

Urethane Cam Followers

Straight Slot



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

RoHS

Type		Material		Accessories
With Seal	No Seal	Urethane	Cam Followers	
CFFRRZ	CFFRR	Shore A90	52100 Bearing Steel	1 Hex Nut (1045 Carbon Steel Carbon Steel, Black Oxide)
CFFRRZS	CFFRRS		440C Stainless Steel Equivalent	

(With Seal)

(No Seal)

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

Part Number	Type	D Selectable	MxPitch	B	B ₁	L	d ₁	ℓ	Max. Allowable Load (N)	Allowable Rotational Speed (rpm)	Mass (g)	Unit Price				
												CFFRRZ	CFFRRZS	CFFRR	CFFRRS	
(With Seal)	5	0	13	5x0.8	9	10	23	3.1	7.5	68	1500	13				
CFFRRZ	6	-0.012	16	6x1.0			28		9	90	1300	22				
CFFRRZS	8		19	8x1.25	11	12	32		11	96	1180	33				
(No Seal)	10	0	22	10x1.25	12	13	36		13	110	1060	50				
CFFRR		-0.015	26							118	930	66				
CFFRRS																

⚠ The parts with option of d12-16 have been changed to a new part type. For the new part number, see P.1052.

RoHS

Type		Material		Accessories
With Seal	No Seal	Urethane	Cam Followers	
CFFRUZ	CFFRU	Shore A90	52100 Bearing Steel	1 Hex Nut (1045 Carbon Steel Carbon Steel, Black Oxide)
CFFRUZS	-		440C Stainless Steel Equivalent	

(With Seal)

(No Seal)

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

Part Number	Type	D Selectable	MxPitch	B	B ₁	L	d ₁	ℓ	Max. Allowable Load (N)	Allowable Rotational Speed (rpm)	Mass (g)	Unit Price			
												CFFRUZ	CFFRUZS	CFFRU	
(With Seal)	5	0	13	5x0.8	9	10	23	3.1	7.5	68	1500	13			
CFFRUZ	6	-0.012	16	6x1.0			28		9	90	1300	22			
CFFRUZS	8		19	8x1.25	11	12	32		11	96	1180	33			
(No Seal)	10	0	22	10x1.25	12	13	36		13	110	1060	50			
CFFRU		-0.015	26							118	930	66			

⚠ The parts with option of d12-16 have been changed to a new part type. For the new part number, see P.1052.

Ordering Example: Part Number **CFFRUZ10** - **D** **22** Days to Ship [Configure Online](#)

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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.

RoHS

Type				Material		Accessories
Hex Socket on Head (d5 ~ 10)		Hex Socket on Head and Shank (d12 ~ 16)		Urethane	Cam Followers	
With Seal	No Seal	With Seal	No Seal			
CFFRAZ	CFFRA	CFFRAH	CFFRTH	Shore A90	52100 Bearing Steel	1 Hex Nut (1045 Carbon Steel Carbon Steel, Black Oxide)
CFFRAS	-	CFFRAH	CFFRTH		440C Stainless Steel Equivalent	
-	-	-	-	Shore A50	52100 Bearing Steel	1 Hex Nut (1045 Carbon Steel Carbon Steel, Black Oxide)

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

(No Seal)

■ Hex Socket on Head and Shank (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	Type	D Selectable	MxPitch	B	B ₁	L	d ₁	ℓ	ℓ ₁	H	Allowable Load (N)	Allowable Rotational Speed (rpm)		Mass (g)	Unit Price						
												Shore A90	Shore A50		CFFRA	CFFRAS	CFFRAH	CFFRTH	CFFRAH	CFFRTH	CFFRSH
(With Seal)	5	0	13	5x0.8	9	10	23				3	68	1500	250	13						
CFFRAZ	6	-0.012	16	6x1.0			28					90	1300	220	22						
CFFRAS	8		19	8x1.25	11	12	32					96	1180	190	33						
(No Seal)	10	0	22	10x1.25	12	13	36					110	1060	170	50						
CFFRAZ		-0.015	26									118	930	150	66						
(With Seal)	12	0	30	12x1.5	14	15	40					147	830	140	103						
CFFRAH		-0.018	32				3	6				151	800	130	113						
CFFRSH			35	16x1.5	18	19.5	52					202	740	120	181						
CFFRTH																					
CFFRTH																					

⚠ The parts with option of d12-16 have been changed to a new part type.

RoHS

Type				Material		Accessories
Hex Socket on Head (d5 ~ 10)		Hex Socket on Head and Shank (d12 ~ 16)		Urethane	Cam Followers	
With Seal	No Seal	With Seal	No Seal			
CFFRUZ	CFFRU	CFFRUH	CFFRTH	Shore A90	52100 Bearing Steel	1 Hex Nut (1045 Carbon Steel Carbon Steel, Black Oxide)
CFFRUZS	-	CFFRUH	CFFRTH		440C Stainless Steel Equivalent	
CFFRUZ	-	CFFRUH	CFFRTH	Shore A50	52100 Bearing Steel	1 Hex Nut (1045 Carbon Steel Carbon Steel, Black Oxide)

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

(No Seal)

■ Hex Socket on Head and Shank (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	Type	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						
													Shore A90	Shore A50		CFFRUZ	CFFRUAS	CFFRUAG	CFFRUH	CFFRUH	CFFRTH	CFFRTH
(With Seal)	5	0	13	5x0.8	9	10	23					3	68	1500	250	13						
CFFRUZ	6	-0.012	16	6x1.0			28						90	1300	220	22						
CFFRUAS	8		19	8x1.25	11	12	32						96	1180	190	33						
(No Seal)	10	0	22	10x1.25	12	13	36						110	1060	170	50						
CFFRUZ		-0.015	26										118	930	150	66						
(With Seal)	12	0	30	12x1.5	14	15	40						147	830	140	103						
CFFRUH		-0.018	32				3	6					151	800	130	113						
CFFRSH			35	16x1.5	18	19.5	52						202	740	120	181						
CFFRTH																						

⚠ The parts with option of d12-16 have been changed to a new part type.

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
Urethane	CFFRRZ	CFFRAZ
	CFFRRZS	CFFRAS
	CFFRR	CFFRU
	CFFRRS	CFFRUH
	CFFRUZ	CFFRUZ
	CFFRUZS	CFFRUAS
	-	CFFRUAG
	CFFRU	CFFRU
	-	CFFRUH
	-	CFFRTH

Ordering Example: Part Number **CFFRUZ10** - **D** **22** Days to Ship [Configure Online](#)

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