

# STEEL PIN GAUGE SET PM • PG series

## SUB-ZERO TREATMENT (Cryogenic hardened)

### PM series ⊕ ⊖

#### FEATURES

- Pin Gauges with tolerance of 0 to plus 2μm or 0 to minus 2μm based on nominal size
- For over 1.000mm, nominal size and P(for Plus) or M(for Minus) is marked on gages
- Please indicate "plus" or "minus" when ordering
- Individual Pin Gauges are also available



### PG series ⊕ ⊖

#### FEATURES

- Pin Gauges with tolerance of +2 to +5μm (or -2 to -5μm) based on nominal size
- Please indicate "plus" or "minus" when ordering
- Individual Pin Gauges are also available



※ Pin Vise is not included  
※ PG-00 and PG-3 differ in size step

### SPECIFICATIONS

| Size (mm)    | Step (mm) | Length (mm) | Tolerance (μm)       | Out of Roundness/<br>Cylindricity (μm) | Hardness (HV) |
|--------------|-----------|-------------|----------------------|----------------------------------------|---------------|
| 0.20...0.99  | 0.01 step | 40          | Plus or Minus<br>0~2 | within 1.0                             | Over 650      |
| 1.00...10.00 |           | 50          |                      |                                        |               |

(0.01mm step)

| Model No. | Nominal size (mm)        | Pins per set | Pin Vise |
|-----------|--------------------------|--------------|----------|
| PM-0A     | 0.20•0.21•0.22..... 0.50 | 51           | —        |
| PM-0B     | 0.50•0.51•0.52..... 1.00 | 51           | PV-0B    |
| PM-1A     | 1.00•1.01•1.02..... 1.50 | 51           | PV-1A    |
| PM-1B     | 1.50•1.51•1.52..... 2.00 | 51           | PV-1B    |
| PM-2A     | 2.00•2.01•2.02..... 2.50 | 51           | PV-2A    |
| PM-2B     | 2.50•2.51•2.52..... 3.00 | 51           | PV-2B    |
| PM-3A     | 3.00•3.01•3.02..... 3.50 | 51           | PV-3A    |
| PM-3B     | 3.50•3.51•3.52..... 4.00 | 51           | PV-3B    |
| PM-4A     | 4.00•4.01•4.02..... 4.50 | 51           | PV-4A    |
| PM-4B     | 4.50•4.51•4.52..... 5.00 | 51           | PV-4B    |
| PM-5A     | 5.00•5.01•5.02..... 5.50 | 51           | PV-5A    |
| PM-5B     | 5.50•5.51•5.52..... 6.00 | 51           | PV-5B    |
| PM-6A     | 6.00•6.01•6.02..... 6.50 | 51           | PV-6A    |
| PM-6B     | 6.50•6.51•6.52..... 7.00 | 51           | PV-6B    |
| PM-7A     | 7.00•7.01•7.02..... 7.50 | 51           | —        |
| PM-7B     | 7.50•7.51•7.52..... 8.00 | 51           |          |
| PM-8A     | 8.00•8.01•8.02..... 8.50 | 51           | —        |
| PM-8B     | 8.50•8.51•8.52..... 9.00 | 51           |          |
| PM-9A     | 9.00•9.01•9.02..... 9.50 | 51           | —        |
| PM-9B     | 9.50•9.51•9.52.....10.00 | 51           |          |

### FEATURES

| Nominal size (mm) | Step (mm)  | Length (mm) | Tolerance (μm)                   | Out of Roundness/<br>Cylindricity (μm) | Hardness (HV) |
|-------------------|------------|-------------|----------------------------------|----------------------------------------|---------------|
| 0.100 ... 0.190   | 0.01 step  | 20          | ⊕2~5<br>based on<br>nominal size | 1.5                                    | Over 650      |
| 0.200 ... 0.290   |            | 40          | ⊖2~5<br>based on<br>nominal size |                                        |               |
| 0.300 ... 0.975   | 0.025 step | 50          | ※                                |                                        |               |
| 1.000 ...12.975   |            | 50          | ※                                |                                        |               |
| 13.000 ...19.000  | 0.1 step   |             | ※                                |                                        |               |

※The tolerance of 13.000~19.000 Pin Gauge are with Plus (or Minus) 1~5μm

| Model No. | Nominal size                  | Step       | Pins per set |
|-----------|-------------------------------|------------|--------------|
| PG-00     | 0.100• 0.110• 0.120... 0.290  | 0.01 step  | 20           |
| PG-0      | 0.300• 0.325• 0.350... 1.525  | 0.025 step | 50           |
| PG-1      | 1.550• 1.575• 1.600... 6.275  |            | 190          |
| PG-2A     | 6.300• 6.325• 6.350... 9.775  |            | 140          |
| PG-2B     | 9.800• 9.825• 9.850...12.525  |            | 110          |
| PG-2C     | 12.550•12.575•12.600...12.975 | 0.1 step   | 18           |
| PG-3      | 13.000•13.100•13.200...19.000 |            | 61           |