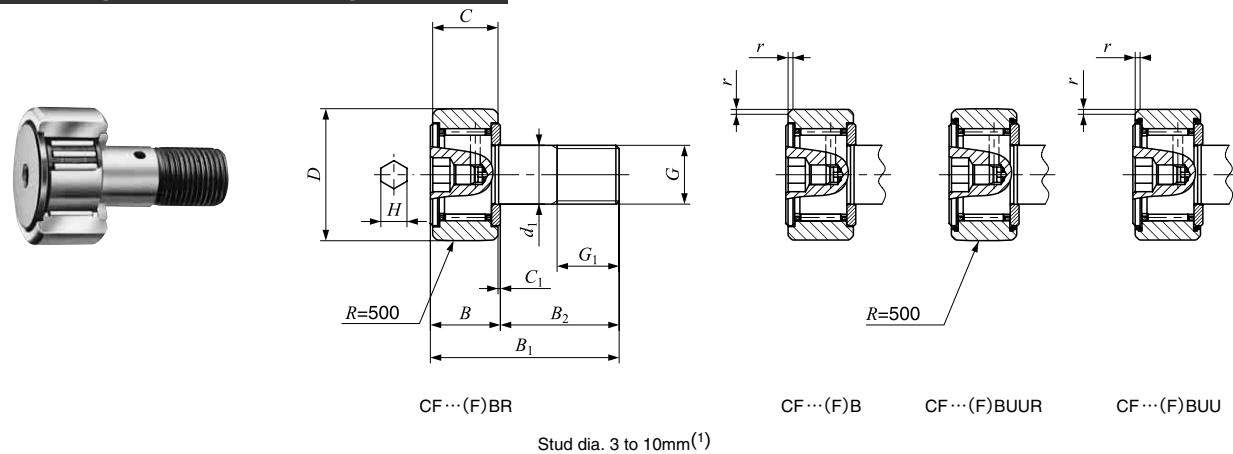


# IKO Standard type Cam Followers CF...B

## IKO Standard type Cam Followers / Stainless Steel Made CF...FB

With Cage / With Hexagon hole



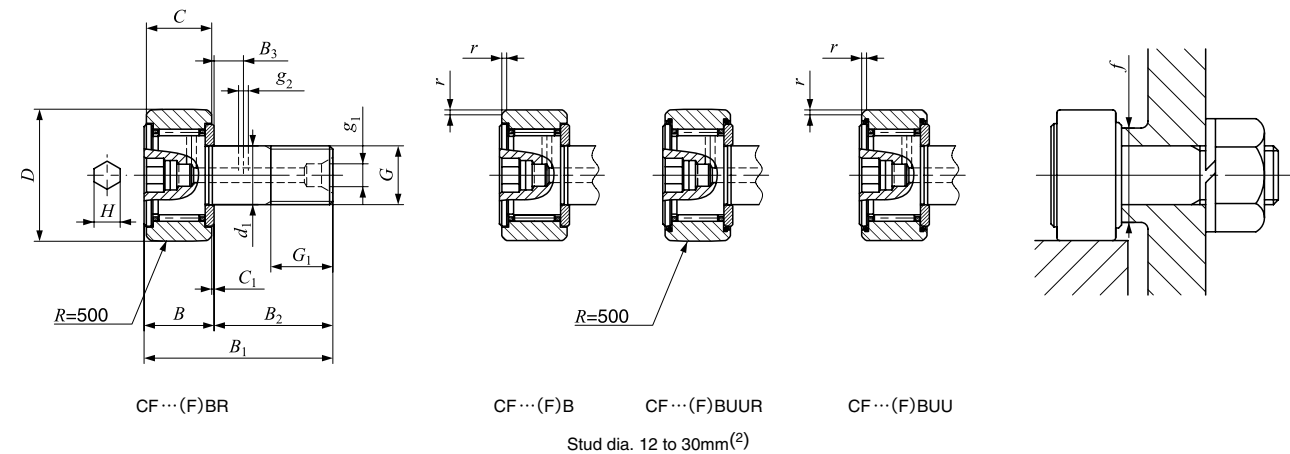
| Stud dia.<br><br>mm | Identification number |                        |                    |                        | Mass<br>(Ref.)<br><br>g |          |          |                       |          |                       |
|---------------------|-----------------------|------------------------|--------------------|------------------------|-------------------------|----------|----------|-----------------------|----------|-----------------------|
|                     | Shield type           |                        | Sealed type        |                        |                         | <i>D</i> | <i>C</i> | <i>d</i> <sub>1</sub> | <i>G</i> | <i>G</i> <sub>1</sub> |
|                     | Crowned outer ring    | Cylindrical outer ring | Crowned outer ring | Cylindrical outer ring |                         |          |          |                       |          |                       |
| 3                   | CF 3 BR               | CF 3 B                 | CF 3 BUUR          | CF 3 BUU               | 4.3                     | 10       | 7        | 3                     | M 3×0.5  | 5                     |
|                     | CF 3 FBR              | CF 3 FB                | CF 3 FBUUR         | CF 3 FBUU              | 4.3                     | 10       | 7        | 3                     | M 3×0.5  | 5                     |
| 4                   | CF 4 BR               | CF 4 B                 | CF 4 BUUR          | CF 4 BUU               | 7.4                     | 12       | 8        | 4                     | M 4×0.7  | 6                     |
|                     | CF 4 FBR              | CF 4 FB                | CF 4 FBUUR         | CF 4 FBUU              | 7.4                     | 12       | 8        | 4                     | M 4×0.7  | 6                     |
| 5                   | CF 5 BR               | CF 5 B                 | CF 5 BUUR          | CF 5 BUU               | 10.3                    | 13       | 9        | 5                     | M 5×0.8  | 7.5                   |
|                     | CF 5 FBR              | CF 5 FB                | CF 5 FBUUR         | CF 5 FBUU              | 10.3                    | 13       | 9        | 5                     | M 5×0.8  | 7.5                   |
| 6                   | CF 6 BR               | CF 6 B                 | CF 6 BUUR          | CF 6 BUU               | 18.5                    | 16       | 11       | 6                     | M 6×1    | 8                     |
|                     | CF 6 FBR              | —                      | CF 6 FBUUR         | —                      | 18.5                    | 16       | 11       | 6                     | M 6×1    | 8                     |
| 8                   | CF 8 BR               | CF 8 B                 | CF 8 BUUR          | CF 8 BUU               | 28.5                    | 19       | 11       | 8                     | M 8×1.25 | 10                    |
|                     | CF 8 FBR              | —                      | CF 8 FBUUR         | —                      | 28.5                    | 19       | 11       | 8                     | M 8×1.25 | 10                    |
| 10                  | CF 10 BR              | CF 10 B                | CF 10 BUUR         | CF 10 BUU              | 45                      | 22       | 12       | 10                    | M10×1.25 | 12                    |
|                     | CF 10 FBR             | —                      | CF 10 FBUUR        | —                      | 45                      | 22       | 12       | 10                    | M10×1.25 | 12                    |
|                     | CF 10-1 BR            | CF 10-1 B              | CF 10-1 BUUR       | CF 10-1 BUU            | 60                      | 26       | 12       | 10                    | M10×1.25 | 12                    |
| 12                  | CF 12 BR              | CF 12 B                | CF 12 BUUR         | CF 12 BUU              | 95                      | 30       | 14       | 12                    | M12×1.5  | 13                    |
|                     | CF 12 FBR             | —                      | CF 12 FBUUR        | —                      | 95                      | 30       | 14       | 12                    | M12×1.5  | 13                    |
|                     | CF 12-1 BR            | CF 12-1 B              | CF 12-1 BUUR       | CF 12-1 BUU            | 105                     | 32       | 14       | 12                    | M12×1.5  | 13                    |
| 16                  | CF 16 BR              | CF 16 B                | CF 16 BUUR         | CF 16 BUU              | 170                     | 35       | 18       | 16                    | M16×1.5  | 17                    |
|                     | CF 16 FBR             | —                      | CF 16 FBUUR        | —                      | 170                     | 35       | 18       | 16                    | M16×1.5  | 17                    |
| 18                  | CF 18 BR              | CF 18 B                | CF 18 BUUR         | CF 18 BUU              | 250                     | 40       | 20       | 18                    | M18×1.5  | 19                    |
|                     | CF 18 FBR             | —                      | CF 18 FBUUR        | —                      | 250                     | 40       | 20       | 18                    | M18×1.5  | 19                    |
| 20                  | CF 20 BR              | CF 20 B                | CF 20 BUUR         | CF 20 BUU              | 460                     | 52       | 24       | 20                    | M20×1.5  | 21                    |
|                     | CF 20 FBR             | —                      | CF 20 FBUUR        | —                      | 460                     | 52       | 24       | 20                    | M20×1.5  | 21                    |
|                     | CF 20-1 BR            | CF 20-1 B              | CF 20-1 BUUR       | CF 20-1 BUU            | 385                     | 47       | 24       | 20                    | M20×1.5  | 21                    |
| 24                  | CF 24 BR              | CF 24 B                | CF 24 BUUR         | CF 24 BUU              | 815                     | 62       | 29       | 24                    | M24×1.5  | 25                    |
|                     | CF 24-1 BR            | CF 24-1 B              | CF 24-1 BUUR       | CF 24-1 BUU            | 1 140                   | 72       | 29       | 24                    | M24×1.5  | 25                    |
| 30                  | CF 30 BR              | CF 30 B                | CF 30 BUUR         | CF 30 BUU              | 1 870                   | 80       | 35       | 30                    | M30×1.5  | 32                    |
|                     | CF 30-1 BR            | CF 30-1 B              | CF 30-1 BUUR       | CF 30-1 BUU            | 2 030                   | 85       | 35       | 30                    | M30×1.5  | 32                    |
|                     | CF 30-2 BR            | CF 30-2 B              | CF 30-2 BUUR       | CF 30-2 BUU            | 2 220                   | 90       | 35       | 30                    | M30×1.5  | 32                    |

Note<sup>(1)</sup> The Cam Followers having a stud of 4mm or less in diameter (= d<sub>1</sub>) do not have an oil hole. The Cam Followers having a stud of between 5mm and 10mm in diameter (= d<sub>1</sub>) have an oil hole (lubrication plug) in the head.

<sup>(2)</sup> An oil hole(grease nipple) is prepared in the stud head and oil holes are also prepared at stud-end and outer surface of stud.

<sup>(3)</sup> Minimum allowable value of chamfer "r".

Remark For the shield type Cam Followers having a stud of 10mm or less in diameter (= d<sub>1</sub>) and the sealed types, grease is pre-packed. For other types, grease is not pre-packed, therefore, lubricate them as required.



| Boundary dimensions mm |                |                |                |                |                |                |     |                                     | Mounting dimension<br>f<br>Min.<br>mm | Maximum<br>tightening<br>torque<br>N · m | Basic dynamic<br>load rating<br>C<br>N | Basic static<br>load rating<br>C <sub>0</sub><br>N | Maximum<br>allowable load<br>N |
|------------------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|-------------------------------------|---------------------------------------|------------------------------------------|----------------------------------------|----------------------------------------------------|--------------------------------|
| B                      | B <sub>1</sub> | B <sub>2</sub> | B <sub>3</sub> | C <sub>1</sub> | g <sub>1</sub> | g <sub>2</sub> | H   | <sup>(3)</sup><br>r <sub>smin</sub> |                                       |                                          |                                        |                                                    |                                |
| 8                      | 17             | 9              | —              | 0.5            | —              | —              | 2   | 0.2                                 | 6.8                                   | 0.34                                     | 1 500                                  | 1 020                                              | 384                            |
| 8                      | 17             | 9              | —              | 0.5            | —              | —              | 2   | 0.2                                 | 6.8                                   | 0.34                                     | 1 200                                  | 813                                                | 384                            |
| 9                      | 20             | 11             | —              | 0.5            | —              | —              | 2.5 | 0.3                                 | 8.3                                   | 0.78                                     | 2 070                                  | 1 590                                              | 834                            |
| 9                      | 20             | 11             | —              | 0.5            | —              | —              | 2.5 | 0.3                                 | 8.3                                   | 0.78                                     | 1 650                                  | 1 270                                              | 834                            |
| 10                     | 23             | 13             | —              | 0.5            | —              | —              | 3   | 0.3                                 | 9.3                                   | 1.6                                      | 2 520                                  | 2 140                                              | 1 260                          |
| 10                     | 23             | 13             | —              | 0.5            | —              | —              | 3   | 0.3                                 | 9.3                                   | 1.6                                      | 1 930                                  | 1 730                                              | 1 260                          |
| 12.2max                | 28.2max        | 16             | —              | 0.6            | —              | —              | 3   | 0.3                                 | 11                                    | 2.7                                      | 3 660                                  | 3 650                                              | 1 950                          |
| 12.2max                | 28.2max        | 16             | —              | 0.6            | —              | —              | 3   | —                                   | 11                                    | 2.7                                      | 2 930                                  | 2 920                                              | 1 950                          |
| 12.2max                | 32.2max        | 20             | —              | 0.6            | —              | —              | 4   | 0.3                                 | 13                                    | 6.5                                      | 4 250                                  | 4 740                                              | 4 620                          |
| 12.2max                | 32.2max        | 20             | —              | 0.6            | —              | —              | 4   | —                                   | 13                                    | 6.5                                      | 3 400                                  | 3 790                                              | 3 790                          |
| 13.2max                | 36.2max        | 23             | —              | 0.6            | —              | —              | 4   | 0.3                                 | 16                                    | 13.8                                     | 5 430                                  | 6 890                                              | 6 890                          |
| 13.2max                | 36.2max        | 23             | —              | 0.6            | —              | —              | 5   | —                                   | 16                                    | 13.8                                     | 4 340                                  | 5 510                                              | 5 510                          |
| 13.2max                | 36.2max        | 23             | —              | 0.6            | —              | —              | 4   | 0.3                                 | 16                                    | 13.8                                     | 5 430                                  | 6 890                                              | 6 890                          |
| 15.2max                | 40.2max        | 25             | 6              | 0.6            | 4              | 3              | 6   | 0.6                                 | 21                                    | 21.9                                     | 7 910                                  | 9 790                                              | 9 790                          |
| 15.2max                | 40.2max        | 25             | 6              | 0.6            | 4              | 3              | 6   | —                                   | 21                                    | 21.9                                     | 6 330                                  | 7 830                                              | 7 830                          |
| 15.2max                | 40.2max        | 25             | 6              | 0.6            | 4              | 3              | 6   | 0.6                                 | 21                                    | 21.9                                     | 7 910                                  | 9 790                                              | 9 790                          |
| 19.6max                | 52.1max        | 32.5           | 8              | 0.8            | 4              | 3              | 6   | 0.6                                 | 26                                    | 58.5                                     | 12 000                                 | 18 300                                             | 18 300                         |
| 19.6max                | 52.1max        | 32.5           | 8              | 0.8            | 4              | 3              | 6   | —                                   | 26                                    | 58.5                                     | 9 620                                  | 14 700                                             | 14 700                         |
| 21.6max                | 58.1max        | 36.5           | 8              | 0.8            | 6              | 3              | 8   | 1                                   | 29                                    | 86.2                                     | 14 800                                 | 25 200                                             | 25 200                         |
| 21.6max                | 58.1max        | 36.5           | 8              | 0.8            | 6              | 3              | 8   | —                                   | 29                                    | 86.2                                     | 11 800                                 | 20 200                                             | 20 200                         |
| 25.6max                | 66.1max        | 40.5           | 9              | 0.8            | 6              | 4              | 8   | 1                                   | 34                                    | 119                                      | 20 700                                 | 34 600                                             | 34 600                         |
| 25.6max                | 66.1max        | 40.5           | 9              | 0.8            | 6              | 4              | 8   | —                                   | 34                                    | 119                                      | 16 500                                 | 27 700                                             | 27 700                         |
| 25.6max                | 66.1max        | 40.5           | 9              | 0.8            | 6              | 4              | 8   | 1                                   | 34                                    | 119                                      | 20 700                                 | 34 600                                             | 34 600                         |
| 30.6max                | 80.1max        | 49.5           | 11             | 0.8            | 6              | 4              | 12  | 1                                   | 40                                    | 215                                      | 30 500                                 | 52 600                                             | 52 000                         |
| 30.6max                | 80.1max        | 49.5           | 11             | 0.8            | 6              | 4              | 12  | 1                                   | 40                                    | 215                                      | 30 500                                 | 52 600                                             | 52 000                         |
| 37 max                 | 100 max        | 63             | 15             | 1              | 6              | 4              | 17  | 1                                   | 49                                    | 438                                      | 45 400                                 | 85 100                                             | 85 100                         |
| 37 max                 | 100 max        | 63             | 15             | 1              | 6              | 4              | 17  | 1                                   | 49                                    | 438                                      | 45 400                                 | 85 100                                             | 85 100                         |
| 37 max                 | 100 max        | 63             | 15             | 1              | 6              | 4              | 17  | 1                                   | 49                                    | 438                                      | 45 400                                 | 85 100                                             | 85 100                         |

1N=0.102kgf=0.2248lbs.  
1mm=0.03937inch