Urethane Cam Followers

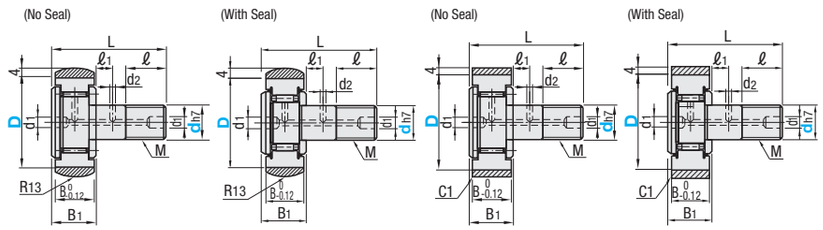
■Standard RoHS

R		Flat		Material		Accessories
No Seal	With Seal	No Seal	With Seal	Urethane	Cam Followers	
CFFRR	CFFRRZ	CFFRU	CFFRUZ	Shore A90	52100 Bearing Steel	1 Hex Nut (1045 Carbon Steel Carbon Steel, Black Oxide)
CFFRRS	CFFRRZS	-	CFFRUZS		440C Stainless Steel	Hex Nut 1 pc. (304 Stainless Steel)

Operating Temperature 80°C or less

Urethane is baked on the outer rings of the cam followers.

■R(Crowned) ■Flat



Part Number Type	dh7	Tolerance	D	MxPitch	ℓ	B	B1	L	d1	d2	ℓ1	Allowable Load (N)	Allowable Rotational Speed (rpm)	Mass (g)	Unit Price CFFRR	CFFRRS	CFFRRZ	CFFRRZS	CFFRU	CFFRUZ	CFFRUZS
(R, No Seal) CFFRR CFFRRS (Flat, No Seal) CFFRU	5	0 -0.012	13	5x0.8	7.5	9	10	23	3.1*	-	-	68	1500	13							
	6		16	6x1.0	9	11	12	28	4*			90	1300	22							-
	8	0 -0.015	19	8x1.25	11			32				96	1180	33							
(R, With Seal) CFFRRZ CFFRRZS (Flat, With Seal) CFFRUZ CFFRUZS	10		22	10x1.25	13	12	13	36				110	1060	50	-	-					
			26									118	930	66		-					
	12	0 -0.018	30	12x1.5	14	14	15	40	6	3	6	147	830	103		-					-
			32									151	800	113			-				
	16		35	16x1.5	18	18	19.5	52			8	202	740	181		-					-

*For Standard Type, grease replenishing hole is provided on the head only. For d5, no grease replenishment hole is provided.

kgf=Nx0.101972

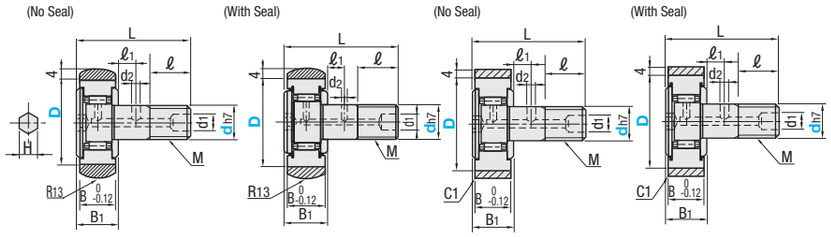
■With Hex Socket RoHS

R		Flat		Material		Accessories
No Seal	With Seal	No Seal	With Seal	Urethane	Cam Followers	
CFFRRU	CFFRRA	CFFRUU	CFFRUA	Shore A90	52100 Bearing Steel	1 Hex Nut (1045 Carbon Steel Carbon Steel, Black Oxide)
-	CFFRRAS	-	CFFRUAS		440C Stainless Steel	Hex Nut 1 pc. (304 Stainless Steel)
-	-	-	CFFRUAG	Shore A50	52100 Bearing Steel	1 Hex Nut (1045 Carbon Steel Carbon Steel, Black Oxide)

Operating Temperature 80°C or less

Urethane is baked on the outer rings of the cam followers.

■R(Crowned) ■Flat



Part Number Type	dh7	Tolerance	D	MxPitch	ℓ	B	B1	L	d1	d2	ℓ1	H	Allowable Load (N)	Allowable Rotational Speed (rpm) Shore A90	Shore A50	Mass (g)	Unit Price CFFRRU	CFFRRA	CFFRRAS	CFFRUU	CFFRUA	CFFRUAS	CFFRUAG
(R, No Seal) CFFRRU (Flat, No Seal) CFFRUU	5	0 -0.012	13	5x0.8	7.5	9	10	23	-	-	-	3	68	1500	250	13							
	6		16	6x1.0	9	11	12	28				4	90	1300	220	22							
	8	0 -0.015	19	8x1.25	11			32					96	1180	190	33							
(R, With Seal) CFFRRA CFFRRAS (Flat, With Seal) CFFRUA CFFRUAS CFFRUAG	10		22	10x1.25	13	12	13	36				5	110	1060	170	50							
			26										118	930	150	66							
	12	0 -0.018	30	12x1.5	14	14	15	40	6	3	6	6	147	830	140	103							
			32										151	800	130	113							
	16		35	16x1.5	18	18	19.5	52			8		202	740	120	181							

For d12 and larger sizes, there are both hex socket and driver groove. For d10 and smaller sizes, no grease replenishing hole is provided.

kgf=Nx0.101972

Ordering Example: Part Number - D; CFFRUZ10 - 22, CFFRUU12 - 32

Days to Ship: Configure Online

Price: Configure Online

[Material Properties]

Item	Urethane	MC Nylon
Allowable Load	△	○
Abrasion Resistance	○	△
Mechanical Strength	○	◎
Heat Resistance	×	△
Chemical Resistance	×	○

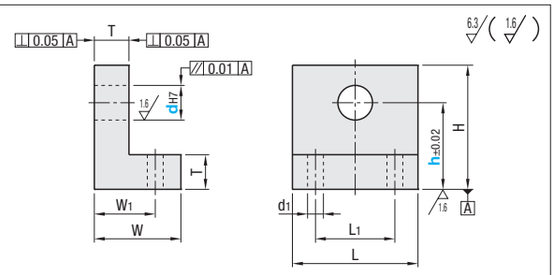
*For MC Nylon, see P.933.

Brackets for Cam Followers

■**Feature:** Available for Cam Followers with plastic or urethane. dH7 is made to fit with Cam Follower's shaft diameter.

■Brackets for Cam Followers L-Shaped RoHS

Type	Material	Surface Treatment
CMFLB	1045 Carbon Steel	Black Oxide
CMFL		Electroless Nickel Plating
CMFLS	304 Stainless Steel	-



Part Number Type	d	h 1mm Increment	H	T	L1	L	W	W1	d1	Unit Price CMFLB	CMFL	CMFLS
CMFLB CMFL CMFLS	5	17~28	h+4.5	8	16	26	20	13	5.5			
	6	17~32	h+6		19	29	22	15				
	8	20~38	h+7	10	22	32	24	17				
	10	25~52	h+10	12	29	42	28	20	6.5			
	12	28~64	h+11		31	47	28	20				

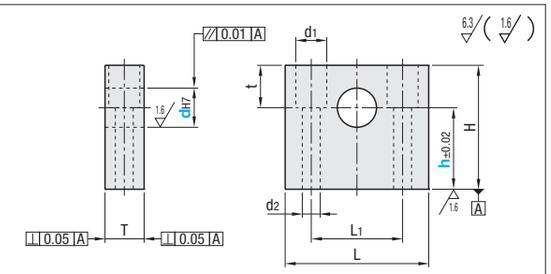
Ordering Example: Part Number - h; CMFLB8 - 30

Days to Ship: Configure Online

Price: Configure Online

■Brackets for Cam Followers Block RoHS

Type	Material	Surface Treatment
CMFB	1045 Carbon Steel	Black Oxide
CMF		Electroless Nickel Plating
CMFS	304 Stainless Steel	-



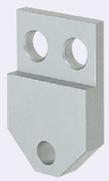
Part Number Type	d	h 1mm Increment	H	T	L1	L	d1	d2	t	Unit Price CMFB	CMF	CMFS
CMFB CMF CMFS	6	12~25	h+6	10	24	38	7.5	4.5	5			
	8	15~30	h+7	12			9.5	5.5	6.5			
	10	20~35	h+10		26	42	11	6.5	10			
	12	20~40	h+11		28	44			11			

Ordering Example: Part Number - h; CMFB8 - 25

Days to Ship: Configure Online

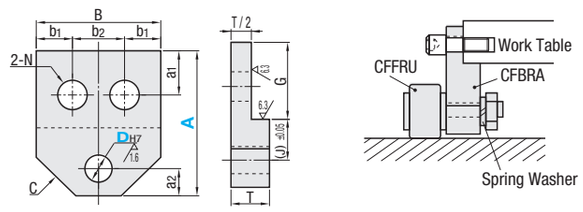
Price: Configure Online

■Brackets for Cam Followers Side RoHS



CFBRA

Example



M Material: 5052 Aluminum Alloy

S Surface Treatment: Clear Anodize

Part Number Type	DH7		A 1mm Increment	a1	a2	B	b1	b2	G	N	T	Mounting Screw Size	C	(J)	Unit Price
CFBRA	5	+0.012	27~50	8	4.5	24	6	12	15	6	7	M5	8	(J)=A-G-a2	
	6	0	31~60	9	6	27	6.5	14	16	7	8	M6	8.5		
	8	+0.015	40~80	11.5	7.5	34	8.5	17	21	9.5	10	M8	12		
	10	0	49~100	14	8	44	11	22	26	11.5	12	M10	16		
	12	+0.018	58~120	17	12	48	12	24	32	13.5	12	M12	17		
	16	0	79~160	21	14.5	66	17	32	41	17.5	15	M16	25		

Ordering Example: Part Number - A; CFBRA5 - 37

Days to Ship: Configure Online

Price: Configure Online