

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

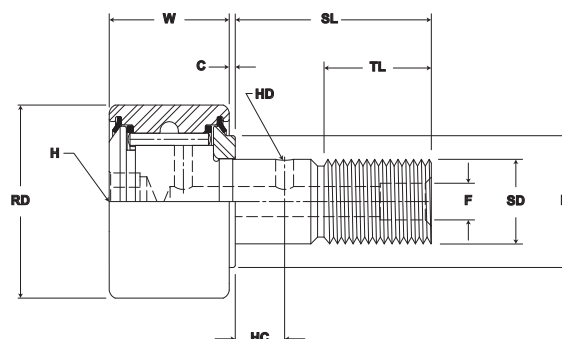
Seal Type: LUBRI-DISC (7/8" & smaller)
LUBRI-DISC+ (1" & larger)

Lubrication: H1 Food Grade Grease

System Configuration: Concentric / Eccentric Stud

Mounting Feature: Hex Hole

Dimensional Interchange: Standard Camrol

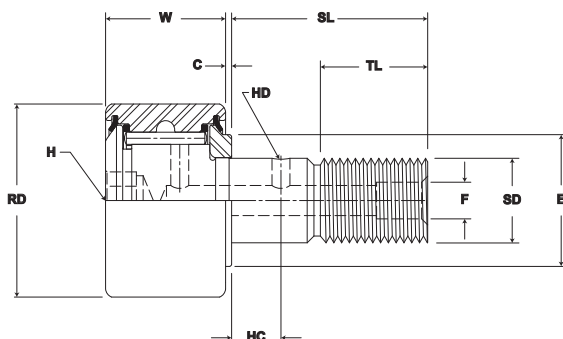


CF-CR Series

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				
	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 1/2 SB CR	.500	+0/- .001	.375	+0/- .001	.190	+0/- .001	.625	.03	.25	1.03	N/A	N/A	N/A	610 2,730	300 1,340
CFE 1/2 SB CR	12.70	+0/- .03	9.53	+0/- .03	4.826	+0/- .03	15.88	.8	6.35	26.2	.010 .25	.375 9.5	.25 6.4		
CF 9/16 SB CR	.5625	+0/- .001	.375	+0/- .001	.190	+0/- .001	.625	.03	.25	1.03	N/A	N/A	N/A	610 2,730	300 1,340
CFE 9/16 SB CR	14.29	+0/- .03	9.53	+0/- .03	4.826	+0/- .03	15.88	.8	6.35	26.2	.010 .25	.375 9.5	.25 6.4		
CF 5/8 SB CR	.625	+0/- .001	.438	+0/- .001	.250	+0/- .001	.750	.03	.3125	1.22	N/A	N/A	N/A	860 3,850	600 2,680
CFE 5/8 SB CR	15.88	+0/- .03	11.13	+0/- .03	6.35	+0/- .03	19.05	.8	7.94	30.9	.015 .38	.437 11.1	.375 9.5		
CF 11/16 SB CR	.6875	+0/- .001	.438	+0/- .001	.250	+0/- .001	.750	.03	.3125	1.22	N/A	N/A	N/A	860 3,850	600 2,680
CFE 11/16 SB CR	17.46	+0/- .03	11.13	+0/- .03	6.35	+0/- .03	19.05	.8	7.94	30.9	.015 .38	.437 11.1	.375 9.5		
CF 3/4 SB CR	.750	+0/- .001	.500	+0/- .001	.375	+0/- .001	.875	.03	.375	1.41	N/A	N/A	N/A	1,500 6,672	1,580 7,028
CFE 3/4 SB CR	19.05	+0/- .03	12.70	+0/- .03	9.53	+0/- .03	22.2	.8	9.5	35.7	.015 .38	.500 12.7	.500 12.7		
CF 7/8 SB CR	.875	+0/- .001	.500	+0/- .001	.375	+0/- .001	.875	.03	.375	1.41	N/A	N/A	N/A	1,500 6,672	1,580 7,028
CFE 7/8 SB CR	22.23	+0/- .03	12.70	+0/- .03	9.53	+0/- .03	22.2	.8	9.5	35.7	.015 .38	.500 12.7	.500 12.7		
CF 1 SB CR	1.000	+0/- .001	.625	+0/- .001	.4375	+0/- .001	1.00	.03	.50	1.66	N/A	N/A	N/A	1,800 8,006	2,040 9,074
CFE 1 SB CR	25.40	+0/- .03	15.88	+0/- .03	11.11	+0/- .03	25.4	.8	12.7	42.1	.030 .76	.500 12.7	.625 15.8		
CF 1 1/8 SB CR	1.125	+0/- .001	.625	+0/- .001	.4375	+0/- .001	1.00	.03	.50	1.66	N/A	N/A	N/A	1,800 8,006	2,040 9,074
CFE 1 1/8 SB CR	28.58	+0/- .03	15.88	+0/- .03	11.11	+0/- .03	25.4	.8	12.7	42.1	.030 .76	.500 12.7	.625 15.8		

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

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 Suffix XX-B	Min Boss Diameter	Outer Corner Radius						Bearing Weight
	inch mm		inch mm		inch mm		inch mm			in-lb Nm	RPM	lb/kg
	(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	(Ref)	Nom.	Tol.				
CF 1/2 SB CR	-	-	-	.125 3.175	.29 7.5	.015 .38	.1903 4.833	+0.002/-0.003 +0.0005/-0.0008	10-32	8 .9	11,500	.04 .02
CFE 1/2 SB CR							.253 6.43	+0.001/-0.001 +0.025/-0.025				
CF 9/16 SB CR	-	-	-	.125 3.175	.29 7.5	.015 .38	.1903 4.833	+0.002/-0.003 +0.0005/-0.0008	10-32	8 .9	10,000	.04 .02
CFE 9/16 SB CR							.253 6.43	+0.001/-0.001 +0.025/-0.025				
CF 5/8 SB CR	-	-	-	.125 3.175	.36 9.1	.015 .38	.2503 6.358	+0.002/-0.003 +0.0005/-0.0008	1/4-28	18 2	9,200	.05 .02
CFE 5/8 SB CR							.378 9.601	+0.001/-0.001 +0.025/-0.025				
CF 11/16 SB CR	-	-	-	.125 3.175	.36 9.1	.015 .38	.2503 6.358	+0.002/-0.003 +0.0005/-0.0008	1/4-28	18 2	8,300	.06 .03
CFE 11/16 SB CR							.378 9.601	+0.001/-0.001 +0.025/-0.025				
CF 3/4 SB CR	.25 6.4	.09 2.4	.19 4.8	.1875 5	.500 12.70	.02 .4	.3753 9.533	+0.002/-0.003 +0.0005/-0.0008	3/8-24	48 5	6,400	.07 .03
CFE 3/4 SB CR							.503 12.77	+0.001/-0.001 +0.025/-0.025				
CF 7/8 SB CR	.25 6.4	.09 2.4	.19 4.8	.1875 5	.500 12.70	.02 .4	.3753 9.533	+0.002/-0.003 +0.0005/-0.0008	3/8-24	48 5	5,400	.09 .04
CFE 7/8 SB CR							.503 12.77	+0.001/-0.001 +0.025/-0.025				
CF 1 SB CR	.25 6.4	.09 2.4	.19 4.8	.250 6.4	.64 16.3	.03 .8	.4378 11.120	+0.002/-0.003 +0.0005/-0.0008	7/16-20	125 14	4,800	.17 .08
CFE 1 SB CR							.628 15.95	+0.001/-0.001 +0.025/-0.025				
CF 1 1/8 SB CR	.25 6.4	.09 2.4	.19 4.8	.250 6.4	.64 16.3	.03 .8	.4378 11.120	+0.002/-0.003 +0.0005/-0.0008	7/16-20	125 14	3,400	.19 .09
CFE 1 1/8 SB CR							.628 15.95	+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.