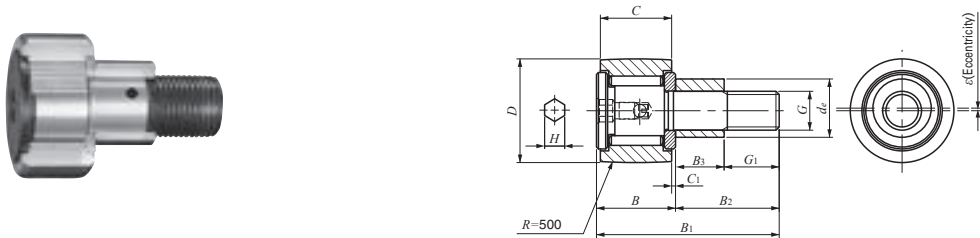


CAM FOLLOWERS

Eccentric Type Cam Followers CFE...B Full Complement Type/Stud Head Hex Hole



Outside diameter of eccentric collar 9—41mm

CFE...VBR  
Outside diameter of eccentric collar  $d_e$  9-13mm

| Outside diameter of eccentric collar mm | Identification number   |                             |                         |                             | Mass (Ref.)<br><br><sup>(2)</sup><br>g |          |          |                      |
|-----------------------------------------|-------------------------|-----------------------------|-------------------------|-----------------------------|----------------------------------------|----------|----------|----------------------|
|                                         | Shield type             |                             | Sealed type             |                             |                                        | <i>D</i> | <i>C</i> | <i>d<sub>e</sub></i> |
|                                         | With crowned outer ring | With cylindrical outer ring | With crowned outer ring | With cylindrical outer ring |                                        |          |          |                      |
| 9                                       | CFE 6 VBR               | CFE 6 VB                    | CFE 6 VBUUR             | CFE 6 VBUU                  | 21                                     | 16       | 11       | 9                    |
| 11                                      | CFE 8 VBR               | CFE 8 VB                    | CFE 8 VBUUR             | CFE 8 VBUU                  | 32.5                                   | 19       | 11       | 11                   |
| 13                                      | CFE 10 VBR              | CFE 10 VB                   | CFE 10 VBUUR            | CFE 10 VBUU                 | 50.5                                   | 22       | 12       | 13                   |
|                                         | CFE 10-1 VBR            | CFE 10-1 VB                 | CFE 10-1 VBUUR          | CFE 10-1 VBUU               | 66                                     | 26       | 12       | 13                   |
| 16                                      | CFE 12 VBR              | CFE 12 VB                   | CFE 12 VBUUR            | CFE 12 VBUU                 | 107                                    | 30       | 14       | 16                   |
|                                         | CFE 12-1 VBR            | CFE 12-1 VB                 | CFE 12-1 VBUUR          | CFE 12-1 VBUU               | 117                                    | 32       | 14       | 16                   |
| 22                                      | CFE 16 VBR              | CFE 16 VB                   | CFE 16 VBUUR            | CFE 16 VBUU                 | 193                                    | 35       | 18       | 22                   |
| 24                                      | CFE 18 VBR              | CFE 18 VB                   | CFE 18 VBUUR            | CFE 18 VBUU                 | 285                                    | 40       | 20       | 24                   |
| 27                                      | CFE 20 VBR              | CFE 20 VB                   | CFE 20 VBUUR            | CFE 20 VBUU                 | 505                                    | 52       | 24       | 27                   |
|                                         | CFE 20-1 VBR            | CFE 20-1 VB                 | CFE 20-1 VBUUR          | CFE 20-1 VBUU               | 430                                    | 47       | 24       | 27                   |
| 33                                      | CFE 24 VBR              | CFE 24 VB                   | CFE 24 VBUUR            | CFE 24 VBUU                 | 900                                    | 62       | 29       | 33                   |
|                                         | CFE 24-1 VBR            | CFE 24-1 VB                 | CFE 24-1 VBUUR          | CFE 24-1 VBUU               | 1 220                                  | 72       | 29       | 33                   |
| 41                                      | CFE 30 VBR              | CFE 30 VB                   | CFE 30 VBUUR            | CFE 30 VBUU                 | 2 030                                  | 80       | 35       | 41                   |
|                                         | CFE 30-1 VBR            | CFE 30-1 VB                 | CFE 30-1 VBUUR          | CFE 30-1 VBUU               | 2 190                                  | 85       | 35       | 41                   |
|                                         | CFE 30-2 VBR            | CFE 30-2 VB                 | CFE 30-2 VBUUR          | CFE 30-2 VBUU               | 2 380                                  | 90       | 35       | 41                   |

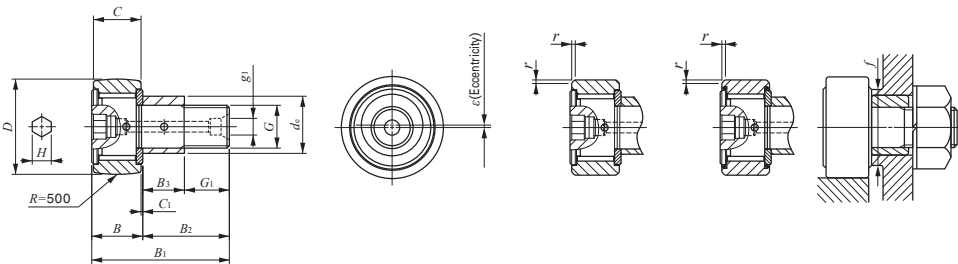
Note<sup>(1)</sup> For dimensions other than the chamfer dimension ( $r$ ) and the shape of the outside surface of the outer ring outside surface, refer to the CFE...VBR drawing.

<sup>(2)</sup> This is the value for the product body only. The values for the accessories shown in Table 13 on page I14 are not included.

<sup>(3)</sup> Minimum allowable value of chamfer dimension  $r$

Remarks1. Models with a thread diameter  $G$  of 10 mm or less have an oil hole (re-greasing fitting) at the head. Other models are provided with an oil hole (grease nipple) at the head and an oil hole on the end surface of the stud.

2. Provided with prepacked grease.



CFE...VBR<sup>(1)</sup>  
Outside diameter of eccentric collar  $d_e$  16-41mm

CFE...VB<sup>(1)</sup> CFE...VBUU<sup>(1)</sup>

| Boundary dimensions   mm |       |            |             |       |       |       |       |     |                   |               | Eccentricity<br>$\varepsilon$ | Mounting<br>dimension<br>$f$<br>Min.<br>mm | Maximum<br>tightening<br>torque<br><br>N·m | Basic dynamic<br>load rating<br><br>$C$<br><br>N | Basic static<br>load rating<br><br>$C_0$<br><br>N | Maximum<br>allowable<br>static load<br><br>N |
|--------------------------|-------|------------|-------------|-------|-------|-------|-------|-----|-------------------|---------------|-------------------------------|--------------------------------------------|--------------------------------------------|--------------------------------------------------|---------------------------------------------------|----------------------------------------------|
| $G$                      | $B_3$ | $B_{\max}$ | $B_{1\max}$ | $B_2$ | $C_1$ | $g_1$ | $G_1$ | $H$ | $r_{s\min}^{(3)}$ | $\varepsilon$ |                               |                                            |                                            |                                                  |                                                   |                                              |
| M 6×1                    | 7.5   | 12.2       | 28.2        | 16    | 0.6   | —     | 8.5   | 3   | 0.3               | 0.4           | 11                            | 2.7                                        | 6 980                                      | 8 500                                            | 1 950                                             |                                              |
| M 8×1.25                 | 9.5   | 12.2       | 32.2        | 20    | 0.6   | —     | 10.5  | 4   | 0.3               | 0.4           | 13                            | 6.5                                        | 8 170                                      | 11 200                                           | 4 620                                             |                                              |
| M10×1.25                 | 10.5  | 13.2       | 36.2        | 23    | 0.6   | —     | 12.5  | 4   | 0.3               | 0.4           | 16                            | 13.8                                       | 9 570                                      | 14 500                                           | 8 650                                             |                                              |
| M10×1.25                 | 10.5  | 13.2       | 36.2        | 23    | 0.6   | —     | 12.5  | 4   | 0.3               | 0.4           | 16                            | 13.8                                       | 9 570                                      | 14 500                                           | 8 650                                             |                                              |
| M12×1.5                  | 11.5  | 15.2       | 40.2        | 25    | 0.6   | 4     | 13.5  | 6   | 0.6               | 0.8           | 21                            | 21.9                                       | 13 500                                     | 19 700                                           | 13 200                                            |                                              |
| M12×1.5                  | 11.5  | 15.2       | 40.2        | 25    | 0.6   | 4     | 13.5  | 6   | 0.6               | 0.8           | 21                            | 21.9                                       | 13 500                                     | 19 700                                           | 13 200                                            |                                              |
| M16×1.5                  | 15.5  | 19.6       | 52.1        | 32.5  | 0.8   | 4     | 17    | 6   | 0.6               | 0.8           | 26                            | 58.5                                       | 20 700                                     | 37 600                                           | 23 200                                            |                                              |
| M18×1.5                  | 17.5  | 21.6       | 58.1        | 36.5  | 0.8   | 6     | 19    | 8   | 1                 | 0.8           | 29                            | 86.2                                       | 25 300                                     | 51 300                                           | 31 100                                            |                                              |
| M20×1.5                  | 19.5  | 25.6       | 66.1        | 40.5  | 0.8   | 6     | 21    | 8   | 1                 | 0.8           | 34                            | 119                                        | 33 200                                     | 64 500                                           | 37 500                                            |                                              |
| M20×1.5                  | 19.5  | 25.6       | 66.1        | 40.5  | 0.8   | 6     | 21    | 8   | 1                 | 0.8           | 34                            | 119                                        | 33 200                                     | 64 500                                           | 37 500                                            |                                              |
| M24×1.5                  | 25.5  | 30.6       | 80.1        | 49.5  | 0.8   | 6     | 24    | 12  | 1                 | 0.8           | 40                            | 215                                        | 46 600                                     | 92 000                                           | 52 000                                            |                                              |
| M24×1.5                  | 25.5  | 30.6       | 80.1        | 49.5  | 0.8   | 6     | 24    | 12  | 1                 | 0.8           | 40                            | 215                                        | 46 600                                     | 92 000                                           | 52 000                                            |                                              |
| M30×1.5                  | 32.5  | 37         | 100         | 63    | 1     | 6     | 30.5  | 17  | 1                 | 1.5           | 49                            | 438                                        | 67 700                                     | 144 000                                          | 85 900                                            |                                              |
| M30×1.5                  | 32.5  | 37         | 100         | 63    | 1     | 6     | 30.5  | 17  | 1                 | 1.5           | 49                            | 438                                        | 67 700                                     | 144 000                                          | 85 900                                            |                                              |
| M30×1.5                  | 32.5  | 37         | 100         | 63    | 1     | 6     | 30.5  | 17  | 1                 | 1.5           | 49                            | 438                                        | 67 700                                     | 144 000                                          | 85 900                                            |                                              |

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