


Urethane Cam Followers

Straight Slot

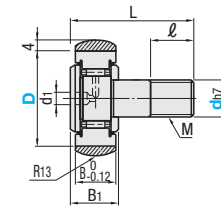
■ Features: Urethane is baked on the outer rings of the cam followers.



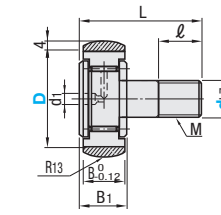
RoHS10

Type		Material		Accessory
With Seal	No Seal	Urethane	Cam Followers	
CFFRRZ	CFFRR	Shore A90	SUJ2	1 Hex Nut (S45C Carbon Steel, Black Oxide)
CFFRRZS	CFFRRS		SUS440C Equivalent	Hex Nut 1 pc. (SUS304)

(With Seal)




(No Seal)



⊗ Operating Temp.: 80°C or lower
 ⊗ Grease hole is provided on the head only.

Part Number	D	MxPitch	B	B1	L	d1	ℓ	Max. Allowable Load (N)	Allowable Rotational Speed (rpm)	Mass (g)	Unit Price				
											CFFRRZ	CFFRRZS	CFFRR	CFFRRS	
(With Seal) CFFRRZ CFFRRZS	5 6	0 -0.012	13 16	5x0.8 6x1.0	9 11	10 12	23 28	3.1 7.5	68 90	1500 1300	13 22				
(No Seal) CFFRR CFFRRS	8 10	0 -0.015	19 22 26	8x1.25 10x1.25	12 13	13 36	32 4	11 13	96 110 118	1180 1060 930	33 50 66				

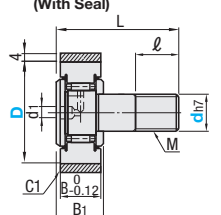
⊗ The standards of d12, 16 have been modified to those with the hex socket on the head and thread. For the new part number, see P.1052.



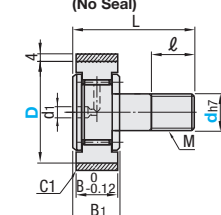
RoHS10

Type		Material		Accessory
With Seal	No Seal	Urethane	Cam Followers	
CFFRUZ	CFFRU	Shore A90	SUJ2	1 Hex Nut (S45C Carbon Steel, Black Oxide)
CFFRUZS	-		SUS440C Equivalent	Hex Nut 1 pc. (SUS304)

(With Seal)



(No Seal)



⊗ Operating Temp.: 80°C or lower
 ⊗ Grease hole is provided on the head only.

Part Number	D	MxPitch	B	B1	L	d1	ℓ	Max. Allowable Load (N)	Allowable Rotational Speed (rpm)	Mass (g)	Unit Price			
											CFFRUZ	CFFRUZS	CFFRU	
(With Seal) CFFRUZ CFFRUZS	5 6	0 -0.012	13 16	5x0.8 6x1.0	9 11	10 12	23 28	3.1 7.5	68 90	1500 1300	13 22			
(No Seal) CFFRU CFFRU	8 10	0 -0.015	19 22 26	8x1.25 10x1.25	12 13	13 36	32 4	11 13	96 110 118	1180 1060 930	33 50 66			

⊗ The standards of d12, 16 have been modified to those with the hex socket on the head and thread. For the new part number, see P.1052.

Ordering Example: Part Number - D
CFFRUZ10 - 22


[Material Properties]		
Item	Urethane	MC Nylon
Allowable Load	△	○
Abrasion Resistance	○	△
Mechanical Strength	○	△
Heat Resistance	×	△
Chemical Resistance	×	○

⊗ For MC Nylon, see P.1049.

Urethane Cam Followers

With Hex Socket

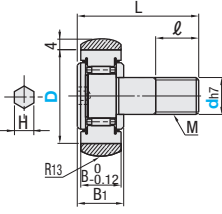
■ Features: Urethane is baked on the outer rings of the cam followers.




RoHS10

Type				Material		Accessory
Hex Socket on Head (d5 ~ 10)		Hex Socket on Head and Thread (d12 ~ 16)		Urethane	Cam Followers	
With Seal	No Seal	With Seal	No Seal			
CFFRAA	CFFRAU	CFFRAH	CFFRTH	Shore A90	SUJ2	1 Hex Nut (S45C Carbon Steel, Black Oxide)
CFFRRAS	-	CFFRSH	CFFRTSH		SUS440C Equivalent	Hex Nut 1 pc. (SUS304)
-	-	-	-	Shore A50	SUJ2	1 Hex Nut (S45C Carbon Steel, Black Oxide)

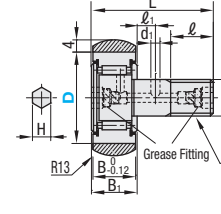
■ Hex Socket on Head (d5 ~ 10) (With Seal)



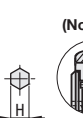
(No Seal)



■ Hex Socket on Head and Thread (d12 ~ 16) (With Seal)




(No Seal)



⊗ Operating Temp.: 80°C or lower
 ⊗ For d10 and smaller sizes, no grease replenishing hole is provided.

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

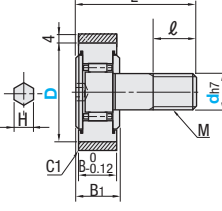
⊗ The standards of d12, 16 have been modified to those with the hex socket on the head and thread.




RoHS10

Type				Material		Accessory
Hex Socket on Head (d5 ~ 10)		Hex Socket on Head and Thread (d12 ~ 16)		Urethane	Cam Followers	
With Seal	No Seal	With Seal	No Seal			
CFFRUUA	CFFRUUAS	CFFTAH	CFFTH	Shore A90	SUJ2	1 Hex Nut (S45C Carbon Steel, Black Oxide)
CFFRUUAS	-	CFFTSH	-		SUS440C Equivalent	Hex Nut 1 pc. (SUS304)
CFFRUUAG	-	CFFTGH	-	Shore A50	SUJ2	1 Hex Nut (S45C Carbon Steel, Black Oxide)

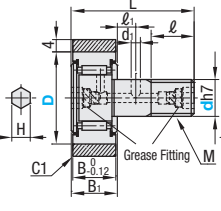
■ Hex Socket on Head (d5 ~ 10) (With Seal)



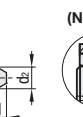
(No Seal)



■ Hex Socket on Head and Thread (d12 ~ 16) (With Seal)



(No Seal)



⊗ Operating Temp.: 80°C or lower
 ⊗ For d10 and smaller sizes, no grease replenishing hole is provided.

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

⊗ The standards of d12, 16 have been modified to those with the hex socket on the head and thread.

Part Number Substitution Table for Cam Follower Standard Changes (d12, 16)

Type	Old Part Number (d12, 16)		New Part Number (d12, 16)
	Old Standard	Old Hex Socket	Hex Socket on Head and Thread
Urethane	CFFRRZ	CFFRAA	CFFRAH
	CFFRRZS	CFFRRAS	CFFRSH
	CFFRR	CFFRUU	CFFRTH
	CFFRRS	-	CFFRTSH
	CFFRUZ	CFFRUUA	CFFTAH
	CFFRUZS	CFFRUUAS	CFFTSH
	-	CFFRUUAG	CFFTGH
	CFFRU	CFFRUU	CFFTH

Ordering Example: Part Number - D
CFFRAH12 - 30