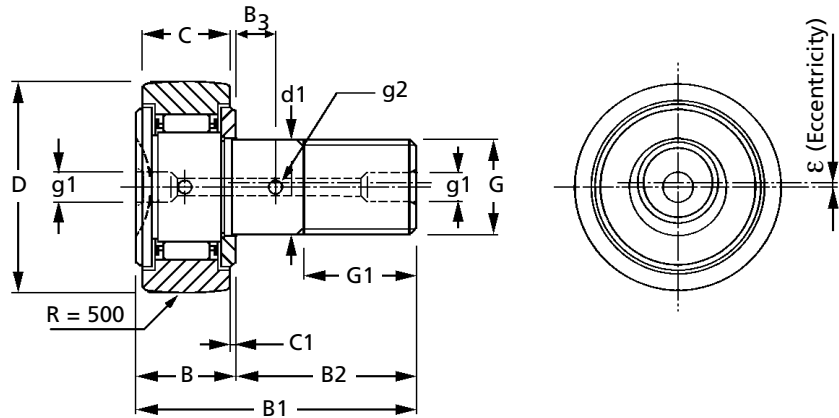
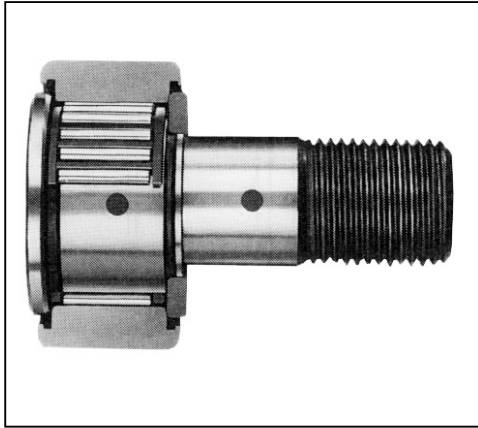


CFES

BEARINGS

Solid Eccentric Stud Type Cam Followers Sealed

Stud Diameter 6 - 18mm

**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
CROWNED OUTER RING						
CFES6UUR	18.5	11	0.3	370	370	200
CFES8UUR	28.5	13	0.8	430	480	470
CFES10UUR	45.0	16	1.2	550	700	700
CFES10-1UUR	60.0	16	1.2	550	700	700
CFES12UUR	95.0	21	2.2	810	1000	1000
CFES12-1UUR	105.0	21	2.2	810	1000	1000
CFES16UUR	170.0	26	5.8	1230	1870	1870
CYLINDRICAL OUTER RING						
CFES18UU	250.0	29	8.5	1500	2570	2570

Part Number	Crowned outer ring	Cylindrical outer ring	d1 (h7) Stud Dia. mm	D	C ^{+0.00/-0.12}	G	G1	B max.	B1 max.	B2	B3	C1	g1	g2	r min(1)	Eccentricity ε	Price Each 1 - 19	
																	Crowned outer ring	Cylindrical outer ring
CFES6UUR	-	-	6	16	11	M6 x 1.00	8	12.2	28.2	16.0	-	0.6	*4	-	0.3	0.25	£26.54	-
CFES8UUR	-	-	8	19	11	M8 x 1.25	10	12.2	32.2	20.0	-	0.6	*4	-	0.3	0.25	£27.54	-
CFES10UUR	-	-	10	22	12	M10 x 1.25	12	13.2	36.2	23.0	-	0.6	*4	-	0.3	0.30	£31.32	-
CFES10-1UUR	-	-	10	26	12	M10 x 1.25	12	13.2	36.2	23.0	-	0.6	*4	-	0.3	0.30	£31.17	-
CFES12UUR	-	-	12	30	14	M12 x 1.50	13	15.2	40.2	25.0	6	0.6	6	3	0.6	0.40	£34.32	-
CFES12-1UUR	-	-	12	32	14	M12 x 1.50	13	15.2	40.2	25.0	6	0.6	6	3	0.6	0.40	£30.58	-
CFES16UUR	-	-	16	35	18	M16 x 1.50	17	19.6	52.1	32.5	8	0.8	6	3	0.6	0.50	£35.19	-
-	CFES18UU	-	18	40	20	M18 x 1.50	19	21.6	58.1	36.5	8	0.8	6	3	1.0	0.60	-	£35.19

Material

Carbon Steel. **Seals:** Rubber.

Other Info.

Seals are a special synthetic rubber assembled in the outer ring.

Screwdriver slot for mounting.

Stud designed to fit H7 housing.

Notes

(1) Minimum allowable value of chamfer "r"

*=one oil hole prepared only in the flange head of stud.

(§) 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.

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

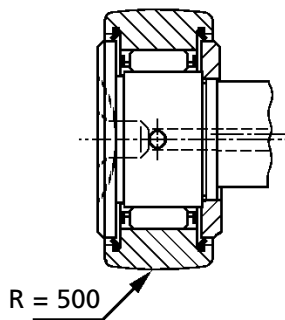
BEARINGS

CFES

Solid Eccentric Stud Type Cam Followers Sealed

Stud Diameter 6 - 18mm

CFES...UUR Type



CFES...UU Type

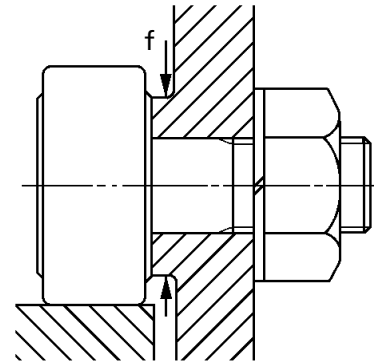
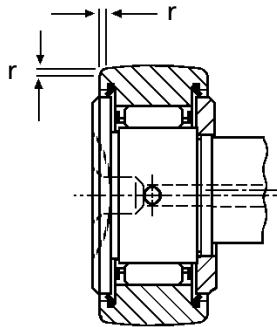


Table 1: Track Capacity

Type: metric series (§§) Cam Followers			
Part No.(§) With Crowned Outer Ring	Track Capacity N	Part No.(§) With Cylindrical Outer Ring	Track Capacity N
CFES6R	110	-	-
CFES8R	140	-	-
CFES10R	160	-	-
CFES10-1R	210	-	-
CFES12R	250	-	-
CFES12-1R	280	-	-
CFES16R	310	-	-
-	-	CFES18	1470

Table 2: Track Capacity Factor

Hardness HRC	Tensile Strength N/mm ²	Track Capacity Factor	
		With Crowned Outer Ring	With Cylindrical Outer Ring
20	77	0.22	0.37
25	86	0.31	0.46
30	97	0.45	0.58
35	110	0.65	0.75
38	120	0.85	0.89
40	127	1.00	1.00
42	136	1.23	1.15
44	146	1.52	1.32
46	156	1.85	1.51
48	167	2.27	1.73
50	179	2.80	1.99
52	192	3.46	2.29
54	205	4.21	2.61
56	219	5.13	2.97
58	234	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 $d \cdot n$ 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 $d1 = \text{Stud Diameter (mm)}$ and $n = \text{Number of Rotations per minute (Rpm)}$

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)