

### Oval Straight

**Applicable Bushings:** (1) For Standard Type, see **P.1832**, (2) For Stepped Type, see **P.1831**

| PartNumber   |                         |                                                                                                                            |                         | 0.01 mm Increment |             |                 | 0.1 mm Increment      | 1 mm Increment        |                    | M  |                           |                       |
|--------------|-------------------------|----------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------|-------------|-----------------|-----------------------|-----------------------|--------------------|----|---------------------------|-----------------------|
| (1) Standard |                         | (2) Stepped                                                                                                                |                         | D                 | P           | W               | S                     | F(F<S/2)              | L                  |    | B                         |                       |
| Type         | MaterialCode            | Type                                                                                                                       | MaterialCode            |                   |             |                 | (2) Stepped Type only | (2) Stepped Type only |                    |    | (2) Stepped Type Only     | (2) Stepped Type Only |
| KJP          | SC<br>SHC<br>SCS<br>SCC | S <sup>0</sup> <sub>0.02</sub> / F <sup>0</sup> <sub>0.05</sub><br>KJP<br><br>Sg6 / F <sup>0</sup> <sub>0.03</sub><br>KJPG | DC<br>DHC<br>DCS<br>DCC | 8                 | 4.00–6.00   | P>W>S<br>W≥3.01 | 3.00–5.00             | 0.3–2.5               | Standard<br>5–30*1 | M4 |                           |                       |
|              |                         |                                                                                                                            |                         | 10                | 4.00–8.00   |                 | 3.00–7.00             | 0.3–3.5               |                    |    |                           |                       |
|              |                         |                                                                                                                            |                         | 12                | 4.00–10.00  |                 | 3.00–9.00             | 0.5–4.5               |                    |    |                           |                       |
|              |                         |                                                                                                                            |                         | 16                | 6.00–14.00  |                 | 4.00–13.00            | 0.5–6.5               |                    |    |                           |                       |
|              |                         |                                                                                                                            |                         | 20                | 10.00–18.00 |                 | 6.00–17.00            | 1.0–8.5               |                    |    |                           |                       |
|              |                         |                                                                                                                            |                         | 25                | 14.00–22.00 |                 | 8.00–21.00            | 2.0–10.5              |                    |    |                           |                       |
|              |                         |                                                                                                                            |                         | 10L               | 10.00–16.00 |                 | 5.00–15.00            | 1.0–7.5               | Stepped<br>5–20    |    | Stepped Type Only<br>5–20 | M5                    |
|              |                         |                                                                                                                            |                         | 12L               | 12.00–20.00 |                 | 6.00–19.00            | 2.0–9.5               |                    |    |                           |                       |
|              |                         |                                                                                                                            |                         | 16L               | 16.00–25.00 |                 | 8.00–24.00            | 2.0–12.0              |                    |    |                           |                       |
|              |                         |                                                                                                                            |                         | 20L               | 20.00–30.00 |                 | 10.00–29.00           | 2.0–14.5              |                    |    |                           |                       |
|              |                         |                                                                                                                            |                         |                   |             |                 |                       |                       |                    |    |                           |                       |
|              |                         |                                                                                                                            |                         |                   |             |                 |                       |                       |                    |    |                           |                       |

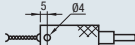
**Part Number Example**

| Part Number |                       |    | P | W      | S | F     | L | B     |   |      |   |    |   |     |
|-------------|-----------------------|----|---|--------|---|-------|---|-------|---|------|---|----|---|-----|
| Type        | Config. Material Code | D  |   |        |   |       |   |       |   |      |   |    |   |     |
| KJP         | DC                    | 16 | - | P10.97 | - | W8.47 | - | S6.00 | - | F2.0 | - | L5 | - | B10 |

| D          |     | 1Standard – Available Types |       |        |        |                        |       | 2Stepped – Available Types           |       |        |                                    |       |       |
|------------|-----|-----------------------------|-------|--------|--------|------------------------|-------|--------------------------------------|-------|--------|------------------------------------|-------|-------|
|            |     | L dimension 20 or Less      |       |        |        | L dimension 21 or More |       | S <sup>2.02</sup> /F <sup>2.05</sup> |       |        | S <sub>95</sub> /F <sup>2.03</sup> |       |       |
|            |     | KJPSC                       | KJPSC | KJPSCS | KJPSCC | KJPSC                  | KJPSC | KJPDC                                | KJPDC | KJPDCS | KJPDC                              | KJPDC | KJPDC |
| Small Head | 8   | •                           | •     | •      | •      | —                      | —     | •                                    | •     | •      | •                                  | •     | •     |
|            | 10  | •                           | •     | •      | •      | •                      | •     | •                                    | •     | •      | •                                  | •     | •     |
|            | 12  | •                           | •     | •      | •      | •                      | •     | •                                    | •     | •      | •                                  | •     | •     |
|            | 16  | •                           | •     | •      | •      | •                      | •     | •                                    | •     | •      | •                                  | •     | •     |
|            | 20  | •                           | •     | •      | •      | •                      | •     | •                                    | •     | •      | •                                  | •     | •     |
|            | 25  | •                           | •     | •      | •      | •                      | •     | •                                    | •     | •      | •                                  | •     | •     |
| Large Head | 10L | •                           | •     | —      | —      | •                      | •     | •                                    | •     | —      | •                                  | •     | —     |
|            | 12L | •                           | •     | —      | —      | •                      | •     | •                                    | •     | —      | •                                  | •     | —     |
|            | 16L | •                           | •     | —      | —      | •                      | •     | •                                    | •     | —      | •                                  | •     | —     |
|            | 20L | •                           | •     | —      | —      | •                      | •     | •                                    | •     | —      | •                                  | •     | —     |

**Part Number Alterations**

| Part Number | P        | W       | S       | F      | L     | B     | (CH / KH / ZC...etc.) |
|-------------|----------|---------|---------|--------|-------|-------|-----------------------|
| KJPDC12     | - P8.50  | - W4.50 | - S3.50 | - F1.2 | - L5  | - B10 | CH                    |
| KJPSC20     | - P10.00 | - W5.00 |         |        | - L10 | -     | ZC20                  |

| Alterations                                                                                                              | Code | Spec.                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Chain Attachment</p>               | CH   | <p>Retaining chain (length 600 mm) is attached to the gauge body.</p> <p>Ⓢ For chains only, refer to P.1845.</p>                                                                                                                                                                                                                            |
| <p>Engraving of P or W Dimension</p>  | KH   | <p>Machines flats on knurled head and engraves P and W dimension.</p> <p>Ⓢ Not applicable to handle length 10.</p>                                                                                                                                                                                                                          |
| <p>Handle Length</p>                  | ZC   | <p>Changes handle length 50 to 20, 30 or 40.</p> <p><b>Ordering Code:</b> ZC20</p> <p>Ⓢ Handle Diameter <math>D \geq 10</math>, Pin Length <math>(L \text{ or } L+B) \leq 20</math>, Pin Diameter <math>P \geq 6</math>, <math>W, S \geq 5</math> S/2+F <math>\geq 4.5</math></p> <p>Applicable only when above conditions are all met.</p> |

| Alterations                                                                                                     | Code | Spec.                                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------|
| P, W Dimension Tolerance<br> | PKC  | Changes P and W dimension tolerance to g6.<br>☒ Combination with GN is not available.                                                 |
| No Polish on Pin<br>         | GN   | No polishing on pin part.<br>(Maintaining roughness 1.6)<br>☒ Combination with PKC is not available.<br>☒ Not applicable to Sg6 type. |

## Square Straight

**Applicable Bushings:** (1) For Standard Type, see **P.1833**, (2) For Stepped Type, see **P.1831**

| Part Number  |               |                                                                          |                  | 0.01mm Increment |             |                 |            |                            | 0.1 mm Increment                  | 1 mm Increment                 |                            | M  |
|--------------|---------------|--------------------------------------------------------------------------|------------------|------------------|-------------|-----------------|------------|----------------------------|-----------------------------------|--------------------------------|----------------------------|----|
| (1) Standard |               | (2) Stepped                                                              |                  | D                | P           | W               | R          | S<br>(2) Stepped Type only | F(F≤S/2)<br>(2) Stepped Type only | L                              | B<br>(2) Stepped Type only |    |
| Type         | Material Code | Type                                                                     | Material Code    |                  |             |                 |            |                            |                                   |                                |                            |    |
| KJP          | SR<br>SHR     | S <sup>0</sup> <sub>-0.02</sub> / F <sup>0</sup> <sub>0.05</sub><br>KJ5P | DR<br>DHR<br>DRS | 8                | 4.00-6.00   | P≥W>S<br>W≥3.01 | 0.20≤R<W/2 | 3.00-5.00                  | 0.3-2.5                           | Standard<br>5-30 <sup>*1</sup> | M4                         |    |
|              |               |                                                                          |                  | 10               | 4.00-6.00   |                 |            | 3.00-7.00                  | 0.3-3.5                           |                                |                            |    |
|              |               |                                                                          |                  | 12               | 4.00-10.00  |                 |            | 3.00-9.00                  | 0.5-4.5                           |                                |                            |    |
|              |               |                                                                          |                  | 16               | 6.00-14.00  |                 |            | 4.00-13.00                 | 0.5-6.5                           |                                |                            |    |
|              |               |                                                                          |                  | 20               | 10.00-18.00 |                 |            | 6.00-17.00                 | 1.0-8.5                           |                                |                            |    |
|              |               |                                                                          |                  | 25               | 12.00-22.00 |                 |            | 8.00-21.00                 | 2.0-10.5                          |                                |                            |    |
|              |               | Sg6 / F <sup>0</sup> <sub>0.03</sub><br>KJPG                             | 10L              | 8.00-16.00       | 5.00-15.00  |                 |            | 1.0-7.5                    | Stepped<br>5-20                   | Stepped Type Only<br>5-20      |                            | M5 |
|              |               |                                                                          | 12L              | 10.00-20.00      | 6.00-19.00  |                 |            | 2.0-9.5                    |                                   |                                |                            |    |
|              |               |                                                                          | 16L              | 16.00-25.00      | 8.00-24.00  |                 |            | 2.0-12.0                   |                                   |                                |                            |    |
|              |               |                                                                          | 20L              | 20.00-30.00      | 10.00-29.00 |                 |            | 2.0-14.5                   |                                   |                                |                            |    |
|              |               |                                                                          |                  |                  |             |                 |            |                            |                                   |                                |                            |    |
|              |               |                                                                          |                  |                  |             |                 |            |                            |                                   |                                |                            |    |

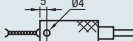
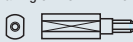
**Part Number Example**

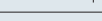
| Part Number |                       |    | P        | W       | R      | S       | F      | L    | B     |
|-------------|-----------------------|----|----------|---------|--------|---------|--------|------|-------|
| Type        | Config. Material Code | D  |          |         |        |         |        |      |       |
| KJP         | DR                    | 16 | - P10.97 | - W8.57 | - R0.5 | - S6.00 | - F2.0 | - L5 | - B10 |

| D          |     | 1Standard – Available Types |        |                        |        | 2Stepped – Available Types                                     |        |        |                                                 |         |         |
|------------|-----|-----------------------------|--------|------------------------|--------|----------------------------------------------------------------|--------|--------|-------------------------------------------------|---------|---------|
|            |     | L dimension 20 or Less      |        | L dimension 21 or More |        | S <sub>0.02</sub> <sup>4</sup> /F <sub>0.05</sub> <sup>5</sup> |        |        | S <sub>PS</sub> /F <sub>0.03</sub> <sup>3</sup> |         |         |
|            |     | KJPSR                       | KJPSHR | KJPSR                  | KJPSHR | KJPDR                                                          | KJPDHR | KJPDRS | KJPGDR                                          | KJPGDHR | KJPGDRS |
| Small Head | 8   | •                           | •      | —                      | —      | •                                                              | •      | •      | —                                               | —       | —       |
|            | 10  | •                           | •      | •                      | •      | •                                                              | •      | •      | •                                               | •       | •       |
|            | 12  | •                           | •      | •                      | •      | •                                                              | •      | •      | •                                               | •       | •       |
|            | 16  | •                           | •      | •                      | •      | •                                                              | •      | •      | •                                               | •       | •       |
|            | 20  | •                           | •      | •                      | •      | •                                                              | •      | •      | •                                               | •       | •       |
|            | 25  | •                           | •      | •                      | •      | •                                                              | •      | •      | •                                               | •       | •       |
| Large Head | 10L | •                           | •      | •                      | •      | •                                                              | •      | —      | •                                               | •       | —       |
|            | 12L | •                           | •      | •                      | •      | •                                                              | •      | —      | •                                               | •       | —       |
|            | 16L | •                           | •      | •                      | •      | •                                                              | •      | —      | •                                               | •       | —       |
|            | 20L | •                           | •      | •                      | •      | •                                                              | •      | —      | •                                               | •       | —       |

**Part Number Alterations**

| Part Number | P       | W      | R     | S      | F     | L    | B    | (CH / KH / ZC...etc.) |
|-------------|---------|--------|-------|--------|-------|------|------|-----------------------|
| KJPD12      | -P8.50  | -W7.50 | -R0.5 | -S6.00 | -F1.5 | -L5  | -B10 | CH                    |
| KJPS16      | -P13.75 | -W6.00 | -R1.0 |        |       | -L20 |      | ZC30                  |

| Alterations                                                                                                                | Code | Spec.                                                                                                                                                                                                                                                                                                                     |
|----------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Chain Attachment</p>               | CH   | <p>Retaining chain (length 600 mm) is attached to the gauge body.</p> <p>Ⓢ For chains only, refer to <b>P:1845</b>.</p>                                                                                                                                                                                                   |
| <p>Engraving of P or W Dimension</p>  | KH   | <p>Machines flats on knurled head and engraves P and W dimension.</p> <p>Ⓢ Not applicable to handle length 10.</p>                                                                                                                                                                                                        |
| <p>Handle Length</p>                  | ZC   | <p>Changes handle length 50 to 20, 30 or 40.</p> <p><b>Ordering Code:</b> ZC20</p> <p>Ⓢ Handle Diameter <math>D \geq 10</math>, Pin Length <math>(L \text{ or } L+B) \leq 20</math>, Pin Diameter P, W, <math>S \geq 5</math> <math>S/2 + F \geq 4.5</math></p> <p>Applicable only when above conditions are all met.</p> |

| Alterations                                                                                                       | Code | Spec.                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------------------------------------------------------------------------------------------------|
| P, W Dimension Tolerance<br> | PKC  | Changes P and W dimension tolerance to g6.<br>☒ Combination with GN is not available.                                                 |
| No Polish on Pin<br>         | GN   | No polishing on pin part.<br>(Maintaining Roughness 1.6)<br>☒ Combination with PKC is not available.<br>☒ Not applicable to Sg6 type. |