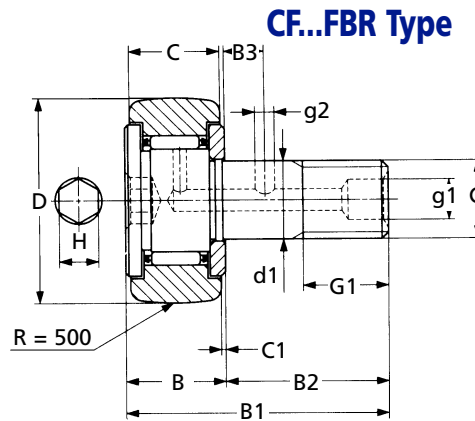
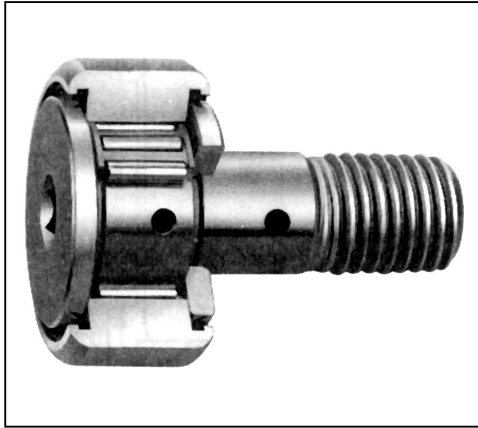


CF-FB

BEARINGS

Stainless Steel Cam Followers

Stud Diameter 3 - 20mm

**Discounts: 20+ -8.5%**

Part Number		Weight (Ref.) g	Mounting Dimension f Min. mm	Max. Tightening Torque N•m	Basic Dynamic Load Rating C N	Basic Static Load Rating Co N	Max. Allowable Load N
Shielded Type	Sealed Type						
CF3-FB	CF3-FBUU	4.3	6.8	0.29	1176	784	382
CF4-FB	CF4-FBUU	7.4	8.3	0.78	1667	1274	833
CF5-FB	CF5-FBUU	10.3	9.3	2.26	1961	1765	1274
CF6-FBR	CF6-FBUUR	18.5	11.0	2.94	2942	2942	1961
CF8-FBR	CF8-FBUUR	28.5	13.0	7.85	3334	3726	3726
CF10-FBR	CF10-FBUUR	45.0	16.0	11.77	4314	5491	5491
CF12-FBR	CF12-FBUUR	95.0	21.0	21.57	6374	7845	7845
CF16-FBR	CF16-FBUUR	170.0	26.0	56.88	9610	14709	14709
CF18-FBR	CF18-FBUUR	250.0	29.0	83.36	11767	20201	20201
CF20-FBR	CF20-FBUUR	460.0	34.0	117.68	16573	27654	27654

Part Number		d1 Stud Dia. mm	D	C	G	G1	B max.	B1 max.	B2	B3	C1	g1	g2	H	r min(1)	Price Each 1 - 19	
Shielded Type	Sealed Type															Shielded Type	Sealed Type
CF3-FB	CF3-FBUU	3	10	7	M3 x 0.50	5.0	8.0	17.0	9.0	-	0.5	-	-	2.0	0.2	£53.88	£62.43
CF4-FB	CF4-FBUU	4	12	8	M4 x 0.70	6.0	9.0	20.0	11.0	-	0.5	-	-	2.5	0.3	£47.92	£54.82
CF5-FB	CF5-FBUU	5	13	9	M5 x 0.80	7.5	10.0	23.0	13.0	-	0.5	-	-	3.0	0.3	£44.53	£51.31
CF6-FBR	CF6-FBUUR	6	16	11	M6 x 1.00	8.0	12.2	28.2	16.0	-	0.6	-	-	3.0	0.3	£38.09	£45.41
CF8-FBR	CF8-FBUUR	8	19	11	M8 x 1.25	10.0	12.2	32.2	20.0	-	0.6	-	-	4.0	0.3	£38.29	£46.68
CF10-FBR	CF10-FBUUR	10	22	12	M10 x 1.25	12.0	13.2	36.2	23.0	-	0.6	-	-	5.0	0.3	£40.90	£46.68
CF12-FBR	CF12-FBUUR	12	30	14	M12 x 1.50	13.0	15.2	40.2	25.0	6	0.6	6.0	3	6.0	0.6	£50.92	£58.44
CF16-FBR	CF16-FBUUR	16	35	18	M16 x 1.50	17.0	19.6	52.1	32.5	8	0.8	6.0	3	6.0	0.6	£63.11	£66.97
CF18-FBR	CF18-FBUUR	18	40	20	M18 x 1.50	19.0	21.6	58.1	36.5	8	0.8	6.0	3	8.0	1.0	£77.05	£81.81
CF20-FBR	CF20-FBUUR	20	52	24	M20 x 1.50	21.0	25.6	66.1	40.5	9	0.8	8.0	4	8.0	1.0	£105.93	£110.59

Material

Stainless Steel similar to 440C.

Other Info.

Sealed types have seals made of synthetic rubber.

Shielded types have stainless shields.

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

BEARINGS

CF-FB

Stainless Steel Cam Followers

Stud Diameter 3 - 20mm

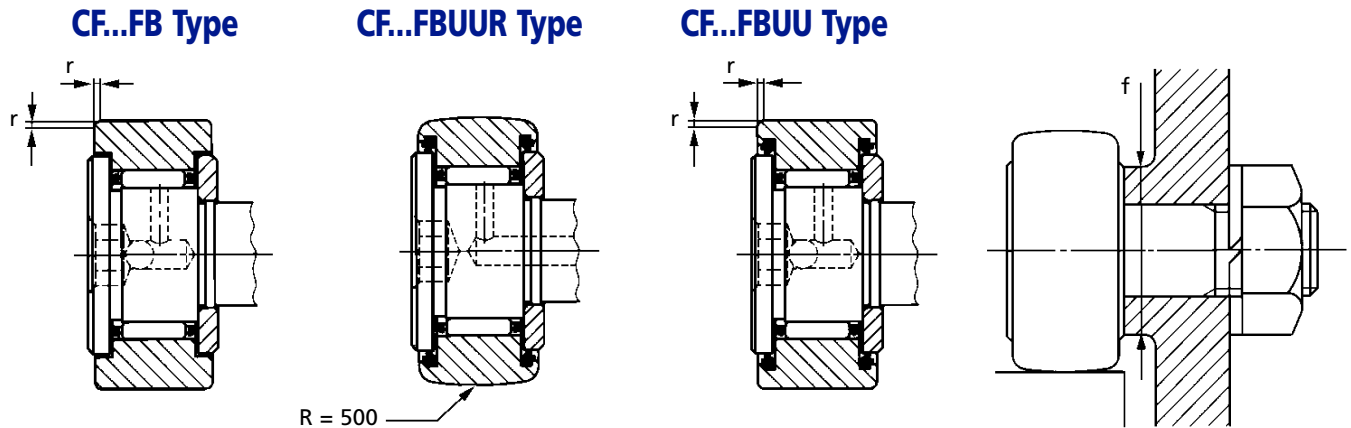


Table 1: Track Capacity

Type: metric series (§§) Cam Followers			
Part No.(§) With Crowned Outer Ring	Track Capacity N	Part No.(§) With Cylindrical Outer Ring	Track Capacity N
-	-	CF3-FB	1372
-	-	CF4-FB	1765
-	-	CF5-FB	2255
CF6-FBR	1078	-	-
CF8-FBR	1372	-	-
CF10-FBR	1569	-	-
CF12-FBR	2059	-	-
CF16-FBR	2451	-	-
CF18-FBR	3628	-	-
CF20-FBR	5197	-	-

Table 2: Track Capacity Factor

Hardness HRC	Tensile Strength N/mm ²	Track Capacity Factor	
		With Crowned Outer Ring	With Cylindrical Outer Ring
20	755	0.22	0.37
25	843	0.31	0.46
30	951	0.45	0.58
35	1078	0.65	0.75
38	1176	0.85	0.89
40	1245	1.00	1.00
42	1333	1.23	1.15
44	1431	1.52	1.32
46	1529	1.85	1.51
48	1637	2.27	1.73
50	1755	2.80	1.99
52	1882	3.46	2.29
54	2010	4.21	2.61
56	2147	5.13	2.97
58	2294	6.26	3.39

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 $d_1 \cdot n$ 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.

$d_1 \cdot n$ Values where d_1 = Stud Diameter (mm) and n = Number of Rotations per minute (Rpm)

Max $d_1 \cdot n$ Values With cage Type = 84,000 $d_1 \cdot n$ (with grease lubricant); Full Complement Type = 42,000 $d_1 \cdot n$ (with grease lubricant)

Notes

(1) Minimum allowable value of chamfer "r"

(§) 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.