

McGILL® CRES CAMROL Bearings

CRES Bearings



Basic Construction Type: Stud Type 400 Series Stainless Steel

Rolling Elements: Full Complement Needle 400 Series Corrosion Resistant Steel

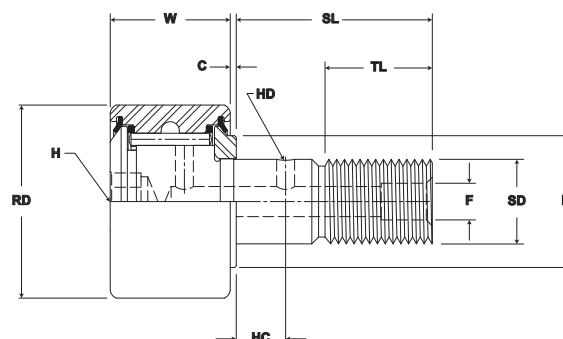
Seal Type: LUBRI-DISC (7/8" & smaller)
LUBRI-DISC+ (1" & larger)

Lubrication: H1 Food Grade Grease

System Configuration: Concentric / Eccentric Stud

Mounting Feature: Hex Hole

Dimensional Interchange: Standard Camrol

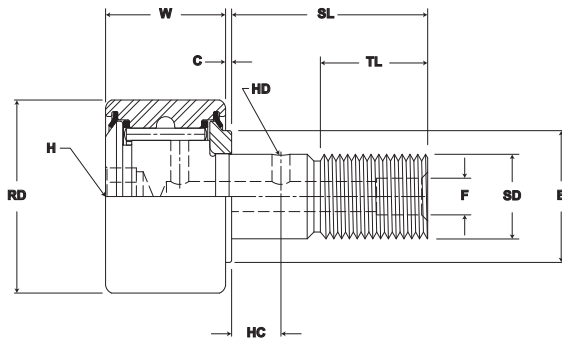


CF-CR Series (continued)

Part No.	RD		W		SD		SL	C	TL	L	ECC	G	BD	Track Roller Dynamic Rating	Track Roller Static Rating		
With Lubri-Disc Seals	Roller Diameter		Roller Width		Stud Diameter		Stud Length	Endplate Extension	Minimum Thread Length	Length Overall	Eccentric					lb/N	lb/N
	inch mm		inch mm		inch mm		inch mm		inch mm		inch mm						
	Nom.	Tol.	Nom.	Tol.	Nom.	Tol.	(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	+0/-.001	±.001				
CF 1 1/4 SB CR	1.250 31.75	+0/- .001 +0/- .03	.750 19.05	+0/- .001 +0/- .03	.500 12.70	+0/- .001 +0/- .03	1.25 31.8	.03 .8	.625 15.9	2.03 51.6	N/A	N/A	N/A	2,300 10,230	3,650 16,235		
CFE 1 1/4 SB CR											.030 .76	.625 15.8	.687 17.4				
CF 1 3/8 SB CR	1.375 34.93	+0/- .001 +0/- .03	.750 19.05	+0/- .001 +0/- .03	.500 12.70	+0/- .001 +0/- .03	1.25 31.8	.03 .8	.625 15.9	2.03 51.6	N/A	N/A	N/A	2,300 10,230	3,650 16,235		
CFE 1 3/8 SB CR											.030 .76	.625 15.8	.687 17.4				
CF 1 1/2 SB CR	1.500 38.10	+0/- .001 +0/- .03	.875 22.23	+0/- .001 +0/- .03	.625 15.88	+0/- .001 +0/- .03	1.50 38.1	.03 .8	.75 19.1	2.41 61.1	N/A	N/A	N/A	4,000 17,792	4,400 19,571		
CFE 1 1/2 SB CR											.030 .76	.75 19.1	.875 22.2				
CF 1 5/8 SB CR	1.625 41.28	+0/- .001 +0/- .03	.875 22.23	+0/- .001 +0/- .03	.625 15.88	+0/- .001 +0/- .03	1.50 38.1	.03 .8	.75 19.1	2.41 61.1	N/A	N/A	N/A	4,000 17,792	4,400 19,571		
CFE 1 5/8 SB CR											.030 .76	.75 19.1	.875 22.2				
CF 1 3/4 SB CR	1.750 44.45	+0/- .001 +0/- .03	1.000 25.40	+0/- .001 +0/- .03	.750 19.05	+0/- .001 +0/- .03	1.75 44.5	.03 .8	.875 22.2	2.78 70.6	N/A	N/A	N/A	6,000 26,688	5,550 24,686		
CFE 1 3/4 SB CR											.030 .76	.875 22.2	1 25.4				
CF 1 7/8 SB CR	1.875 47.63	+0/- .001 +0/- .03	1.000 25.40	+0/- .001 +0/- .03	.750 19.05	+0/- .001 +0/- .03	1.75 44.5	.03 .8	.875 22.2	2.78 70.6	N/A	N/A	N/A	6,000 26,688	5,550 24,686		
CFE 1 7/8 SB CR											.030 .76	.875 22.2	1 25.4				
CF 2 SB CR	2.000 50.80	+0/- .001 +0/- .03	1.250 31.75	+0/- .001 +0/- .03	.875 22.23	+0/- .001 +0/- .03	2.00 50.8	.03 .8	2.00 50.8	3.28 83.3	N/A	N/A	N/A	8,200 36,474	6,750 30,024		
CFE 2 SB CR											.030 .76	1 25.4	1.187 30.1				
CF 2 1/4 SB CR	2.250 57.15	+0/- .001 +0/- .03	1.250 31.75	+0/- .001 +0/- .03	.875 22.23	+0/- .001 +0/- .03	2.00 50.8	.03 .8	2.00 50.8	3.28 83.3	N/A	N/A	N/A	8,200 36,474	6,750 30,024		
CFE 2 1/4 SB CR											.030 .76	1 25.4	1.187 30.1				

Note:

1. Clamping torque is based on lubricated threads. If threads are dry, double the value listed.
2. Since load, lubrication method, temperature and other factors affect the maximum operating speed, it is impossible to determine precise limiting speeds. The listed limiting speeds are based on lightly loaded bearings having adequate lubrication and are listed only as a design guide. More frequent relubrication is required when operating at higher speeds. Actual bearing testing in the specific application should be conducted if the operating speed approaches the listed limiting speed.
3. Use track roller dynamic load rating for life calculations. Maximum dynamic load should not exceed 50% of track roller dynamic load rating. If radial load and/or root mean load exceed 50% of track roller dynamic load rating, life calculations must be reviewed by Application Engineering. If dynamic loads exceed 25% of basic dynamic rating, consideration should be given to use of CYR CRES series CAMROL bearing. For more information please contact Application Engineering (800) 626-2093.
4. The track roller static load rating is based on stud strength. Exceeding the static load rating may impair subsequent dynamic operation.



CF-CR Series (continued)

Part No.	HC	HD	F	H	E	Ro	Housing Bore Diameter		Thread Type	Clamping Torque	Limiting Speed	WT
With Lubri-Disc Seals	Hole Center	Radial Hole Diameter	Lub. Hole Dia / Fitting	Hex Hole	Min Boss Diameter	Outer Corner Radius						Bearing Weight
				Suffix XX-B			inch mm	inch mm		inch mm	Nom.	Tol.
CF 1 1/4 SB CR	.31 7.9	.09 2.4	.19 4.8	.250 6.4	.76 19.4	.03 .8	.5003 12.708	+ .0002/- .0003 + .0005/- .0008	1/2-20	175 20	3,100	.30 .14
CFE 1 1/4 SB CR							.690 17.53	+0.001/-0.001 +0.025/-0.025				
CF 1 3/8 SB CR	.31 7.9	.09 2.4	.19 4.8	.250 6.4	.76 19.4	.05 1.2	.5003 12.708	+ .0002/- .0003 + .0005/- .0008	1/2-20	175 20	2,800	.35 .16
CFE 1 3/8 SB CR							.690 17.53	+0.001/-0.001 +0.025/-0.025				
CF 1 1/2 SB CR	.38 9.5	.09 2.4	.19 4.8	.3125 7.9	.89 22.6	.06 1.6	.6253 15.883	+ .0002/- .0003 + .0005/- .0008	5/8-18	325 37	2,500	.52 .24
CFE 1 1/2 SB CR							.878 22.30	+0.001/-0.001 +0.025/-0.025				
CF 1 5/8 SB CR	.38 9.5	.09 2.4	.19 4.8	.3125 7.9	.89 22.6	.06 1.6	.6253 15.883	+ .0002/- .0003 + .0005/- .0008	5/8-18	325 37	2,350	.60 .27
CFE 1 5/8 SB CR							.878 22.30	+0.001/-0.001 +0.025/-0.025				
CF 1 3/4 SB CR	.44 11.1	.09 2.4	.19 4.8	.3125 7.9	1.05 26.6	.06 1.6	.7503 19.058	+ .0002/- .0003 + .0005/- .0008	3/4-16	625 71	2,200	.84 .38
CFE 1 3/4 SB CR							1.003 25.48	+0.001/-0.001 +0.025/-0.025				
CF 1 7/8 SB CR	.44 11.1	.09 2.4	.19 4.8	.3125 7.9	1.05 26.6	.06 1.6	.7503 19.058	+ .0002/- .0003 + .0005/- .0008	3/4-16	625 71	2,000	.95 .43
CFE 1 7/8 SB CR							1.003 25.48	+0.001/-0.001 +0.025/-0.025				
CF 2 SB CR	.50 12.7	.13 3.2	.19 4.8	.4375 11.1	1.20 30.6	.09 2.4	.8753 22.233	+ .0002/- .0003 + .0005/- .0008	7/8-14	750 85	1,400	1.36 .62
CFE 2 SB CR							1.190 30.23	+0.001/-0.001 +0.025/-0.025				
CF 2 1/4 SB CR	.50 12.7	.13 3.2	.19 4.8	.4375 11.1	1.20 30.6	.09 2.4	.8753 22.233	+ .0002/- .0003 + .0005/- .0008	7/8-14	750 85	1,300	1.65 .75
CFE 2 1/4 SB CR							1.190 30.23	+0.001/-0.001 +0.025/-0.025				

Metric dimensions for reference only.

Not all parts are available from stock. Please contact customer service for availability (800) 626-2120.

For more information on bearing capabilities outside of our standard offering, please contact Application Engineering (800) 626-2093.