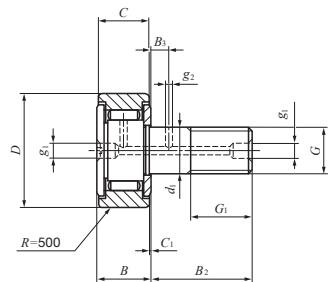


CAM FOLLOWERS

Inch Series Cam Followers Full Complement Type/With Screwdriver Slot



CR ... VR

Stud dia. 4.826 – 31.750mm

| Stud<br>dia.<br>mm<br>(inch) | Identification number      |                                |                            |                                | Mass<br>(Ref.)   |                 |                 |                 |                  |                 |
|------------------------------|----------------------------|--------------------------------|----------------------------|--------------------------------|------------------|-----------------|-----------------|-----------------|------------------|-----------------|
|                              | Shield type                |                                | Sealed type                |                                | g <sup>(2)</sup> | D               | C               | d <sub>1</sub>  | G <sub>UNF</sub> | G <sub>1</sub>  |
|                              | With crowned<br>outer ring | With cylindrical<br>outer ring | With crowned<br>outer ring | With cylindrical<br>outer ring |                  |                 |                 |                 |                  |                 |
| 4.826                        | CR 8 VR                    | CR 8 V                         | CR 8 VUUR                  | CR 8 VUU                       | 9                | 12.700( 1/2 )   | 8.731( 11/32 )  | 4.826           | No.10-32         | 6.350( 1/4 )    |
|                              | CR 8-1 VR                  | CR 8-1 V                       | CR 8-1 VUUR                | CR 8-1 VUU                     | 10               | 12.700( 1/2 )   | 9.525( 3/8 )    | 4.826           | No.10-32         | 6.350( 1/4 )    |
| 6.350<br>( 1/4 )             | CR 10 VR                   | CR 10 V                        | CR 10 VUUR                 | CR 10 VUU                      | 19               | 15.875( 5/8 )   | 10.319( 13/32 ) | 6.350( 1/4 )    | 1/4 - 28         | 7.938( 5/16 )   |
|                              | CR 10-1 VR                 | CR 10-1 V                      | CR 10-1 VUUR               | CR 10-1 VUU                    | 21               | 15.875( 5/8 )   | 11.112( 7/16 )  | 6.350( 1/4 )    | 1/4 - 28         | 7.938( 5/16 )   |
| 9.525<br>( 3/8 )             | CR 12 VR                   | CR 12 V                        | CR 12 VUUR                 | CR 12 VUU                      | 36               | 19.050( 3/4 )   | 12.700( 1/2 )   | 9.525( 3/8 )    | 3/8 - 24         | 9.525( 3/8 )    |
|                              | CR 14 VR                   | CR 14 V                        | CR 14 VUUR                 | CR 14 VUU                      | 47               | 22.225( 7/8 )   | 12.700( 1/2 )   | 9.525( 3/8 )    | 3/8 - 24         | 9.525( 3/8 )    |
| 11.112<br>( 7/16 )           | CR 16 VR                   | CR 16 V                        | CR 16 VUUR                 | CR 16 VUU                      | 74               | 25.400( 1 )     | 15.875( 5/8 )   | 11.112( 7/16 )  | 7/16 - 20        | 12.700( 1/2 )   |
|                              | CR 18 VR                   | CR 18 V                        | CR 18 VUUR                 | CR 18 VUU                      | 101              | 28.575( 1 1/8 ) | 15.875( 5/8 )   | 11.112( 7/16 )  | 7/16 - 20        | 12.700( 1/2 )   |
| 12.700<br>( 1/2 )            | CR 20 VR                   | CR 20 V                        | CR 20 VUUR                 | CR 20 VUU                      | 137              | 31.750( 1 1/4 ) | 19.050( 3/4 )   | 12.700( 1/2 )   | 1/2 - 20         | 15.875( 5/8 )   |
|                              | CR 22 VR                   | CR 22 V                        | CR 22 VUUR                 | CR 22 VUU                      | 160              | 34.925( 1 3/8 ) | 19.050( 3/4 )   | 12.700( 1/2 )   | 1/2 - 20         | 15.875( 5/8 )   |
| 15.875<br>( 5/8 )            | CR 24 VR                   | CR 24 V                        | CR 24 VUUR                 | CR 24 VUU                      | 230              | 38.100( 1 1/2 ) | 22.225( 7/8 )   | 15.875( 5/8 )   | 5/8 - 18         | 19.050( 3/4 )   |
|                              | CR 26 VR                   | CR 26 V                        | CR 26 VUUR                 | CR 26 VUU                      | 265              | 41.275( 1 5/8 ) | 22.225( 7/8 )   | 15.875( 5/8 )   | 5/8 - 18         | 19.050( 3/4 )   |
| 19.050<br>( 3/4 )            | CR 28 VR                   | CR 28 V                        | CR 28 VUUR                 | CR 28 VUU                      | 372              | 44.450( 1 3/4 ) | 25.400( 1 )     | 19.050( 3/4 )   | 3/4 - 16         | 22.225( 7/8 )   |
|                              | CR 30 VR                   | CR 30 V                        | CR 30 VUUR                 | CR 30 VUU                      | 418              | 47.625( 1 7/8 ) | 25.400( 1 )     | 19.050( 3/4 )   | 3/4 - 16         | 22.225( 7/8 )   |
| 22.225<br>( 7/8 )            | CR 32 VR                   | CR 32 V                        | CR 32 VUUR                 | CR 32 VUU                      | 627              | 50.800( 2 )     | 31.750( 1 1/4 ) | 22.225( 7/8 )   | 7/8 - 14         | 25.400( 1 )     |
|                              | CR 36 VR                   | CR 36 V                        | CR 36 VUUR                 | CR 36 VUU                      | 759              | 57.150( 2 1/4 ) | 31.750( 1 1/4 ) | 22.225( 7/8 )   | 7/8 - 14         | 25.400( 1 )     |
| 31.750<br>( 1 1/4 )          | —                          | —                              | —                          | CR 48 VUU                      | 1 960            | 76.200( 3 )     | 44.450( 1 3/4 ) | 31.750( 1 1/4 ) | 1 1/4 - 12       | 31.750( 1 1/4 ) |

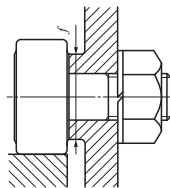
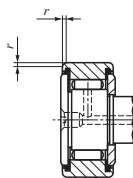
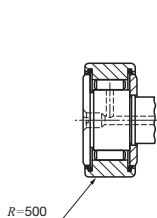
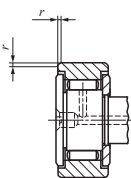
Note<sup>(1)</sup> For dimensions other than the chamfer dimension (r) and the shape of the outside surface of the outer ring outside surface, refer to the CR...VR drawing.

<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.

Remarks1. Models with a stud diameter d<sub>1</sub> of 6.35 mm or less (marked \*) are provided with an oil hole on the stud head only. Other models are provided with one oil hole each on the head, outside surface and end surface of the stud.

2. Provided with prepacked grease.

3. For the maximum allowable static load, please contact IKO.



CR ... V<sup>(1)</sup>

CR ... VUUR<sup>(1)</sup>

CR ... VUU<sup>(1)</sup>

| Boundary dimensions mm(inch) |                  |                 |                |                |                |                | Mounting dimension<br>f<br>Min.<br>mm(inch) | 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 |
|------------------------------|------------------|-----------------|----------------|----------------|----------------|----------------|---------------------------------------------|----------------------------------------|----------------------------------------|----------------------------------------------------|
| B<br>max                     | B <sub>2</sub>   | B <sub>3</sub>  | C <sub>1</sub> | g <sub>1</sub> | g <sub>2</sub> | r              |                                             |                                        |                                        |                                                    |
| 10.2 (0.40)                  | 12.700 ( 1/2 )   | — ( — )         | 0.794 ( 1/32 ) | *3.175 ( 1/8 ) | — ( — )        | 0.397 ( 1/64 ) | 8.334 ( 21/64 )                             | 1.4                                    | 4 260                                  | 4 750                                              |
| 10.9 (0.43)                  | 15.875 ( 5/8 )   | — ( — )         | 0.794 ( 1/32 ) | *3.175 ( 1/8 ) | — ( — )        | 0.397 ( 1/64 ) | 8.334 ( 21/64 )                             | 1.4                                    | 4 710                                  | 5 410                                              |
| 11.8 (0.46)                  | 15.875 ( 5/8 )   | — ( — )         | 0.794 ( 1/32 ) | *3.175 ( 1/8 ) | — ( — )        | 0.397 ( 1/64 ) | 11.509 ( 29/64 )                            | 3.4                                    | 5 830                                  | 7 660                                              |
| 12.5 (0.49)                  | 19.050 ( 3/4 )   | — ( — )         | 0.794 ( 1/32 ) | *3.175 ( 1/8 ) | — ( — )        | 0.397 ( 1/64 ) | 11.509 ( 29/64 )                            | 3.4                                    | 6 340                                  | 8 530                                              |
| 14.2 (0.56)                  | 22.225 ( 7/8 )   | 6.350 ( 1/4 )   | 0.794 ( 1/32 ) | 4.762 ( 3/16 ) | 2.381 ( 3/32 ) | 0.794 ( 1/32 ) | 13.494 ( 17/32 )                            | 10.8                                   | 8 710                                  | 12 300                                             |
| 14.2 (0.56)                  | 22.225 ( 7/8 )   | 6.350 ( 1/4 )   | 0.794 ( 1/32 ) | 4.762 ( 3/16 ) | 2.381 ( 3/32 ) | 0.794 ( 1/32 ) | 15.081 ( 19/32 )                            | 10.8                                   | 8 710                                  | 12 300                                             |
| 17.3 (0.68)                  | 25.400 ( 1 )     | 6.350 ( 1/4 )   | 0.794 ( 1/32 ) | 4.762 ( 3/16 ) | 3.175 ( 1/8 )  | 1.191 ( 3/64 ) | 17.859 ( 45/64 )                            | 17.4                                   | 13 100                                 | 22 700                                             |
| 17.3 (0.68)                  | 25.400 ( 1 )     | 6.350 ( 1/4 )   | 0.794 ( 1/32 ) | 4.762 ( 3/16 ) | 3.175 ( 1/8 )  | 1.588 ( 1/16 ) | 19.050 ( 3/4 )                              | 17.4                                   | 13 100                                 | 22 700                                             |
| 20.4 (0.80)                  | 31.750 ( 1 1/4 ) | 7.938 ( 5/16 )  | 0.794 ( 1/32 ) | 4.762 ( 3/16 ) | 3.175 ( 1/8 )  | 1.588 ( 1/16 ) | 21.828 ( 55/64 )                            | 27.7                                   | 23 600                                 | 31 700                                             |
| 20.4 (0.80)                  | 31.750 ( 1 1/4 ) | 7.938 ( 5/16 )  | 0.794 ( 1/32 ) | 4.762 ( 3/16 ) | 3.175 ( 1/8 )  | 1.588 ( 1/16 ) | 21.828 ( 55/64 )                            | 27.7                                   | 23 600                                 | 31 700                                             |
| 23.6 (0.93)                  | 38.100 ( 1 1/2 ) | 9.525 ( 3/8 )   | 0.794 ( 1/32 ) | 4.762 ( 3/16 ) | 3.969 ( 5/32 ) | 1.588 ( 1/16 ) | 26.196 ( 1 3/64 )                           | 55.7                                   | 28 200                                 | 40 100                                             |
| 23.6 (0.93)                  | 38.100 ( 1 1/2 ) | 9.525 ( 3/8 )   | 0.794 ( 1/32 ) | 4.762 ( 3/16 ) | 3.969 ( 5/32 ) | 1.588 ( 1/16 ) | 26.196 ( 1 3/64 )                           | 55.7                                   | 28 200                                 | 40 100                                             |
| 26.8 (1.06)                  | 44.450 ( 1 3/4 ) | 11.112 ( 7/16 ) | 0.794 ( 1/32 ) | 4.762 ( 3/16 ) | 3.969 ( 5/32 ) | 1.588 ( 1/16 ) | 32.543 ( 1 9/32 )                           | 100                                    | 35 300                                 | 55 600                                             |
| 26.8 (1.06)                  | 44.450 ( 1 3/4 ) | 11.112 ( 7/16 ) | 0.794 ( 1/32 ) | 4.762 ( 3/16 ) | 3.969 ( 5/32 ) | 1.588 ( 1/16 ) | 32.543 ( 1 9/32 )                           | 100                                    | 35 300                                 | 55 600                                             |
| 33.5 (1.32)                  | 50.800 ( 2 )     | 12.700 ( 1/2 )  | 0.794 ( 1/32 ) | 4.762 ( 3/16 ) | 4.762 ( 3/16 ) | 1.588 ( 1/16 ) | 37.306 ( 1 15/32 )                          | 162                                    | 45 700                                 | 80 600                                             |
| 33.5 (1.32)                  | 50.800 ( 2 )     | 12.700 ( 1/2 )  | 0.794 ( 1/32 ) | 4.762 ( 3/16 ) | 4.762 ( 3/16 ) | 1.588 ( 1/16 ) | 37.306 ( 1 15/32 )                          | 162                                    | 45 700                                 | 80 600                                             |
| 46.4 (1.83)                  | 63.500 ( 2 1/2 ) | 15.875 ( 5/8 )  | 1.588 ( 1/16 ) | 6.350 ( 1/4 )  | 4.762 ( 3/16 ) | 2.381 ( 3/32 ) | 51.991 ( 2 3/64 )                           | 500                                    | 77 600                                 | 172 000                                            |

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