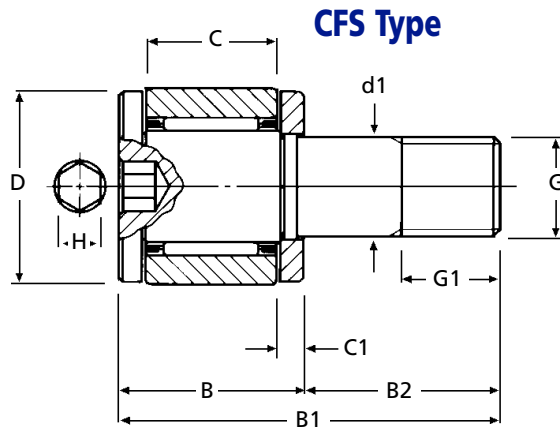
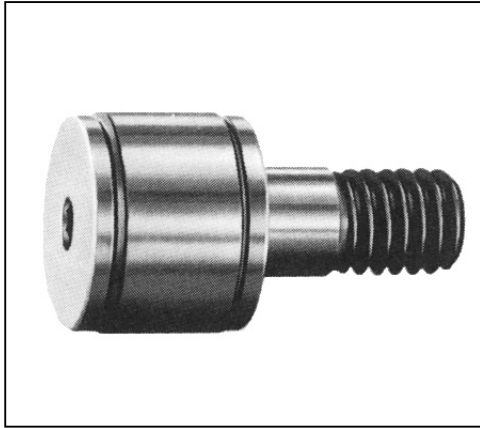


**CFS**

# BEARINGS

## Miniature Type Cam Followers

Stud Diameter 2 - 6mm

**Discounts: 20+ -8.5%**

Part Number	Weight (Ref.) g	Mounting Dimension f Min. mm	Max. Tightening Torque N•cm	Basic Dynamic Load Rating CN	Basic Static Load Rating C <sub>0</sub> N	Max. Allowable Load N
<b>CAGED</b>						
CFS2	0.6	4.3	9.1	288	202	202
CFS2.5	1.0	4.8	18.7	428	351	351
CFS3	2.0	5.8	33.5	629	611	484
CFS4	4.0	7.7	77.7	1120	1120	919
CFS5	7.0	9.6	158.0	1570	1850	1570
CFS6	13.0	11.6	268.0	2090	2200	2150

<b>FULL COMPLEMENT</b>						
CFS2V	0.6	4.3	9.1	768	734	229
CFS2.5V	1.0	4.8	18.7	1000	1080	360
CFS3V	2.0	5.8	33.5	1420	1790	484
CFS4V	4.0	7.7	77.7	2370	3000	919
CFS5V	7.0	9.6	158.0	3180	4700	1570
CFS6V	13.0	11.6	268.0	4610	6250	2150

Caged Type	Full Complement Type	d1 (h7) Stud Dia. mm	D <sup>+0.000</sup> <sub>-0.008</sub>	C <sup>+0.00</sup> <sub>-0.12</sub>	G	G1	B	B1	B2	C1	H	Price Each 1 - 19	
												Caged Type	Full Complement Type
CFS2	CFS2V	2.0	4.5	2.5	M2.0 x 0.40	2.0	4.0	8.0	4	0.7	0.9	£51.13	£P.O.A
CFS2.5	CFS2.5V	2.5	5.0	3.0	M2.5 x 0.45	2.5	4.5	9.5	5	0.7	0.9	£46.50	£46.50
CFS3	CFS3V	3.0	6.0	4.0	M3.0 x 0.50	3.0	5.5	11.5	6	0.7	1.3	£35.95	£43.32
CFS4	CFS4V	4.0	8.0	5.0	M4.0 x 0.70	4.0	7.0	15.0	8	1.0	1.5	£35.95	£35.95
CFS5	CFS5V	5.0	10.0	6.0	M5.0 x 0.80	5.0	8.0	18.0	10	1.0	2.0	£34.89	£34.89
CFS6	CFS6V	6.0	12.0	7.0	M6.0 x 1.00	6.0	9.5	21.5	12	1.2	2.5	£31.65	£31.65

### Material

Carbon Steel (standard) all parts.

### Other Info.

Not Sealed.

Stud designed to fit H6 housing.

Stainless Steel (manufactured on request), add letter F to part number.

For example:

CFS3 would become CFS3F, and CFS3V would become CFS3FV.

Prices and delivery are by quotation.

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**ondrives**

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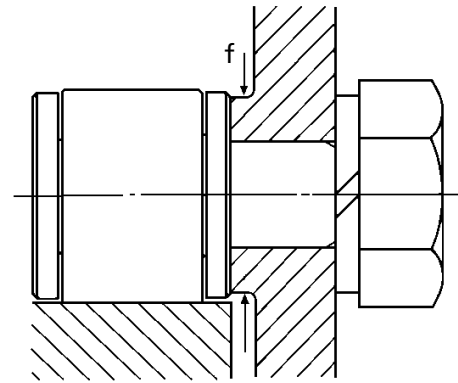
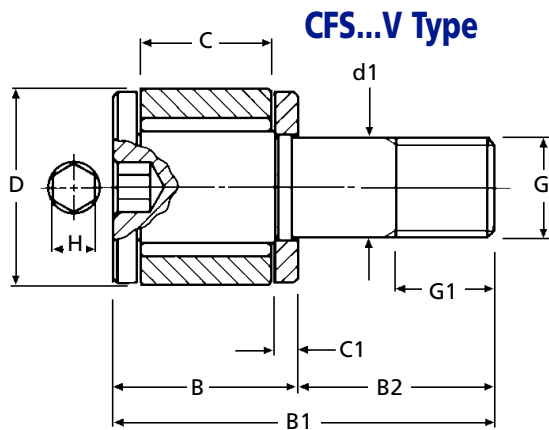
Product information updated 1st April 2011 and subject to change. Please contact Sales for the latest prices and availability.

# BEARINGS

CFS

## Miniature Type Cam Followers

Stud Diameter 2 - 6mm



**Table 1: Track Capacity**

Type: metric series (§§) Cam Followers			
Part No.(§) With Crowned Outer Ring	Track Capacity N	Part No.(§) With Cylindrical Outer Ring	Track Capacity N
-	-	CFS2	220
-	-	CFS2.5	298
-	-	CFS3	485
-	-	CFS4	799
-	-	CFS5	1210
-	-	CFS6	1680

**Table 2: Track Capacity Factor**

Hardness HRC	Tensile Strength N/mm <sup>2</sup>	Track Capacity Factor	
		With Crowned Outer Ring	With Cylindrical Outer Ring
20	760	0.22	0.37
25	840	0.31	0.46
30	950	0.45	0.58
35	1080	0.65	0.75
38	1180	0.85	0.89
40	1250	1.00	1.00
42	1340	1.23	1.15
44	1435	1.52	1.32
46	1530	1.85	1.51
48	1635	2.27	1.73
50	1760	2.80	1.99
52	1880	3.46	2.29
54	2015	4.21	2.61
56	2150	5.13	2.97
58	2290	6.26	3.39

(§) It is also applicable to Full complement type, with hexagon hole type and sealed type.

(§§) Only representative types are shown in the table, but applicable to all metric sizes.

Track capacity is defined as the load which can be continuously applied on a Cam Follower placed on a steel track surface without causing deformation and indentation (dent) on the track surface. The track capacities shown in Table 1 are applicable when the hardness of the mating track surface differs from HRC40, the track capacity is obtained by multiplying the value with a track capacity factor shown in Table 2.

If lubrication between the outer ring and the mating track surface is insufficient, seizure and/or wear may occur depending on the application. Therefore, it is suggested that attention should be paid to both lubrication and surface roughness of the mating track especially in case of high speed rotation such as cam mechanisms.

**Allowable Rotational Speed** is affected by mounting and operating conditions. The  $d \cdot n$  values in general operation under pure radial load are shown below for reference. It is recommended to use 1/10 of the table values in actual applications taking account of axial loads that may be applied.

**$d \cdot n$  Values where  $d$  = Stud Diameter (mm) and  $n$  = Number of Rotations per minute (Rpm)**

**Max  $d \cdot n$  Values** With cage Type = 84,000  $d \cdot n$  (with grease lubricant); Full Complement Type = 42,000  $d \cdot n$  (with grease lubricant)