

# Automotive Style Locating Pins

## Retaining Block Pin Holder

**Automotive Style Locating Pins – Retaining Block Pin Holder**

RoHS 10

Type	Material	Surface Treatment
IS-MB	Low Carbon Steel	Black Oxide

25/ (6.3/ 1.6/)

Min. chamfer 0.5mm

28<sup>-0.5</sup> L<sup>-0.1</sup>

1.0×45°

φ16<sup>h7</sup>

M8×1.25 - 17mm dp. min

20<sup>-0.2</sup>

20<sup>-0.2</sup>

R0.5max

φ3<sup>0</sup> Brake Through (Air Vent Hole)

φ25

M6×1 - Brake Through

Type	P (H7)	L 1 mm increments	F	L <sub>1</sub> min	L <sub>1</sub> max	G	Compatible Flanged Pin	Compatible Large Head Pin
IS-MB	10T	42-170	9	25	27	23	THATAT10T-PXX.X-BXX	THNTAT10T-PXX.X-BXX
	10		14	32	34	30	THATAT10-PXX.X-BXX	THNTAT10-PXX.X-BXX
	12		17	36	38	34	THATAT12-PXX.X-BXX	THNTAT12-PXX.X-BXX
	16		17	36	38	34	THATAT16-PXX.X-BXX	THNTAT16-PXX.X-BXX

**Part Number Example**

Part Number - P - L

IS-MB - 12 - L70

**Application Example**

Standard Bullet Nose Pin  
THNTAT or THATAT

IS-MB Pin Holder

Standard Automotive  
Retaining Block

Standard THNTAT Pin

Sets Screw

Vent Hole

Misumi Automotive style Configurable pins (IS-NMF and IS-NML) are available with maximum head working length of 30 mm. In some situations, the location of the actual locating area requires a longer pin. The Pin Holder is designed to be used with THNTAT or THATAT style pins with set screw mount style configured as shown above. Specification table above shows the compatible pin types. Please, note that the Shank female thread size is M8, where Standard NAAMS size is M10.

# Automotive Style Locating Pins

## Large Head Cylinder Pin / Bullet Nose Type

Configurable Large Head Cylinder Pin is designed to fit the Shaft of Automotive style Locating Cylinders

**Automotive Style Locating Pins – Large Head Cylinder Pin**

RoHS 10

Type	Material	Hardness
IS-LCYL	SCM415 Alloy Steel	55 HRC min.*

\*Hardness Depth 0.7-0.8 (Shank area not hardened).

6.3/ (1.6/ 0.8/ 0.8/)

48±0.5

φ16<sup>h7</sup>

φ12 / φ8<sup>h7</sup>

R=PX3

R3

1.0×45°

R0.5max

Type	P 0.05mm Increment	B 1 mm Increment
IS-LCYL	16.1-32	5-30 B≤PX4

**Part Number Example**

Part Number - P - B

IS-LCYL - P20.05 - B18

**Application Example**

Large Head  
Cylinder Pin

Standard Automotive  
Style Cylinder

Configurable Large Head Cylinder Pin is designed to fit the Shaft of Automotive style Locating Cylinder. The maximum Head working length is 30 mm. If longer pin is needed, please consider Cylinder Pin Holder (IS-CPH).