


Plastic Cam Followers

Press Fit

■ **Features:** Plastic is pressed onto the outer ring of the cam follower.

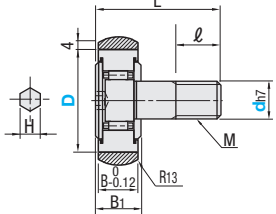
■ **R**



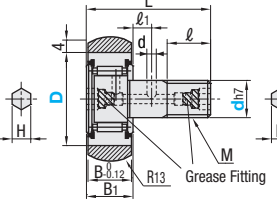
Type		Seal	Material		Accessory
(d5 - 10) Hex Socket on Head	(d12, 16) Hex Socket on Head and Thread		Plastic	Cam Followers	
CFFRUDS	CFRUH	Provided	MC Nylon	SUJ2	1 Hex Nut (S45C Carbon Steel, Black Oxide)
CFFRUSS	CFRUSH			SUS440C Equivalent	

⊙ Operating Temperature
50°C or less (Reference)

■ (d5 - 10) Hex Socket on Head




■ (d12, 16) Hex Socket on Head and Thread



Part Number	Type	D Selectable	MxPitch	B	B ₁	L	d	l	l ₁	H	Allowable Load (N)	Allowable Rotational Speed (rpm)	Mass (g)	Unit Price		
														CFFRUDS	CFFRUSS	CFRUH
(Hex Socket on Head) CFFRUDS CFFRUSS	5	0	13	5x0.8	9	10	23	7.5	-	3	88	2520	13	-	-	-
	6	-0.012	16	6x1.0	11	12	28	9	-	3	112	2210	22	-	-	-
	8	0	19	8x1.25	12	13	32	11	-	4	122	1960	33	-	-	-
	10	-0.015	22	10x1.25	12	13	36	13	-	5	120	1760	50	-	-	-
(Hex Socket on Head and Thread) CFRUH CFRUSH	12	0	30	12x1.5	14	15	40	3	14	6	156	1390	95	-	-	-
	12	-0.018	32	12x1.5	14	15	40	3	14	6	150	1320	113	-	-	-
	16	0	35	16x1.5	18	19.5	52	18	8	6	192	1230	181	-	-	-
	16	-0.018	35	16x1.5	18	19.5	52	18	8	6	192	1230	181	-	-	-

- ⊙ Values of allowable load are values when speed = 10km/h.
- ⊙ For Standard Type, resin expands and may come off easily in high temperature. Avoid storing in high temperature.
- ⊙ For Hex Socket on Head, no grease replenishing hole is provided.
- ⊙ The standards of d12, 16 has been modified to those with the hex socket on the head and thread.

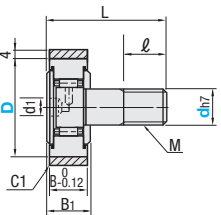
■ **Flat**



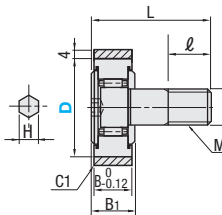
Type			Seal	Material		Accessory
(d5-10) Straight Slot	(d5-10) Hex Socket on Head	(d12, 16) Hex Socket on Head and Thread		Plastic	Cam Followers	
CFFRUC	CFFRUCS	CFFUH	Provided	MC Nylon	SUJ2	1 Hex Nut (S45C Carbon Steel, Black Oxide)
-	CFFRUSS	CFFUSH			SUS440C Equivalent	

⊙ Operating Temperature
50°C or less (Reference)

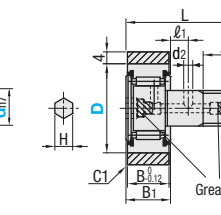
■ (d5 - 10) Straight Slot



■ (d5 - 10) Hex Socket on Head



■ (d12, 16) Hex Socket on Head and Thread



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				
															CFFRUC	CFFRUCS	CFFRUSS	CFRUH	CFFUSH
(Straight Slot) CFFRUC	5	0	13	5x0.8	9	10	23	3.1	7.5	-	3	88	2520	13	-	-	-	-	-
	6	-0.012	16	6x1.0	11	12	28	4	9	-	3	112	2210	22	-	-	-	-	-
	8	0	19	8x1.25	12	13	32	11	11	-	4	122	1960	33	-	-	-	-	-
	10	-0.015	22	10x1.25	12	13	36	13	13	-	5	120	1760	50	-	-	-	-	-
(Hex Socket on Head and Thread) CFRUH CFRUSH	12	0	30	12x1.5	14	15	40	-	3	14	6	156	1390	95	-	-	-	-	-
	12	-0.018	32	12x1.5	14	15	40	-	3	14	6	150	1320	113	-	-	-	-	-
	16	0	35	16x1.5	18	19.5	52	-	18	8	6	192	1230	181	-	-	-	-	-
	16	-0.018	35	16x1.5	18	19.5	52	-	18	8	6	192	1230	181	-	-	-	-	-

- ⊙ Values of allowable load are values when speed = 10km/h.
- ⊙ For Standard Type, resin expands and may come off easily in high temperature. Avoid storing in high temperature.
- ⊙ For Straight Slot, grease hole is provided on the head only. For Hex Socket on Head, no grease replenishing hole is provided.
- ⊙ The standards of d12, 16 has been modified to those with the hex socket on the head and thread.


Ordering Example: Part Number - D
CFFRUCT12 - 32

Plastic Cam Followers

Retaining Ring

■ **Features:** After plastic is press-fit into the outer ring of cam follower, the sleeve is retained by retaining ring.

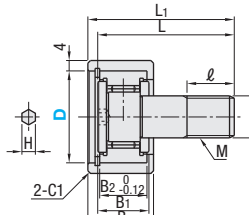
■ **Flat**



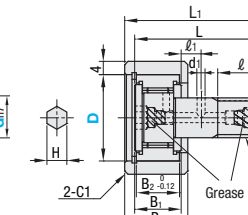
Type		Seal	Material		Accessory
(d8, 10) Hex Socket on Head	(d12, 16) Hex Socket on Head and Thread		Plastic	Cam Followers	
CFFRUCT	CFFUHW	Provided	MC Nylon	SUJ2	1 Hex Nut (S45C Carbon Steel, Black Oxide)
CFFRUCTS	CFFUSHW			SUS440C Equivalent	

⊙ Operating Temperature
80°C or less

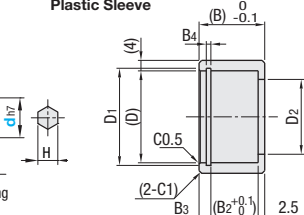
■ (d8, 10) Hex Socket on Head



■ (d12, 16) Hex Socket on Head and Thread



(Reference) Plastic Sleeve



Part Number	Type	D Selectable	MxPitch	l	B	B ₁	B ₂	B ₃	B ₄	D ₁ Tolerance	D ₂	L	L ₁	d ₁	d ₂	l ₁	H	Allowable Load (N)	Allowable Rotational Speed (rpm)	Mass (g)	Unit Price			
																					CFFRUCT	CFFRUCTS	CFFUHW	CFFUSHW
(Hex Socket on Head) CFFRUCT CFFRUCTS	8	0	19	8x1.25	11	17	12	11	3.5	1.1	20	+0.15	16	32	35	-	-	4	518	1960	35	-	-	-
	10	-0.015	22	10x1.25	13	18	13	12	3.5	23	0	18	36	39	4	-	-	5	594	1760	53	-	-	-
	10	0	26	10x1.25	13	18	13	12	3.5	+0.08	27.2	+0.2	18	36	39	4	-	-	5	637	1560	71	-	-
(Hex Socket on Head and Thread) CFFUHW CFFUSHW	12	0	30	12x1.5	14	21	15	14	4.5	1.3	31.4	+0.25	23.5	40	44	-	3	6	499	1390	100	-	-	-
	12	-0.018	32	12x1.5	14	21	15	14	4.5	33.7	0	28.5	52	56.75	8	-	6	6	513	1320	119	-	-	-
	16	0	35	16x1.5	18	26	19.5	18	5.5	+0.10	37	0	28.5	52	56.75	8	-	6	686	1230	187	-	-	-

- ⊙ Values of allowable load are values when speed = 10km/h.
- ⊙ For Hex Socket on Head, no grease replenishing hole is provided.
- ⊙ The standards of d12, 16 has been modified to those with the hex socket on the head and thread.

Ordering Example: Part Number - D
CFFRUCT10 - 26

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
Plastic	CFFRUC	CFFRUCS	CFFUH
	-	CFFRUCS	CFFUH
	-	CFFRUSS	CFRUH
	-	CFFRUSS	CFRUH
	-	CFFRUSS	CFRUSH
	-	CFFRUSS	CFRUSH

Plastic Cam Followers - Plastic Sleeve Retention Test
Test data when a load is applied from the upper part of the cam follower at a constant speed. Loads when the plastic sleeves came off more than 0.5mm are shown. Travel distance is (speed ≤ 4.5km/h) = 1km, (speed > 4.5km/h) = 2km.

* Load beyond limit, rotary speed and unbalanced load may cause a plastic sleeve to come off.
* Data below are for reference, not guaranteed.

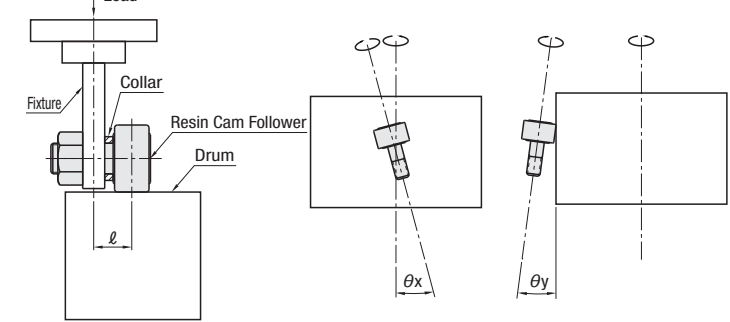
■ Press Fitting Load Room Temperature 21°C θx=0°, θy=0° Unit: (N)

Type	d	D Selectable	l	Speed km/h					
				1.8	3.6	4.5	5	6	10
CFFRUC CFFRUCS CFFRUSS CFFRUSS CFFRUSS	5	13	9	250	250	225	190	125	125
	6	16	11.5	300	300	250	220	180	160
	8	19	11.7	330	310	275	240	180	175
	10	22	14	350	325	300	265	195	185
	12	30	17.8	400	380	350	300	210	193
	16	35	20.5	470	450	400	350	260	250

■ Retaining Ring type Load Unit: (N)

Type	d	D	l	Speed km/h
				10
CFFRUCT CFFRUCTS	8	19	14.2	576
	10	22	16.5	660
	10	26	16.5	708
	12	30	20.3	588
	16	35	23	604

■ Testing Method Overview Load ⊙ Inclination of Plastic Cam Followers should be 0.



[Material Properties]

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

⊙ For Urethane Cam Followers, P.1051.