

MCG99

McGILL®

PRECISION BEARINGS



Experience The SM
POWER



EMERSON POWER TRANSMISSION

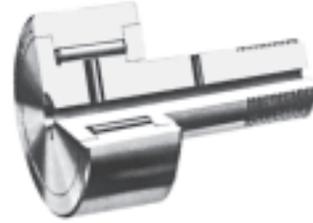
CF & CF-S SERIES

CF Series Standard

Sealed and unsealed bearings showing optional features available in combination as shown in the following table (see following page).

Illustrated are each of 4 possible options available on standard cam follower bearings. These may be combined to best serve any application and combinations regularly stocked are shown in the following tables. Others would be special and should be discussed with the McGill Engineering Department.

Maximum static load should not exceed the rating given in charts, or excessive permanent stud deflection will occur. Maximum dynamic load should not exceed 50% of Basic Dynamic Rating. If radial load and/or Root Mean Load exceed 50% of Basic Dynamic Rating, life calculations must be reviewed by McGill. If dynamic loads exceed 25% of Basic Dynamic Rating, consideration should be given to use of CFH or CYR series CAMROL® bearings. Applications involving reversing radial loads should be reviewed by the McGill Engineering Department.

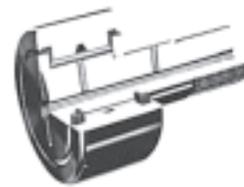


CF & CF-S Series

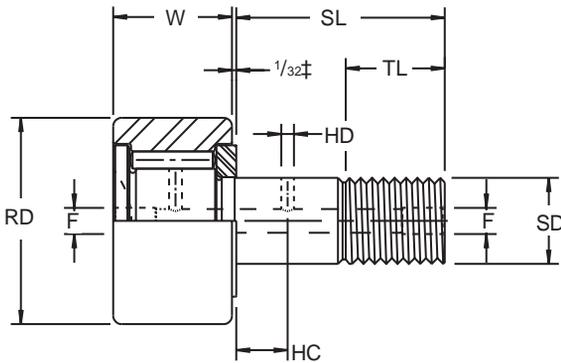
Cam followers with and without LUBRI-DISC® seals



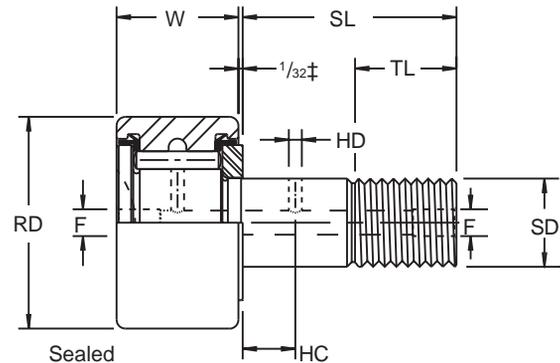
Unsealed



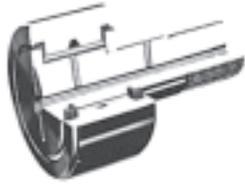
With LUBRI-DISC seals



±1/16" on CF-5, CF-6, CF-7



±1/16" on CF-5-S, CF-6-S, CF-7-S



With LUBRI-DISC® seals
add letter "S"
Ex. CF-1³/₄-S



Crowned O.D.
add letter "C"
Ex. CCF-1³/₄-S



Hex Hole
add letter "B"
Ex. CF-1³/₄-SB



Eccentric Stud
add letter "E"
Ex. CFE-1³/₄-SB

UNSEALED BRG. NO.	SEALED BRG. NO.	ROLLER DIA. (RD) +.000 - .001	ROLLER WIDTH (W) +.000 - .005	STUD DIA. (SD) +.001 - .001	STUD L'GTH. (SL)	MIN. THR'D L'GTH. (TL)	FINE THR'D S.	OIL HOLE		LUB. FITTING SIZE (F)*	MIN. BOSS DIA.	HOUSING BORE DIA. +.0002 - .0003	***RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
								HOLE CENTER (HC)	HOLE DIA. (HD)						
CF-1/2-N	CF-1/2-N-S	.500	.344	.190	1/2	1/4	10-32	-	-	1/8*	19/64	.1903	15	720	620
CF-1/2	CF-1/2-S	.500	.375	.190	5/8	1/4	10-32	-	-	1/8*	19/64	.1903	15	790	680
CF-9/16	CF-9/16-S	.5625	.375	.190	5/8	1/4	10-32	-	-	1/8*	19/64	.1903	15	790	680
CF-5/8-N	CF-5/8-N-S	.625	.406	.250	5/8	5/16	1/4-28	-	-	1/8*	23/64	.2503	35	1085	930
CF-5/8	CF-5/8-S	.625	.4375	.250	3/4	5/16	1/4-28	-	-	1/8*	23/64	.2503	35	1215	955
CF-11/16	CF-11/16-S	.6875	.4375	.250	3/4	5/16	1/4-28	-	-	1/8*	23/64	.2503	35	1215	955
CF-3/4	CF-3/4-S	.750	.500	.375	7/8	3/8	3/8-24	1/4	3/32	3/16	1/2	.3753	95	2065	1660
CF-7/8	CF-7/8-S	.875	.500	.375	7/8	3/8	3/8-24	1/4	3/32	3/16	1/2	.3753	95	2065	1660
CF-1	CF-1-S	1.000	.625	.4375	1	1/2	7/16-20	1/4	3/32	3/16	41/64	.4378	250	3060	2225
CF-1 1/8	CF-1 1/8-S	1.125	.625	.4375	1	1/2	7/16-20	1/4	3/32	3/16	41/64	.4378	250	3060	2225
CF-1 1/4	CF-1 1/4-S	1.250	.750	.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	49/64	.5003	350	4250	3930
CF-1 3/8	CF-1 3/8-S	1.375	.750	.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	49/64	.5003	350	4250	3930
CF-1 1/2	CF-1 1/2-S	1.500	.875	.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	57/64	.6253	650	5640	4840
CF-1 5/8	CF-1 5/8-S	1.625	.875	.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	57/64	.6253	650	5640	4840
CF-1 3/4	CF-1 3/4-S	1.750	1.000	.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1 3/64	.7503	1250	7920	6385
CF-1 7/8	CF-1 7/8-S	1.875	1.000	.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1 3/64	.7503	1250	7920	6385
CF-2	CF-2-S	2.000	1.250	.875	2	1	7/8-14	1/2	1/8	3/16	1 13/64	.8753	1500	10570	8090
CF-2 1/4	CF-2 1/4-S	2.250	1.250	.875	2	1	7/8-14	1/2	1/8	3/16	1 13/64	.8753	1500	10570	8090
CF-2 1/2	CF-2 1/2-S	2.500	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	1 5/16	1.0003	2250	16450	11720
CF-2 3/4	CF-2 3/4-S	2.750	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	1 5/16	1.0003	2250	16450	11720
CF-3	CF-3-S	3.000	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	1/4	1 3/4	1.2503	3450	24910	15720
CF-3 1/4	CF-3 1/4-S	3.250	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	1/4	1 3/4	1.2503	3450	24910	15720
CF-3 1/2	CF-3 1/2-S	3.500	2.000	1.375	2 3/4	1 3/8	1 3/8-12	11/16	1/8	1/4	1 59/64	1.3753	4200	31625	22800
CF-4	CF-4-S	4.000	2.250	1.500	3 1/2	1 1/2	1 1/2-12	3/4	1/8	1/4	2 9/32	1.5003	5000	44770	29985
	CF-5-S	5.000	2.750	2.000	5 1/16	2 9/16	2-12	7/8	3/16	1/4 N.P.T.	2 7/8	2.0003	5000	67950	46575
	CF-6-S	6.000	3.250	2.500	6	3	2 1/2-12	1	3/16	1/4 N.P.T.	3 3/8	2.5003	5000	80450	60000
	†CF-7-S	7.000	3.750	3.000	7 11/16	4 1/8	3-12	1 1/4	3/16	1/4 N.P.T.	3 7/8	3.0003	5000	106930	75380
	†CF-8-S ♦	8.000	4.250**	3.250	8 1/2	4 1/4	3 1/4-4*	-	-	1/4 N.P.T.*	4 3/4	3.2503	5000	144100	92200
	†CF-9-S ♦	9.000	4.750**	3.750	9 1/2	4 3/4	3 1/2-4*	-	-	1/4 N.P.T.*	5 7/16	3.7503	5000	183430	113260
	†CF-10-S♦	10.000	5.250**	4.250	10	4 3/4	3 1/2-4*	-	-	1/4 N.P.T.*	5 59/64	4.2503	5000	215565	131545

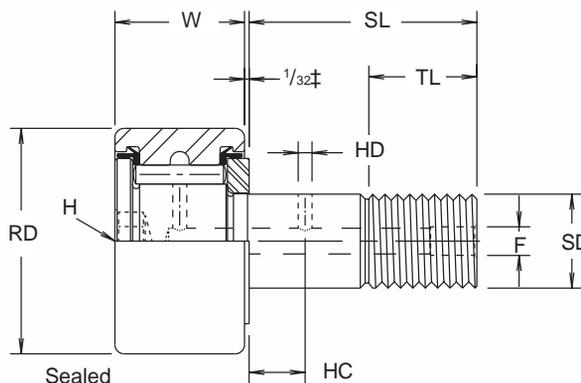
† Not available from stock. Consult McGill Customer Service for availability.
 ♦ Standard tolerances do not apply. Consult McGill Customer Service.
 * Oil hole (F) drilled from the flange end of the stud to the radial oil hole only.
 ** Flange extends 3/4" beyond face of outer race, and endplate extends 1/8" beyond face of outer race.
 *** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.
 • Coarse threads.

CF-B & CF-SB SERIES

**Cam followers with hex holes,
with and without LUBRI-DISC® seals**



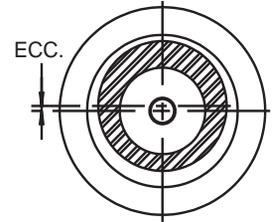
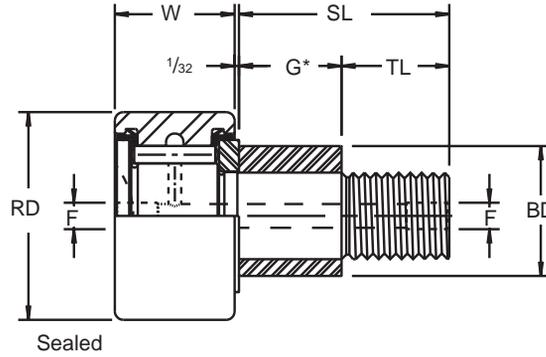
See page 15 for hex wrench sizes.



UNSEALED BRG. NO.	SEALED BRG. NO.	ROLLER DIA. (RD) +.000 -0.001	ROLLER WIDTH (W) +.000 -0.005	STUD DIA. (SD) +.001 -0.000	STUD L'GTH. (SL)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	OIL HOLE		LUB. FITTING SIZE (F)	MIN. BOSS DIA.	HOUSING BORE DIA. +.0002 -0.0003	***RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
								HOLE CENTER (HC)	HOLE DIA. (HD)						
CF-1/2-N-B	CF-1/2-N-SB	.500	.344	.190	1/2	1/4	10-32	-	-	-	19/64	.1903	15	720	620
CF-1/2-B	CF-1/2-SB	.500	.375	.190	5/8	1/4	10-32	-	-	-	19/64	.1903	15	790	680
CF-9/16-B	CF-9/16-SB	.5625	.375	.190	5/8	1/4	10-32	-	-	-	19/64	.1903	15	790	680
CF-5/8-N-B	CF-5/8-N-SB	.625	.406	.250	5/8	5/16	1/4-28	-	-	-	23/64	.2503	35	1085	930
CF-5/8-B	CF-5/8-SB	.625	.4375	.250	3/4	5/16	1/4-28	-	-	-	23/64	.2503	35	1215	955
CF-11/16-B	CF-11/16-SB	.6875	.4375	.250	3/4	5/16	1/4-28	-	-	-	23/64	.2503	35	1215	955
CF-3/4-B	CF-3/4-SB	.750	.500	.375	7/8	3/8	3/8-24	1/4	3/32	3/16	1/2	.3753	95	2065	1660
CF-7/8-B	CF-7/8-SB	.875	.500	.375	7/8	3/8	3/8-24	1/4	3/32	3/16	1/2	.3753	95	2065	1660
CF-1-B	CF-1-SB	1.000	.625	.4375	1	1/2	7/16-20	1/4	3/32	3/16	41/64	.4378	250	3060	2225
CF-1 1/8-B	CF-1 1/8-SB	1.125	.625	.4375	1	1/2	7/16-20	1/4	3/32	3/16	41/64	.4378	250	3060	2225
CF-1 1/4-B	CF-1 1/4-SB	1.250	.750	.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	49/64	.5003	350	4250	3930
CF-1 3/8-B	CF-1 3/8-SB	1.375	.750	.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	49/64	.5003	350	4250	3930
CF-1 1/2-B	CF-1 1/2-SB	1.500	.875	.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	57/64	.6253	650	5640	4840
CF-1 5/8-B	CF-1 5/8-SB	1.625	.875	.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	57/64	.6253	650	5640	4840
CF-1 3/4-B	CF-1 3/4-SB	1.750	1.000	.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1 3/64	.7503	1250	7920	6385
CF-1 7/8-B	CF-1 7/8-SB	1.875	1.000	.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1 3/64	.7503	1250	7920	6385
CF-2-B	CF-2-SB	2.000	1.250	.875	2	1	7/8-14	1/2	1/8	3/16	1 13/64	.8753	1500	10570	8090
CF-2 1/4-B	CF-2 1/4-SB	2.250	1.250	.875	2	1	7/8-14	1/2	1/8	3/16	1 13/64	.8753	1500	10570	8090
CF-2 1/2-B	CF-2 1/2-SB	2.500	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	1 5/16	1.0003	2250	16450	11720
CF-2 3/4-B	CF-2 3/4-SB	2.750	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	1 5/16	1.0003	2250	16450	11720
CF-3-B	CF-3-SB	3.000	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	① 1/4	1 3/4	1.2503	3450	24910	15720
CF-3 1/4-B	CF-3 1/4-SB	3.250	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	① 1/4	1 3/4	1.2503	3450	24910	15720
CF-3 1/2-B	CF-3 1/2-SB	3.500	2.000	1.375	2 3/4	1 3/8	1 3/8-12	11/16	1/8	① 1/4	1 59/64	1.3753	4200	31625	22800
CF-4-B	CF-4-SB	4.000	2.250	1.500	3 1/2	1 1/2	1 1/2-12	3/4	1/8	① 1/4	2 9/32	1.5003	5000	44770	29985

*** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.
 ① Lubrication hole (F) at bottom of hex hole and 1/4 inch straight drive fitting with ball check supplied but not installed.
 Hex hole standard on sizes above CF-4-SB.
 See page 17 for bearing dimensions.

**Cam followers with eccentric studs,
with and without LUBRI-DISC® seals**



CAMROL® Bearings

UNSEALED BRG. NO.	SEALED BRG. NO.	ROLLER DIA. (RD) +.000 -.001	ROLLER WIDTH (W) +.000 -.005	BUSH. L'GTH (G*) +.000 -.010	BUSH. DIA. (BD) ±.001	STUD L'GTH. (SL)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	ECC.	LUB. FITTING SIZE (F)**	***RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
CFE-1/2	CFE-1/2-S	.500	.375	.375	.250	5/8	1/4	10-32	.010	1/8**	15	790	680
CFE-9/16	CFE-9/16-S	.5625	.375	.375	.250	5/8	1/4	10-32	.010	1/8**	15	790	680
CFE-5/8	CFE-5/8-S	.625	.4375	.437	.375	3/4	5/16	1/4-28	.015	1/8**	35	1215	955
CFE-11/16	CFE-11/16-S	.6875	.4375	.437	.375	3/4	5/16	1/4-28	.015	1/8**	35	1215	955
CFE-3/4	CFE-3/4-S	.750	.500	.500	.500	7/8	3/8	3/8-24	.015	3/16	95	2065	1660
CFE-7/8	CFE-7/8-S	.875	.500	.500	.500	7/8	3/8	3/8-24	.015	3/16	95	2065	1660
CFE-1	CFE-1-S	1.000	.625	.500	.625	1	1/2	7/16-20	.030	3/16	250	3060	2225
CFE-1 1/8	CFE-1 1/8-S	1.125	.625	.500	.625	1	1/2	7/16-20	.030	3/16	250	3060	2225
CFE-1 1/4	CFE-1 1/4-S	1.250	.750	.625	.687	1 1/4	5/8	1/2-20	.030	3/16	350	4250	3930
CFE-1 3/8	CFE-1 3/8-S	1.375	.750	.625	.687	1 1/4	5/8	1/2-20	.030	3/16	350	4250	3930
CFE-1 1/2	CFE-1 1/2-S	1.500	.875	.750	.875	1 1/2	3/4	5/8-18	.030	3/16	650	5640	4840
CFE-1 5/8	CFE-1 5/8-S	1.625	.875	.750	.875	1 1/2	3/4	5/8-18	.030	3/16	650	5640	4840
CFE-1 3/4	CFE-1 3/4-S	1.750	1.000	.875	1.000	1 3/4	7/8	3/4-16	.030	3/16	1250	7920	6385
CFE-1 7/8	CFE-1 7/8-S	1.875	1.000	.875	1.000	1 3/4	7/8	3/4-16	.030	3/16	1250	7920	6385
CFE-2	CFE-2-S	2.000	1.250	1.000	1.187	2	1	7/8-14	.030	3/16	1500	10570	8090
CFE-2 1/4	CFE-2 1/4-S	2.250	1.250	1.000	1.187	2	1	7/8-14	.030	3/16	1500	10570	8090
CFE-2 1/2	CFE-2 1/2-S	2.500	1.500	1.125	1.375	2 1/4	1 1/8	1-14	.030	3/16	2250	16450	11720
CFE-2 3/4	CFE-2 3/4-S	2.750	1.500	1.125	1.375	2 1/4	1 1/8	1-14	.030	3/16	2250	16450	11720
CFE-3	CFE-3-S	3.000	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	.060	1/4	3450	24910	15720
CFE-3 1/4	CFE-3 1/4-S	3.250	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	.060	1/4	3450	24910	15720
CFE-3 1/2	CFE-3 1/2-S	3.500	2.000	1.375	1.812	2 3/4	1 3/8	1 3/8-12	.060	1/4	4200	31625	22800
CFE-4	CFE-4-S	4.000	2.250	2.000	2.000	3 1/2	1 1/2	1 1/2-12	.060	1/4	5000	44770	29985

* For positive clamping, use housing thickness equal to G dimension +.010. Bushing press fit on stem and unhardened to permit dowel or set screw for permanent locking.

See page 15 for recommended housing bore diameter.

** Oil hole (F) drilled from Flange end of stud to the radial oil hole only.

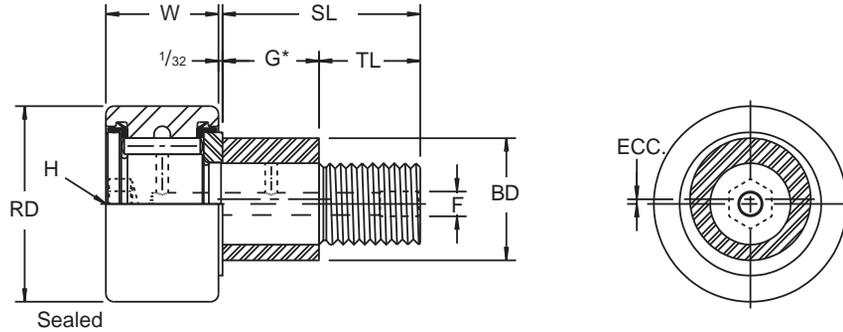
*** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.

CFE-B & CFE-SB SERIES

Cam followers with eccentric studs and hex holes, with and without LUBRI-DISC® seals



See page 15 for hex wrench sizes.



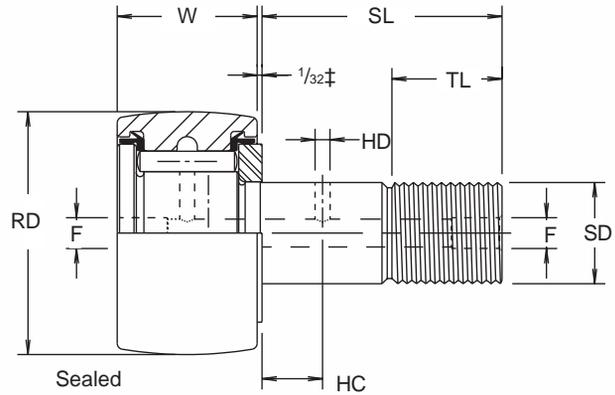
UNSEALED BRG. NO.	SEALED BRG. NO.	ROLLER DIA. (RD) +.000 -.001	ROLLER WIDTH (W) +.000 -.005	BUSH. L'GTH (G*) +.000 -.010	BUSH. DIA. (BD) ±.001	STUD L'GTH. (SL)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	ECC.	LUB. FITTING SIZE (F)	***RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
CFE-1/2-N-B	CFE-1/2-N-SB	.500	.344	.250	.250	1/2	1/4	10-32	.010	-	15	720	620
CFE-1/2-B	CFE-1/2-SB	.500	.375	.375	.250	5/8	1/4	10-32	.010	-	15	790	680
CFE-9/16-B	CFE-9/16-SB	.5625	.375	.375	.250	5/8	1/4	10-32	.010	-	15	790	680
CFE-5/8-B	CFE-5/8-SB	.625	.4375	.437	.375	3/4	5/16	1/4-28	.015	-	35	1215	955
CFE-11/16-B	CFE-11/16-SB	.6875	.4375	.437	.375	3/4	5/16	1/4-28	.015	-	35	1215	955
CFE-3/4-B	CFE-3/4-SB	.750	.500	.500	.500	7/8	3/8	3/8-24	.015	3/16	95	2065	1660
CFE-7/8-B	CFE-7/8-SB	.875	.500	.500	.500	7/8	3/8	3/8-24	.015	3/16	95	2065	1660
CFE-1-B	CFE-1-SB	1.000	.625	.500	.625	1	1/2	7/16-20	.030	3/16	250	3060	2225
CFE-1 1/8-B	CFE-1 1/8-SB	1.125	.625	.500	.625	1	1/2	7/16-20	.030	3/16	250	3060	2225
CFE-1 1/4-B	CFE-1 1/4-SB	1.250	.750	.625	.687	1 1/4	5/8	1/2-20	.030	3/16	350	4250	3930
CFE-1 3/8-B	CFE-1 3/8-SB	1.375	.750	.625	.687	1 1/4	5/8	1/2-20	.030	3/16	350	4250	3930
CFE-1 1/2-B	CFE-1 1/2-SB	1.500	.875	.750	.875	1 1/2	3/4	5/8-18	.030	3/16	650	5640	4840
CFE-1 5/8-B	CFE-1 5/8-SB	1.625	.875	.750	.875	1 1/2	3/4	5/8-18	.030	3/16	650	5640	4840
CFE-1 3/4-B	CFE-1 3/4-SB	1.750	1.000	.875	1.000	1 3/4	7/8	3/4-16	.030	3/16	1250	7920	6385
CFE-1 7/8-B	CFE-1 7/8-SB	1.875	1.000	.875	1.000	1 3/4	7/8	3/4-16	.030	3/16	1250	7920	6385
CFE-2-B	CFE-2-SB	2.000	1.250	1.000	1.187	2	1	7/8-14	.030	3/16	1500	10570	8090
CFE-2 1/4-B	CFE-2 1/4-SB	2.250	1.250	1.000	1.187	2	1	7/8-14	.030	3/16	1500	10570	8090
CFE-2 1/2-B	CFE-2 1/2-SB	2.500	1.500	1.125	1.375	2 1/4	1 1/8	1-14	.030	3/16	2250	16450	11720
CFE-2 3/4-B	CFE-2 3/4-SB	2.750	1.500	1.125	1.375	2 1/4	1 1/8	1-14	.030	3/16	2250	16450	11720
CFE-3-B	CFE-3-SB	3.000	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	.060	① 1/4	3450	24910	15720
CFE-3 1/4-B	CFE-3 1/4-SB	3.250	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	.060	① 1/4	3450	24910	15720
CFE-3 1/2-B	CFE-3 1/2-SB	3.500	2.000	1.375	1.812	2 3/4	1 3/8	1 3/8-12	.060	① 1/4	4200	31625	22800
CFE-4-B	CFE-4-SB	4.000	2.250	2.000	2.000	3 1/2	1 1/2	1 1/2-12	.060	① 1/4	5000	44770	29985

* For positive clamping, use housing thickness equal to G dimension +.010. Bushing press fit on stem and unhardened to permit dowel or set screw for permanent locking. See page 15 for recommended housing bore diameter.
 *** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.
 ① Lubrication hole (F) at bottom of hex hole and 1/4 inch straight drive fitting with ball check supplied but not installed.

Cam followers with crowned O.D.s and LUBRI-DISC® seals



See page 14 for crown details.



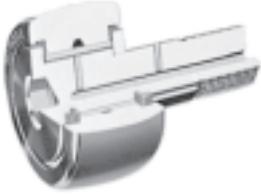
±1/16" on CCF-5-S, CCF-6-S, CCF-7-S

BRG. NO.	ROLLER DIA. (RD) +.000 -.001	ROLLER WIDTH (W) +.000 -.005	STUD DIA. (SD) +.001 -.000	STUD L'GTH. (SL)	MIN. THR'D L'GTH. (TL)	FINE THR'D'S.	OIL HOLE		LUB. FITTING SIZE (F)*	MIN. BOSS DIA.	HOUSING BORE DIA. +.0002 -.0003	***RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
							HOLE CENTER (HC)	HOLE DIA. (HD)						
CCF-1/2-N-S	.500	.344	.190	1/2	1/4	10-32	-	-	1/8*	19/64	.1903	15	720	620
CCF-1/2-S	.500	.375	.190	5/8	1/4	10-32	-	-	1/8*	19/64	.1903	15	790	680
CCF-9/16-S	.5625	.375	.190	5/8	1/4	10-32	-	-	1/8*	19/64	.1903	15	790	680
CCF-5/8-N-S	.625	.406	.250	5/8	5/16	1/4-28	-	-	1/8*	23/64	.2503	35	1085	930
CCF-5/8-S	.625	.4375	.250	3/4	5/16	1/4-28	-	-	1/8*	23/64	.2503	35	1215	955
CCF-11/16-S	.6875	.4375	.250	3/4	5/16	1/4-28	-	-	1/8*	23/64	.2503	35	1215	955
CCF-3/4-S	.750	.500	.375	7/8	3/8	3/8-24	1/4	3/32	3/16	1/2	.3753	95	2065	1660
CCF-7/8-S	.875	.500	.375	7/8	3/8	3/8-24	1/4	3/32	3/16	1/2	.3753	95	2065	1660
CCF-1-S	1.000	.625	.4375	1	1/2	7/16-20	1/4	3/32	3/16	41/64	.4378	250	3060	2225
CCF-1 1/8-S	1.125	.625	.4375	1	1/2	7/16-20	1/4	3/32	3/16	41/64	.4378	250	3060	2225
CCF-1 1/4-S	1.250	.750	.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	49/64	.5003	350	4250	3930
CCF-1 3/8-S	1.375	.750	.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	49/64	.5003	350	4250	3930
CCF-1 1/2-S	1.500	.875	.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	57/64	.6253	650	5640	4840
CCF-1 5/8-S	1.625	.875	.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	57/64	.6253	650	5640	4840
CCF-1 3/4-S	1.750	1.000	.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1 3/64	.7503	1250	7920	6385
CCF-1 7/8-S	1.875	1.000	.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1 3/64	.7503	1250	7920	6385
CCF-2-S	2.000	1.250	.875	2	1	7/8-14	1/2	1/8	3/16	1 13/64	.8753	1500	10570	8090
CCF-2 1/4-S	2.250	1.250	.875	2	1	7/8-14	1/2	1/8	3/16	1 13/64	.8753	1500	10570	8090
CCF-2 1/2-S	2.500	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	1 5/16	1.0003	2250	16450	11720
CCF-2 3/4-S	2.750	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	1 5/16	1.0003	2250	16450	11720
CCF-3-S	3.000	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	1/4	1 3/4	1.2503	3450	24910	15720
CCF-3 1/4-S	3.250	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	1/4	1 3/4	1.2503	3450	24910	15720
CCF-3 1/2-S	3.500	2.000	1.375	2 3/4	1 3/8	1 3/8-12	11/16	1/8	1/4	1 59/64	1.3753	4200	31625	22800
CCF-4-S	4.000	2.250	1.500	3 1/2	1 1/2	1 1/2-12	3/4	1/8	1/4	2 9/32	1.5003	5000	44770	29985
†CCF-5-S	5.000	2.750	2.000	5 1/16	2 9/16	2-12	7/8	3/16	1/4 N.P.T.	2 7/8	2.0003	5000	67950	46575
†CCF-6-S	6.000	3.250	2.500	6	3	2 1/2-12	1	3/16	1/4 N.P.T.	3 3/8	2.5003	5000	80450	60000
†CCF-7-S	7.000	3.750	3.000	7 11/16	4 1/8	3-12	1 1/4	3/16	1/4 N.P.T.	3 7/8	3.0003	5000	106930	75380
†CCF-8-S ♦	8.000	4.250**	3.250	8 1/2	4 1/4	3 1/4-4	-	-	1/4 N.P.T.*	4 3/4	3.2503	5000	144100	92200
†CCF-9-S ♦	9.000	4.750**	3.750	9 1/2	4 3/4	3 1/2-4	-	-	1/4 N.P.T.*	5 7/16	3.7503	5000	183430	113260
†CCF-10-S ♦	10.000	5.250**	4.250	10	4 3/4	3 1/2-4	-	-	1/4 N.P.T.*	5 59/64	4.2503	5000	215565	131545

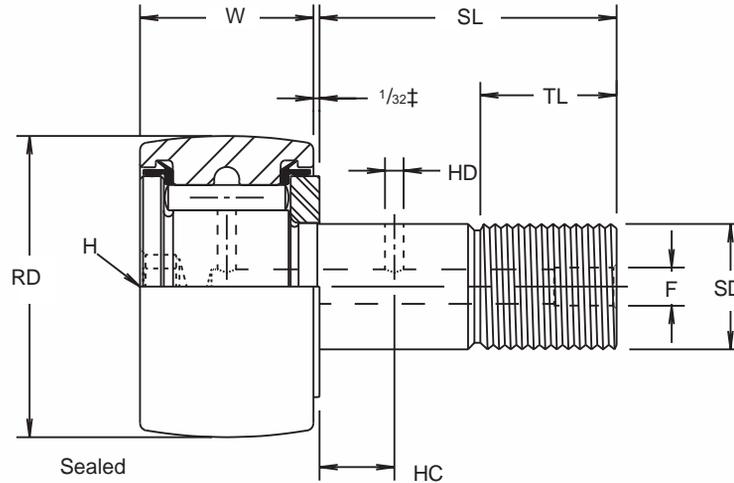
† Not available from stock. Consult McGill Customer Service for availability.
 ♦ Standard tolerances do not apply. Consult McGill Customer Service.
 * Oil hole (F) drilled from the flange end of the stud to the radial oil hole only.
 ** Flange extends 3/4" beyond face of outer race, and endplate extends 1/8" beyond face of outer race.
 *** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.
 • Coarse threads.

CCF-SB SERIES

Cam followers with crowned O.D.s, hex holes, and LUBRI-DISC® seals



See page 15 for hex wrench sizes.
See page 14 for crown details.



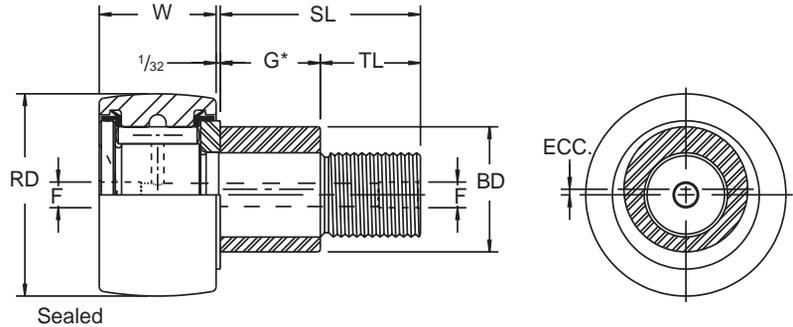
BRG. NO.	ROLLER DIA. (RD) +.000 -.001	ROLLER WIDTH (W) +.000 -.005	STUD DIA. (SD) +.001 -.000	STUD L'GTH. (SL)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	OIL HOLE		LUB. FITTING SIZE (F)	MIN. BOSS DIA.	HOUSING BORE DIA. +.0002 -.0003	***RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
							HOLE CENTER (HC)	HOLE DIA. (HD)						
CCF-1/2-N-SB	.500	.344	.190	1/2	1/4	10-32	-	-	-	19/64	.1903	15	720	620
CCF-1/2-SB	.500	.375	.190	5/8	1/4	10-32	-	-	-	19/64	.1903	15	790	680
CCF-9/16-SB	.5625	.375	.190	5/8	1/4	10-32	-	-	-	19/64	.1903	15	790	680
CCF-5/8-N-SB	.625	.406	.250	5/8	5/16	1/4-28	-	-	-	23/64	.2503	35	1085	930
CCF-5/8-SB	.625	.4375	.250	3/4	5/16	1/4-28	-	-	-	23/64	.2503	35	1215	955
CCF-11/16-SB	.6875	.4375	.250	3/4	5/16	1/4-28	-	-	-	23/64	.2503	35	1215	955
CCF-3/4-SB	.750	.500	.375	7/8	3/8	3/8-24	1/4	3/32	3/16	1/2	.3753	95	2065	1660
CCF-7/8-SB	.875	.500	.375	7/8	3/8	3/8-24	1/4	3/32	3/16	1/2	.3753	95	2065	1660
CCF-1-SB	1.000	.625	.4375	1	1/2	7/16-20	1/4	3/32	3/16	41/64	.4378	250	3060	2225
CCF-1 1/8-SB	1.125	.625	.4375	1	1/2	7/16-20	1/4	3/32	3/16	41/64	.4378	250	3060	2225
CCF-1 1/4-SB	1.250	.750	.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	49/64	.5003	350	4250	3930
CCF-1 3/8-SB	1.375	.750	.500	1 1/4	5/8	1/2-20	5/16	3/32	3/16	49/64	.5003	350	4250	3930
CCF-1 1/2-SB	1.500	.875	.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	57/64	.6253	650	5640	4840
CCF-1 5/8-SB	1.625	.875	.625	1 1/2	3/4	5/8-18	3/8	3/32	3/16	57/64	.6253	650	5640	4840
CCF-1 3/4-SB	1.750	1.000	.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1 3/64	.7503	1250	7920	6385
CCF-1 7/8-SB	1.875	1.000	.750	1 3/4	7/8	3/4-16	7/16	3/32	3/16	1 3/64	.7503	1250	7920	6385
CCF-2-SB	2.000	1.250	.875	2	1	7/8-14	1/2	1/8	3/16	1 13/64	.8753	1500	10570	8090
CCF-2 1/4-SB	2.250	1.250	.875	2	1	7/8-14	1/2	1/8	3/16	1 13/64	.8753	1500	10570	8090
CCF-2 1/2-SB	2.500	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	1 5/16	1.0003	2250	16450	11720
CCF-2 3/4-SB	2.750	1.500	1.000	2 1/4	1 1/8	1-14	9/16	1/8	3/16	1 5/16	1.0003	2250	16450	11720
CCF-3-SB	3.000	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	① 1/4	1 3/4	1.2503	3450	24910	15720
CCF-3 1/4-SB	3.250	1.750	1.250	2 1/2	1 1/4	1 1/4-12	5/8	1/8	① 1/4	1 3/4	1.2503	3450	24910	15720
CCF-3 1/2-SB	3.500	2.000	1.375	2 3/4	1 3/8	1 3/8-12	11/16	1/8	① 1/4	1 59/64	1.3753	4200	31625	22800
CCF-4-SB	4.000	2.250	1.500	3 1/2	1 1/2	1 1/2-12	3/4	1/8	① 1/4	2 9/32	1.5003	5000	44770	29985

*** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.
① Lubrication hole (F) at bottom of hex hole and 1/4 inch straight drive fitting with ball check supplied but not installed.
Hex hole standard on sizes above CCF-4-SB.
See page 21 for bearing dimensions.

Cam followers with crowned O.D.s, eccentric studs and LUBRI-DISC® seals



See page 14 for crown details.



CAMROL® Bearings

BRG. NO.	ROLLER DIA. (RD) +.000 -.001	ROLLER WIDTH (W) +.000 -.005	BUSH. L'GTH. (G*) +.000 -.010	BUSH. DIA. (BD) ±.001	STUD L'GTH. (SL)	MIN. THR'D L'GTH. (TL)	FINE THR'D S.	ECC.	LUB. FITTING SIZE (F)**	***RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
CCFE-1/2-N-S	.500	.344	.250	.250	1/2	1/4	10-32	.010	1/8**	15	720	620
CCFE-1/2-S	.500	.375	.375	.250	5/8	1/4	10-32	.010	1/8**	15	790	680
CCFE-9/16-S	.5625	.375	.375	.250	5/8	1/4	10-32	.010	1/8**	15	790	680
CCFE-5/8-S	.625	.4375	.437	.375	3/4	5/16	1/4-28	.015	1/8**	35	1215	955
CCFE-11/16-S	.6875	.4375	.437	.375	3/4	5/16	1/4-28	.015	1/8**	35	1215	955
CCFE-3/4-S	.750	.500	.500	.500	7/8	3/8	3/8-24	.015	3/16	95	2065	1660
CCFE-7/8-S	.875	.500	.500	.500	7/8	3/8	3/8-24	.015	3/16	95	2065	1660
CCFE-1-S	1.000	.625	.500	.625	1	1/2	7/16-20	.030	3/16	250	3060	2225
CCFE-1 1/8-S	1.125	.625	.500	.625	1	1/2	7/16-20	.030	3/16	250	3060	2225
CCFE-1 1/4-S	1.250	.750	.625	.687	1 1/4	5/8	1/2-20	.030	3/16	350	4250	3930
CCFE-1 3/8-S	1.375	.750	.625	.687	1 1/4	5/8	1/2-20	.030	3/16	350	4250	3930
CCFE-1 1/2-S	1.500	.875	.750	.875	1 1/2	3/4	5/8-18	.030	3/16	650	5640	4840
CCFE-1 5/8-S	1.625	.875	.750	.875	1 1/2	3/4	5/8-18	.030	3/16	650	5640	4840
CCFE-1 3/4-S	1.750	1.000	.875	1.000	1 3/4	7/8	3/4-16	.030	3/16	1250	7920	6385
CCFE-1 7/8-S	1.875	1.000	.875	1.000	1 3/4	7/8	3/4-16	.030	3/16	1250	7920	6385
CCFE-2-S	2.000	1.250	1.000	1.187	2	1	7/8-14	.030	3/16	1500	10570	8090
CCFE-2 1/4-S	2.250	1.250	1.000	1.187	2	1	7/8-14	.030	3/16	1500	10570	8090
CCFE-2 1/2-S	2.500	1.500	1.125	1.375	2 1/4	1 1/8	1-14	.030	3/16	2250	16450	11720
CCFE-2 3/4-S	2.750	1.500	1.125	1.375	2 1/4	1 1/8	1-14	.030	3/16	2250	16450	11720
CCFE-3-S	3.000	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	.060	1/4	3450	24910	15720
CCFE-3 1/4-S	3.250	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	.060	1/4	3450	24910	15720
CCFE-3 1/2-S	3.500	2.000	1.375	1.812	2 3/4	1 3/8	1 3/8-12	.060	1/4	4200	31625	22800
CCFE-4-S	4.000	2.250	2.000	2.000	3 1/2	1 1/2	1 1/2-12	.060	1/4	5000	44770	29985

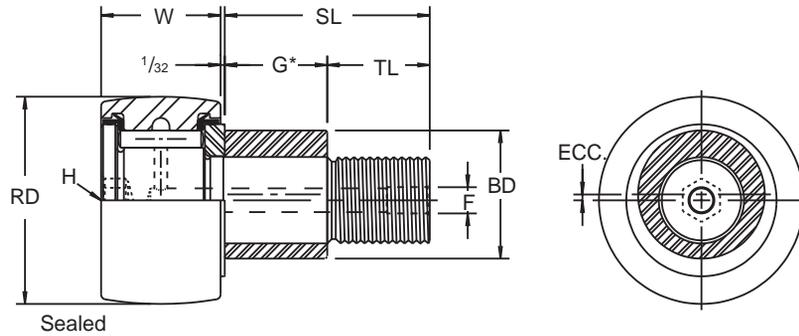
* For positive clamping, use housing thickness equal to G dimension +.010. Bushing press fit on stem and unhardened to permit dowel or set screw for permanent locking. See page 15 for recommended housing bore diameter.
 ** Oil hole (F) drilled from the flange end of the stud to the radial oil hole only.
 *** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.

CCFE-SB SERIES

Cam followers with crowned O.D.s, eccentric studs, hex holes, and LUBRI-DISC® seals



See page 15 for hex wrench sizes.
See page 14 for crown details.



BRG. NO.	ROLLER DIA. (RD) +.000 -.001	ROLLER WIDTH (W) +.000 -.005	BUSH. L'GTH. (G*) +.000 -.010	BUSH. DIA. (BD) ±.001	STUD L'GTH. (SL)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	ECC.	LUB. FITTING SIZE (F)	**RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
CCFE-1/2-N-SB	.500	.344	.250	.250	1/2	1/4	10-32	.010	-	15	720	620
CCFE-1/2-SB	.500	.375	.375	.250	5/8	1/4	10-32	.010	-	15	790	680
CCFE-9/16-SB	.5625	.375	.375	.250	5/8	1/4	10-32	.010	-	15	790	680
CCFE-5/8-SB	.625	.4375	.437	.375	3/4	5/16	1/4-28	.015	-	35	1215	955
CCFE-11/16-SB	.6875	.4375	.437	.375	3/4	5/16	1/4-28	.015	-	35	1215	955
CCFE-3/4-SB	.750	.500	.500	.500	7/8	3/8	3/8-24	.015	3/16	95	2065	1660
CCFE-7/8-SB	.875	.500	.500	.500	7/8	3/8	3/8-24	.015	3/16	95	2065	1660
CCFE-1-SB	1.000	.625	.500	.625	1	1/2	7/16-20	.030	3/16	250	3060	2225
CCFE-1 1/8-SB	1.125	.625	.500	.625	1	1/2	7/16-20	.030	3/16	250	3060	2225
CCFE-1 1/4-SB	1.250	.750	.625	.687	1 1/4	5/8	1/2-20	.030	3/16	350	4250	3930
CCFE-1 3/8-SB	1.375	.750	.625	.687	1 1/4	5/8	1/2-20	.030	3/16	350	4250	3930
CCFE-1 1/2-SB	1.500	.875	.750	.875	1 1/2	3/4	5/8-18	.030	3/16	650	5640	4840
CCFE-1 5/8-SB	1.625	.875	.750	.875	1 1/2	3/4	5/8-18	.030	3/16	650	5640	4840
CCFE-1 3/4-SB	1.750	1.000	.875	1.000	1 3/4	7/8	3/4-16	.030	3/16	1250	7920	6385
CCFE-1 7/8-SB	1.875	1.000	.875	1.000	1 3/4	7/8	3/4-16	.030	3/16	1250	7920	6385
CCFE-2-SB	2.000	1.250	1.000	1.187	2	1	7/8-14	.030	3/16	1500	10570	8090
CCFE-2 1/4-SB	2.250	1.250	1.000	1.187	2	1	7/8-14	.030	3/16	1500	10570	8090
CCFE-2 1/2-SB	2.500	1.500	1.125	1.375	2 1/4	1 1/8	1-14	.030	3/16	2250	16450	11720
CCFE-2 3/4-SB	2.750	1.500	1.125	1.375	2 1/4	1 1/8	1-14	.030	3/16	2250	16450	11720
CCFE-3-SB	3.000	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	.060	① 1/4	3450	24910	15720
CCFE-3 1/4-SB	3.250	1.750	1.250	1.750	2 1/2	1 1/4	1 1/4-12	.060	① 1/4	3450	24910	15720
CCFE-3 1/2-SB	3.500	2.000	1.375	1.812	2 3/4	1 3/8	1 3/8-12	.060	① 1/4	4200	31625	22800
CCFE-4-SB	4.000	2.250	2.000	2.000	3 1/2	1 1/2	1 1/2-12	.060	① 1/4	5000	44770	29985

* For positive clamping, use housing thickness equal to G dimension +.010. Bushing press fit on stem and unhardened to permit dowel or setscrew for permanent locking. See page 15 for recommended housing bore diameter.

** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.

① Lubrication hole (F) at bottom of hex hole and 1/4 inch straight drive fitting with ball check supplied but not installed.

CFH series heavy stud

Sealed and unsealed bearings showing optional features available in combination as shown in the following table (see following page).

Illustrated are 3 possible options available in heavy stud cam follower bearings. These may be combined to best serve any application and combinations regularly stocked are shown in the following table. Others would be special and should be discussed with the McGill Engineering Department.



CFH & CFH-S series heavy stud

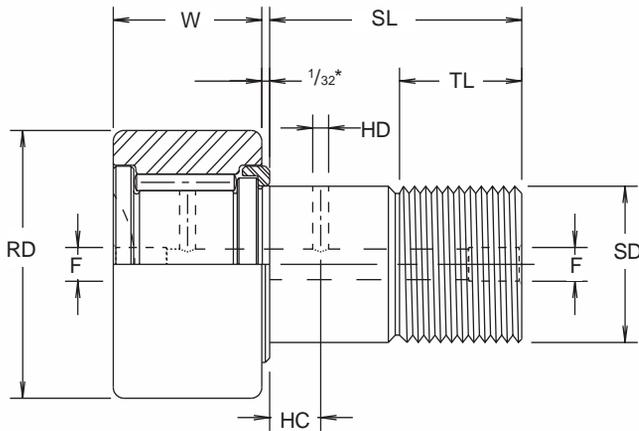
Cam followers with and without LUBRI-DISC® seals



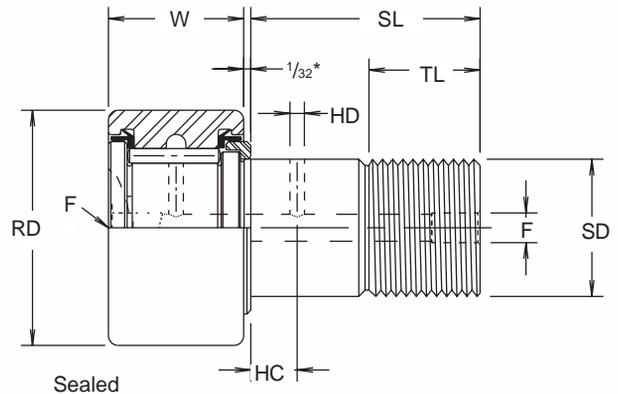
Unsealed



Sealed



***1/16" on CFH-5, CFH-6, CFH-7**



***1/16" on CFH-5-S, CFH-6-S, CFH-7-S**

CFH & CFH-S SERIES HEAVY STUD



With LUBRI-DISC® seals
add letter "S"
Ex. CFH-1³/₄-S



Hex Hole
add letter "B"
Ex. CFH-1³/₄-SB



Crowned O.D.
add letter "C"
Ex. CCFH-1³/₄-S

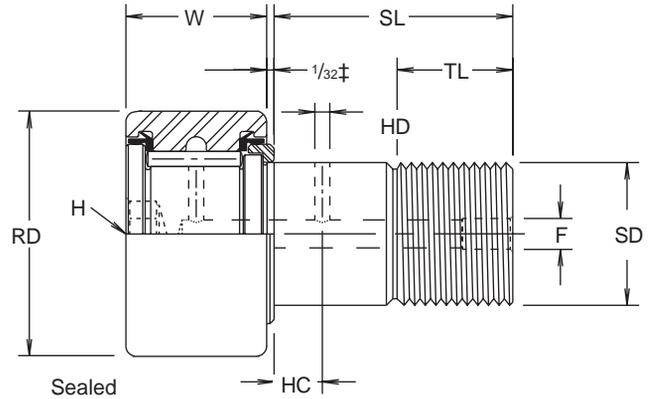
UNSEALED BRG. NO.	SEALED BRG. NO.	ROLLER DIA. (RD) +.000 -.001	ROLLER WIDTH (W) +.000 -.005	STUD DIA. (SD) +.001 -.000	STUD L'GTH. (SL)	MIN. THR'D L'GTH. (TL)	FINE THR'D'S.	OIL HOLE		LUB. FIT-TING SIZE (F)*	MIN. BOSS DIA.	HOUSING BORE DIA. +.0002 -.0003	**RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
								HOLE CENTER (HC)	HOLE DIA. (HD)						
CFH-1/2	CFH-1/2-S	.500	.375	.250	5/8	1/4	1/4-28	-	-	1/8*	13/32	.2503	35	1580	680
CFH-9/16	CFH-9/16-S	.5625	.375	.250	5/8	1/4	1/4-28	-	-	1/8*	13/32	.2503	35	1580	680
CFH-5/8	CFH-5/8-S	.625	.4375	.3125	3/4	5/16	5/16-24	-	-	1/8*	15/32	.3128	90	2480	955
CFH-11/16	CFH-11/16-S	.6875	.4375	.3125	3/4	5/16	5/16-24	-	-	1/8*	15/32	.3128	90	2480	955
CFH-3/4	CFH-3/4-S	.750	.500	.4375	7/8	3/8	7/16-20	1/4	3/32	3/16	39/64	.4378	250	4130	1660
CFH-7/8	CFH-7/8-S	.875	.500	.4375	7/8	3/8	7/16-20	1/4	3/32	3/16	39/64	.4378	250	4130	1660
CFH-1	CFH-1-S	1.000	.625	.625	1	1/2	5/8-18	1/4	3/32	3/16	25/32	.6253	650	6120	2225
CFH-1 1/8	CFH-1 1/8-S	1.125	.625	.625	1	1/2	5/8-18	1/4	3/32	3/16	25/32	.6253	650	6120	2225
CFH-1 1/4	CFH-1 1/4-S	1.250	.750	.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	63/64	.7503	1250	8500	3930
CFH-1 3/8	CFH-1 3/8-S	1.375	.750	.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	63/64	.7503	1250	8500	3930
CFH-1 1/2	CFH-1 1/2-S	1.500	.875	.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1 3/32	.8753	1500	11280	4840
CFH-1 5/8	CFH-1 5/8-S	1.625	.875	.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1 3/32	.8753	1500	11280	4840
CFH-1 3/4	CFH-1 3/4-S	1.750	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	1 1/4	1.0003	2250	15840	6385
CFH-1 7/8	CFH-1 7/8-S	1.875	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	1 1/4	1.0003	2250	15840	6385
CFH-2	CFH-2-S	2.000	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	1 13/32	1.1253	2800	21140	8090
CFH-2 1/4	CFH-2 1/4-S	2.250	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	1 13/32	1.1253	2800	21140	8090
CFH-2 1/2	CFH-2 1/2-S	2.500	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	1 11/16	1.2503	3450	32900	11720
CFH-2 3/4	CFH-2 3/4-S	2.750	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	1 11/16	1.2503	3450	32900	11720
CFH-3	CFH-3-S	3.000	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	1/4	2 1/8	1.5003	5000	49820	15720
CFH-3 1/4	CFH-3 1/4-S	3.250	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	1/4	2 1/8	1.5003	5000	49820	15720
CFH-3 1/2	CFH-3 1/2-S	3.500	2.000	1.750	2 3/4	1 3/8	1 3/4-12	11/16	1/8	1/4	2 7/16	1.7503	5000	63250	22800
CFH-4	CFH-4-S	4.000	2.250	2.000	3 1/2	1 1/2	2-12	3/4	1/8	1/4	2 51/64	2.0003	5000	89540	29985
	CFH-5-S	5.000	2.750	2.500	5 1/16	2 9/16	2 1/2-12	7/8	3/16	1/4 N.P.T.	3 9/16	2.5003	5000	135900	46575
	CFH-6-S	6.000	3.250	3.000	6	3	3-12	1	3/16	1/4 N.P.T.	4 15/32	3.0003	5000	160900	60000
	CFH-7-S	7.000	3.750	3.500	7 11/16	4 1/8	3 1/2-4	1 1/4	3/16	1/4 N.P.T.	5 3/16	3.5003	5000	213860	75380

* Oil hole (F) drilled from the flange end of the stud to the radial oil hole only.
 ** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.
 • Coarse Thread.

Cam followers with hex holes, with and without LUBRI-DISC® seals



See page 15 for hex wrench sizes.



±1/16" on CFH-5-S, CFH-6-S, CFH-7-S

UNSEALED BRG. NO.	SEALED BRG. NO.	ROLLER DIA. (RD) +.000 - .001	ROLLER WIDTH (W) +.000 - .005	STUD DIA. (SD) +.001 - .000	STUD L'GTH. (SL)	MIN. THR'D. L'GTH. (TL)	FINE THR'DS.	OIL HOLE		LUB. FITTING SIZE (F)	MIN. BOSS DIA.	HOUSING BORE DIA. +.0002 - .0003	**RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
								HOLE CENTER (HC)	HOLE DIA. (HD)						
CFH-1/2-B	CFH-1/2-SB	.500	.375	.250	5/8	1/4	1/4-28	-	-	-	13/32	.2503	35	1580	680
CFH-9/16-B	CFH-9/16-SB	.5625	.375	.250	5/8	1/4	1/4-28	-	-	-	13/32	.2503	35	1580	680
CFH-5/8-B	CFH-5/8-SB	.625	.4375	.3125	3/4	5/16	5/16-24	-	-	-	15/32	.3128	90	2480	955
CFH-11/16-B	CFH-11/16-SB	.6875	.4375	.3125	3/4	5/16	5/16-24	-	-	-	15/32	.3128	90	2480	955
CFH-3/4-B	CFH-3/4-SB	.750	.500	.4375	7/8	3/8	7/16-20	1/4	3/32	3/16	39/64	.4378	250	4130	1660
CFH-7/8-B	CFH-7/8-SB	.875	.500	.4375	7/8	3/8	7/16-20	1/4	3/32	3/16	39/64	.4378	250	4130	1660
CFH-1-B	CFH-1-SB	1.000	.625	.625	1	1/2	5/8-18	1/4	3/32	3/16	25/32	.6253	650	6120	2225
CFH-1 1/8-B	CFH-1 1/8-SB	1.125	.625	.625	1	1/2	5/8-18	1/4	3/32	3/16	25/32	.6253	650	6120	2225
CFH-1 1/4-B	CFH-1 1/4-SB	1.250	.750	.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	63/64	.7503	1250	8500	3930
CFH-1 3/8-B	CFH-1 3/8-SB	1.375	.750	.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	63/64	.7503	1250	8500	3930
CFH-1 1/2-B	CFH-1 1/2-SB	1.500	.875	.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1 3/32	.8753	1500	11280	4840
CFH-1 5/8-B	CFH-1 5/8-SB	1.625	.875	.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1 3/32	.8753	1500	11280	4840
CFH-1 3/4-B	CFH-1 3/4-SB	1.750	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	1 1/4	1.0003	2250	15840	6385
CFH-1 7/8-B	CFH-1 7/8-SB	1.875	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	1 1/4	1.0003	2250	15840	6385
CFH-2-B	CFH-2-SB	2.000	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	1 13/32	1.1253	2800	21140	8090
CFH-2 1/4-B	CFH-2 1/4-SB	2.250	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	1 13/32	1.1253	2800	21140	8090
CFH-2 1/2-B	CFH-2 1/2-SB	2.500	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	1 11/16	1.2503	3450	32900	11720
CFH-2 3/4-B	CFH-2 3/4-SB	2.750	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	1 11/16	1.2503	3450	32900	11720
CFH-3-B	CFH-3-SB	3.000	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	① 1/4	2 1/8	1.5003	5000	49820	15720
CFH-3 1/4-B	CFH-3 1/4-SB	3.250	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	① 1/4	2 1/8	1.5003	5000	49820	15720
CFH-3 1/2-B	CFH-3 1/2-SB	3.500	2.000	1.750	2 3/4	1 3/8	1 3/4-12	11/16	1/8	① 1/4	2 7/16	1.7503	5000	63250	22800
CFH-4-B	CFH-4-SB	4.000	2.250	2.000	3 1/2	1 1/2	2-12	3/4	1/8	① 1/4	2 51/64	2.0003	5000	89540	29985

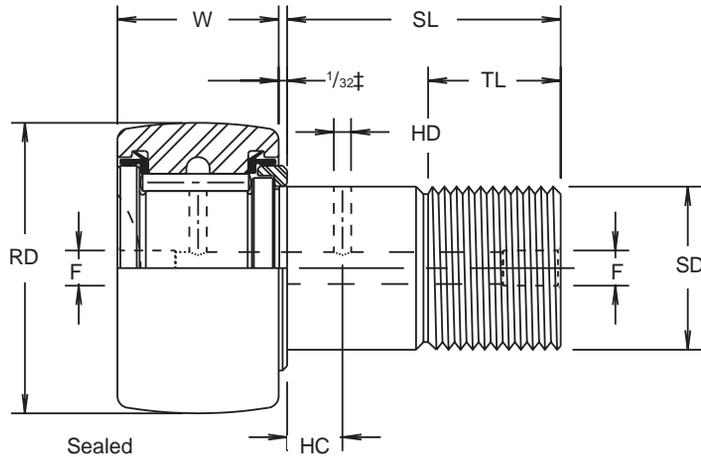
** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.
 ① Lubrication hole (F) at bottom of hex hole and 1/4 inch straight drive fitting with ball check supplied but not installed.
 Hex hole standard on sizes above CFH-4-SB.
 See page 26 for bearing dimensions.

CCFH-S SERIES HEAVY STUD

Cam followers with crowned O.D.s and LUBRI-DISC® seals



See page 14 for crown details.



±1/16" on CCFH-5-S, CCFH-6-S, CCFH-7-S

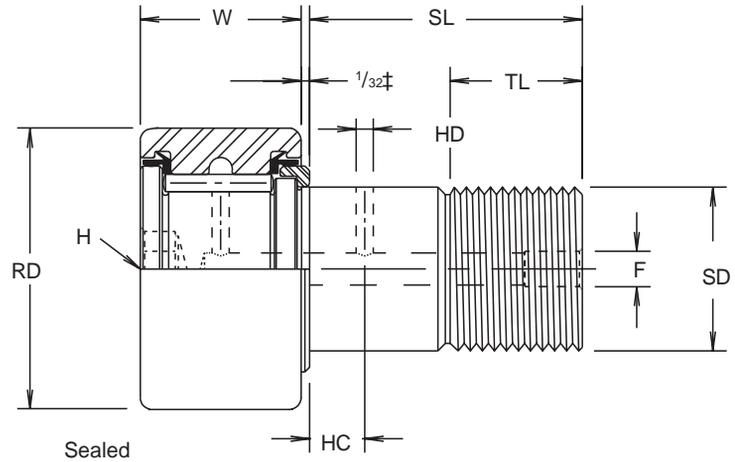
BRG. NO.	ROLLER DIA. (RD) +.000 -.001	ROLLER WIDTH (W) +.000 -.005	STUD DIA. (SD) +.001 -.000	STUD L'GTH. (SL)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	OIL HOLE		LUB. FITTING SIZE (F)*	MIN. BOSS DIA.	HOUSING BORE DIA. +.0002 -.0003	**RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
							HOLE CENTER (HC)	HOLE DIA. (HD)						
CCFH-1/2-S	.500	.375	.250	5/8	1/4	1/4-28	-	-	1/8*	13/32	.2503	35	1580	680
CCFH-9/16-S	.5625	.375	.250	5/8	1/4	1/4-28	-	-	1/8*	13/32	.2503	35	1580	680
CCFH-5/8-S	.625	.4375	.3125	3/4	5/16	5/16-24	-	-	1/8*	15/32	.3128	90	2480	955
CCFH-11/16-S	.6875	.4375	.3125	3/4	5/16	5/16-24	-	-	1/8*	15/32	.3128	90	2480	955
CCFH-3/4-S	.750	.500	.4375	7/8	3/8	7/16-20	1/4	3/32	3/16	39/64	.4378	250	4130	1660
CCFH-7/8-S	.875	.500	.4375	7/8	3/8	7/16-20	1/4	3/32	3/16	39/64	.4378	250	4130	1660
CCFH-1-S	1.000	.625	.625	1	1/2	5/8-18	1/4	3/32	3/16	25/32	.6253	650	6120	2225
CCFH-1 1/8-S	1.125	.625	.625	1	1/2	5/8-18	1/4	3/32	3/16	25/32	.6253	650	6120	2225
CCFH-1 1/4-S	1.250	.750	.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	63/64	.7503	1250	8500	3930
CCFH-1 3/8-S	1.375	.750	.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	63/64	.7503	1250	8500	3930
CCFH-1 1/2-S	1.500	.875	.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1 3/32	.8753	1500	11280	4840
CCFH-1 5/8-S	1.625	.875	.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1 3/32	.8753	1500	11280	4840
CCFH-1 3/4-S	1.750	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	1 1/4	1.0003	2250	15840	6385
CCFH-1 7/8-S	1.875	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	1 1/4	1.0003	2250	15840	6385
CCFH-2-S	2.000	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	1 13/32	1.1253	2800	21140	8090
CCFH-2 1/4-S	2.250	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	1 13/32	1.1253	2800	21140	8090
CCFH-2 1/2-S	2.500	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	1 11/16	1.2503	3450	32900	11720
CCFH-2 3/4-S	2.750	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	1 11/16	1.2503	3450	32900	11720
CCFH-3-S	3.000	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	1/4	2 1/8	1.5003	5000	49820	15720
CCFH-3 1/4-S	3.250	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	1/4	2 1/8	1.5003	5000	49820	15720
CCFH-3 1/2-S	3.500	2.000	1.750	2 3/4	1 3/8	1 3/4-12	11/16	1/8	1/4	2 7/16	1.7503	5000	63250	22800
CCFH-4-S	4.000	2.250	2.000	3 1/2	1 1/2	2-12	3/4	1/8	1/4	2 51/64	2.0003	5000	89540	29985
†CCFH-5-S	5.000	2.750	2.500	5 1/16	2 9/16	2 1/2-12	7/8	3/16	1/4 N.P.T.	3 9/16	2.5003	5000	135900	46575
†CCFH-6-S	6.000	3.250	3.000	6	3	3-12	1	3/16	1/4 N.P.T.	4 15/32	3.0003	5000	160900	60000
†CCFH-7-S	7.000	3.750	3.500	7 11/16	4 1/8	3 1/2-4	1 1/4	3/16	1/4 N.P.T.	5 3/16	3.5003	5000	213860	75380

† Not available from stock. Consult McGill Customer Service for availability.
 • Coarse Thread.
 * Oil hole (F) drilled from the flange end of the stud to the radial oil hole only.
 ** Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.

Cam followers with crowned O.D.s, hex holes and LUBRI-DISC® seals



See page 15 for hex wrench sizes.
See page 14 for crown details.



CAMROL® Bearings

BRG. NO.	ROLLER DIA. (RD) +.000 -.001	ROLLER WIDTH (W) +.000 -.005	STUD DIA. (SD) +.001 -.000	STUD L'GTH. (SL)	MIN. THR'D L'GTH. (TL)	FINE THR'DS.	OIL HOLE		LUB. FITTING SIZE (F)	MIN. BOSS DIA.	HOUSING BORE DIA. +.0002 -.0003	*RECOM. CLAMPING TORQUE LBS.-IN.	MAX. STATIC CAPACITY LBS.	BASIC DYN. RATING LBS.
							HOLE CENTER (HC)	HOLE DIA. (HD)						
CCFH-1/2-SB	.500	.375	.250	5/8	1/4	1/4-28	-	-	-	13/32	.2503	35	1580	680
CCFH-9/16-SB	.5625	.375	.250	5/8	1/4	1/4-28	-	-	-	13/32	.2503	35	1580	680
CCFH-5/8-SB	.625	.4375	.3125	3/4	5/16	5/16-24	-	-	-	15/32	.3128	90	2480	955
CCFH-11/16-SB	.6875	.4375	.3125	3/4	5/16	5/16-24	-	-	-	15/32	.3128	90	2480	955
CCFH-3/4-SB	.750	.500	.4375	7/8	3/8	7/16-20	1/4	3/32	3/16	39/64	.4378	250	4130	1660
CCFH-7/8-SB	.875	.500	.4375	7/8	3/8	7/16-20	1/4	3/32	3/16	39/64	.4378	250	4130	1660
CCFH-1-SB	1.000	.625	.625	1	1/2	5/8-18	1/4	3/32	3/16	25/32	.6253	650	6120	2225
CCFH-1 1/8-SB	1.125	.625	.625	1	1/2	5/8-18	1/4	3/32	3/16	25/32	.6253	650	6120	2225
CCFH-1 1/4-SB	1.250	.750	.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	63/64	.7503	1250	8500	3930
CCFH-1 3/8-SB	1.375	.750	.750	1 1/4	5/8	3/4-16	5/16	3/32	3/16	63/64	.7503	1250	8500	3930
CCFH-1 1/2-SB	1.500	.875	.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1 3/32	.8753	1500	11280	4840
CCFH-1 5/8-SB	1.625	.875	.875	1 1/2	3/4	7/8-14	3/8	3/32	3/16	1 3/32	.8753	1500	11280	4840
CCFH-1 3/4-SB	1.750	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	1 1/4	1.0003	2250	15840	6385
CCFH-1 7/8-SB	1.875	1.000	1.000	1 3/4	7/8	1-14	7/16	3/32	3/16	1 1/4	1.0003	2250	15840	6385
CCFH-2-SB	2.000	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	1 13/32	1.1253	2800	21140	8090
CCFH-2 1/4-SB	2.250	1.250	1.125	2	1	1 1/8-12	1/2	1/8	3/16	1 13/32	1.1253	2800	21140	8090
CCFH-2 1/2-SB	2.500	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	1 11/16	1.2503	3450	32900	11720
CCFH-2 3/4-SB	2.750	1.500	1.250	2 1/4	1 1/8	1 1/4-12	9/16	1/8	3/16	1 11/16	1.2503	3450	32900	11720
CCFH-3-SB	3.000	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	① 1/4	2 1/8	1.5003	5000	49820	15720
CCFH-3 1/4-SB	3.250	1.750	1.500	2 1/2	1 1/4	1 1/2-12	5/8	1/8	① 1/4	2 1/8	1.5003	5000	49820	15720
CCFH-3 1/2-SB	3.500	2.000	1.750	2 3/4	1 3/8	1 3/4-12	11/16	1/8	① 1/4	2 7/16	1.7503	5000	63250	22800
CCFH-4-SB	4.000	2.250	2.000	3 1/2	1 1/2	2-12	3/4	1/8	① 1/4	2 51/64	2.0003	5000	89540	29985

* Clamping torque is based on dry threads. If threads are lubricated, use half of values shown.
① Lubrication hole (F) at bottom of hex hole and 1/4 inch straight drive fitting with ball check supplied but not installed.
Hex hole standard on sizes above CCFH-4-SB.
See page 28 for bearing dimensions.

Unsealed cam follower bearings

* TORRINGTON®		RBC		McGILL	
STD. STUD UNSEALED	HEAVY STUD UNSEALED	STD. STUD UNSEALED	HEAVY STUD UNSEALED	STD. STUD UNSEALED	HEAVY STUD UNSEALED
CR-8 CR-8-1	CRH-8-1	S-16 S-18	H-16 H-18	CF-1/2-N CF-1/2 CF-9/16	CFH-1/2 CFH-9/16
CR-10 CR-10-1	CRH-10-1	S-20	H-20	CF-5/8-N CF-5/8	CFH-5/8
CR-12 CR-14 CR-16 CR-18	CRH-12 CRH-14 CRH-16 CRH-18	S-22 S-24 S-28 S-32 S-36	H-22 H-24 H-28 H-32 H-36	CF-11/16 CF-3/4 CF-7/8 CF-1 CF-1 1/8	CFH-11/16 CFH-3/4 CFH-7/8 CFH-1 CFH-1 1/8
CR-20 CR-22 CR-24 CR-26 CR-28	CRH-20 CRH-22 CRH-24 CRH-26 CRH-28	S-40 S-44 S-48 S-52 S-56	H-40 H-44 H-48 H-52 H-56	CF-1 1/4 CF-1 3/8 CF-1 1/2 CF-1 5/8 CF-1 3/4	CFH-1 1/4 CFH-1 3/8 CFH-1 1/2 CFH-1 5/8 CFH-1 3/4
CR-30 CR-32 CR-36 CR-40 CR-44	CRH-30 CRH-32 CRH-36 CRH-40 CRH-44	S-60 S-64 S-72 S-80 S-88	H-60 H-64 H-72 H-80 H-88	CF-1 7/8 CF-2 CF-2 1/4 CF-2 1/2 CF-2 3/4	CFH-1 7/8 CFH-2 CFH-2 1/4 CFH-2 1/2 CFH-2 3/4
CR-48 CR-52 CR-56 CR-64	CRH-48 CRH-52 CRH-56 CRH-64	S-96 S-104 S-112 S-128	H-96 H-104 H-112 H-128	CF-3 CF-3 1/4 CF-3 1/2 CF-4	CFH-3 CFH-3 1/4 CFH-3 1/2 CFH-4

* SMITH®				* INA®		McGILL	
OLD STD. STUD UNSEALED	NEW STD. STUD UNSEALED	OLD HEAVY STUD UNSEALED	NEW HEAVY STUD UNSEALED	STD. STUD UNSEALED	HEAVY STUD UNSEALED	STD. STUD UNSEALED	HEAVY STUD UNSEALED
CTA-1-A CTA-3 CTA-5 CTA-9-A CTA-13	CR-1/2-A CR-1/2 CR-9/16 CR-5/8-A CR-5/8	HCS-3 HCS-13	HR-1/2 HR-5/8	CF-8-1 CF-10-1	NA NA NA NA NA	CF-1/2-N CF-1/2 CF-9/16 CF-5/8-N CF-5/8	CFH-1/2 CFH-9/16 CFH-5/8
CTA-15 CTA-21 CTA-27 CTA-31 CTA-35	CR-11/16 CR-3/4 CR-7/8 CR-1 CR-1 1/8	HCS-21 HCS-27 HCS-31 HCS-35	HR-3/4 HR-7/8 HR-1 HR-1 1/8	CF-12 CF-14 CF-16 CF-18	NA NA NA NA NA	CF-11/16 CF-3/4 CF-7/8 CF-1 CF-1 1/8	CFH-11/16 CFH-3/4 CFH-7/8 CFH-1 CFH-1 1/8
CTA-45 CTA-47 CTA-51 CTA-57 CTA-65	CR-1 1/4 CR-1 3/8 CR-1 1/2 CR-1 5/8 CR-1 3/4	HCS-45 HCS-47 HCS-51 HCS-57 HCS-65	HR-1 1/4 HR-1 3/8 HR-1 1/2 HR-1 5/8 HR-1 3/4	CF-20 CF-22 CF-24 CF-26 CF-28	NA NA NA NA NA	CF-1 1/4 CF-1 3/8 CF-1 1/2 CF-1 5/8 CF-1 3/4	CFH-1 1/4 CFH-1 3/8 CFH-1 1/2 CFH-1 5/8 CFH-1 3/4
CTA-69 CTA-75 CTA-79 CTA-85 CTA-93	CR-1 7/8 CR-2 CR-2 1/4 CR-2 1/2 CR-2 3/4	HCS-69 HCS-75 HCS-79 HCS-85 HCS-93	HR-1 7/8 HR-2 HR-2 1/4 HR-2 1/2 HR-2 3/4	CF-30 CF-32 CF-36 CF-40 CF-44	NA NA NA NA NA	CF-1 7/8 CF-2 CF-2 1/4 CF-2 1/2 CF-2 3/4	CFH-1 7/8 CFH-2 CFH-2 1/4 CFH-2 1/2 CFH-2 3/4
CTA-101 CTA-109 CTA-117 CTA-125	CR-3 CR-3 1/4 CR-3 1/2 CR-4	HCS-101 HCS-109 HCS-117 HCS-125	HR-3 HR-3 1/4 HR-3 1/2 HR-4	CF-48 CF-52 CF-56 CF-64	NA NA NA NA	CF-3 CF-3 1/4 CF-3 1/2 CF-4	CFH-3 CFH-3 1/4 CFH-3 1/2 CFH-4

NA = Not Available

Coding for other cam follower types

OPTIONAL FEATURE	McGILL	* TORRINGTON®	RBC	* SMITH®	* INA®
Hex Hole	Add Suffix "B"	Add Prefix "B"	Add Suffix "W"	Add Suffix "B"	Add Suffix "SK"
Eccentric Stud	Add Prefix "E"	Add Prefix "E"	Add Suffix "X"	Add Suffix "E"	Add Prefix "E"
Crowned O.D.	Add Prefix "C"	Add Prefix "C"	Add Prefix "C"	Add Suffix "C"	Add Suffix "Y"
LUBRI-DISC® Seal	Add Suffix "S"	Add Prefix "S"	Add Suffix "L"	-	-

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