

Locating Pins - Large Head, Round Tapered

Standard / Tapped / Threaded

Feature: Small boundary between insertion guide and locating parts ("No Edge" in diagram) prevents damage of locating target. Buff finished products with enhanced appearance and slide are also available.

| Material No. | Material | Surface Treatment | Hardness | Type | D Tolerance and Shape Code |
|--------------|----------------------|--|--|--------|---|
| ① | 01 Tool Steel | - | Treated Hardness: 60~63HRC | JPRB | B (Standard, m6) PB (Standard, p6) TB (Tapped) NB (Threaded) |
| ② | 01 Tool Steel | Hard Chrome Plating Plating Thickness: 3µm or more | Hardness: 50~55HRC Plating Hardness: 750HV~ | GJPRB | |
| ③ | 304 Stainless Steel | - | - | SJPRB | |
| ④ | 440C Stainless Steel | - | Treated Hardness: 50~55HRC | CJPRB | |
| ⑤ | 01 Tool Steel | Buffed Surface | Treated Hardness: 60~63HRC | MJPRB | |
| ⑥ | 01 Tool Steel | Hard Chrome Plating + Buffed Plating Thickness: 3µm or more | Treated Hardness: 60~63HRC Plating Hardness: 750HV~ | MGJPRB | |
| ⑦ | 440C Stainless Steel | Buffed Surface | Treated Hardness: 50~55HRC | MCJPRB | |

Standard

Tapped

Threaded

RoHS10

Standard

Tapped

Threaded

Buffed at // part only.

The boundary between B and E dimensions is indistinct.

* The insertion guide is applicable to tolerance p6 only.

* 440C Stainless Steel has an identification groove on D part.

* Polished, centering hole is sometimes not available for 304 Stainless Steel.

| Part Number | | D Tolerance | | P | | L | B | C | E | ℓ |
|---|-------------------|-------------|--------|--------|----------|----|----|-----|---|---|
| Type | Shape Code | D | m6 | p6 | | | | | | |
| JPRB GJPRB SJPRB CJPRB (Buff Finished) MJPRB MGJPRB MCJPRB | B (m6) PB (p6) | 2 | +0.008 | +0.012 | 3 4 | 4 | 3 | 0.5 | 3 | 0 |
| | | 3 | +0.002 | +0.006 | 4 5 6 | 5 | 5 | | | |
| | | 4 | | | 5 6 | 6 | 6 | 1 | 4 | |
| | | 5 | +0.012 | +0.020 | 6 8 | 10 | 8 | 1.5 | 5 | 1 |
| | | 6 | +0.004 | +0.012 | 8 10 | 10 | 10 | | | |
| | | 8 | +0.015 | +0.024 | 10 12 13 | 15 | 10 | 2 | 6 | |
| | | 10 | +0.006 | +0.015 | 12 13 15 | 22 | 10 | | | |
| | | 12 | | | 13 15 16 | 22 | 10 | | | |
| | | 13 | +0.018 | +0.029 | 15 16 | 25 | 15 | 3 | 7 | 2 |
| | | 16 | +0.007 | +0.018 | 20 25 | 30 | 15 | | | |
| 20 | +0.021 | +0.035 | 25 30 | 30 | 15 | | | | | |
| | | +0.008 | +0.022 | | | | | | | |

| Part Number | | D Tolerance g6 | | P | | L | B | E | M (Coarse Thread) | ℓ |
|---|------------|----------------|--------|----------|----|----|---|------|-------------------|---|
| Type | Shape Code | D | | | | | | | | |
| JPRB GJPRB SJPRB CJPRB (Buff Finished) MJPRB MGJPRB MCJPRB | TB | 6 | -0.004 | 8 10 | 10 | 8 | 5 | M3 | 5 | |
| | | 6T | -0.012 | 8 10 | 10 | 8 | 5 | M2.6 | 4 | |
| | | 8 | -0.005 | 10 12 13 | 15 | 8 | 5 | M5 | 8 | |
| | | 8T | -0.014 | 10 12 13 | 15 | 8 | 5 | M4 | 6 | |
| | | 10 | | 12 13 15 | 15 | 10 | 6 | M5 | 8 | |
| | | 12 | -0.006 | 13 15 16 | 22 | 10 | 6 | M8 | 12 | |
| | | 13 | -0.017 | 15 16 | 22 | 10 | 6 | | | |
| | | 16 | | 20 25 | 22 | 15 | 7 | | | |
| | | 20 | -0.007 | 25 30 | 30 | 15 | 7 | | | |
| | | | | -0.020 | | | | | | |

* Pins of D dimension with T have one size smaller thread diameter and larger wall thickness. (Actual D dimension is the number without "T".)

* Note the strength of under-head portion. **P.1309** Please confirm pilot hole depth on **P.1309**. Holes may go through.

| Part Number | | D Tolerance g6 | | P | | L | B | E | M (Coarse Thread) | ℓ |
|---|------------|----------------|--------|----------|----|----|---|-----|-------------------|---|
| Type | Shape Code | D | | | | | | | | |
| JPRB GJPRB SJPRB CJPRB (Buff Finished) MJPRB MGJPRB MCJPRB | NB | 3 | -0.002 | 4 5 6 | 5 | 5 | 3 | M3 | | |
| | | 4 | -0.008 | 5 6 | 5 | 6 | 4 | M4 | | |
| | | 5 | -0.004 | 6 8 | 10 | 6 | 4 | M5 | | |
| | | 6 | -0.012 | 8 10 | 10 | 8 | 5 | M6 | | |
| | | 8 | -0.005 | 10 12 13 | 15 | 8 | 5 | M8 | | |
| | | 10 | -0.014 | 12 13 15 | 15 | 10 | 6 | M10 | | |
| | | 12 | -0.006 | 13 15 16 | 22 | 10 | 6 | M12 | | |
| | | 16 | -0.017 | 20 25 | 22 | 15 | 7 | M16 | | |
| | | 20 | -0.007 | 25 30 | 30 | 15 | 7 | M20 | | |
| | | | | -0.020 | | | | | | |

* Applicable when D≥5.

* Tightening torque will be within Strength Class of 10.9 as indicated in the Technical Data (Ref. MISUMI 2011 catalog P.3549). *Not applicable when using locking adhesives or lock washers.

Ordering Example

Part Number: JPRB B 10 - 12

Type: JPRB Shape: B D: 10 P: 12

MJPRB TB 12 - 16

Days to Ship [Configure Online](#)

Price [Configure Online](#)

| D | Unit Price | | | | | | |
|----|-------------------------------|--------------------------------|-----------------------------|------------------------------|---|--|--|
| | ①01 Tool Steel Hardened JPRBB | ②01 Tool Steel Hardened GJPRBB | ③304 Stainless Steel SJPRBB | ④440C Stainless Steel CJPRBB | ⑤01 Tool Steel Hardened + Buffed MJPRBB | ⑥01 Tool Steel Hardened + Buffed MGJPRBB | ⑦440C Stainless Steel + Buffed MCJPRBB |
| 2 | | | | | | | |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | | | | | |
| 10 | | | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 16 | | | | | | | |
| 20 | | | | | | | |

| D | Unit Price | | | | | | |
|----|--------------------------------|---------------------------------|------------------------------|-------------------------------|--|---|---|
| | ①01 Tool Steel Hardened JPRBTB | ②01 Tool Steel Hardened GJPRBTB | ③304 Stainless Steel SJPRBTB | ④440C Stainless Steel CJPRBTB | ⑤01 Tool Steel Hardened + Buffed MJPRBTB | ⑥01 Tool Steel Hardened + Buffed MGJPRBTB | ⑦440C Stainless Steel + Buffed MCJPRBTB |
| 6 | | | | | | | |
| 6T | | | | | | | |
| 8 | | | | | | | |
| 8T | | | | | | | |
| 10 | | | | | | | |
| 12 | | | | | | | |
| 13 | | | | | | | |
| 16 | | | | | | | |
| 20 | | | | | | | |

Alterations [Part Number](#) - P - (DRC, RC)

JPRBB10 - 12 - RC

[Configure Online](#)

| D | Unit Price | | | | | | |
|----|--------------------------------|---------------------------------|------------------------------|-------------------------------|--|---|---|
| | ①01 Tool Steel Hardened JPRBNB | ②01 Tool Steel Hardened GJPRBNB | ③304 Stainless Steel SJPRBNB | ④440C Stainless Steel CJPRBNB | ⑤01 Tool Steel Hardened + Buffed MJPRBNB | ⑥01 Tool Steel Hardened + Buffed MGJPRBNB | ⑦440C Stainless Steel + Buffed MCJPRBNB |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 8 | | | | | | | |
| 10 | | | | | | | |
| 12 | | | | | | | |
| 16 | | | | | | | |
| 20 | | | | | | | |

| Alteration | Screwdriver Slot | Spherical Tip |
|--------------------|---|--|
| | | |
| Code | DRC | RC |
| Spec. | Width 0.8mm Depth 1mm * Applicable to Threaded Type only. | Changes the relief to R0.5. * Applicable when P-D≥2 |
| Price Adder | | |

Surface Shape Measurement Result (Reference)

<Test Name> Surface Shape Measurement

<Measuring Instrument> Tokyo Seimitsu SURFCOM1800D-22

<Sample>

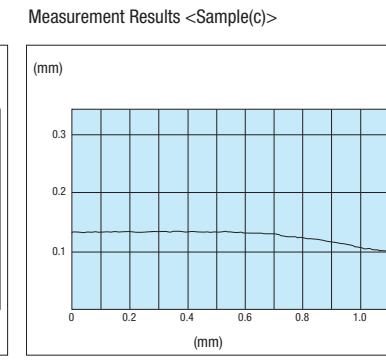
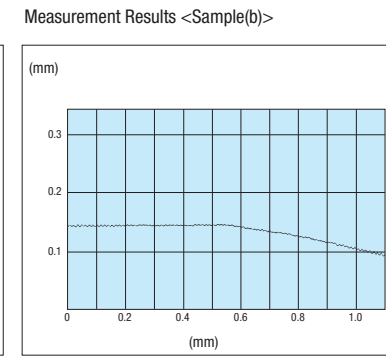
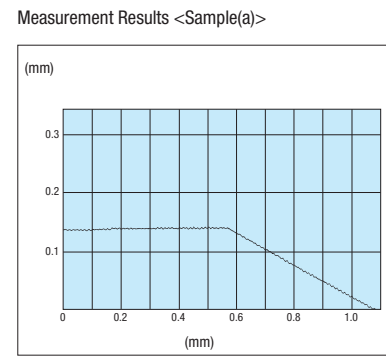
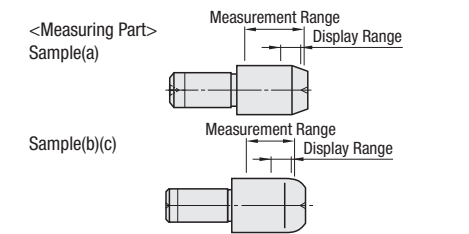
(a) JPBB8-12 (P.1311 Large Head, Tapered)

(b) JPRBB8-12 (Large Head, Round Tapered Non Buff Finished)

(c) MJPRBB8-12 (Large Head, Round Tapered Buff Finished Product)

<Test Conditions>

- Measurement Length 12mm
- Measurement Pitch 0.001mm
- Measurement Speed 0.6mm/S



Conventional Tapered Type: The edge remains. Round Tapered Type: No edge. Buffed Finished: No edge and the surface is smooth.