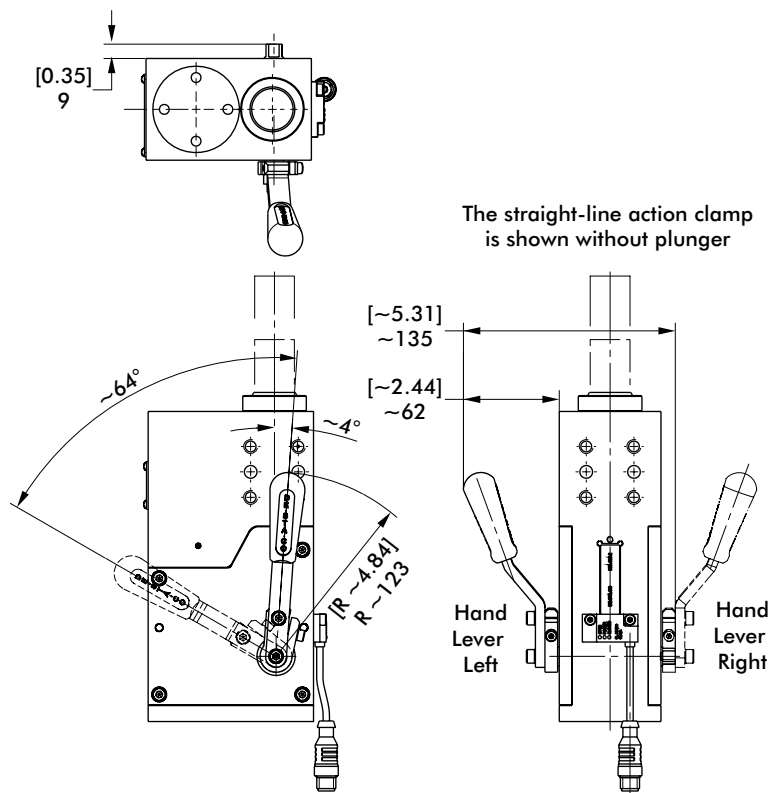
Technical drawing of a mechanical part, labeled 07. The drawing shows a cross-section and a top view. Key dimensions and tolerances are indicated:

- Top view dimensions:
 - Outer diameter: $\varnothing 25^{H7}$
 - Inner hole diameter: $\varnothing 10^{H7}$
 - Central hole diameter: $\varnothing 0.98^{F7}$
 - Radial distance from center to outer edge: 11^{H7}
- Side view dimensions:
 - Overall height: 45
 - Base diameter: $\varnothing 5$
 - Threaded section: M6
 - Threaded section length: 1.77
 - Distance from base to start of threaded section: 22
 - Distance from base to start of threaded section (tolerance): 0.87
 - Distance from base to start of threaded section (tolerance): 15.5 ± 0.1
 - Distance from base to start of threaded section (tolerance): 7.5 ± 0.1
 - Distance from base to start of threaded section (tolerance): 0.61 ± 0.004
 - Distance from base to start of threaded section (tolerance): 0.30 ± 0.004
 - Distance from base to start of threaded section (tolerance): 0.08
 - Distance from base to start of threaded section (tolerance): 2

E1 External Guide



H Hand Lever



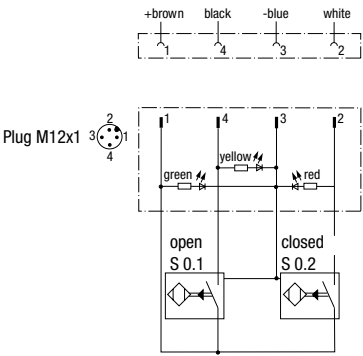
Model no.	Weight kg [lb]
85P5-1****00H0	4 [8.82]

85P5-1

Pneumatic Pin Package | Single Shaft | Dimensions and Technical Specifications

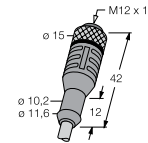
Inductive Sensor Wiring Diagram

Sensing system immune to interference from A.C./D.C. arc welding.

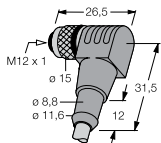


Sensor Accessories and Spare Parts

Description	Order no.
Sensor Cables (1 connector & 5 m cable)	
M12x1 connector, straight, 5-pin	8EL-002-1
M12x1 connector, 90° angular, 4-pin	8EL-003-1
Spare Parts	
Cylinder	8PW-105-1
Cylinder Seal Kit	8PW-105-1-00



Straight Cable



Angular Cable

