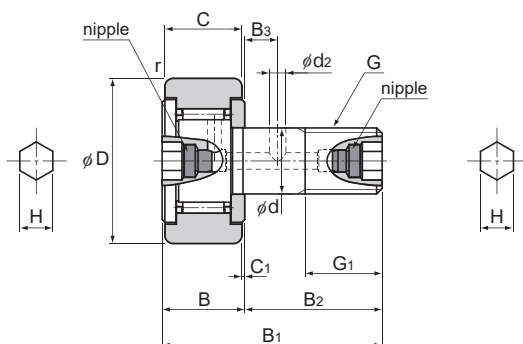


Model CF-AB Cam Follower with Grease Nipple

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		Main dimensions												
		Outer diameter	Outer ring width	Threaded			Overall length							Shoulder height f (Min.)
d	Model No.	D	C	G	G ₁	B	B ₁	B ₂	B ₃	C ₁	d ₂	H	r _{min}	
12	CF 12-AB	30	14	M12×1.5	13	15	40	25	6	0.6	3	6	0.6	20
12	CF 12-1-AB	32	14	M12×1.5	13	15	40	25	6	0.6	3	6	0.6	20
16	CF 16-AB	35	18	M16×1.5	17	19.5	52	32.5	8	0.8	3	6	0.6	24
18	CF 18-AB	40	20	M18×1.5	19	21.5	58	36.5	8	0.8	3	6	1	26
20	CF 20-AB	52	24	M20×1.5	21	25.5	66	40.5	9	0.8	4	8	1	36
20	CF 20-1-AB	47	24	M20×1.5	21	25.5	66	40.5	9	0.8	4	8	1	36
24	CF 24-AB	62	29	M24×1.5	25	30.5	80	49.5	11	0.8	4	8	1	40
24	CF 24-1-AB	72	29	M24×1.5	25	30.5	80	49.5	11	0.8	4	8	1	40
30	CF 30-AB	80	35	M30×1.5	32	37	100	63	15	1	4	8	1	46
30	CF 30-1-AB	85	35	M30×1.5	32	37	100	63	15	1	4	8	1	46
30	CF 30-2-AB	90	35	M30×1.5	32	37	100	63	15	1	4	8	1	46

Note: For information on accuracy standards, please refer to **A19-14**.

Model number coding

CF12 V M UU R -AB

Model No.

No symbol: With cage
V : Full-roller Type

No symbol: Carbon steel
M : Stainless steel

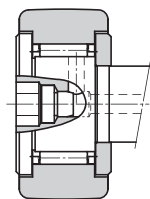
UU

No symbol: Without seal
UU : With seal

Stud With Hexagonal Socket At Both Ends

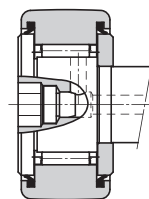
No Symbol : Cylindrical outer ring
R : Spherical outer ring

Note: For accessories, see **A19-38**.



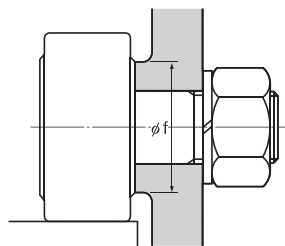
R500 (CF12 to CF18)
R1000 (CF20 or higher)

Model CF-R-AB



R500 (CF12 to CF18)
R1000 (CF20 or higher)

Model CF-UUR-AB



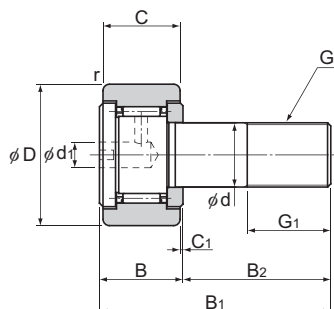
Unit: mm

	Basic Load Rating				Maximum permissible load F ₀ kN	Track Load Capacity		Rotational speed limit ¹		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							
	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

¹ 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.

Model CF (Popular Type)

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



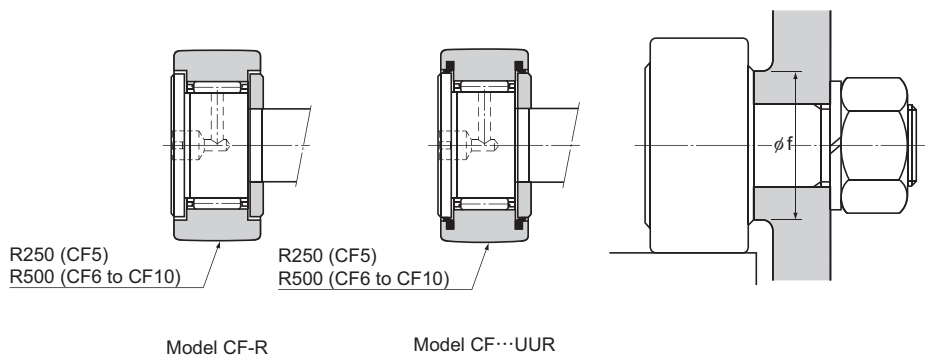
Stud diameter		Main dimensions										
		Outer diameter	Outer ring width	Threaded			Overall length					Shoulder height f (Min.)
d	Model No.	D	C	G	G ₁	B	B ₁	B ₂	C ₁	d ₁	r _{min}	(Min.)
5	CF 5	13	9	M5×0.8	7.5	10	23	13	0.5	3.1	0.3	9.7
6	CF 6	16	11	M6×1	8	12	28	16	0.6	4	0.3	11
8	CF 8	19	11	M8×1.25	10	12	32	20	0.6	4	0.3	13
10	CF 10	22	12	M10×1.25	12	13	36	23	0.6	4	0.3	15
10	CF 10-1	26	12	M10×1.25	12	13	36	23	0.6	4	0.3	15

Note: For information on accuracy standards, please refer to **A19-14**.

Model number coding

CF6	V	M	UU	R	-N
Model No.					
No symbol: With cage					No symbol: No grease nipple
V : Full-roller Type					N : Dedicated grease nipple included (See A19-39)
No symbol: Carbon steel					
M : Stainless steel					
No symbol: without seal					No Symbol : Cylindrical outer ring
UU : With seal					R : Spherical outer ring

Note: For accessories, please refer to **A19-38**.

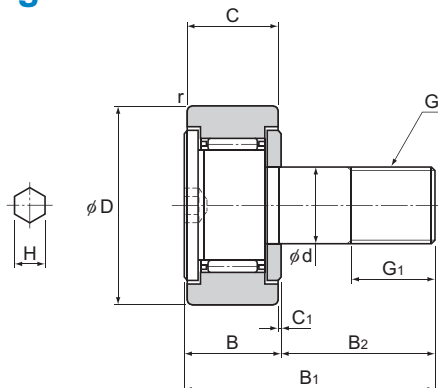


	Basic load rating				Maximum permissible load F ₀ kN	Track load capacity		Rotational speed limit ¹		Mass	
	With cage		Full rollers			Cylindrical outer ring kN	Spherical outer ring kN	With cage min ⁻¹	Full rollers min ⁻¹	With cage g	Full rollers g
	C kN	C ₀ kN	C kN	C ₀ kN							
	3.14	2.77	5.1	5.5	1.42	2.25	0.53	29000	11600	10.5	11
	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

¹ 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.

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	Model No.	Main dimensions										
		Outer diameter	Outer ring width	Threaded			Overall length					Shoulder height f (Min.)
d	Model No.	D	C	G	G ₁	B	B ₁	B ₂	C ₁	H'	r _{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

Notes: For information on accuracy standards, please refer to **A19-14**.

Those models do not have a lubrication hole and cannot be replenished with grease.

Model number coding

CF10 V M UU R -A

Model No.

No symbol: With cage

V

: Full-roller Type

No symbol: Carbon steel

M

: Stainless steel

No symbol: without seal

UU

: With seal

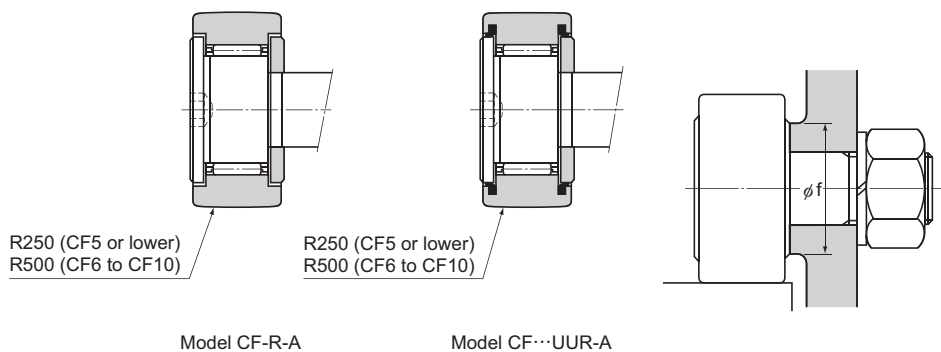
Stud head with a hexagon socket

No Symbol : Cylindrical outer ring

R

: Spherical outer ring

Note: For accessories, please refer to **A19-38**.



	Basic load rating				Maximum permissible load F ₀ kN	Track load capacity		Rotational speed limit ²		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	2.8	2.5	0.36	1.37	0.37	47000	18800	4.5	5
	2.06	2.05	4	4.3	0.78	1.76	0.47	37000	14800	7.5	8
	3.14	2.77	5.1	5.5	1.42	2.25	0.53	29000	11600	10.5	11
	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

¹ The dimensions in the parentheses apply to stainless steel types.

² 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.