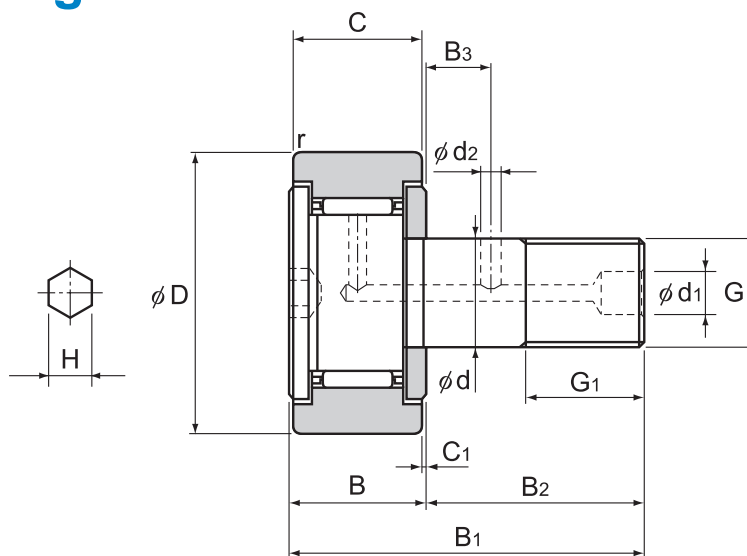


Cam Follower with Hexagon Socket Model CF-A

Optional specifications		Symbol
Roller guide	With cage	No Symbol
	Full rollers	V
Material	Carbon steel	No Symbol
	Stainless steel	M
Seal	Without seal	No Symbol
	With seal	UU
Outer ring shape	Cylindrical outer ring	No Symbol
	Spherical outer ring	R



Stud diameter d	Model No.	Main dimensions													
		Outer diameter D	Outer ring width C	Threaded G	G ₁	B	Overall length B ₁	B ₂	B ₃	C ₁	d ₁	d ₂	H*	r _{sm}	Shoulder height f (Min.)
3	CF 3-A	10	7	M3×0.5	5	8	17	9	—	0.5	—*	—	2 (1.5)	0.2	6.8
4	CF 4-A	12	8	M4×0.7	6	9	20	11	—	0.5	—*	—	2.5 (2)	0.3	8.6
5	CF 5-A	13	9	M5×0.8	7.5	10	23	13	—	0.5	—*	—	3 (2.5)	0.3	9.7
6	CF 6-A	16	11	M6×1	8	12	28	16	—	0.6	—*	—	3	0.3	11
8	CF 8-A	19	11	M8×1.25	10	12	32	20	—	0.6	—*	—	4	0.3	13
10	CF 10-A	22	12	M10×1.25	12	13	36	23	—	0.6	—*	—	5	0.3	15
10	CF 10-1-A	26	12	M10×1.25	12	13	36	23	—	0.6	—*	—	5	0.3	15
12	CF 12-A	30	14	M12×1.5	13	15	40	25	6	0.6	6	3	6	0.6	20
12	CF 12-1-A	32	14	M12×1.5	13	15	40	25	6	0.6	6	3	6	0.6	20
16	CF 16-A	35	18	M16×1.5	17	19.5	52	32.5	8	0.8	6	3	6	0.6	24
18	CF 18-A	40	20	M18×1.5	19	21.5	58	36.5	8	0.8	6	3	6	1	26
20	CF 20-A	52	24	M20×1.5	21	25.5	66	40.5	9	0.8	8	4	8	1	36
20	CF 20-1-A	47	24	M20×1.5	21	25.5	66	40.5	9	0.8	8	4	8	1	36
24	CF 24-A	62	29	M24×1.5	25	30.5	80	49.5	11	0.8	8	4	8	1	40
24	CF 24-1-A	72	29	M24×1.5	25	30.5	80	49.5	11	0.8	8	4	8	1	40
30	CF 30-A	80	35	M30×1.5	32	37	100	63	15	1	8	4	8	1	46
30	CF 30-1-A	85	35	M30×1.5	32	37	100	63	15	1	8	4	8	1	46
30	CF 30-2-A	90	35	M30×1.5	32	37	100	63	15	1	8	4	8	1	46

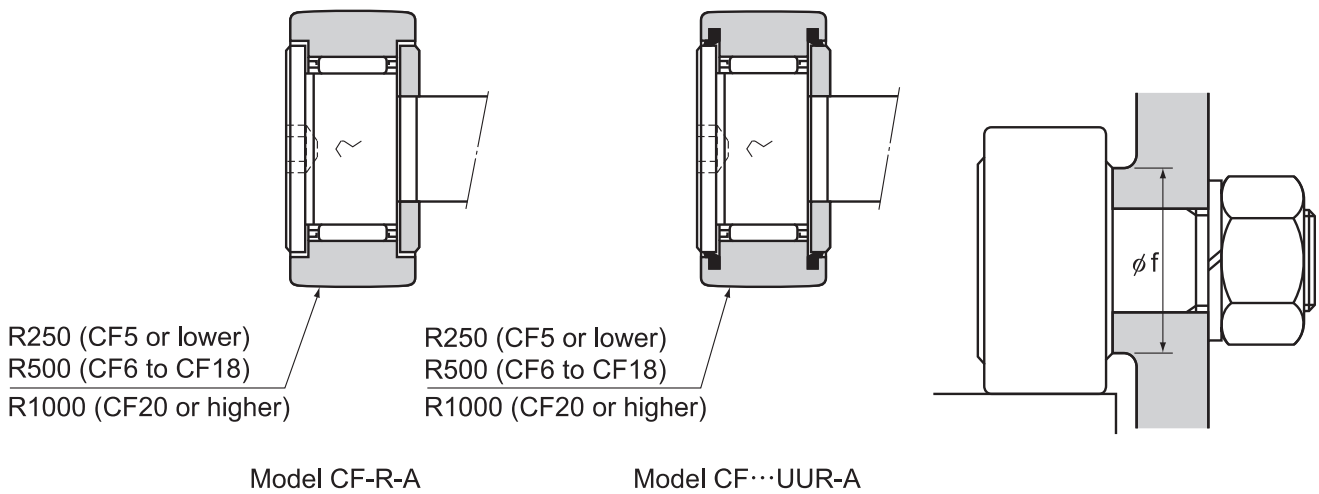
Note) For information on accuracy standards, please refer to **A19-14**.
Those models marked with “*” do not have a greasing hole and cannot be replenished with grease.

Model number coding

CF12 V M UU R -A N

Model No.
 No symbol: With cage
 V : Full-roller Type
 No symbol: Carbon steel
 M : Stainless steel
 no symbol: without seal
 UU : With seal
 No symbol: No grease nipple
 N : Dedicated grease nipple included (see **A19-39**)
 Stud head with a hexagon socket
 No Symbol : Cylindrical outer ring
 R : Spherical outer ring

Note) Full-roller Type is applicable for Stud Diameter 6 to 30.



Unit: mm

	Basic load rating				Maximum permissible load F_0 kN	Track load capacity		Rotational speed limit *		Mass	
	With cage		Full rollers			Cylindrical outer ring kN	Spherical outer ring kN	With cage min^{-1}	Full rollers min^{-1}	With cage g	Full rollers g
	C kN	C_0 kN	C kN	C_0 kN							
	1.47	1.18	—	—	0.36	1.37	0.37	47000	—	4.5	—
	2.06	2.05	—	—	0.78	1.76	0.47	37000	—	7.5	—
	3.14	2.77	—	—	1.42	2.25	0.53	29000	—	10.5	—
	3.59	3.58	6.94	8.5	2.11	3.43	1.08	25000	11000	18.5	19
	4.17	4.65	8.13	11.2	4.73	4.02	1.37	20000	8700	28.5	29
	5.33	6.78	9.42	14.3	5.81	4.7	1.67	17000	7200	45	46
	5.33	6.78	9.42	14.3	5.81	5.49	2.06	17000	7200	60	61
	7.87	9.79	13.4	19.8	9.37	7.06	2.45	14000	5800	105	107
	7.87	9.79	13.4	19.8	9.37	7.45	2.74	14000	5800	115	117
	12	18.3	20.6	37.6	17.3	11.2	3.14	10000	4500	205	207
	14.7	25.2	25.2	51.3	26.1	14.4	3.72	8500	3800	295	300
	20.7	34.8	33.2	64.8	32.1	23.2	8.23	7000	3400	525	530
	20.7	34.8	33.2	64.8	32.1	21	7.15	7000	3400	450	455
	30.6	53.2	46.7	92.9	49.5	34.2	10.5	6500	2900	915	925
	30.6	53.2	46.7	92.9	49.5	39.8	12.9	6500	2900	1150	1160
	45.4	87.6	67.6	145	73.7	52.6	14.9	5000	2300	1880	1890
	45.4	87.6	67.6	145	73.7	56	16.1	5000	2300	1950	1960
	45.4	87.6	67.6	145	73.7	59.3	17.3	5000	2300	2000	2010

Note1) "★" indicates that the dimensions in the parentheses in this row apply to stainless steel types.

The rotation speed limit value in the table (*) applies to models that have no seal and use grease lubrication. With those models using oil lubrication, up to 130% of this value is permitted. With those attached with seals, up to 70% of this value is permitted.

Note2) Models CFH24A through CFH30-2A (excluding those made of stainless steel) are equipped with a plug fitted into a through hole connecting the oil hole to the base of the hexagonal socket (see ϕd_1 and ϕd_2 in the figure on **A19-20**), to keep grease from leaking out of the socket. When applying grease, make sure the plug is not dislodged from the base of the hexagonal socket by excessive pressure. During greasing, take care to ensure that the plug is not forced out of the hexagon socket by excessive pressure.

