


Urethane Cam Followers

Straight Slot

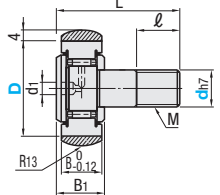
■ Features: Urethane is baked on the outer rings of the cam followers.



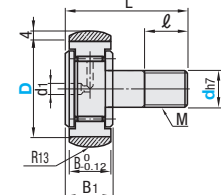
RoHS10

Type		Material		Accessory
With Seal	No Seal	Urethane	Cam Followers	
CFFRRZ	CFFRR	Shore A90	EN 1.3505 Equiv.	Hex Nut (EN 1.1191 Equiv. Carbon Steel, Black Oxide)
CFFRRZS	CFFRRS		EN 1.4125 Equiv.	Hex Nut 1 pc. (EN 1.4301 Equiv.)

(With Seal)




(No Seal)



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

Part Number		D Selectable	MxPitch	B	B ₁	L	d ₁	ℓ	Max. Allowable Load (N)	Allowable Rotational Speed (rpm)	Mass (g)	Unit Price			
Type	dh7 Tolerance											CFFRRZ	CFFRRZS	CFFRR	CFFRRS
(With Seal)	5	13	5x0.8	9	10	23	3.1	7.5	68	1500	13				
CFFRRZ	6														
CFFRRZS	8	19	8x1.25	11	12	32	4	11	96	1180	33				
(No Seal)	10														
CFFRR	10	22	10x1.25	12	13	36	4	13	110	1060	50				
CFFRRS	26														

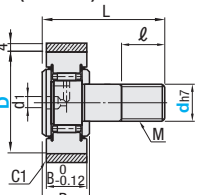
⚠ The standards of d12, 16 have been modified to those with the hex socket on the head and thread. For the new part number, see P.1052.



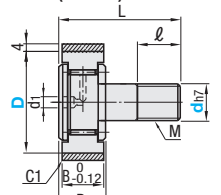
RoHS10

Type		Material		Accessory
With Seal	No Seal	Urethane	Cam Followers	
CFFRUZ	CFFRU	Shore A90	EN 1.3505 Equiv.	Hex Nut (EN 1.1191 Equiv. Carbon Steel, Black Oxide)
CFFRUZS	-		EN 1.4125 Equiv.	Hex Nut 1 pc. (EN 1.4301 Equiv.)

(With Seal)



(No Seal)



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

Part Number		D Selectable	MxPitch	B	B ₁	L	d ₁	ℓ	Max. Allowable Load (N)	Allowable Rotational Speed (rpm)	Mass (g)	Unit Price		
Type	dh7 Tolerance											CFFRUZ	CFFRUZS	CFFRU
(With Seal)	5	13	5x0.8	9	10	23	3.1	7.5	68	1500	13			
CFFRUZ	6													
CFFRUZS	8	19	8x1.25	11	12	32	4	11	96	1180	33			
(No Seal)	10													
CFFRU	10	22	10x1.25	12	13	36	4	13	110	1060	50			
	26													

⚠ 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

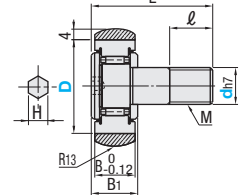
■ Features: Urethane is baked on the outer rings of the cam followers.




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	Shore A90	EN 1.3505 Equiv.	Hex Nut (EN 1.1191 Equiv. Carbon Steel, Black Oxide)
CFFRRA	CFFRRU	CFFRAH	CFFRTH			
CFFRRAS	-	CFFRSH	CFFRTSH	EN 1.3505 Equiv.	Hex Nut (EN 1.1191 Equiv. Carbon Steel, Black Oxide)	

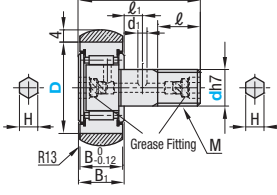
Hex Socket on Head (d5 ~ 10) (With Seal)




(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 Selectable	MxPitch	B	B ₁	L	d ₁	ℓ	ℓ ₁	H	Allowable Load (N)	Allowable Rotational Speed (rpm)		Mass (g)	Unit Price						
Type	dh7 Tolerance											Shore A90	Shore A50		CFFRRA	CFFRRAS	CFFRRU	CFFRAH	CFFRSH	CFFRTH	CFFRTSH
(With Seal)	5	13	5x0.8	9	10	23	3.1	7.5			3	68	1500	250	13						
CFFRRA	6																				
CFFRRAS	8	19	8x1.25	11	12	32	4	11			4	96	1180	190	33						
(No Seal)	10																				
CFFRRU	10	22	10x1.25	12	13	36	4	13			5	110	1060	170	50						
	26																				
(With Seal)	12	30	12x1.5	14	15	40	6	14	6	6	6	147	830	140	103						
CFFRAH	16																				
CFFRSH	16	35	16x1.5	18	19.5	52	6	18	8	8	6	202	740	120	181						
CFFRTH																					
CFFRTSH																					

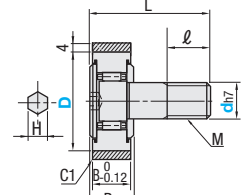
⚠ The standards of d12, 16 have been modified to those with the hex socket on the head and thread.




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	Shore A90	EN 1.3505 Equiv.	Hex Nut (EN 1.1191 Equiv. Carbon Steel, Black Oxide)
CFFRUUA	CFFRUU	CFFTAH	CFFTH			
CFFRUUS	-	CFTSH	-	EN 1.3505 Equiv.	Hex Nut (EN 1.1191 Equiv. Carbon Steel, Black Oxide)	
CFFRUAG	-	CFTGH	-	EN 1.3505 Equiv.	Hex Nut (EN 1.1191 Equiv. Carbon Steel, Black Oxide)	

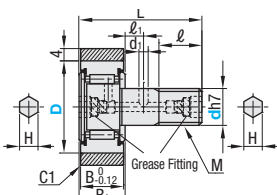
Hex Socket on Head (d5 ~ 10) (With Seal)




(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 Selectable	MxPitch	B	B ₁	L	d ₁	d ₂	ℓ	ℓ ₁	H	Allowable Load (N)	Allowable Rotational Speed (rpm)		Mass (g)	Unit Price					
Type	dh7 Tolerance												Shore A90	Shore A50		CFFRUUA	CFFRUUS	CFFRUAG	CFFRUU	CFFTAH	CFTSH
(With Seal)	5	13	5x0.8	9	10	23	3.1	7.5			3	68	1500	250	13						
CFFRUUA	6																				
CFFRUUS	8	19	8x1.25	11	12	32	4	11			4	96	1180	190	33						
CFFRUAG	10																				
(No Seal)	10	22	10x1.25	12	13	36	4	13			5	110	1060	170	50						
CFFRUU	26																				
(With Seal)	12	30	12x1.5	14	15	40	6	14	6	6	6	147	830	140	103						
CFFTAH	16																				
CFTSH	16	35	16x1.5	18	19.5	52	6	18	8	8	6	202	740	120	181						
CFTGH																					
CFFTH																					

⚠ 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	CFFRRA	CFFRAH
	CFFRRZS	CFFRRAS	CFFRSH
	CFFRR	CFFRRU	CFFRTH
	CFFRRS	-	CFFRTSH
	CFFRUZ	CFFRUUA	CFFTAH
	CFFRUZS	CFFRUUS	CFTSH
	-	CFFRUAG	CFTGH
	CFFRU	CFFRUU	CFFTH

Ordering Example: Part Number - D
CFFRAH12 - 30