

# SRE TYPE

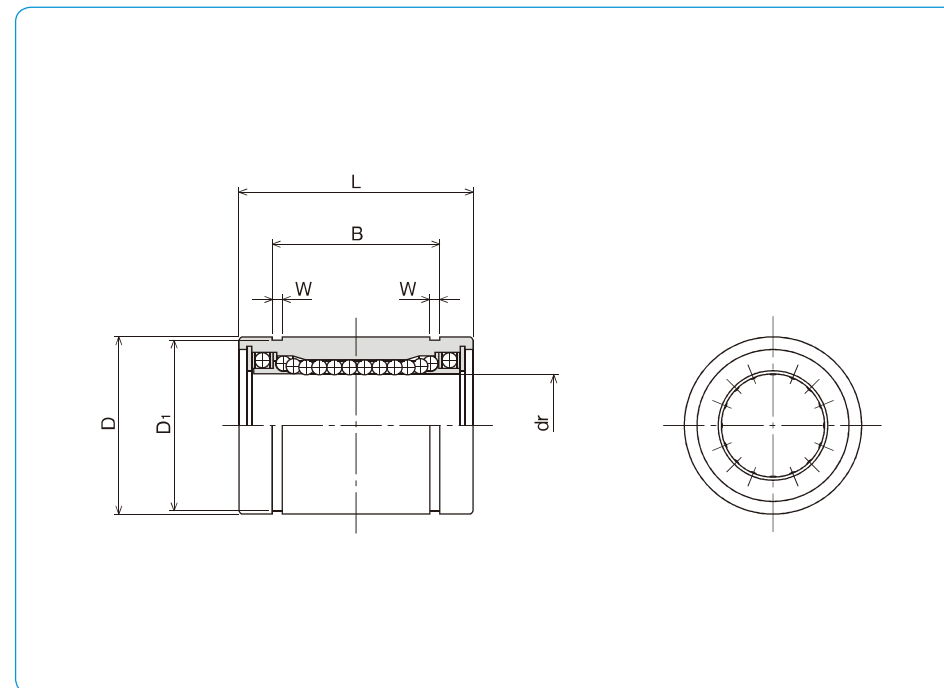


## part number structure

example **SRE 25**

SRE type

inner contact diameter (dr)



| part number  | dr |                         | D  |                         | major dimensions |                |           | B         | tolerance mm |
|--------------|----|-------------------------|----|-------------------------|------------------|----------------|-----------|-----------|--------------|
|              | mm | tolerance $\mu\text{m}$ | mm | tolerance $\mu\text{m}$ | mm               | L tolerance mm |           |           |              |
| <b>SRE 6</b> | 6  | +4<br>-5                | 12 | 0                       | 19               | 0<br>-0.2      | 13.5      | 0<br>-0.2 |              |
| <b>SRE 8</b> | 8  |                         | 15 | -11                     | 24               |                | 17.5      |           |              |
| <b>SRE10</b> | 10 |                         | 19 |                         | 29               |                | 22        |           |              |
| <b>SRE12</b> | 12 | +3<br>-6                | 21 | 0                       | 30               |                | 23        |           |              |
| <b>SRE13</b> | 13 |                         | 23 | -13                     | 32               |                | 23        |           |              |
| <b>SRE16</b> | 16 |                         | 28 |                         | 37               |                | 26.5      |           |              |
| <b>SRE20</b> | 20 | +3<br>-7                | 32 | 0                       | 42               | 30.5           | 0<br>-0.3 |           |              |
| <b>SRE25</b> | 25 |                         | 40 | -16                     | 59               | 41             |           |           |              |
| <b>SRE30</b> | 30 |                         | 45 |                         | 64               | 44.5           |           |           |              |
| <b>SRE40</b> | 40 | +3/-8                   | 60 | 0/-19                   | 80               | 60.5           |           |           |              |

※If the inner contact diameter exceeds 40 mm, please contact NB.

| W    | D1   | basic load rating |             | allowable revolutions per minute rpm | mass g | part number  |
|------|------|-------------------|-------------|--------------------------------------|--------|--------------|
|      |      | dynamic C N       | static Co N |                                      |        |              |
| 1.1  | 11.5 | 78                | 176         | 300                                  | 10     | <b>SRE 6</b> |
| 1.1  | 14.3 | 137               | 314         | 300                                  | 20     | <b>SRE 8</b> |
| 1.3  | 18   | 157               | 372         | 300                                  | 39     | <b>SRE10</b> |
| 1.3  | 20   | 274               | 588         | 300                                  | 42     | <b>SRE12</b> |
| 1.3  | 22   | 323               | 686         | 300                                  | 56     | <b>SRE13</b> |
| 1.6  | 27   | 451               | 882         | 250                                  | 97     | <b>SRE16</b> |
| 1.6  | 30.5 | 647               | 1,180       | 250                                  | 133    | <b>SRE20</b> |
| 1.85 | 38   | 882               | 1,860       | 250                                  | 293    | <b>SRE25</b> |
| 1.85 | 43   | 1,180             | 2,650       | 200                                  | 371    | <b>SRE30</b> |
| 2.1  | 57   | 1,960             | 4,020       | 200                                  | 778    | <b>SRE40</b> |

1N=0.102kgf

# SREK TYPE

– Square Flange type –

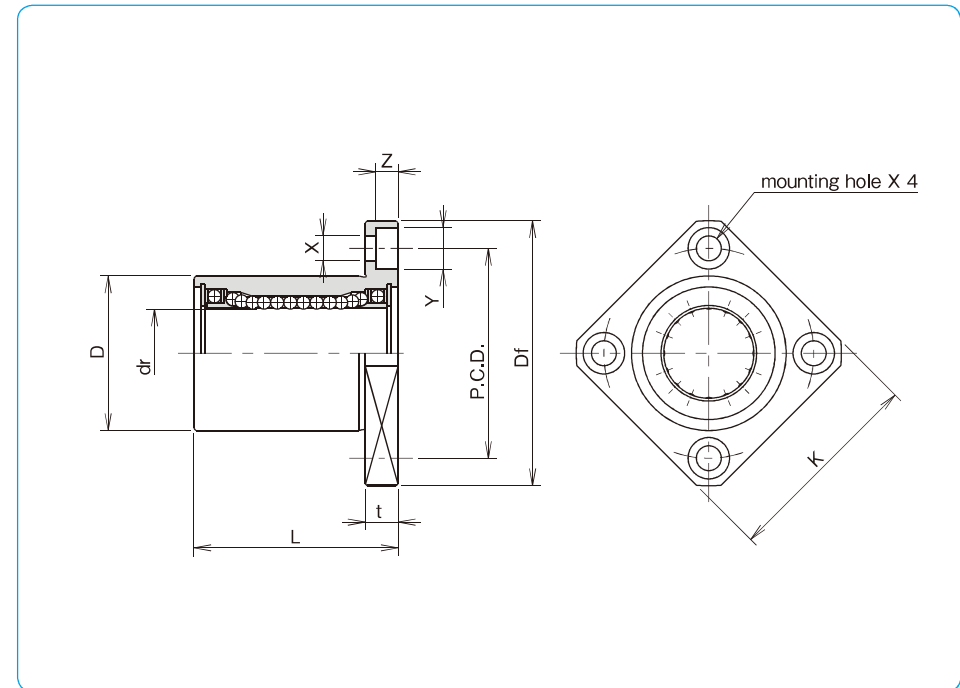


## part number structure

example **SREK 25**

SREK type

inner contact diameter (dr)



| part number    | dr |                 | D  |                 | major dimensions |          |         |                   |
|----------------|----|-----------------|----|-----------------|------------------|----------|---------|-------------------|
|                | mm | tolerance<br>μm | mm | tolerance<br>μm | L<br>±0.3<br>mm  | Df<br>mm | K<br>mm | flange<br>t<br>mm |
| <b>SREK 6</b>  | 6  |                 | 12 | 0               | 19               | 28       | 22      | 5                 |
| <b>SREK 8</b>  | 8  | +4              | 15 | -13             | 24               | 32       | 25      | 5                 |
| <b>SREK 10</b> | 10 | -5              | 19 |                 | 29               | 40       | 30      | 6                 |
| <b>SREK 12</b> | 12 |                 | 21 | 0               | 30               | 42       | 32      | 6                 |
| <b>SREK 13</b> | 13 | +3              | 23 | -16             | 32               | 43       | 34      | 6                 |
| <b>SREK 16</b> | 16 | -6              | 28 |                 | 37               | 48       | 37      | 6                 |
| <b>SREK 20</b> | 20 |                 | 32 | 0               | 42               | 54       | 42      | 8                 |
| <b>SREK 25</b> | 25 | +3              | 40 | -19             | 59               | 62       | 50      | 8                 |
| <b>SREK 30</b> | 30 | -7              | 45 |                 | 64               | 74       | 58      | 10                |

| P.C.D.<br>mm | X × Y × Z<br>mm | perpendicularity<br>μm | basic load rating |                   | allowable<br>revolutions<br>per minute<br>rpm | mass<br>g | part number    |
|--------------|-----------------|------------------------|-------------------|-------------------|---|-----------|----------------|
|              |                 |                        | dynamic<br>C<br>N | static<br>Co<br>N |   |           |                |
| 20           | 3.5 × 6 × 3.1   | 12                     | 78                | 176               | 300   | 21        | <b>SREK 6</b>  |
| 24           | 3.5 × 6 × 3.1   |                        | 137               | 314               | 300   | 33        | <b>SREK 8</b>  |
| 29           | 4.5 × 7.5 × 4.1 |                        | 157               | 372               | 300   | 61        | <b>SREK 10</b> |
| 32           | 4.5 × 7.5 × 4.1 |                        | 274               | 588               | 300   | 67        | <b>SREK 12</b> |
| 33           | 4.5 × 7.5 × 4.1 |                        | 323               | 686               | 300   | 83        | <b>SREK 13</b> |
| 38           | 4.5 × 7.5 × 4.1 |                        | 451               | 882               | 250   | 126       | <b>SREK 16</b> |
| 43           | 5.5 × 9 × 5.1   | 15                     | 647               | 1,180             | 250   | 178       | <b>SREK 20</b> |
| 51           | 5.5 × 9 × 5.1   |                        | 882               | 1,860             | 250   | 355       | <b>SREK 25</b> |
| 60           | 6.6 × 11 × 6.1  |                        | 1,180             | 2,650             | 200   | 483       | <b>SREK 30</b> |

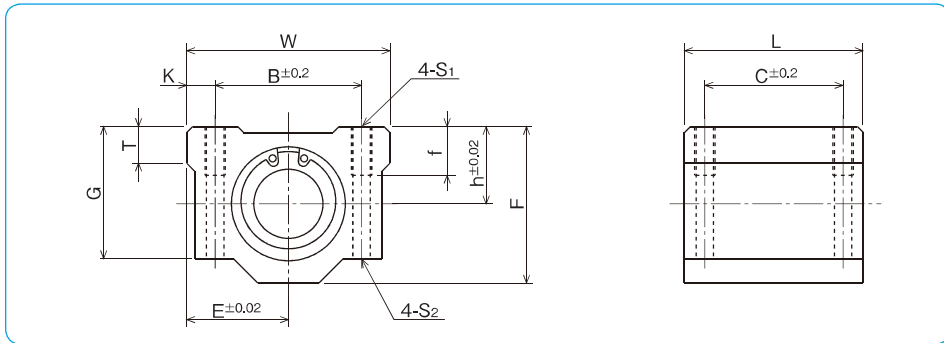
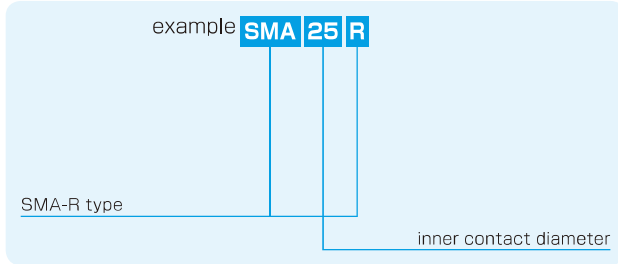
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# SMA-R TYPE

—Block type—



## part number structure



| part number | inner contact diameter |                 | major dimensions |    |     |    |                     |      |    |      |    |         |                |    |                | basic load rating |       | allowable revolutions per minute | mass  |   |     |       |
|-------------|------------------------|-----------------|------------------|----|-----|----|---------------------|------|----|------|----|---------|----------------|----|----------------|-------------------|-------|----------------------------------|-------|---|-----|-------|
|             | mm                     | tolerance<br>μm | outer dimensions |    |     |    | mounting dimensions |      |    |      |    | dynamic | static         |    |                | g                 |       |                                  |       |   |     |       |
|             |                        |                 | h                | E  | W   | L  | F                   | G    | T  | B    | C  | K       | S <sub>1</sub> | f  | S <sub>2</sub> | C                 | Co    | N                                | Co    | N | rpm | g     |
| SMA 6R      | 6                      | +4              | 9                | 15 | 30  | 25 | 18                  | 15   | 6  | 20   | 15 | 5       | M4             | 8  | 3.4            | 78                | 176   | 300                              | 33    |   |     | 33    |
| SMA 8R      | 8                      | -5              | 11               | 17 | 34  | 30 | 22                  | 18   | 6  | 24   | 18 | 5       | M4             | 8  | 3.4            | 137               | 314   | 300                              | 55    |   |     | 55    |
| SMA 10R     | 10                     | -5              | 13               | 20 | 40  | 35 | 26                  | 21   | 8  | 28   | 21 | 6       | M5             | 12 | 4.3            | 157               | 372   | 300                              | 93    |   |     | 93    |
| SMA 12R     | 12                     | +3              | 15               | 21 | 42  | 36 | 28                  | 24   | 8  | 30.5 | 26 | 5.75    | M5             | 12 | 4.3            | 274               | 588   | 300                              | 104   |   |     | 104   |
| SMA 13R     | 13                     | -6              | 15               | 22 | 44  | 39 | 30                  | 24.5 | 8  | 33   | 26 | 5.5     | M5             | 12 | 4.3            | 323               | 686   | 300                              | 128   |   |     | 128   |
| SMA 16R     | 16                     | -6              | 19               | 25 | 50  | 44 | 38.5                | 32.5 | 9  | 36   | 34 | 7       | M5             | 12 | 4.3            | 451               | 882   | 250                              | 216   |   |     | 216   |
| SMA 20R     | 20                     | +3              | 21               | 27 | 54  | 50 | 41                  | 35   | 11 | 40   | 40 | 7       | M6             | 12 | 5.2            | 647               | 1,180 | 250                              | 286   |   |     | 286   |
| SMA 25R     | 25                     | -7              | 26               | 38 | 76  | 67 | 51.5                | 42   | 12 | 54   | 50 | 11      | M8             | 18 | 7              | 882               | 1,860 | 250                              | 645   |   |     | 645   |
| SMA 30R     | 30                     | -7              | 30               | 39 | 78  | 72 | 59.5                | 49   | 15 | 58   | 58 | 10      | M8             | 18 | 7              | 1,180             | 2,650 | 200                              | 824   |   |     | 824   |
| SMA 40R     | 40                     | +3/-8           | 40               | 51 | 102 | 90 | 78                  | 62   | 20 | 80   | 60 | 11      | M10            | 25 | 8.7            | 1,960             | 4,020 | 200                              | 1,719 |   |     | 1,719 |

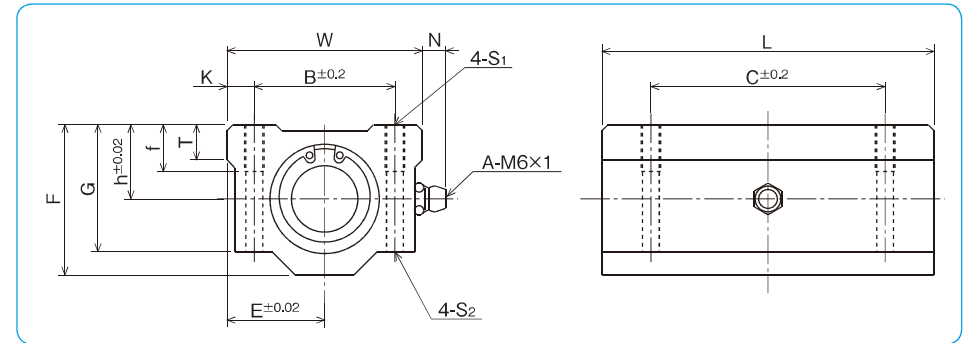
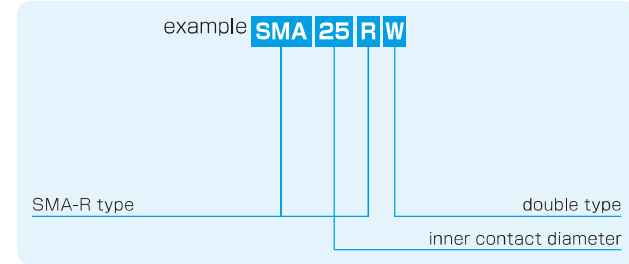
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# SMA-RW TYPE

—Double-Wide Block type—



## part number structure



| part number | inner contact diameter |                 | major dimensions |    |     |     |                     |      |    |     |      |         |        |                |    | basic load rating |       | allowable revolutions per minute | mass |       |   |     |       |
|-------------|------------------------|-----------------|------------------|----|-----|-----|---------------------|------|----|-----|------|---------|--------|----------------|----|-------------------|-------|----------------------------------|------|-------|---|-----|-------|
|             | mm                     | tolerance<br>μm | outer dimensions |    |     |     | mounting dimensions |      |    |     |      | dynamic | static |                |    | g                 |       |                                  |      |       |   |     |       |
|             |                        |                 | h                | E  | W   | L   | F                   | G    | T  | N   | B    | C       | K      | S <sub>1</sub> | f  | S <sub>2</sub>    | C     | Co                               | N    | Co    | N | rpm | g     |
| SMA 6RW     | 6                      | +4              | 9                | 15 | 30  | 48  | 18                  | 15   | 6  | 7   | 20   | 36      | 5      | M4             | 8  | 3.4               | 126   | 352                              | 300  | 68    |   |     | 68    |
| SMA 8RW     | 8                      | -5              | 11               | 17 | 34  | 58  | 22                  | 18   | 6  | 7   | 24   | 42      | 5      | M4             | 8  | 3.4               | 222   | 628                              | 300  | 113   |   |     | 113   |
| SMA 10RW    | 10                     | -5              | 13               | 20 | 40  | 68  | 26                  | 21   | 8  | 7   | 28   | 46      | 6      | M5             | 12 | 4.3               | 254   | 744                              | 300  | 188   |   |     | 188   |
| SMA 12RW    | 12                     | +3              | 15               | 21 | 42  | 70  | 28                  | 24   | 8  | 6.5 | 30.5 | 50      | 5.75   | M5             | 12 | 4.3               | 444   | 1,180                            | 300  | 210   |   |     | 210   |
| SMA 13RW    | 13                     | -6              | 15               | 22 | 44  | 75  | 30                  | 24.5 | 8  | 6.5 | 33   | 50      | 5.5    | M5             | 12 | 4.3               | 523   | 1,370                            | 300  | 254   |   |     | 254   |
| SMA 16RW    | 16                     | -6              | 19               | 25 | 50  | 85  | 38.5                | 32.5 | 9  | 6   | 36   | 60      | 7      | M5             | 12 | 4.3               | 731   | 1,760                            | 250  | 431   |   |     | 431   |
| SMA 20RW    | 20                     | +3              | 21               | 27 | 54  | 96  | 41                  | 35   | 11 | 7   | 40   | 70      | 7      | M6             | 12 | 5.2               | 1,050 | 2,360                            | 250  | 568   |   |     | 568   |
| SMA 25RW    | 25                     | -7              | 26               | 38 | 76  | 130 | 51.5                | 42   | 12 | 4   | 54   | 100     | 11     | M8             | 18 | 7                 | 1,430 | 3,720                            | 250  | 1,282 |   |     | 1,282 |
| SMA 30RW    | 30                     | -7              | 30               | 39 | 78  | 140 | 59.5                | 49   | 15 | 5   | 58   | 110     | 10     | M8             | 18 | 7                 | 1,910 | 5,300                            | 200  | 1,638 |   |     | 1,638 |
| SMA 40RW    | 40                     | +3/-8           | 40               | 51 | 102 | 175 | 78                  | 62   | 20 | 5   | 80   | 140     | 11     | M10            | 25 | 8.7               | 3,180 | 8,040                            | 200  | 3,419 |   |     | 3,419 |

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# AK-R TYPE

-Compact Block type-

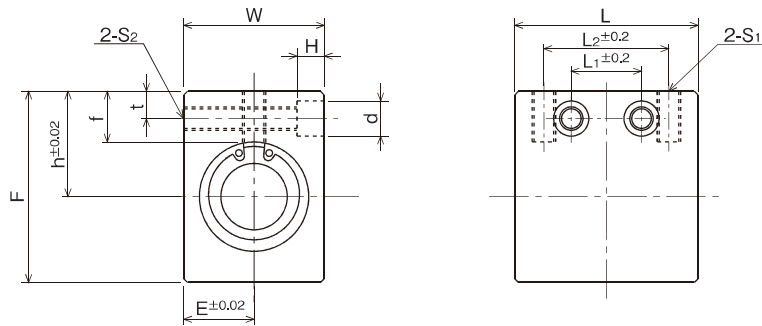


## part number structure

example **AK 25 R**

AK-R type

inner contact diameter



# AK-RW TYPE

-Double-Wide Compact Block type-



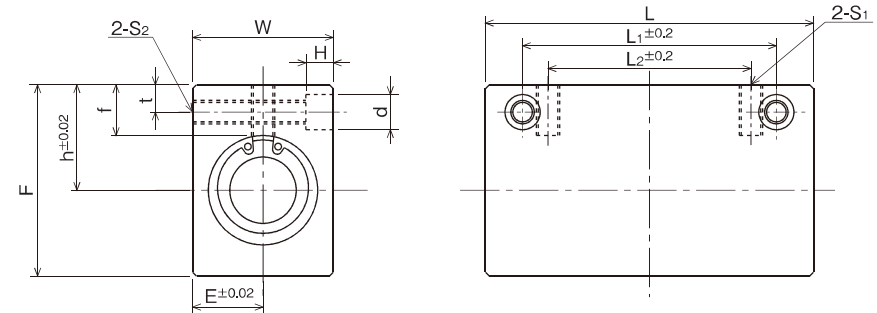
## part number structure

example **AK 25 R W**

AK-R type

double type

inner contact diameter



| part number | major dimensions       |              |                  |    |    |    |    |                     |                |      |                |   |                |         |        |       | basic load rating |     | allowable revolutions per minute | mass g |
|-------------|------------------------|--------------|------------------|----|----|----|----|---------------------|----------------|------|----------------|---|----------------|---------|--------|-------|-------------------|-----|----------------------------------|--------|
|             | inner contact diameter |              | outer dimensions |    |    |    |    | mounting dimensions |                |      |                |   |                | dynamic | static |       |                   |     |                                  |        |
|             | mm                     | tolerance μm | h                | E  | W  | L  | F  | L <sub>2</sub>      | S <sub>1</sub> | f    | L <sub>1</sub> | t | S <sub>2</sub> |         |        | d     | H                 | C   |                                  |        |
| AK 6R       | 6                      | +4           | 14               | 8  | 16 | 27 | 22 | 18                  | M4             | 8    | 9              | 5 | M4             | 6       | 5      | 78    | 176               | 300 | 27                               |        |
| AK 8R       | 8                      | -5           | 16               | 10 | 20 | 32 | 26 | 20                  | M5             | 8.5  | 10             | 5 | M4             | 6       | 5      | 137   | 314               | 300 | 48                               |        |
| AK10R       | 10                     | -5           | 19               | 13 | 26 | 39 | 32 | 27                  | M6             | 9.5  | 15             | 6 | M5             | 8       | 6      | 157   | 372               | 300 | 94                               |        |
| AK12R       | 12                     | +3           | 20               | 14 | 28 | 40 | 34 | 27                  | M6             | 9.5  | 15             | 6 | M5             | 8       | 6      | 274   | 588               | 300 | 105                              |        |
| AK13R       | 13                     | -6           | 25               | 15 | 30 | 42 | 43 | 28                  | M6             | 13.5 | 16             | 7 | M6             | 9       | 7      | 323   | 686               | 300 | 151                              |        |
| AK16R       | 16                     | -6           | 27               | 18 | 36 | 47 | 49 | 32                  | M6             | 13   | 18             | 7 | M6             | 9       | 7      | 451   | 882               | 250 | 238                              |        |
| AK20R       | 20                     | +3           | 31               | 21 | 42 | 52 | 54 | 36                  | M8             | 15   | 18             | 8 | M8             | 11      | 8      | 647   | 1,180             | 250 | 328                              |        |
| AK25R       | 25                     | -7           | 37               | 26 | 52 | 69 | 65 | 42                  | M10            | 17   | 22             | 9 | M10            | 14      | 10     | 882   | 1,860             | 250 | 669                              |        |
| AK30R       | 30                     | -7           | 40               | 29 | 58 | 74 | 71 | 44                  | M10            | 17.5 | 22             | 9 | M10            | 14      | 10     | 1,180 | 2,650             | 200 | 856                              |        |

1N≒0.102kgf

| part number | major dimensions       |              |                  |    |    |     |    |                     |                |      |                |   |                |         |        |       | basic load rating |     | allowable revolutions per minute | mass g |
|-------------|------------------------|--------------|------------------|----|----|-----|----|---------------------|----------------|------|----------------|---|----------------|---------|--------|-------|-------------------|-----|----------------------------------|--------|
|             | inner contact diameter |              | outer dimensions |    |    |     |    | mounting dimensions |                |      |                |   |                | dynamic | static |       |                   |     |                                  |        |
|             | mm                     | tolerance μm | h                | E  | W  | L   | F  | L <sub>2</sub>      | S <sub>1</sub> | f    | L <sub>1</sub> | t | S <sub>2</sub> |         |        | d     | H                 | C   |                                  |        |
| AK 6RW      | 6                      | +4           | 14               | 8  | 16 | 46  | 22 | 20                  | M4             | 8    | 30             | 5 | M4             | 6       | 5      | 126   | 352               | 300 | 48                               |        |
| AK 8RW      | 8                      | -5           | 16               | 10 | 20 | 56  | 26 | 30                  | M5             | 8.5  | 42             | 5 | M4             | 6       | 5      | 222   | 628               | 300 | 89                               |        |
| AK10RW      | 10                     | -5           | 19               | 13 | 26 | 68  | 32 | 36                  | M6             | 9.5  | 50             | 6 | M5             | 8       | 6      | 254   | 744               | 300 | 175                              |        |
| AK12RW      | 12                     | +3           | 20               | 14 | 28 | 70  | 34 | 36                  | M6             | 9.5  | 50             | 6 | M5             | 8       | 6      | 444   | 1,180             | 300 | 196                              |        |
| AK13RW      | 13                     | -6           | 25               | 15 | 30 | 74  | 43 | 42                  | M6             | 13.5 | 55             | 7 | M6             | 9       | 7      | 523   | 1,370             | 300 | 281                              |        |
| AK16RW      | 16                     | -6           | 27               | 18 | 36 | 84  | 49 | 52                  | M6             | 13   | 65             | 7 | M6             | 9       | 7      | 731   | 1,760             | 250 | 450                              |        |
| AK20RW      | 20                     | +3           | 31               | 21 | 42 | 94  | 54 | 58                  | M8             | 15   | 70             | 8 | M8             | 11      | 8      | 1,050 | 2,360             | 250 | 626                              |        |
| AK25RW      | 25                     | -7           | 37               | 26 | 52 | 128 | 65 | 80                  | M10            | 17   | 100            | 9 | M10            | 14      | 10     | 1,430 | 3,720             | 250 | 1,299                            |        |
| AK30RW      | 30                     | -7           | 40               | 29 | 58 | 138 | 71 | 90                  | M10            | 17.5 | 110            | 9 | M10            | 14      | 10     | 1,910 | 5,300             | 200 | 1,662                            |        |

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# SMP-R TYPE

—Pillow Block type—

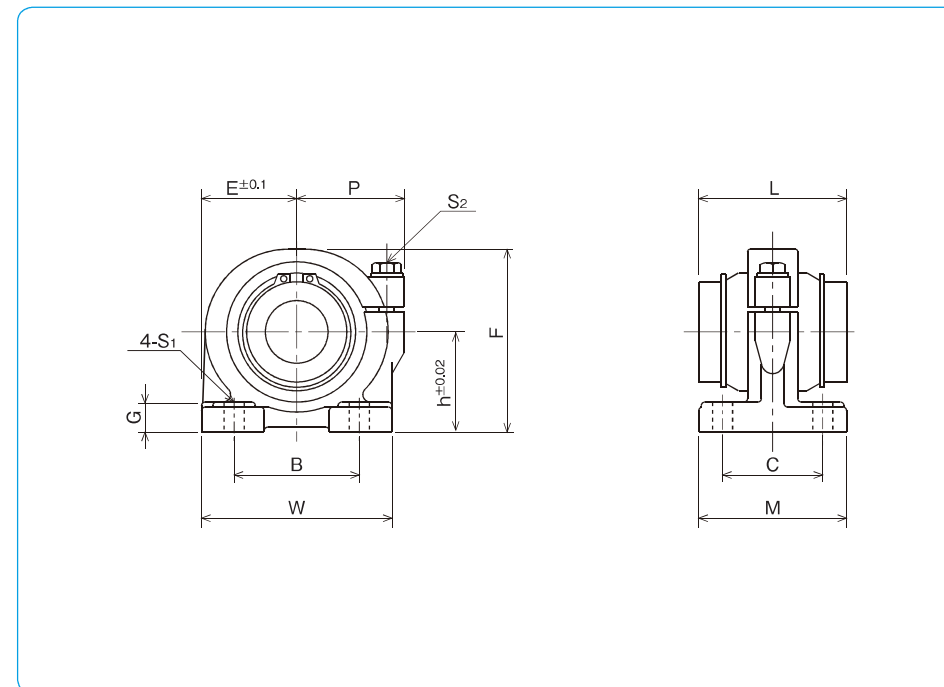


## part number structure

example **SMP 25 R**

SMP-R type

inner contact diameter



| part number   | inner contact diameter |                 | major dimensions |         |         |         |         |         |         |
|---------------|------------------------|-----------------|------------------|---------|---------|---------|---------|---------|---------|
|               | mm                     | tolerance<br>μm | outer dimensions |         |         |         |         |         |         |
|               |                        |                 | h<br>mm          | E<br>mm | W<br>mm | L<br>mm | F<br>mm | G<br>mm | M<br>mm |
| <b>SMP13R</b> | 13                     | +3              | 25               | 25      | 50      | 32      | 46      | 8       | 36      |
| <b>SMP16R</b> | 16                     | -6              | 29               | 27.5    | 55      | 37      | 53      | 10      | 40      |
| <b>SMP20R</b> | 20                     | +3<br>-7        | 34               | 32.5    | 65      | 42      | 62      | 12      | 48      |
| <b>SMP25R</b> | 25                     |                 | 40               | 38      | 76      | 59      | 73      | 12      | 59      |
| <b>SMP30R</b> | 30                     | +3/-8           | 45               | 42.5    | 85      | 64      | 84      | 15      | 69      |
| <b>SMP40R</b> | 40                     |                 | 60               | 62      | 124     | 80      | 112     | 18      | 86      |

| P<br>mm | mounting dimensions |         |          | adjustment<br>screw size<br>S2 | basic load rating |                   | allowable<br>revolutions<br>per minute<br>rpm | mass<br>g | part number   |
|---------|---------------------|---------|----------|--------------------------------|-------------------|-------------------|---|-----------|---------------|
|         | B<br>mm             | C<br>mm | S1<br>mm |                                | dynamic<br>C<br>N | static<br>Co<br>N |   |           |               |
| 30      | 30                  | 26      | 7 (M5)   | M5                             | 323               | 686               | 300   | 266       | <b>SMP13R</b> |
| 32      | 35                  | 29      | 7 (M5)   | M5                             | 451               | 882               | 250   | 369       | <b>SMP16R</b> |
| 37      | 40                  | 35      | 8 (M6)   | M6                             | 647               | 1,180             | 250   | 690       | <b>SMP20R</b> |
| 43      | 50                  | 40      | 8 (M6)   | M6                             | 882               | 1,860             | 250   | 970       | <b>SMP25R</b> |
| 49      | 58                  | 46      | 10 (M8)  | M8                             | 1,180             | 2,650             | 200   | 1,420     | <b>SMP30R</b> |
| 68      | 76                  | 64      | 12 (M10) | M10                            | 1,960             | 4,020             | 200   | 3,585     | <b>SMP40R</b> |

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