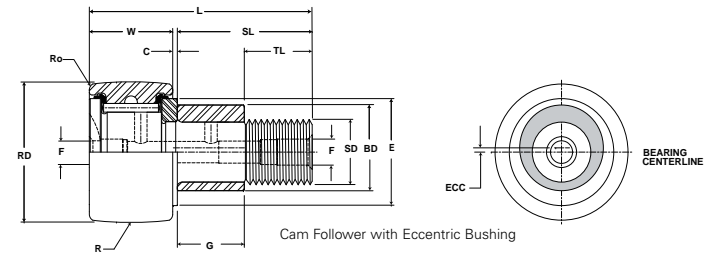
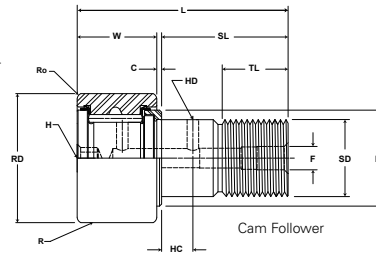


# McGILL<sup>®</sup> Inch Cam Follower Bearings



- Basic Construction Type:** Stud Type Crowned / Cylindrical Outside Diameter
- Rolling Elements:** Full Complement Needle Roller
- Bearing Material:** Bearing Quality Steel
- Seal Type:** LUBRI-DISC<sup>®</sup>
- Lubrication:** Lithium Soap Grease NLGI #2
- System Configuration:** Concentric / Eccentric / Heavy Stud
- Mounting Feature:** Slot / Hex Hole



## CF, CFE, CFH

W/O SEALS	PART No.	RD		W		SD		SL	C	TL	L	R	ECC			TRACK ROLLER DYNAMIC RATING	TRACK ROLLER STATIC RATING
		ROLLER DIAMETER		ROLLER WIDTH		STUD DIAMETER		STUD LENGTH	ENDPLATE EXTENSION	MIN THREAD LENGTH	LENGTH OVERALL	CROWN PREFIX CFE XX	ECCENTRIC BASE MODIFIER CFE XX				
		inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm		
CF 1/2	CF 1/2 S	.500	+0/-0.01	.375	+0/-0.005	.190	+0.01/-0	.63	.031	.25	1.03	Cylindrical				680	790
CF 1/2 B	CF 1/2 SB	12.70	+0/-0.03	9.53	+0/-0.13	4.83	+0.03/-0	15.9	.8	6.4	26.2	7	N/A	N/A	N/A	3,025	3,514
CCF 1/2	CCF 1/2 S											7					
CCF 1/2 B	CCF 1/2 SB											178					
CFE 1/2	CFE 1/2 S	.500	+0/-0.01	.375	+0/-0.005	.190	+0.01/-0	.63	.031	.25	1.03	Cylindrical	.010	.375	.250	680	790
CFE 1/2 B	CFE 1/2 SB	12.70	+0/-0.03	9.53	+0/-0.13	4.83	+0.03/-0	15.9	.8	6.4	26.2	7	.25	9.53	6.35	3,025	3,514
CCFE 1/2	CCFE 1/2 S											7					
CCFE 1/2 B	CCFE 1/2 SB											178					
CFH 1/2	CFH 1/2 S	.500	+0/-0.01	.375	+0/-0.005	.190	+0.01/-0	.63	.031	.25	1.03	Cylindrical				680	1,580
CFH 1/2 B	CFH 1/2 SB	12.70	+0/-0.03	9.53	+0/-0.13	4.83	+0.03/-0	15.9	.8	6.4	26.2	7	N/A	N/A	N/A	3,025	7,028
CCFH 1/2	CCFH 1/2 S											7					
CCFH 1/2 B	CCFH 1/2 SB											178					
CF 1/2 N	CF 1/2 N S	.500	+0/-0.01	.344	+0/-0.005	.190	+0.01/-0	.50	.031	.25	.88	Cylindrical				620	720
CF 1/2 N B	CF 1/2 N SB	12.70	+0/-0.03	8.74	+0/-0.13	4.83	+0.03/-0	12.7	.8	6.4	22.2	6	N/A	N/A	N/A	2,758	3,203
CCF 1/2 N	CCF 1/2 N S											152					
CCF 1/2 N B	CCF 1/2 N SB											6					
CFE 1/2 N	CFE 1/2 N S	.500	+0/-0.01	.344	+0/-0.005	.190	+0.01/-0	.50	.031	.25	.88	Cylindrical	.010	.250	.250	620	720
CFE 1/2 N B	CFE 1/2 N SB	12.70	+0/-0.03	8.74	+0/-0.13	4.83	+0.03/-0	12.7	.8	6.4	22.2	6	.25	6.35	6.35	2,758	3,203
CCFE 1/2 N	CCFE 1/2 N S											6					
CCFE 1/2 N B	CCFE 1/2 N SB											152					
CF 9/16	CF 9/16 S	.5625	+0/-0.01	.375	+0/-0.005	.190	+0.01/-0	.63	.031	.25	1.03	Cylindrical				680	790
CF 9/16 B	CF 9/16 SB	14.29	+0/-0.03	9.53	+0/-0.13	4.83	+0.03/-0	15.9	.8	6.4	26.2	7	N/A	N/A	N/A	3,025	3,514
CCF 9/16	CCF 9/16 S											7					
CCF 9/16 B	CCF 9/16 SB											178					
CFE 9/16	CFE 9/16 S	.5625	+0/-0.01	.375	+0/-0.005	.190	+0.01/-0	.63	.031	.25	1.03	Cylindrical	.010	.375	.250	680	790
CFE 9/16 B	CFE 9/16 SB	14.29	+0/-0.03	9.53	+0/-0.13	4.83	+0.03/-0	15.9	.8	6.4	26.2	7	.25	9.53	6.35	3,025	3,514
CCFE 9/16	CCFE 9/16 S											7					
CCFE 9/16 B	CCFE 9/16 SB											178					
CFH 9/16	CFH 9/16 S	.5625	+0/-0.01	.375	+0/-0.005	.250	+0.01/-0	.63	.031	.25	1.03	Cylindrical				680	1,580
CFH 9/16 B	CFH 9/16 SB	14.29	+0/-0.03	9.53	+0/-0.13	6.35	+0.03/-0	15.9	.8	6.4	26.2	7	N/A	N/A	N/A	3,025	7,028
CCFH 9/16	CCFH 9/16 S											7					
CCFH 9/16 B	CCFH 9/16 SB											178					

## CF, CFE, CFH

W/O SEALS	PART No.	HC	HD	F	E	Ro	HBD		THREAD TYPE	CLAMPING TORQUE	LIMITING SPEED (GREASE)	WT
		HOLE CENTER	RADIAL HOLE DIAMETER	AXIAL HOLE DIA OR FITTING	MIN BOSS DIAMETER	OUTER CORNER	HOUSING BORE DIAMETER					
		inch	inch	inch	inch	inch	NOM.	TOL.				
CF 1/2	CF 1/2 S				.410	.016			10-32	15	11,500	.04
CF 1/2 B	CF 1/2 SB			.125	10.41	.40	1.903	+0.002/-0.003		2		.02
CCF 1/2	CCF 1/2 S			3.175		N/A	4.834	+0.005/-0.008				
CCF 1/2 B	CCF 1/2 SB											
CFE 1/2	CFE 1/2 S				.410	.016			10-32	15	11,500	.04
CFE 1/2 B	CFE 1/2 SB			.125	10.41	.40	.253	+0.001/-0.001		2		.02
CCFE 1/2	CCFE 1/2 S			3.175		N/A	6.42	+0.025/-0.025				
CCFE 1/2 B	CCFE 1/2 SB											
CFH 1/2	CFH 1/2 S				.410	.016			1/4-28	35	11,500	.04
CFH 1/2 B	CFH 1/2 SB			.125	10.41	.40	2.503	+0.002/-0.003		4		.02
CCFH 1/2	CCFH 1/2 S			3.175		N/A	6.358	+0.005/-0.008				
CCFH 1/2 B	CCFH 1/2 SB											
CF 1/2 N	CF 1/2 N S				.410	.016			10-32	15	11,500	.04
CF 1/2 N B	CF 1/2 N SB			.125	10.41	.40	1.903	+0.002/-0.003		2		.02
CCF 1/2 N	CCF 1/2 N S			3.175		N/A	4.834	+0.005/-0.008				
CCF 1/2 N B	CCF 1/2 N SB											
CFE 1/2 N	CFE 1/2 N S				.410	.016			10-32	15	11,500	.04
CFE 1/2 N B	CFE 1/2 N SB			.125	10.41	.40	.253	+0.001/-0.001		2		.02
CCFE 1/2 N	CCFE 1/2 N S			3.175		N/A	6.42	+0.025/-0.025				
CCFE 1/2 N B	CCFE 1/2 N SB											
CF 9/16	CF 9/16 S				.410	.016			10-32	15	10,000	.04
CF 9/16 B	CF 9/16 SB			.125	10.41	.40	1.903	+0.002/-0.003		2		.02
CCF 9/16	CCF 9/16 S			3.175		N/A	4.834	+0.005/-0.008				
CCF 9/16 B	CCF 9/16 SB											
CFE 9/16	CFE 9/16 S				.410	.016			10-32	15	10,000	.04
CFE 9/16 B	CFE 9/16 SB			.125	10.41	.40	.253	+0.001/-0.001		2		.02
CCFE 9/16	CCFE 9/16 S			3.175		N/A	6.42	+0.025/-0.025				
CCFE 9/16 B	CCFE 9/16 SB											
CFH 9/16	CFH 9/16 S				.410	.016			1/4-28	35	10,000	.04
CFH 9/16 B	CFH 9/16 SB			.125	10.41	.40	2.503	+0.002/-0.003		4		.02
CCFH 9/16	CCFH 9/16 S			3.175		N/A	6.358	+0.005/-0.008				
CCFH 9/16 B	CCFH 9/16 SB											

For positive clamping, use housing thickness equal to G dimension +.010". Clamping torque is based on dry threads. If threads are lubricated, use half of value shown.

# MCGILL<sup>®</sup> Inch Cam Follower Bearings



**Basic Construction Type:** Stud Type Crowned / Cylindrical Outside Diameter

**Rolling Elements:** Full Complement Needle Roller

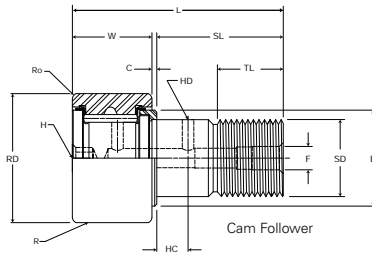
**Bearing Material:** Bearing Quality Steel

**Seal Type:** LUBRI-DISC<sup>®</sup>

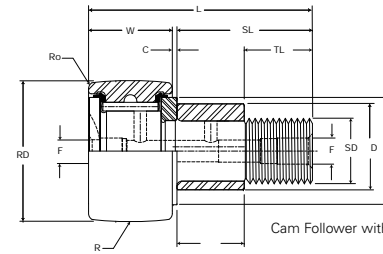
**Lubrication:** Lithium Soap Grease NLGI #2

**System Configuration:** Concentric / Eccentric / Heavy Stud

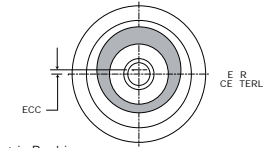
**Mounting Feature:** Slot / Hex Hole



Cam Follower



Cam Follower with Eccentric Bushing



## CF, CFE, CFH

W/O SEALS	PART No.	RD		W		SD		SL	C	TL	L	R	ECC	G	BD	TRACK ROLLER DYNAMIC RATING	TRACK ROLLER STATIC RATING		
		ROLLER DIAMETER		ROLLER WIDTH		STUD DIAMETER		STUD LENGTH	ENDPLATE EXTENSION	MIN THREAD LENGTH	LENGTH OVERALL	CROWN PREFIX CFE XX	ECCENTRIC BASE MODIFIER CFE XX						
		inch		inch		inch		inch	inch	inch	inch	inch	inch						
		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.	(REF)	(REF)	(REF)	(REF)	RADIUS (REF)	(REF)	+0/-010	±.001			lb/N	
CF 5/8	CF 5/8 S	.625 +0/-001		.438 +0/-005		.250 +001/0		.75	.031	.31	1.22	Cylindrical				955	1,215		
CF 5/8 B	CF 5/8 SB	15.88 +0/-03		11.11 +0/-13		6.35 +03/0		.75	.031	.31	1.22	8	N/A	N/A	N/A			4,248	5,404
CCF 5/8	CCF 5/8 S											203							
CCF 5/8 B	CCF 5/8 SB																		
CFE 5/8	CFE 5/8 S	.625 +0/-001		.438 +0/-005		.250 +001/0		.75	.031	.31	1.22	Cylindrical	.015	.437	.375	955	1,215		
CFE 5/8 B	CFE 5/8 SB	15.88 +0/-03		11.11 +0/-13		6.35 +03/0		.75	.031	.31	1.22	8	.38	11.10	9.53			4,248	5,404
CCFE 5/8	CCFE 5/8 S											203							
CCFE 5/8 B	CCFE 5/8 SB																		
CFH 5/8	CFH 5/8 S	.625 +0/-001		.438 +0/-005		.3125 +001/0		.75	.031	.31	1.22	Cylindrical				955	2,480		
CFH 5/8 B	CFH 5/8 SB	15.88 +0/-03		11.11 +0/-13		7.94 +03/0		.75	.031	.31	1.22	8	N/A	N/A	N/A			4,248	11,031
CCFH 5/8	CCFH 5/8 S											203							
CCFH 5/8 B	CCFH 5/8 SB																		
CF 5/8 N	CF 5/8 N S	.625 +0/-001		.406 +0/-005		.250 +001/0		.63	.031	.31	1.06	Cylindrical				930	1,085		
CF 5/8 N B	CF 5/8 N SB	15.88 +0/-03		10.31 +0/-13		6.35 +03/0		15.9	.031	.31	1.06	7	N/A	N/A	N/A			4,137	4,826
CCF 5/8 N	CCF 5/8 N S											178							
CCF 5/8 N B	CCF 5/8 N SB												.015	.437	.375				
CCFE 5/8 N	CCFE 5/8 N S												.38	11.10	9.53				
CF 11/16	CF 11/16 S	.688 +0/-001		.438 +0/-005		.250 +001/0		.75	.031	.31	1.22	Cylindrical				955	1,215		
CF 11/16 B	CF 11/16 SB	17.46 +0/-03		11.11 +0/-13		6.35 +03/0		.75	.031	.31	1.22	8	N/A	N/A	N/A			4,248	5,404
CCF 11/16	CCF 11/16 S											203							
CCF 11/16 B	CCF 11/16 SB																		
CFE 11/16	CFE 11/16 S	.688 +0/-001		.438 +0/-005		.250 +001/0		.75	.031	.31	1.22	Cylindrical	.015	.437	.375	955	1,215		
CFE 11/16 B	CFE 11/16 SB	17.46 +0/-03		11.11 +0/-13		6.35 +03/0		.75	.031	.31	1.22	8	.38	11.10	9.53			4,248	5,404
CCFE 11/16	CCFE 11/16 S											203							
CCFE 11/16 B	CCFE 11/16 SB																		
CFH 11/16	CFH 11/16 S	.688 +0/-001		.438 +0/-005		.3125 +001/0		.75	.031	.31	1.22	Cylindrical				955	2,480		
CFH 11/16 B	CFH 11/16 SB	17.46 +0/-03		11.11 +0/-13		7.94 +03/0		.75	.031	.31	1.22	8	N/A	N/A	N/A			4,248	11,031
CCFH 11/16	CCFH 11/16 S											203							
CCFH 11/16 B	CCFH 11/16 SB																		

## CF, CFE, CFE

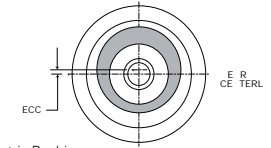
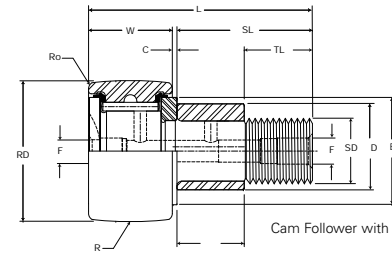
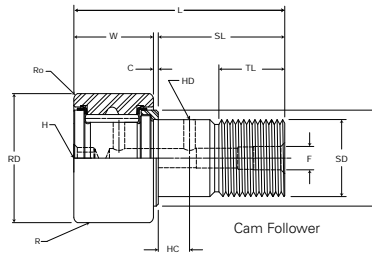
W/O SEALS	PART No.	HC	HD	F	E	Ro	HBD		THREAD TYPE	CLAMPING TORQUE	LIMITING SPEED (GREASE)	WT	
		HOLE CENTER	RADIAL HOLE DIAMETER	AXIAL HOLE DIA OR FITTING	MIN BOSS DIAMETER	OUTER CORNER	HOUSING BORE DIAMETER						
		inch		inch		inch							
		(REF)	(REF)	(REF)	(REF)	(REF)	NOM.	TOL.					in-lb Nm
CF 5/8	CF 5/8 S					.016			1/4-28	35	4	9,200	
CF 5/8 B	CF 5/8 SB			.125		.40	2503	+0002/-0003					.05
CCF 5/8	CCF 5/8 S			3.175			6.358	+0005/-0008					
CCF 5/8 B	CCF 5/8 SB					N/A							
CFE 5/8	CFE 5/8 S					.016			5/16-24	90	10	9,200	
CFE 5/8 B	CFE 5/8 SB			.125		.40	.378	+001/-001					
CCFE 5/8	CCFE 5/8 S			3.175		N/A	9.60	+025/-025					
CCFE 5/8 B	CCFE 5/8 SB												
CFH 5/8	CFH 5/8 S					.016			5/16-24	90	10	9,200	
CFH 5/8 B	CFH 5/8 SB			.125		.40	.3128	+0002/-0003					
CCFH 5/8	CCFH 5/8 S			3.175		N/A	7.945	+0005/-0008					
CCFH 5/8 B	CCFH 5/8 SB												
CF 5/8 N	CF 5/8 N S					.016			1/4-28	35	4	9,200	
CF 5/8 N B	CF 5/8 N SB					.40	2503	+0002/-0003					
CCF 5/8 N	CCF 5/8 N S			.125		N/A	6.358	+0005/-0008					
CCF 5/8 N B	CCF 5/8 N SB												
CCFE 5/8 N	CCFE 5/8 N S												
CF 11/16	CF 11/16 S					.016			1/4-28	35	4	8,300	
CF 11/16 B	CF 11/16 SB			.125		.40	2503	+0002/-0003					
CCF 11/16	CCF 11/16 S			3.175		N/A	6.358	+0005/-0008					
CCF 11/16 B	CCF 11/16 SB												
CFE 11/16	CFE 11/16 S					.016			5/16-24	90	10	8,300	
CFE 11/16 B	CFE 11/16 SB			.125		.40	.378	+001/-001					
CCFE 11/16	CCFE 11/16 S			3.175		N/A	9.60	+025/-025					
CCFE 11/16 B	CCFE 11/16 SB												
CFH 11/16	CFH 11/16 S					.016			5/16-24	90	10	8,300	
CFH 11/16 B	CFH 11/16 SB			.125		.40	.3128	+0002/-0003					
CCFH 11/16	CCFH 11/16 S			3.175		N/A	7.945	+0005/-0008					
CCFH 11/16 B	CCFH 11/16 SB												

For positive clamping, use housing thickness equal to G dimension +.010". Clamping torque is based on dry threads. If threads are lubricated, use half of value shown.

# McGILL<sup>®</sup> Inch Cam Follower Bearings



- Basic Construction Type:** Stud Type Crowned / Cylindrical Outside Diameter
- Rolling Elements:** Full Complement Needle Roller
- Bearing Material:** Bearing Quality Steel
- Seal Type:** LUBRI-DISC<sup>®</sup>
- Lubrication:** Lithium Soap Grease NLGI #2
- System Configuration:** Concentric / Eccentric / Heavy Stud
- Mounting Feature:** Slot / Hex Hole



## CF, CFE, CFH

W/O SEALS	PART No.	RD		W		SD		SL	C	TL	L	R	ECC	G	BD	TRACK ROLLER DYNAMIC RATING	TRACK ROLLER STATIC RATING
		ROLLER DIAMETER		ROLLER WIDTH		STUD DIAMETER		STUD LENGTH	ENDPLATE EXTENSION	MIN THREAD LENGTH	LENGTH OVERALL	CROWN PREFIX CFF XX	ECCENTRIC BASE MODIFIER CFE XX				
		inch		inch		inch		inch	inch	inch	inch	inch	inch				
		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.	(REF)	(REF)	(REF)	(REF)	RADIUS (REF)	(REF)	+0/- .010	±.001		
CF 3/4	CF 3/4 S	.750	+0/- .001	.500	+0 / -.005	.375	+ .001/0	.88	.031	.38	1.41	Cylindrical					
CF 3/4 B	CF 3/4 SB	19.05	+0/- .03	12.70	+0 / -.13	9.53	+ .03/0	22.2	.8	9.5	35.7	10	N/A	N/A	N/A	1,660	2,065
CCF 3/4	CCF 3/4 S											254				7,384	9,185
CCF 3/4 B	CCF 3/4 SB																
CFE 3/4	CFE 3/4 S	.750	+0/- .001	.500	+0 / -.005	.375	+ .001/0	.88	.031	.38	1.41	Cylindrical	.015	.500	.500		
CFE 3/4 B	CFE 3/4 SB	19.05	+0/- .03	12.70	+0 / -.13	9.53	+ .03/0	22.2	.8	9.5	35.7	10	.38	12.70	12.70		
CCFE 3/4	CCFE 3/4 S											254					
CCFE 3/4 B	CCFE 3/4 SB																
CFH 3/4	CFH 3/4 S	.750	+0/- .001	.500	+0 / -.005	.4375	+ .001/0	.88	.031	.38	1.41	Cylindrical				1,660	4,130
CFH 3/4 B	CFH 3/4 SB	19.05	+0/- .03	12.70	+0 / -.13	11.11	+ .03/0	22.2	.8	9.5	35.7	10	N/A	N/A	N/A	7,384	18,370
CCFH 3/4	CCFH 3/4 S											254					
CCFH 3/4 B	CCFH 3/4 SB																
CF 7/8	CF 7/8 S	.875	+0/- .001	.500	+0 / -.005	.375	+ .001/0	.88	.031	.38	1.41	Cylindrical					
CF 7/8 B	CF 7/8 SB	22.23	+0/- .03	12.70	+0 / -.13	9.53	+ .03/0	22.2	.8	9.5	35.7	10	N/A	N/A	N/A	1,660	2,065
CCF 7/8	CCF 7/8 S											254				7,384	9,185
CCF 7/8 B	CCF 7/8 SB																
CFE 7/8	CFE 7/8 S	.875	+0/- .001	.500	+0 / -.005	.375	+ .001/0	.88	.031	.38	1.41	Cylindrical	.015	.500	.500		
CFE 7/8 B	CFE 7/8 SB	22.23	+0/- .03	12.70	+0 / -.13	9.53	+ .03/0	22.2	.8	9.5	35.7	10	.38	12.70	12.70		
CCFE 7/8	CCFE 7/8 S											254					
CCFE 7/8 B	CCFE 7/8 SB																
CFH 7/8	CFH 7/8 S	.875	+0/- .001	.500	+0 / -.005	.4375	+ .001/0	.88	.031	.38	1.41	Cylindrical				1,660	4,130
CFH 7/8 B	CFH 7/8 SB	22.23	+0/- .03	12.70	+0 / -.13	11.11	+ .03/0	22.2	.8	9.5	35.7	10	N/A	N/A	N/A	7,384	18,370
CCFH 7/8	CCFH 7/8 S											254					
CCFH 7/8 B	CCFH 7/8 SB																

## CF, CFE, CFH

W/O SEALS	PART No.	HC	HD	F	E	Ro	HBD		THREAD TYPE	CLAMPING TORQUE	LIMITING SPEED (GREASE)	WT
		HOLE CENTER	RADIAL HOLE DIAMETER	AXIAL HOLE DIA OR FITTING	MIN BOSS DIAMETER	OUTER CORNER	HOUSING BORE DIAMETER					
		inch	inch	inch	inch	inch	inch					
		(REF)	(REF)	(REF)	(REF)	(REF)	NOM.	TOL.				
CF 3/4	CF 3/4 S					.016						
CF 3/4 B	CF 3/4 SB	.25	.0938	.1875		.40	.3753	+ .0002/- .0003				
CCF 3/4	CCF 3/4 S	6	2	5		N/A	9.533	+ .0005/- .0008				
CCF 3/4 B	CCF 3/4 SB				.609	N/A			3/8-24	95	6,400	.07
CFE 3/4	CFE 3/4 S				15.48	.016						
CFE 3/4 B	CFE 3/4 SB	.25	.0938	.1875		.40	.503	+ .001/- .001				
CCFE 3/4	CCFE 3/4 S	6	2	5		N/A	12.77	+ .025/- .025				
CCFE 3/4 B	CCFE 3/4 SB					N/A						
CFH 3/4	CFH 3/4 S					.016						
CFH 3/4 B	CFH 3/4 SB	.25	.0938	.1875	.609	.40	.4378	+ .0002/- .0003	7/16-20	250	6,400	.08
CCFH 3/4	CCFH 3/4 S	6	2	5	15.48	N/A	11.120	+ .0005/- .0008				
CCFH 3/4 B	CCFH 3/4 SB					N/A						
CF 7/8	CF 7/8 S					.016						
CF 7/8 B	CF 7/8 SB	.25	.0938	.1875		.40	.3753	+ .0002/- .0003				
CCF 7/8	CCF 7/8 S	6	2	5		N/A	9.533	+ .0005/- .0008				
CCF 7/8 B	CCF 7/8 SB				.609	N/A			3/8-24	95	5,400	.09
CFE 7/8	CFE 7/8 S				15.48	.016						
CFE 7/8 B	CFE 7/8 SB	.25	.0938	.1875		.40	.503	+ .001/- .001				
CCFE 7/8	CCFE 7/8 S	6	2	5		N/A	12.77	+ .025/- .025				
CCFE 7/8 B	CCFE 7/8 SB					N/A						
CFH 7/8	CFH 7/8 S					.016						
CFH 7/8 B	CFH 7/8 SB	.25	.0938	.1875	.609	.40	.4378	+ .0002/- .0003	7/16-20	250	5,400	.11
CCFH 7/8	CCFH 7/8 S	6	2	5	15.48	N/A	11.120	+ .0005/- .0008				
CCFH 7/8 B	CCFH 7/8 SB					N/A						

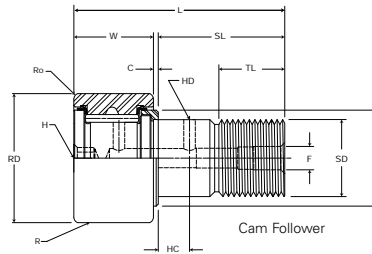
For positive clamping, use housing thickness equal to G dimension = .010".  
Clamping torque is based on dry threads. If threads are lubricated, use half of value shown.



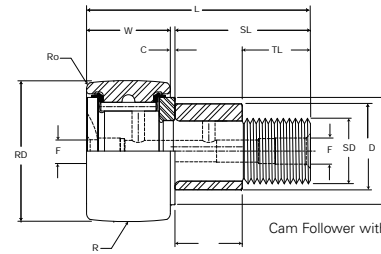
# McGILL<sup>®</sup> Inch Cam Follower Bearings



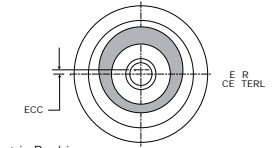
- Basic Construction Type:** Stud Type Crowned / Cylindrical Outside Diameter
- Rolling Elements:** Full Complement Needle Roller
- Bearing Material:** Bearing Quality Steel
- Seal Type:** LUBRI-DISC<sup>®</sup>
- Lubrication:** Lithium Soap Grease NLGI #2
- System Configuration:** Concentric / Eccentric / Heavy Stud
- Mounting Feature:** Slot / Hex Hole



Cam Follower



Cam Follower with Eccentric Bushing



## CF, CFE, CFH

W/O SEALS	PART No.	RD		W		SD		SL	C	TL	L	R	ECCENTRIC			TRACK ROLLER DYNAMIC RATING	TRACK ROLLER STATIC RATING
		ROLLER DIAMETER		ROLLER WIDTH		STUD DIAMETER		STUD LENGTH	ENDPLATE EXTENSION	MIN THREAD LENGTH	LENGTH OVERALL	CROWN PREFIX CCF-XX	BASE MODIFIER CFE-XX				
		inch		inch		inch		inch	inch	inch	inch	inch	inch				
		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.	(REF)	(REF)	(REF)	(REF)	RADIUS (REF)	(REF)	+0/- .010	±.001		
CF 1	CF 1 S											Cylindrical					
CF 1 B	CF 1 SB	1.000	+0/- .001	.625	+0/- .005	.4375	+0.01/0	1.00	.031	.50	1.66						
CCF 1	CCF 1 S	25.40	+0/- .03	15.88	+0/- .13	11.11	+ .03/0	25.4	.8	12.7	42.1		N/A	N/A	N/A	2,225	3,060
CCF 1 B	CCF 1 SB											12 305				9,897	13,611
CFE 1	CFE 1 S											Cylindrical	.030	.500	.625		
CFE 1 B	CFE 1 SB	1.000	+0/- .001	.625	+0/- .005	.4375	+0.01/0	1.00	.031	.50	1.66						
CCFE 1	CCFE 1 S	25.40	+0/- .03	15.88	+0/- .13	11.11	+ .03/0	25.4	.8	12.7	42.1		.76	12.70	15.88		
CCFE 1 B	CCFE 1 SB											12 305					
CFH 1	CFH 1 S											Cylindrical					
CFH 1 B	CFH 1 SB	1.000	+0/- .001	.625	+0/- .005	.625	+0.01/0	1.00	.031	.50	1.66					2,225	6,120
CCFH 1	CCFH 1 S	25.40	+0/- .03	15.88	+0/- .13	15.88	+ .03/0	25.4	.8	12.7	42.1		N/A	N/A	N/A	9,897	27,222
CCFH 1 B	CCFH 1 SB											12 305					
CF 1 1/8	CF 1 1/8 S											Cylindrical					
CF 1 1/8 B	CF 1 1/8 SB	1.125	+0/- .001	.625	+0/- .005	.4375	+0.01/0	1.00	.031	.50	.031						
CCF 1 1/8	CCF 1 1/8 S	28.58	+0/- .03	15.88	+0/- .13	11.11	+ .03/0	25.4	.8	12.7	.8		N/A	N/A	N/A	2,225	3,060
CCF 1 1/8 B	CCF 1 1/8 SB											12 305				9,897	13,611
CFE 1 1/8	CFE 1 1/8 S											Cylindrical	.030	.500	.625		
CFE 1 1/8 B	CFE 1 1/8 SB	1.125	+0/- .001	.625	+0/- .005	.4375	+0.01/0	1.00	.031	.50	1.66						
CCFE 1 1/8	CCFE 1 1/8 S	28.58	+0/- .03	15.88	+0/- .13	11.11	+ .03/0	25.4	.8	12.7	42.1		.76	12.70	15.88		
CCFE 1 1/8 B	CCFE 1 1/8 SB											12 305					
CFH 1 1/8	CFH 1 1/8 S											Cylindrical					
CFH 1 1/8 B	CFH 1 1/8 SB	1.125	+0/- .001	.625	+0/- .005	.625	+0.01/0	1.00	.031	.50	1.66					2,225	6,120
CCFH 1 1/8	CCFH 1 1/8 S	28.58	+0/- .03	15.88	+0/- .13	15.88	+ .03/0	25.4	.8	12.7	42.1		N/A	N/A	N/A	9,897	27,222
CCFH 1 1/8 B	CCFH 1 1/8 SB											12 305					

## CF, CFE, CFH

W/O SEALS	PART No.	HC	HD	F	E	Ro	HBD		THREAD TYPE	CLAMPING TORQUE	LIMITING SPEED (GREASE)	WT
		HOLE CENTER	RADIAL HOLE DIAMETER	AXIAL HOLE DIA OR FITTING	MIN BOSS DIAMETER	OUTER CORNER	HOUSING BORE DIAMETER					
		inch	inch	inch	inch	inch	inch					
		(REF)	(REF)	(REF)	(REF)	(REF)	NOM.	TOL.				
CF 1	CF 1 S											
CF 1 B	CF 1 SB	.25	.0938	.1875		.031						
CCF 1	CCF 1 S	6	2	5		.79						
CCF 1 B	CCF 1 SB				.781	N/A			7/16-20	250	4,800	.17
CFE 1	CFE 1 S											
CFE 1 B	CFE 1 SB	.25	.0938	.1875		.031						
CCFE 1	CCFE 1 S	6	2	5		.79						
CCFE 1 B	CCFE 1 SB				.781	N/A			7/16-20	250	4,800	.19
CFH 1	CFH 1 S											
CFH 1 B	CFH 1 SB	.25	.0938	.1875	.781	.031			5/8-18	650	4,800	.20
CCFH 1	CCFH 1 S	6	2	5	19.84	.79			5/8-18	73	4,800	.09
CCFH 1 B	CCFH 1 SB				19.84	N/A			7/16-20	250	3,400	.19
CF 1 1/8	CF 1 1/8 S											
CF 1 1/8 B	CF 1 1/8 SB	.25	.0938	.1875		.031						
CCF 1 1/8	CCF 1 1/8 S	6	2	5		.79						
CCF 1 1/8 B	CCF 1 1/8 SB				.781	N/A			7/16-20	250	3,400	.19
CFE 1 1/8	CFE 1 1/8 S											
CFE 1 1/8 B	CFE 1 1/8 SB	.25	.0938	.1875		.031						
CCFE 1 1/8	CCFE 1 1/8 S	6	2	5		.79						
CCFE 1 1/8 B	CCFE 1 1/8 SB				.781	N/A			7/16-20	250	3,400	.19
CFH 1 1/8	CFH 1 1/8 S											
CFH 1 1/8 B	CFH 1 1/8 SB	.25	.0938	.1875	.781	.031			5/8-18	650	4,800	.24
CCFH 1 1/8	CCFH 1 1/8 S	6	2	5	19.84	.79			5/8-18	73	4,800	.11
CCFH 1 1/8 B	CCFH 1 1/8 SB				19.84	N/A			7/16-20	250	3,400	.19

For positive clamping, use housing thickness equal to G dimension = .010".  
Clamping torque is based on dry threads. If threads are lubricated, use half of value shown.

# McGILL<sup>®</sup> Inch Cam Follower Bearings



**Basic Construction Type:** Stud Type Crowned / Cylindrical Outside Diameter

**Rolling Elements:** Full Complement Needle Roller

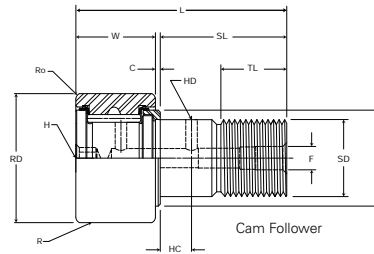
**Bearing Material:** Bearing Quality Steel

**Seal Type:** LUBRI-DISC<sup>®</sup>

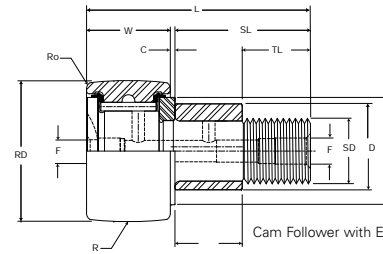
**Lubrication:** Lithium Soap Grease NLGI #2

**System Configuration:** Concentric / Eccentric / Heavy Stud

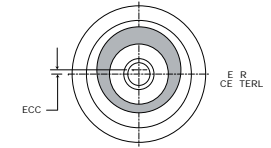
**Mounting Feature:** Slot / Hex Hole



Cam Follower



Cam Follower with Eccentric Bushing



## CF, CFE, CFH

W/O SEALS	PART No.	RD		W		SD		SL	C	TL	L	R	ECCENTRIC			TRACK ROLLER DYNAMIC RATING	TRACK ROLLER STATIC RATING
		ROLLER DIAMETER		ROLLER WIDTH		STUD DIAMETER		STUD LENGTH	ENDPLATE EXTENSION	MIN THREAD LENGTH	LENGTH OVERALL	CROWN PREFIX CFE XX	BASE MODIFIER CFE XX				
		inch		inch		inch		inch	inch	inch	inch	inch	inch				
		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.	(REF)	(REF)	(REF)	(REF)	RADIUS (REF)	(REF)	+0/- .010	±.001		
CF 1 1/4	CF 1 1/4 S											Cylindrical					
CF 1 1/4 B	CF 1 1/4 SB	1.250	+0/- .001	.750	+0/- .005	.500	+001/0	1.25	.031	.63	2.03						
CCF 1 1/4	CCF 1 1/4 S	31.75	+0/- .03	19.05	+0/- .13	12.70	+03/-0	31.8	.8	15.9	51.6	14	N/A	N/A	N/A	3,930	4,250
CCF 1 1/4 B	CCF 1 1/4 SB											356				17,481	18,904
CFE 1 1/4	CFE 1 1/4 S											Cylindrical					
CFE 1 1/4 B	CFE 1 1/4 SB	1.250	+0/- .001	.750	+0/- .005	.500	+001/0	1.25	.031	.63	2.03		.030	.625	.687		
CCFE 1 1/4	CCFE 1 1/4 S	31.75	+0/- .03	19.05	+0/- .13	12.70	+03/-0	31.8	.8	15.9	51.6	14	.76	15.88	17.45		
CCFE 1 1/4 B	CCFE 1 1/4 SB											356					
CFH 1 1/4	CFH 1 1/4 S											Cylindrical					
CFH 1 1/4 B	CFH 1 1/4 SB	1.250	+0/- .001	.750	+0/- .005	.750	+001/0	1.25	.031	.63	2.03					3,930	8,500
CCFH 1 1/4	CCFH 1 1/4 S	31.75	+0/- .03	19.05	+0/- .13	19.05	+03/-0	31.8	.8	15.9	51.6	14	N/A	N/A	N/A	17,481	37,808
CCFH 1 1/4 B	CCFH 1 1/4 SB											356					
CF 1 3/8	CF 1 3/8 S											Cylindrical					
CF 1 3/8 B	CF 1 3/8 SB	1.375	+0/- .001	.750	+0/- .005	.500	+001/0	1.25	.031	.63	2.03						
CCF 1 3/8	CCF 1 3/8 S	34.93	+0/- .03	19.05	+0/- .13	12.70	+03/-0	31.8	.8	15.9	51.6	14	N/A	N/A	N/A	3,930	4,250
CCF 1 3/8 B	CCF 1 3/8 SB											356				17,481	18,904
CFE 1 3/8	CFE 1 3/8 S											Cylindrical					
CFE 1 3/8 B	CFE 1 3/8 SB	1.375	+0/- .001	.750	+0/- .005	.500	+001/0	1.25	.031	.63	2.03		.030	.625	.687		
CCFE 1 3/8	CCFE 1 3/8 S	34.93	+0/- .03	19.05	+0/- .13	12.70	+03/-0	31.8	.8	15.9	51.6	14	.76	15.88	17.45		
CCFE 1 3/8 B	CCFE 1 3/8 SB											356					
CFH 1 3/8	CFH 1 3/8 S											Cylindrical					
CFH 1 3/8 B	CFH 1 3/8 SB	1.375	+0/- .001	.750	+0/- .005	.750	+001/0	1.25	.031	.63	2.03					3,930	8,500
CCFH 1 3/8	CCFH 1 3/8 S	34.93	+0/- .03	19.05	+0/- .13	19.05	+03/-0	31.8	.8	15.9	51.6	14	N/A	N/A	N/A	17,481	37,808
CCFH 1 3/8 B	CCFH 1 3/8 SB											356					

## CF, CFE, CFH

W/O SEALS	PART No.	HC	HD	F	E	Ro	HBD		THREAD TYPE	CLAMPING TORQUE	LIMITING SPEED (GREASE)	WT
		HOLE CENTER	RADIAL HOLE DIAMETER	AXIAL HOLE DIA OR FITTING	MIN BOSS DIAMETER	OUTER CORNER	HOUSING BORE DIAMETER					BEARING WEIGHT
		inch		inch		inch		inch				
		(REF)	(REF)	(REF)	(REF)	(REF)	NOM.	TOL.				in-lb Nm
CF 1 1/4	CF 1 1/4 S					.031						
CF 1 1/4 B	CF 1 1/4 SB	.3125	.0938	.1875		.79	.5003	+0002/-0003				
CCF 1 1/4	CCF 1 1/4 S	.8	2	5		N/A	12.708	+0005/-0008	1/2-20	350	3,100	.30
CCF 1 1/4 B	CCF 1 1/4 SB				.984					40		.14
CFE 1 1/4	CFE 1 1/4 S					.031						
CFE 1 1/4 B	CFE 1 1/4 SB	.3125	.0938	.1875		.79	.690	+001/-001				
CCFE 1 1/4	CCFE 1 1/4 S	.8	2	5		N/A	17.52	+025/-025				
CCFE 1 1/4 B	CCFE 1 1/4 SB				.984							
CFH 1 1/4	CFH 1 1/4 S					.031						
CFH 1 1/4 B	CFH 1 1/4 SB	.3125	.0938	.1875	.984	.79	.7503	+0002/-0003	3/4-16	1,250	3,100	.38
CCFH 1 1/4	CCFH 1 1/4 S	.8	2	5	25.00	N/A	19.058	+0005/-0008		141		.17
CCFH 1 1/4 B	CCFH 1 1/4 SB											
CF 1 3/8	CF 1 3/8 S					.047						
CF 1 3/8 B	CF 1 3/8 SB	.3125	.0938	.1875		1.19	.5003	+0002/-0003				
CCF 1 3/8	CCF 1 3/8 S	.8	2	5		N/A	12.708	+0005/-0008	1/2-20	350	2,800	.35
CCF 1 3/8 B	CCF 1 3/8 SB				.984					40		.16
CFE 1 3/8	CFE 1 3/8 S					.047						
CFE 1 3/8 B	CFE 1 3/8 SB	.3125	.0938	.1875		1.19	.690	+001/-001				
CCFE 1 3/8	CCFE 1 3/8 S	.8	2	5		N/A	17.52	+025/-025				
CCFE 1 3/8 B	CCFE 1 3/8 SB				.984							
CFH 1 3/8	CFH 1 3/8 S					.047						
CFH 1 3/8 B	CFH 1 3/8 SB	.3125	.0938	.1875	.984	1.19	.7503	+0002/-0003	3/4-16	1,250	2,800	.44
CCFH 1 3/8	CCFH 1 3/8 S	.8	2	5	25.00	N/A	19.059	+0005/-0008		141		.19
CCFH 1 3/8 B	CCFH 1 3/8 SB											

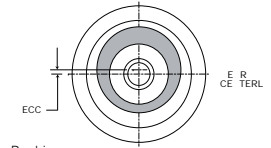
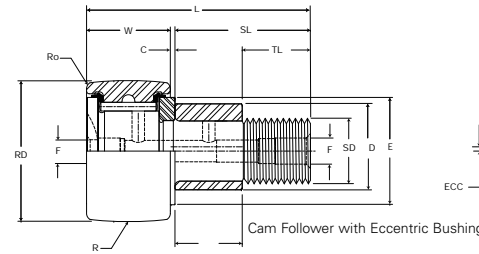
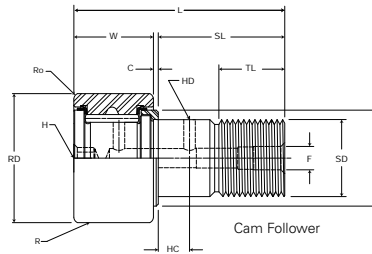
For positive clamping, use housing thickness equal to G dimension + .010". Clamping torque is based on dry threads. If threads are lubricated, use half of value shown.



# McGILL<sup>®</sup> Inch Cam Follower Bearings



- Basic Construction Type:** Stud Type Crowned / Cylindrical Outside Diameter
- Rolling Elements:** Full Complement Needle Roller
- Bearing Material:** Bearing Quality Steel
- Seal Type:** LUBRI-DISC<sup>®</sup>
- Lubrication:** Lithium Soap Grease NLGI #2
- System Configuration:** Concentric / Eccentric / Heavy Stud
- Mounting Feature:** Slot / Hex Hole



## CF, CFE, CFH

W/O SEALS	PART No.	RD		W		SD		SL	C	TL	L	R	ECCENTRIC			TRACK ROLLER DYNAMIC RATING	TRACK ROLLER STATIC RATING
		ROLLER DIAMETER		ROLLER WIDTH		STUD DIAMETER		STUD LENGTH	ENDPLATE EXTENSION	MIN THREAD LENGTH	LENGTH OVERALL	CROWN PREFIX CCF-XX	BASE MODIFIER CFE-XX				
		inch		inch		inch		inch	inch	inch	inch	inch	inch				
		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.	(REF)	(REF)	(REF)	(REF)	RADIUS (REF)	(REF)	+0/- .010	±.001		
CF 1 1/2	CF 1 1/2 S	1.500	+0/- .001	.875	+0/- .005	.625	+0.01/0	1.50	.031	.75	2.41	Cylindrical					
CF 1 1/2 B	CF 1 1/2 SB	38.10	+0/- .03	22.23	+0/- .13	15.88	+0.03/0	38.1	.8	19.1	61.1	20	N/A	N/A	N/A	4,840	5,640
CCF 1 1/2	CCF 1 1/2 S											508				21,528	25,087
CCF 1 1/2 B	CCF 1 1/2 SB																
CFE 1 1/2	CFE 1 1/2 S	1.500	+0/- .001	.875	+0/- .005	.625	+0.01/0	1.50	.031	.75	2.41	Cylindrical	.030	.750	.875		
CFE 1 1/2 B	CFE 1 1/2 SB	38.10	+0/- .03	22.23	+0/- .13	15.88	+0.03/0	38.1	.8	19.1	61.1	20	.76	19.05	22.23		
CCFE 1 1/2	CCFE 1 1/2 S											508					
CCFE 1 1/2 B	CCFE 1 1/2 SB																
CFH 1 1/2	CFH 1 1/2 S	1.500	+0/- .001	.875	+0/- .005	.875	+0.01/0	1.50	.031	.75	2.41	Cylindrical				4,840	11,280
CFH 1 1/2 B	CFH 1 1/2 SB	38.10	+0/- .03	22.23	+0/- .13	22.23	+0.03/0	38.1	.8	19.1	61.1	20	N/A	N/A	N/A	21,528	50,173
CCFH 1 1/2	CCFH 1 1/2 S											508					
CCFH 1 1/2 B	CCFH 1 1/2 SB																
CF 1 5/8	CF 1 5/8 S	1.625	+0/- .001	.875	+0/- .005	.625	+0.01/0	1.50	.031	.75	2.41	Cylindrical					
CF 1 5/8 B	CF 1 5/8 SB	41.28	+0/- .03	22.23	+0/- .13	15.88	+0.03/0	38.1	.8	19.1	61.1	20	N/A	N/A	N/A	4,840	5,640
CCF 1 5/8	CCF 1 5/8 S											508				21,528	25,087
CCF 1 5/8 B	CCF 1 5/8 SB																
CFE 1 5/8	CFE 1 5/8 S	1.625	+0/- .001	.875	+0/- .005	.625	+0.01/0	1.50	.031	.75	2.41	Cylindrical	.030	.750	.875		
CFE 1 5/8 B	CFE 1 5/8 SB	41.28	+0/- .03	22.23	+0/- .13	15.88	+0.03/0	38.1	.8	19.1	61.1	20	.76	19.05	22.23		
CCFE 1 5/8	CCFE 1 5/8 S											508					
CCFE 1 5/8 B	CCFE 1 5/8 SB																
CFH 1 5/8	CFH 1 5/8 S	1.625	+0/- .001	.875	+0/- .005	.875	+0.01/0	1.50	.031	.75	2.41	Cylindrical				4,840	11,280
CFH 1 5/8 B	CFH 1 5/8 SB	41.28	+0/- .03	22.23	+0/- .13	22.23	+0.03/0	38.1	.8	19.1	61.1	20	N/A	N/A	N/A	21,528	50,173
CCFH 1 5/8	CCFH 1 5/8 S											508					
CCFH 1 5/8 B	CCFH 1 5/8 SB																

## CF, CFE, CFH

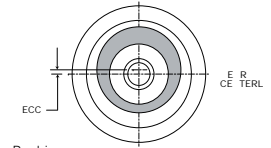
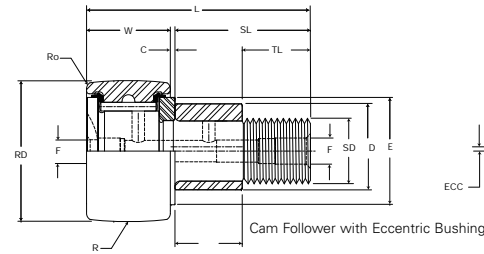
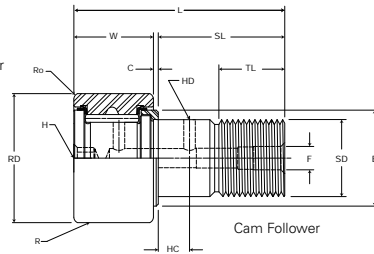
W/O SEALS	PART No.	HC	HD	F	E	Ro	HBD		THREAD TYPE	CLAMPING TORQUE	LIMITING SPEED (GREASE)	WT
		HOLE CENTER	RADIAL HOLE DIAMETER	AXIAL HOLE DIA OR FITTING	MIN BOSS DIAMETER	OUTER CORNER	HOUSING BORE DIAMETER					
		inch		inch		inch						
		(REF)	(REF)	(REF)	(REF)	(REF)	NOM.	TOL.				
CF 1 1/2	CF 1 1/2 S					.063						
CF 1 1/2 B	CF 1 1/2 SB	.375	.0938	.1875		1.59	.6253	+0.002/-0.003				
CCF 1 1/2	CCF 1 1/2 S	10	2	5			15.883	+0.005/-0.008				
CCF 1 1/2 B	CCF 1 1/2 SB				1.094				5/8-18	650	2,500	.53
CFE 1 1/2	CFE 1 1/2 S					.063						
CFE 1 1/2 B	CFE 1 1/2 SB	.375	.0938	.1875		1.59	.878	+0.01/-0.001				
CCFE 1 1/2	CCFE 1 1/2 S	10	2	5			22.30	+0.025/-0.025				
CCFE 1 1/2 B	CCFE 1 1/2 SB				1.094							
CFH 1 1/2	CFH 1 1/2 S					.063						
CFH 1 1/2 B	CFH 1 1/2 SB	.375	.0938	.1875	1.094	1.59	.8753	+0.002/-0.003	7/8-14	1,500	2,500	.69
CCFH 1 1/2	CCFH 1 1/2 S	10	2	5	2.778		22.233	+0.005/-0.008				.31
CCFH 1 1/2 B	CCFH 1 1/2 SB											
CF 1 5/8	CF 1 5/8 S					.063						
CF 1 5/8 B	CF 1 5/8 SB	.375	.0938	.1875		1.59	.6253	+0.002/-0.003				
CCF 1 5/8	CCF 1 5/8 S	10	2	5			15.883	+0.005/-0.008				
CCF 1 5/8 B	CCF 1 5/8 SB				1.094				5/8-18	650	2,350	.60
CFE 1 5/8	CFE 1 5/8 S					.063						
CFE 1 5/8 B	CFE 1 5/8 SB	.375	.0938	.1875		1.59	.878	+0.01/-0.001				
CCFE 1 5/8	CCFE 1 5/8 S	10	2	5			22.30	+0.025/-0.025				
CCFE 1 5/8 B	CCFE 1 5/8 SB				1.094							
CFH 1 5/8	CFH 1 5/8 S					.063						
CFH 1 5/8 B	CFH 1 5/8 SB	.375	.0938	.1875	1.094	1.59	.8753	+0.002/-0.003	7/8-14	1,500	2,350	.75
CCFH 1 5/8	CCFH 1 5/8 S	10	2	5	2.778		22.233	+0.005/-0.008				.34
CCFH 1 5/8 B	CCFH 1 5/8 SB											

For positive clamping, use housing thickness equal to G dimension + .010".  
Clamping torque is based on dry threads. If threads are lubricated, use half of value shown.

# McGILL<sup>®</sup> Inch Cam Follower Bearings



- Basic Construction Type:** Stud Type Crowned / Cylindrical Outside Diameter
- Rolling Elements:** Full Complement Needle Roller
- Bearing Material:** Bearing Quality Steel
- Seal Type:** LUBRI-DISC<sup>®</sup>
- Lubrication:** Lithium Soap Grease NLGI #2
- System Configuration:** Concentric / Eccentric / Heavy Stud
- Mounting Feature:** Slot / Hex Hole



## CF, CFE, CFH

W/O SEALS	PART No.	RD		W		SD		SL	C	TL	L	R	ECC	G	BD	TRACK ROLLER DYNAMIC RATING	TRACK ROLLER STATIC RATING	
		ROLLER DIAMETER		ROLLER WIDTH		STUD DIAMETER		STUD LENGTH	ENDPLATE EXTENSION	MIN THREAD LENGTH	LENGTH OVERALL	CROWN PREFIX CCF-XX	ECCENTRIC BASE MODIFIER CFE-XX					
		inch		inch		inch		inch	inch	inch	inch	inch	inch					
		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.	(REF)	(REF)	(REF)	(REF)	RADIUS (REF)	(REF)	+0/- .010	±.001			lb/N
CF 1 3/4	CF 1 3/4 S											Cylindrical						
CF 1 3/4 B	CF 1 3/4 SB																	
CCF 1 3/4	CCF 1 3/4 S	1.750	+0/- .001	1.000	+0/- .005	.750	+0.01/-0	1.75	.031	.88	2.78		N/A	N/A	N/A			
CCF 1 3/4 B	CCF 1 3/4 SB	44.45	+0/- .03	25.40	+0/- .13	19.05	+0.03/-0	44.5	.8	22.2	70.6	20	508			6,385	7,920	
																28,400	35,228	
CFE 1 3/4	CFE 1 3/4 S											Cylindrical						
CFE 1 3/4 B	CFE 1 3/4 SB																	
CCFE 1 3/4	CCFE 1 3/4 S	1.750	+0/- .001	1.000	+0/- .005	.750	+0.01/-0	1.75	.031	.88	2.78		.030	.875	1.000			
CCFE 1 3/4 B	CCFE 1 3/4 SB	44.45	+0/- .03	25.40	+0/- .13	19.05	+0.03/-0	44.5	.8	22.2	70.6	20	508	.76	22.23	25.40		
CFH 1 3/4	CFH 1 3/4 S											Cylindrical						
CFH 1 3/4 B	CFH 1 3/4 SB																	
CCFH 1 3/4	CCFH 1 3/4 S	1.750	+0/- .001	1.000	+0/- .005	1.000	+0.01/-0	1.75	.031	.88	2.78		N/A	N/A	N/A			
CCFH 1 3/4 B	CCFH 1 3/4 SB	44.45	+0/- .03	25.40	+0/- .13	25.40	+0.03/-0	44.5	.8	22.2	70.6	20	508			6,385	15,840	
																28,400	70,456	
CF 1 7/8	CF 1 7/8 S											Cylindrical						
CF 1 7/8 B	CF 1 7/8 SB																	
CCF 1 7/8	CCF 1 7/8 S	1.875	+0/- .001	1.000	+0/- .005	.750	+0.01/-0	1.75	.031	.88	2.78		N/A	N/A	N/A			
CCF 1 7/8 B	CCF 1 7/8 SB	47.63	+0/- .03	25.40	+0/- .13	19.05	+0.03/-0	44.5	.8	22.2	70.6	20	508			6,385	7,920	
																28,400	35,228	
CFE 1 7/8	CFE 1 7/8 S											Cylindrical						
CFE 1 7/8 B	CFE 1 7/8 SB																	
CCFE 1 7/8	CCFE 1 7/8 S	1.875	+0/- .001	1.000	+0/- .005	.750	+0.01/-0	1.75	.031	.88	2.78		.030	.875	1.000			
CCFE 1 7/8 B	CCFE 1 7/8 SB	47.63	+0/- .03	25.40	+0/- .13	19.05	+0.03/-0	44.5	.8	22.2	70.6	20	508	.76	22.24	25.40		
CFH 1 7/8	CFH 1 7/8 S											Cylindrical						
CFH 1 7/8 B	CFH 1 7/8 SB																	
CCFH 1 7/8	CCFH 1 7/8 S	1.875	+0/- .001	1.000	+0/- .005	1.000	+0.01/-0	1.75	.031	.88	2.78		N/A	N/A	N/A			
CCFH 1 7/8 B	CCFH 1 7/8 SB	47.63	+0/- .03	25.40	+0/- .13	25.40	+0.03/-0	44.5	.8	22.2	70.6	20	508			6,385	15,840	
																28,400	70,456	

## CF, CFE, CFH

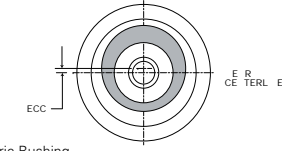
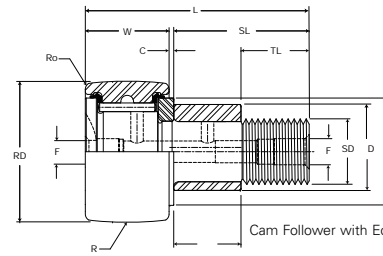
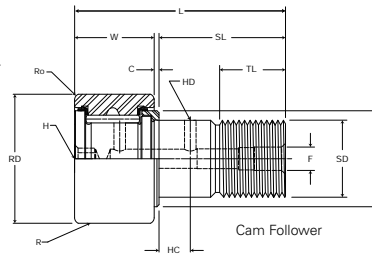
W/O SEALS	PART No.	HC	HD	F	E	Ro	HBD		THREAD TYPE	CLAMPING TORQUE	LIMITING SPEED (GREASE)	WT
		HOLE CENTER	RADIAL HOLE DIAMETER	AXIAL HOLE DIA OR FITTING	MIN BOSS DIAMETER	OUTER CORNER	HOUSING BORE DIAMETER					
		inch		inch		inch						
		(REF)	(REF)	(REF)	(REF)	(REF)	NOM.	TOL.				
CF 1 3/4	CF 1 3/4 S					.063						
CF 1 3/4 B	CF 1 3/4 SB					1.59						
CCF 1 3/4	CCF 1 3/4 S	.4375	.125	.1875			.7503	+0.002/-0.003				
CCF 1 3/4 B	CCF 1 3/4 SB	11	3	5		N/A	19.058	+0.005/-0.008				
					1.250				3/4-16	1,250	2,200	.84
					31.75					141		.38
CFE 1 3/4	CFE 1 3/4 S					.063						
CFE 1 3/4 B	CFE 1 3/4 SB					1.59						
CCFE 1 3/4	CCFE 1 3/4 S	.4375	.125	.1875			1.003	+0.01/-0.01				
CCFE 1 3/4 B	CCFE 1 3/4 SB	11	3	5		N/A	25.47	+0.025/-0.025				
					1.250							
					31.75							
CFH 1 3/4	CFH 1 3/4 S					.063						
CFH 1 3/4 B	CFH 1 3/4 SB					1.59						
CCFH 1 3/4	CCFH 1 3/4 S	.4375	.125	.1875			1.0003	+0.002/-0.003	1-14	2,250	2,200	1.00
CCFH 1 3/4 B	CCFH 1 3/4 SB	11	3	5		N/A	25.408	+0.005/-0.008		254		.45
					1.250							
					31.75							
CF 1 7/8	CF 1 7/8 S					.063						
CF 1 7/8 B	CF 1 7/8 SB					1.59						
CCF 1 7/8	CCF 1 7/8 S	.4375	.125	.1875			.7503	+0.002/-0.003				
CCF 1 7/8 B	CCF 1 7/8 SB	11	3	5		N/A	19.058	+0.005/-0.008				
					1.250				3/4-16	1,250	2,000	.95
					31.75					141		.43
CFE 1 7/8	CFE 1 7/8 S					.063						
CFE 1 7/8 B	CFE 1 7/8 SB					1.59						
CCFE 1 7/8	CCFE 1 7/8 S	.4375	.125	.1875			1.003	+0.01/-0.01				
CCFE 1 7/8 B	CCFE 1 7/8 SB	11	3	5		N/A	25.47	+0.025/-0.025				
					1.250							
					31.75							
CFH 1 7/8	CFH 1 7/8 S					.063						
CFH 1 7/8 B	CFH 1 7/8 SB					1.59						
CCFH 1 7/8	CCFH 1 7/8 S	.4375	.125	.1875			1.0003	+0.002/-0.003	1-14	2,250	2,000	1.15
CCFH 1 7/8 B	CCFH 1 7/8 SB	11	3	5		N/A	25.408	+0.005/-0.008		254		.52
					1.250							
					31.75							

For positive clamping, use housing thickness equal to G dimension ± .010".  
Clamping torque is based on dry threads. If threads are lubricated, use half of value shown.

# MCGILL<sup>®</sup> Inch Cam Follower Bearings



- Basic Construction Type:** Stud Type Crowned / Cylindrical Outside Diameter
- Rolling Elements:** Full Complement Needle Roller
- Bearing Material:** Bearing Quality Steel
- Seal Type:** LUBRI-DISC<sup>®</sup>
- Lubrication:** Lithium Soap Grease NLGI #2
- System Configuration:** Concentric / Eccentric / Heavy Stud
- Mounting Feature:** Slot / Hex Hole



## CF, CFE, CFH

W/O SEALS	PART No.	RD		W		SD		SL	C	MIN	TL	L	R	ECCENTRIC			TRACK ROLLER DYNAMIC RATING	TRACK ROLLER STATIC RATING
		ROLLER DIAMETER		ROLLER WIDTH		STUD DIAMETER		STUD LENGTH	ENDPLATE EXTENSION	THREAD LENGTH	LENGTH OVERALL	CROWN PREFIX C/F XX	BASE MODIFIER C/F XX					
		inch		inch		inch		inch	inch	inch	inch	inch	inch					
		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.	(REF)	(REF)	(REF)	(REF)	RADIUS (REF)	(REF)	+0/- .010	±.001	lb/N		
CF 2	CF 2 S												Cylindrical					
CF 2 B	CF 2 SB																	
CCF 2	CCF 2 S	2.000	+0/- .001	1.250	+0/- .005	.875	+001/0	2.00	.031	1.00	25.4	3.28		N/A	N/A	N/A		
CCF 2 B	CCF 2 SB	50.80	+0/- .03	31.75	+0/- .13	22.23	+03/0	50.8	.8	25.4	83.3	24	610				8,090	10,570
CFE 2	CFE 2 S												Cylindrical					
CFE 2 B	CFE 2 SB																	
CCFE 2	CCFE 2 S	2.000	+0/- .001	1.250	+0/- .005	.875	+001/0	2.00	.031	1.00	25.4	3.28		.030	1.000	1.187		
CCFE 2 B	CCFE 2 SB	50.80	+0/- .03	31.75	+0/- .13	22.23	+03/0	50.8	.8	25.4	83.3	24	610	.76	25.40	30.15		
CFH 2	CFH 2 S												Cylindrical					
CFH 2 B	CFH 2 SB																	
CCFH 2	CCFH 2 S	2.000	+0/- .001	1.250	+0/- .005	1.125	+001/0	2.00	.031	1.00	25.4	3.28		N/A	N/A	N/A	8,090	21,140
CCFH 2 B	CCFH 2 SB	50.80	+0/- .03	31.75	+0/- .13	28.58	+03/0	50.8	.8	25.4	83.3	24	610				35,984	94,031
CF 2 1/4	CF 2 1/4 S												Cylindrical					
CF 2 1/4 B	CF 2 1/4 SB																	
CCF 2 1/4	CCF 2 1/4 S	2.250	+0/- .001	1.250	+0/- .005	.875	+001/0	2.00	.031	1.00	25.4	3.28		N/A	N/A	N/A		
CCF 2 1/4 B	CCF 2 1/4 SB	57.15	+0/- .03	31.75	+0/- .13	22.23	+03/0	50.8	.8	25.4	83.3	24	610				8,090	10,570
CFE 2 1/4	CFE 2 1/4 S												Cylindrical					
CFE 2 1/4 B	CFE 2 1/4 SB																	
CCFE 2 1/4	CCFE 2 1/4 S	2.250	+0/- .001	1.250	+0/- .005	.875	+001/0	2.00	.031	1.00	25.4	3.28		.030	1.000	1.187		
CCFE 2 1/4 B	CCFE 2 1/4 SB	57.15	+0/- .03	31.75	+0/- .13	22.23	+03/0	50.8	.8	25.4	83.3	24	610	.76	25.40	30.15		
CFH 2 1/4	CFH 2 1/4 S												Cylindrical					
CFH 2 1/4 B	CFH 2 1/4 SB																	
CCFH 2 1/4	CCFH 2 1/4 S	2.250	+0/- .001	1.250	+0/- .005	1.125	+001/0	2.00	.031	1.00	25.4	3.28		N/A	N/A	N/A	8,090	21,140
CCFH 2 1/4 B	CCFH 2 1/4 SB	57.15	+0/- .03	31.75	+0/- .13	28.58	+03/0	50.8	.8	25.4	83.3	24	610				35,984	94,031

## CF, CFE, CFH

W/O SEALS	PART No.	HC	HD	F	E	Ro	HBD		THREAD TYPE	CLAMPING TORQUE	LIMITING SPEED (GREASE)	WT
		HOLE CENTER	RADIAL HOLE DIAMETER	AXIAL HOLE DIA OR FITTING	MIN BOSS DIAMETER	OUTER CORNER	HOUSING BORE DIAMETER					
		inch		inch		inch						
		(REF)	(REF)	(REF)	(REF)	(REF)	NOM.	TOL.				
CF 2	CF 2 S					.094						
CF 2 B	CF 2 SB	.50	.125	.1875		2.38						
CCF 2	CCF 2 S	13	3	5			8753 +0002/-0003					
CCF 2 B	CCF 2 SB					N/A	22.233 +0005/-0008		7/8-14	1,500	1,400	1.36
CFE 2	CFE 2 S				1406	.094						
CFE 2 B	CFE 2 SB	.50	.125	.1875		2.38						
CCFE 2	CCFE 2 S	13	3	5			1.190 +001/-001					
CCFE 2 B	CCFE 2 SB					N/A	30.22 +025/-025					
CFH 2	CFH 2 S					.094						
CFH 2 B	CFH 2 SB	.50	.125	.1875	1406	2.38			1 1/8-12	2,800	1,400	1.56
CCFH 2	CCFH 2 S	13	3	5	35.72		1,1253 +0002/-0003					
CCFH 2 B	CCFH 2 SB					N/A	28.583 +0005/-0008					
CF 2 1/4	CF 2 1/4 S					.094						
CF 2 1/4 B	CF 2 1/4 SB	.50	.125	.1875		2.38						
CCF 2 1/4	CCF 2 1/4 S	13	3	5			8753 +0002/-0003					
CCF 2 1/4 B	CCF 2 1/4 SB					N/A	22.233 +0005/-0008		7/8-14	1,500	1,300	1.65
CFE 2 1/4	CFE 2 1/4 S				35.72	.094						
CFE 2 1/4 B	CFE 2 1/4 SB	.50	.125	.1875		2.38						
CCFE 2 1/4	CCFE 2 1/4 S	13	3	5			1.190 +001/-001					
CCFE 2 1/4 B	CCFE 2 1/4 SB					N/A	30.22 +025/-025					
CFH 2 1/4	CFH 2 1/4 S					.094						
CFH 2 1/4 B	CFH 2 1/4 SB	.50	.125	.1875	1406	2.38			1 1/8-12	2,800	1,300	1.88
CCFH 2 1/4	CCFH 2 1/4 S	13	3	5	35.72		1,1253 +0002/-0003					
CCFH 2 1/4 B	CCFH 2 1/4 SB					N/A	28.583 +0005/-0008					

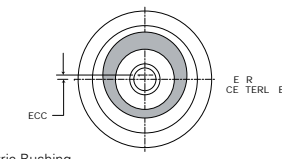
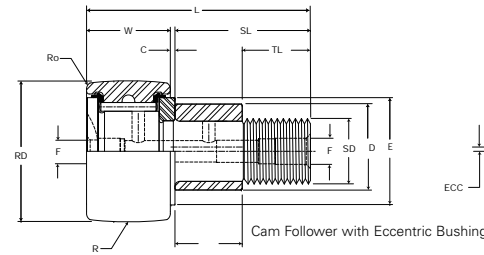
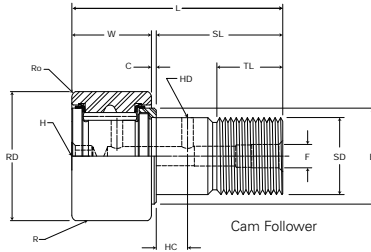
For positive clamping, use housing thickness equal to G dimension = .010".  
Clamping torque is based on dry threads. If threads are lubricated, use half of value shown.



# McGILL<sup>®</sup> Inch Cam Follower Bearings



- Basic Construction Type:** Stud Type Crowned / Cylindrical Outside Diameter
- Rolling Elements:** Full Complement Needle Roller
- Bearing Material:** Bearing Quality Steel
- Seal Type:** LUBRI-DISC<sup>®</sup>
- Lubrication:** Lithium Soap Grease NLGI #2
- System Configuration:** Concentric / Eccentric / Heavy Stud
- Mounting Feature:** Slot / Hex Hole



## CF, CFE, CFH

W/O SEALS	PART No.	RD		W		SD		SL	C	TL	L	R	ECCENTRIC			TRACK ROLLER DYNAMIC RATING	TRACK ROLLER STATIC RATING		
		ROLLER DIAMETER		ROLLER WIDTH		STUD DIAMETER		STUD LENGTH	ENDPLATE EXTENSION	MIN THREAD LENGTH	LENGTH OVERALL	CROWN PREFIX C/F XX	BASE MODIFIER C/F XX						
		inch		inch		inch		inch	inch	inch	inch	inch	inch						
		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.	(REF)	(REF)	(REF)	(REF)	RADIUS (REF)	(REF)	+0/-010	±.001			lb/N	
CF 2 1/2	CF 2 1/2 S	2.500 +0/-001		1.500 +0/-005		1.000 +001/0		2.25	.031	1.125	3.78	Cylindrical	N/A	N/A	N/A	11,720	16,450		
CF 2 1/2 B	CF 2 1/2 SB	63.50 +0/-03		38.10 +0/-13		25.40 +03/0		57.2	.8	28.57	96.0	.30	N/A	N/A	52,131			73,170	
CCF 2 1/2	CCF 2 1/2 S										762								
CFE 2 1/2	CFE 2 1/2 S	2.500 +0/-001		1.500 +0/-005		1.000 +001/0		2.25	.031	1.125	3.78	Cylindrical	.030	1.125	1.375	11,720	16,450		
CFE 2 1/2 B	CFE 2 1/2 SB	63.50 +0/-03		38.10 +0/-13		25.40 +03/0		57.2	.8	28.57	96.0	.30	.76	28.58	34.93			52,131	73,170
CCFE 2 1/2	CCFE 2 1/2 S										762								
CFH 2 1/2	CFH 2 1/2 S	2.500 +0/-001		1.500 +0/-005		1.250 +001/0		2.25	.031	1.125	3.78	Cylindrical	N/A	N/A	N/A	11,720	32,900		
CFH 2 1/2 B	CFH 2 1/2 SB	63.50 +0/-03		38.10 +0/-13		31.75 +03/0		57.2	.8	28.57	96.0	.30	N/A	N/A	N/A			52,131	146,339
CCFH 2 1/2	CCFH 2 1/2 S										762								
CF 2 3/4	CF 2 3/4 S	2.750 +0/-001		1.500 +0/-005		1.000 +001/0		2.25	.031	1.125	3.78	Cylindrical	N/A	N/A	N/A	11,720	16,450		
CF 2 3/4 B	CF 2 3/4 SB	69.85 +0/-03		38.10 +0/-13		25.40 +03/0		57.2	.8	28.57	96.0	.30	N/A	N/A	N/A			52,131	73,170
CCF 2 3/4	CCF 2 3/4 S										762								
CFE 2 3/4	CFE 2 3/4 S	2.750 +0/-001		1.500 +0/-005		1.000 +001/0		2.25	.031	1.125	3.78	Cylindrical	.030	1.125	1.375	11,720	16,450		
CFE 2 3/4 B	CFE 2 3/4 SB	69.85 +0/-03		38.10 +0/-13		25.40 +03/0		57.2	.8	28.57	96.0	.30	.76	28.58	34.93			52,131	73,170
CCFE 2 3/4	CCFE 2 3/4 S										762								
CFH 2 3/4	CFH 2 3/4 S	2.750 +0/-001		1.500 +0/-005		1.250 +001/0		2.25	.031	1.125	3.78	Cylindrical	N/A	N/A	N/A	11,720	32,900		
CFH 2 3/4 B	CFH 2 3/4 SB	69.85 +0/-03		38.10 +0/-13		31.75 +03/0		57.2	.8	28.57	96.0	.30	N/A	N/A	N/A			52,131	146,339
CCFH 2 3/4	CCFH 2 3/4 S										762								

## CF, CFE, CFH

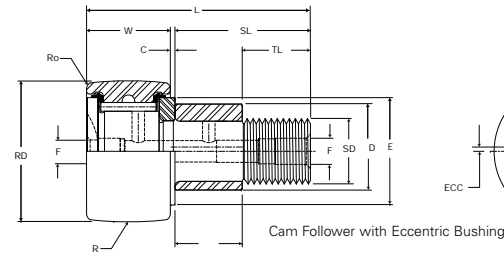
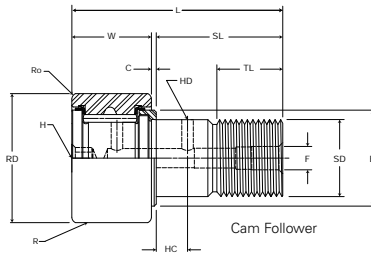
W/O SEALS	PART No.	HC	HD	F	E	Ro	HBD		THREAD TYPE	CLAMPING TORQUE	LIMITING SPEED (GREASE)	WT		
		HOLE CENTER	RADIAL HOLE DIAMETER	AXIAL HOLE DIA OR FITTING	MIN BOSS DIAMETER	OUTER CORNER	HOUSING BORE DIAMETER							
		inch	inch	inch	inch	inch	inch							
		(REF)	(REF)	(REF)	(REF)	(REF)	NOM.	TOL.					in-lb Nm	RPM
CF 2 1/2	CF 2 1/2 S	.5625	.125	.1875		.094	1.0003	+0002/-0003	1-14	2,250	1,100	2.50		
CF 2 1/2 B	CF 2 1/2 SB	.14	3	5		+0005/-0008	25.408	1,100					1.13	
CCF 2 1/2	CCF 2 1/2 S				N/A									
CFE 2 1/2	CFE 2 1/2 S	.5625	.125	.1875	1.688	.094	1.378	+001/-001	1-14	254	1,100	2.50		
CFE 2 1/2 B	CFE 2 1/2 SB	.14	3	5		.238	+0025/-025	35.00					1,100	1.25
CCFE 2 1/2	CCFE 2 1/2 S				N/A									
CFH 2 1/2	CFH 2 1/2 S	.5625	.125	.1875	1.688	.094	1.2503	+0002/-0003	1 1/4-12	390	1,100	2.75		
CFH 2 1/2 B	CFH 2 1/2 SB	.14	3	5		2.38	+0005/-0008	31.758					1,100	1.25
CCFH 2 1/2	CCFH 2 1/2 S				N/A									
CF 2 3/4	CF 2 3/4 S	.5625	.125	.1875		.094	1.0003	+0002/-0003	1-14	254	1,050	2.93		
CF 2 3/4 B	CF 2 3/4 SB	.14	3	5		2.38	+0005/-0008	25.408					1,050	1.33
CCF 2 3/4	CCF 2 3/4 S				N/A									
CFE 2 3/4	CFE 2 3/4 S	.5625	.125	.1875	1.688	.094	1.378	+001/-001	1-14	254	1,050	2.93		
CFE 2 3/4 B	CFE 2 3/4 SB	.14	3	5		2.38	+0025/-025	35.00					1,050	1.47
CCFE 2 3/4	CCFE 2 3/4 S				N/A									
CFH 2 3/4	CFH 2 3/4 S	.5625	.125	.1875	1.688	.094	1.2503	+0002/-0003	1 1/4-12	390	1,050	3.19		
CFH 2 3/4 B	CFH 2 3/4 SB	.14	3	5		2.38	+0005/-0008	31.758					1,050	1.47
CCFH 2 3/4	CCFH 2 3/4 S				N/A									

For positive clamping, use housing thickness equal to G dimension + .010".  
Clamping torque is based on dry threads. If threads are lubricated, use half of value shown.

# McGILL<sup>®</sup> Inch Cam Follower Bearings



- Basic Construction Type:** Stud Type Crowned / Cylindrical Outside Diameter
- Rolling Elements:** Full Complement Needle Roller
- Bearing Material:** Bearing Quality Steel
- Seal Type:** LUBRI-DISC<sup>®</sup>
- Lubrication:** Lithium Soap Grease NLGI #2
- System Configuration:** Concentric / Eccentric / Heavy Stud
- Mounting Feature:** Slot / Hex Hole



## CF, CFE, CFH

W/O SEALS	PART No.	RD		W		SD		SL	C	TL	L	R	ECCENTRIC			TRACK ROLLER DYNAMIC RATING	TRACK ROLLER STATIC RATING		
		ROLLER DIAMETER		ROLLER WIDTH		STUD DIAMETER		STUD LENGTH	ENDPLATE EXTENSION	MIN THREAD LENGTH	LENGTH OVERALL	CROWN PREFIX CCF-XX	BASE MODIFIER CFE-XX						
		inch		inch		inch		inch	inch	inch	inch	inch	inch						
		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.	(REF)	(REF)	(REF)	(REF)	RADIUS (REF)	(REF)	+0/- .010	±.001				
CF 3	CF 3 S	3.000 +0/- .001		1.750 +0/- .005		1.250 +0.01/-0		2.50	.031	1.25	4.28	Cylindrical	N/A	N/A	N/A	15,720	24,910		
CF 3 B	CF 3 SB	76.20 +0/- .03		44.45 +0/- .13		31.75 +.03/-0		63.5	.8	31.75	108.7	.30	N/A	N/A	69,923			110,800	
CCF 3	CCF 3 S											.762	N/A	N/A					24,910
CFE 3	CFE 3 S	3.000 +0/- .001		1.750 +0/- .005		1.250 +0.01/-0		2.50	.031	1.25	4.28	Cylindrical	.060	1.250	1.750	15,720	49,820		
CFE 3 B	CFE 3 SB	76.20 +0/- .03		44.45 +0/- .13		31.75 +.03/-0		63.5	.8	31.75	108.7	.30	.52	31.75	44.45			69,923	110,800
CCFE 3	CCFE 3 S											.762							
CFH 3	CFH 3 S	3.000 +0/- .001		1.750 +0/- .005		1.500 +0.01/-0		2.50	.031	1.25	4.28	Cylindrical	N/A	N/A	N/A	15,720	49,820		
CFH 3 B	CFH 3 SB	76.20 +0/- .03		44.45 +0/- .13		38.10 +.03/-0		63.5	.8	31.75	108.7	.30	N/A	N/A	N/A			69,923	110,800
CCFH 3	CCFH 3 S											.762	N/A	N/A	N/A				
CF 3 1/4	CF 3 1/4 S	3.250 +0/- .001		1.750 +0/- .005		1.250 +0.01/-0		2.50	.031	1.25	4.28	Cylindrical	N/A	N/A	N/A	15,720	24,910		
CF 3 1/4 B	CF 3 1/4 SB	82.55 +0/- .03		44.45 +0/- .13		31.75 +.03/-0		63.5	.8	31.75	108.7	.30	N/A	N/A	N/A			69,923	110,800
CCF 3 1/4	CCF 3 1/4 S											.762	N/A	N/A	N/A				
CFE 3 1/4	CFE 3 1/4 S	3.250 +0/- .001		1.750 +0/- .005		1.250 +0.01/-0		2.50	.031	1.25	4.28	Cylindrical	.060	1.250	1.750	15,720	49,820		
CFE 3 1/4 B	CFE 3 1/4 SB	82.55 +0/- .03		44.45 +0/- .13		31.75 +.03/-0		63.5	.8	31.75	108.7	.30	.52	31.75	44.45			69,923	110,800
CCFE 3 1/4	CCFE 3 1/4 S											.762							
CFH 3 1/4	CFH 3 1/4 S	3.250 +0/- .001		1.750 +0/- .005		1.500 +0.01/-0		2.50	.031	1.25	4.28	Cylindrical	N/A	N/A	N/A	15,720	49,820		
CFH 3 1/4 B	CFH 3 1/4 SB	82.55 +0/- .03		44.45 +0/- .13		38.10 +.03/-0		63.5	.8	31.75	108.7	.30	N/A	N/A	N/A			69,923	110,800
CCFH 3 1/4	CCFH 3 1/4 S											.762	N/A	N/A	N/A				

## CF, CFE, CFH

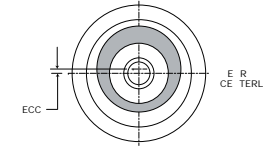
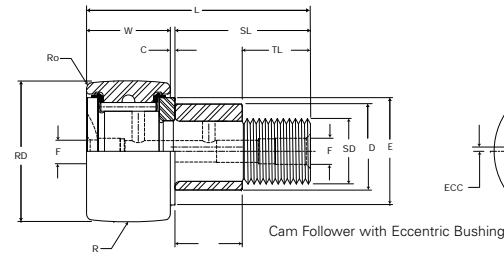
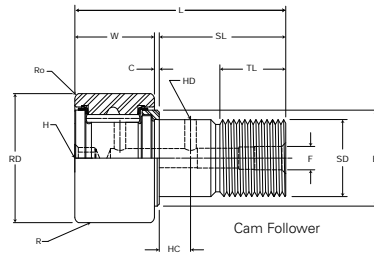
W/O SEALS	PART No.	HC	HD	F	E	Ro	HBD		THREAD TYPE	CLAMPING TORQUE	LIMITING SPEED (GREASE)	WT
		HOLE CENTER	RADIAL HOLE DIAMETER	AXIAL HOLE DIA OR FITTING	MIN BOSS DIAMETER	OUTER CORNER	HOUSING BORE DIAMETER					
		inch	inch	inch	inch	inch	inch					
		(REF)	(REF)	(REF)	(REF)	(REF)	NOM.	TOL.				
CF 3	CF 3 S					.125			1 1/4-12	3,450	950	4.20
CF 3 B	CF 3 SB	.625	.125	.25 * 6		3.18	1.2503	+0.002/- .0003				
CCF 3	CCF 3 S	16	3			N/A	31.758	+0.005/- .0008				
CFE 3	CFE 3 S				2.125	.125			1 1/2-12	5,000	950	4.56
CFE 3 B	CFE 3 SB	.625	.125	.25 * 6	53.98	3.18	1.753	+0.01/- .001				
CCFE 3	CCFE 3 S	16	3			N/A	44.52	+0.025/- .025				
CFH 3	CFH 3 S					.125			1 1/2-12	5,000	950	4.56
CFH 3 B	CFH 3 SB	.625	.125	.25 * 6	2.125	3.18	1.5003	+0.002/- .0003				
CCFH 3	CCFH 3 S	16	3		53.98	N/A	38.108	+0.005/- .0008				
CF 3 1/4	CF 3 1/4 S					.125			1 1/4-12	3,450	880	4.81
CF 3 1/4 B	CF 3 1/4 SB	.625	.125	.25 * 6		3.18	1.2503	+0.002/- .0003				
CCF 3 1/4	CCF 3 1/4 S	16	3			N/A	31.758	+0.005/- .0008				
CFE 3 1/4	CFE 3 1/4 S				2.125	.125			1 1/2-12	5,000	880	5.19
CFE 3 1/4 B	CFE 3 1/4 SB	.625	.125	.25 * 6	53.98	3.18	1.753	+0.01/- .001				
CCFE 3 1/4	CCFE 3 1/4 S	16	3			N/A	44.52	+0.025/- .025				
CFH 3 1/4	CFH 3 1/4 S					.125			1 1/2-12	5,000	880	5.19
CFH 3 1/4 B	CFH 3 1/4 SB	.625	.125	.25 * 6	2.125	3.18	1.5003	+0.002/- .0003				
CCFH 3 1/4	CCFH 3 1/4 S	16	3		53.98	N/A	38.108	+0.005/- .0008				

\* Lubrication hole (F) at bottom of hex hole and 1/4 inch straight drive fitting will ball check supplied but not installed. For positive clamping, use housing thickness equal to G dimension + .010". Clamping torque is based on dry threads. If threads are lubricated, use half of value shown.

# McGILL<sup>®</sup> Inch Cam Follower Bearings



- Basic Construction Type:** Stud Type Crowned / Cylindrical Outside Diameter
- Rolling Elements:** Full Complement Needle Roller
- Bearing Material:** Bearing Quality Steel
- Seal Type:** LUBRI-DISC<sup>®</sup>
- Lubrication:** Lithium Soap Grease NLGI #2
- System Configuration:** Concentric / Eccentric / Heavy Stud
- Mounting Feature:** Slot / Hex Hole



## CF, CFE, CFH

W/O SEALS	PART No.	RD		W		SD		SL	C	TL	L	R	ECCENTRIC			TRACK ROLLER DYNAMIC RATING	TRACK ROLLER STATIC RATING
		ROLLER DIAMETER		ROLLER WIDTH		STUD DIAMETER		STUD LENGTH	ENDPLATE EXTENSION	MIN THREAD LENGTH	LENGTH OVERALL	CROWN PREFIX CCF-XX	BASE MODIFIER CFE-XX				
		inch		inch		inch		inch	inch	inch	inch	inch	inch				
		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.	(REF)	(REF)	(REF)	(REF)	RADIUS (REF)	(REF)	+0/-010	±.001		
CF 3 1/2	CF 3 1/2 S	3.500	+0/-001	2.000	+0/-005	1.375	+001/0	2.75	.031	1.375	4.78	Cylindrical					
CF 3 1/2 B	CF 3 1/2 SB	88.90	+0/-03	50.80	+0/-13	34.93	+03/0	69.9	.8	34.93	121.4		N/A	N/A	N/A	22,800	31,625
CCF 3 1/2	CCF 3 1/2 S											.30				101,414	140,668
CCF 3 1/2 B	CCF 3 1/2 SB											.762					
CFE 3 1/2	CFE 3 1/2 S	3.500	+0/-001	2.000	+0/-005	1.375	+001/0	2.75	.031	1.375	4.78	Cylindrical	.060	1.375	1.812		
CFE 3 1/2 B	CFE 3 1/2 SB	88.90	+0/-03	50.80	+0/-13	34.93	+03/0	69.9	.8	34.93	121.4		.52	34.93	46.02		
CCFE 3 1/2	CCFE 3 1/2 S											.30					
CCFE 3 1/2 B	CCFE 3 1/2 SB											.762					
CFH 3 1/2	CFH 3 1/2 S	3.500	+0/-001	2.000	+0/-005	1.750	+001/0	2.75	.031	1.375	4.78	Cylindrical				22,800	63,250
CFH 3 1/2 B	CFH 3 1/2 SB	88.90	+0/-03	50.80	+0/-13	44.45	+03/0	69.9	.8	34.93	121.4		N/A	N/A	N/A	101,414	281,336
CCFH 3 1/2	CCFH 3 1/2 S											.30					
CCFH 3 1/2 B	CCFH 3 1/2 SB											.762					
CF 4	CF 4 S	4.000	+0/-001	2.250	+0/-005	1.500	+001/0	3.50	.031	1.50	5.78	Cylindrical					
CF 4 B	CF 4 SB	101.60	+0/-03	57.15	+0/-13	38.10	+03/0	88.9	.8	38.1	146.8		N/A	N/A	N/A	22,800	44,770
CCF 4	CCF 4 S											.30				101,414	199,137
CCF 4 B	CCF 4 SB											.762					
CFE 4	CFE 4 S	4.000	+0/-001	2.250	+0/-005	1.500	+001/0	3.50	.031	1.50	5.78	Cylindrical	.060	2.000	2.000		
CFE 4 B	CFE 4 SB	101.60	+0/-03	57.15	+0/-13	38.10	+03/0	88.9	.8	38.1	146.8		.52	50.80	50.80		
CCFE 4	CCFE 4 S											.30					
CCFE 4 B	CCFE 4 SB											.762					
CFH 4	CFH 4 S	4.000	+0/-001	2.250	+0/-005	2.000	+001/0	3.50	.031	1.50	5.78	Cylindrical				29,985	89,540
CFH 4 B	CFH 4 SB	101.60	+0/-03	57.15	+0/-13	50.80	+03/0	88.9	.8	38.1	146.8		N/A	N/A	N/A	133,373	398,274
CCFH 4	CCFH 4 S											.30					
CCFH 4 B	CCFH 4 SB											.762					

## CF, CFE, CFH

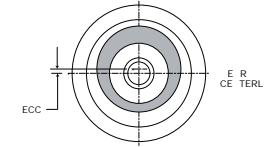
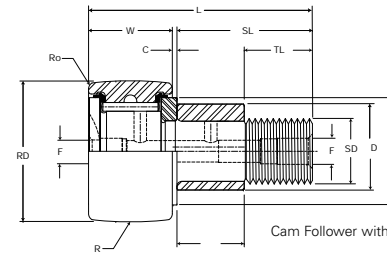
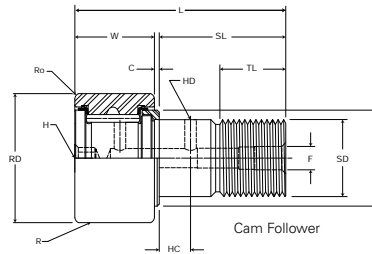
W/O SEALS	PART No.	HC	HD	F	E	Ro	HBD		THREAD TYPE	CLAMPING TORQUE	LIMITING SPEED (GREASE)	WT
		HOLE CENTER	RADIAL HOLE DIAMETER	AXIAL HOLE DIA OR FITTING	MIN BOSS DIAMETER	OUTER CORNER	HOUSING BORE DIAMETER					
		inch	inch	inch	inch	inch	inch					
		(REF)	(REF)	(REF)	(REF)	(REF)	NOM.	TOL.				
CF 3 1/2	CF 3 1/2 S					.125						
CF 3 1/2 B	CF 3 1/2 SB	.6875	.125	.25 * 6		3.18	1.3753	+0002/-0003				
CCF 3 1/2	CCF 3 1/2 S	17	3			N/A	34.933	+0005/-0008				
CCF 3 1/2 B	CCF 3 1/2 SB				2.438				1 3/8-12	4,200	820	6.42
CFE 3 1/2	CFE 3 1/2 S				61.91							
CFE 3 1/2 B	CFE 3 1/2 SB	.6875	.125	.25 * 6		3.18	1.815	+001/-001				
CCFE 3 1/2	CCFE 3 1/2 S	17	3			N/A	46.10	+025/-025				
CCFE 3 1/2 B	CCFE 3 1/2 SB											
CFH 3 1/2	CFH 3 1/2 S					125						
CFH 3 1/2 B	CFH 3 1/2 SB	.6875	.125	.25 * 6	2.438	3.18	1.7503	+0002/-0003	1 3/4-12	5,000	820	7.01
CCFH 3 1/2	CCFH 3 1/2 S	17	3		61.91		44.458	+0005/-0008		565		3.18
CCFH 3 1/2 B	CCFH 3 1/2 SB											
CF 4	CF 4 S					.125						
CF 4 B	CF 4 SB	.75	.125	.25 * 6		3.18	1.5003	+0002/-0003				
CCF 4	CCF 4 S	19	3			N/A	38.108	+0005/-0008				
CCF 4 B	CCF 4 SB				2.797				1 1/2-12	5,000	700	9.46
CFE 4	CFE 4 S				71.04							
CFE 4 B	CFE 4 SB	.75	.125	.25 * 6		3.18	2.002	+001/-001				
CCFE 4	CCFE 4 S	19	3			N/A	50.85	+025/-025				
CCFE 4 B	CCFE 4 SB											
CFH 4	CFH 4 S					.125						
CFH 4 B	CFH 4 SB	.75	.125	.25 * 6	2.797	3.18	2.0003	+0002/-0003	2-12	5,000	700	10.83
CCFH 4	CCFH 4 S	19	3		71.04		50.908	+0005/-0008		565		4.91
CCFH 4 B	CCFH 4 SB											

\* Lubrication hole (F) at bottom of hex hole and 1/4 inch straight drive fitting will ball check supplied but not installed.  
 For positive clamping, use housing thickness equal to G dimension ± 0.01".  
 Clamping torque is based on dry threads. If threads are lubricated, use half of value shown.

# McGILL<sup>®</sup> Inch Cam Follower Bearings



- Basic Construction Type:** Stud Type Crowned / Cylindrical Outside Diameter
- Rolling Elements:** Full Complement Needle Roller
- Bearing Material:** Bearing Quality Steel
- Seal Type:** LUBRI-DISC<sup>®</sup>
- Lubrication:** Lithium Soap Grease NLGI #2
- System Configuration:** Concentric / Eccentric / Heavy Stud
- Mounting Feature:** Slot / Hex Hole



## CF, CFE, CFH

W/O SEALS	PART No.	RD		W		SD		SL	C	TL	L	R	ECCENTRIC			TRACK ROLLER DYNAMIC RATING	TRACK ROLLER STATIC RATING
		ROLLER DIAMETER		ROLLER WIDTH		STUD DIAMETER		STUD LENGTH	ENDPLATE EXTENSION	MIN THREAD LENGTH	LENGTH OVERALL	CROWN PREFIX CCF-XX	BASE MODIFIER CFE-XX				
		inch mm		inch mm		inch mm		inch mm	inch mm	inch mm	inch mm	inch mm	inch mm				
		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.	(REF)	(REF)	(REF)	(REF)	RADIUS (REF)	(REF)	+0/- .010	±.001		
-	CF 5 SB	5.000	+0/- .001	2.750	+0 / -.005	2.000	+001/0	5.06	.062	2.563	7.88	Cylindrical	N/A	N/A	N/A	46,575	67,950
	CCF 5 SB	127.00	+0/- .03	69.85	+0 / -.13	50.80	+03/0	128.6	1.57	65.1	200.0	48 1,219	N/A	N/A	N/A	207,166	302,242
-	CFH 5 SB	5.000	+0/- .001	2.750	+0 / -.005	2.500	+001/0	5.06	.062	2.563	7.88	Cylindrical	N/A	N/A	N/A	46,575	135,900
	CCFH 5 SB	127.00	+0/- .03	69.85	+0 / -.13	63.50	+03/0	128.6	1.57	65.1	200.0	48 1,219	N/A	N/A	N/A	207,166	604,483
-	CF 6 SB	6.000	+0/- .001	3.250	+0 / -.005	2.500	+001/0	6.00	.062	3.00	9.31	Cylindrical	N/A	N/A	N/A	60,000	80,450
	CCF 6 SB	152.40	+0/- .03	82.55	+0 / -.13	63.50	+03/0	152.4	1.57	76.2	236.5	56 1,422	N/A	N/A	N/A	266,880	357,842
-	CFH 6 SB	6.000	+0/- .001	3.250	+0 / -.005	2.500	+001/0	6.00	.062	3.00	9.31	Cylindrical	N/A	N/A	N/A	60,000	160,900
	CCFH 6 SB	152.40	+0/- .03	82.55	+0 / -.13	63.50	+03/0	152.4	1.57	76.2	236.5	56 1,422	N/A	N/A	N/A	266,880	715,683
-	CF 7 SB	7.000	+0/- .001	3.750	+0 / -.005	3.000	+001/0	7.69	.062	4.125	11.50	Cylindrical	N/A	N/A	N/A	75,380	106,930
	CCF 7 SB	177.80	+0/- .03	95.25	+0 / -.13	76.20	+03/0	195.3	1.57	104.77	292.1	60 1,524	N/A	N/A	N/A	335,290	475,625
-	CFH 7 SB	7.000	+0/- .001	3.750	+0 / -.005	3.000	+001/0	7.69	.062	4.125	11.50	Cylindrical	N/A	N/A	N/A	75,380	213,860
	CCFH 7 SB	177.80	+0/- .03	95.25	+0 / -.13	76.20	+03/0	195.3	1.57	104.77	292.1	60 1,524	N/A	N/A	N/A	335,290	951,249
-	CF 8 SB	8.000	+0/- .001	4.250	+0 / -.005	3.250	+001/0	8.50	.125	4.25	12.81	Cylindrical	N/A	N/A	N/A	92,200	144,100
	CCF 8 SB	203.20	+0/- .03	107.95	+0 / -.13	82.55	+03/0	215.9	3.175	107.95	325.4	40 1,016	N/A	N/A	N/A	410,106	640,957
-	CF 9 SB	9.000	+0/- .001	4.750	+0 / -.005	3.750	+001/0	9.50	.125	4.75	14.31	Cylindrical	N/A	N/A	N/A	113,260	183,430
	CCF 9 SB	228.60	+0/- .03	120.65	+0 / -.13	95.25	+03/0	241.3	3.175	120.65	363.5	40 1,016	N/A	N/A	N/A	503,780	815,897
-	CF 10 SB	10.000	+0/- .001	5.250	+0 / -.005	4.250	+001/0	10.00	.125	4.75	15.31	Cylindrical	N/A	N/A	N/A	131,545	215,565
	CCF 10 SB	254.00	+0/- .03	133.35	+0 / -.13	107.95	+03/0	254.0	3.175	120.65	388.9	40 1,016	N/A	N/A	N/A	585,112	958,833

\*Standard tolerances do not apply. Consult Application Engineering.

## CF, CFE, CFH

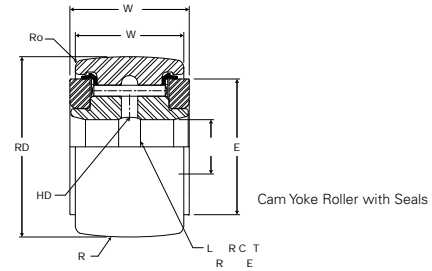
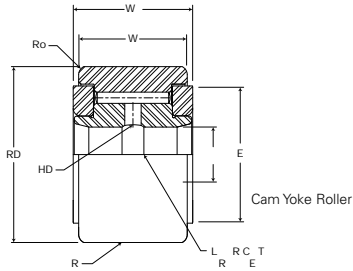
W/O SEALS	PART No.	HC	HD	F	E	Ro	HBD		THREAD TYPE	CLAMPING TORQUE	LIMITING SPEED (GREASE)	WT
		HOLE CENTER	RADIAL HOLE DIAMETER	AXIAL HOLE DIA OR FITTING	MIN BOSS DIAMETER	OUTER CORNER	HOUSING BORE DIAMETER					
		inch mm	inch mm	inch mm	inch mm	inch mm	inch mm					
		(REF)	(REF)	(REF)	(REF)	(REF)	NOM.	TOL.				
-	CF 5 S	.875	.1875	1/4" NPT	3.563	.125	2.0003	+0.002/-0.0003	2-12	5,000	575	19.60
	CCF 5 S	.22	.5	1/4" NPT	90.49	3.18	50.808	+0.005/-0.0008		565		8.89
-	CFH 5 S	.875	.1875	1/4" NPT	3.563	.125	2.5030	+0.002/-0.0003	2 1/2-12	5,000	575	22.10
	CCFH 5 S	.22	.5	1/4" NPT	90.49	3.18	63.576	+0.005/-0.0008		565		10.02
-	CF 6 S	1.00	.1875	1/4" NPT	4.469	.125	2.5030	+0.002/-0.0003	2 1/2-12	5,000	475	32.73
	CCF 6 S	.25	.5	1/4" NPT	113.51	3.18	63.576	+0.005/-0.0008		565		14.85
-	CFH 6 S	1.00	.1875	1/4" NPT	4.469	.125	3.0003	+0.002/-0.0003	3-12	5,000	475	36.41
	CCFH 6 S	.25	.5	1/4" NPT	113.51	3.18	76.208	+0.005/-0.0008		565		16.52
-	CF 7 S	1.25	.1875	1/4" NPT	5.188	.125	3.0003	+0.002/-0.0003	3-12	5,000	400	54.73
	CCF 7 S	.32	.5	1/4" NPT	131.76	3.18	76.208	+0.005/-0.0008		565		24.83
-	CFH 7 S	1.25	.1875	1/4" NPT	5.188	.125	3.5003	+0.002/-0.0003	3 1/2-4	5,000	400	68.03
	CCFH 7 S	.32	.5	1/4" NPT	131.76	3.18	88.908	+0.005/-0.0008		565		30.86
-	CF 8 S	-	-	1/4" NPT	4.375	.219	3.2503	+0.002/-0.0003	3 1/4-4	5,000	350	79.80
	CCF 8 S	-	-	1/4" NPT	111.13	5.56	82.558	+0.005/-0.0008		565		36.19
-	CF 9 S	-	-	1/4" NPT	5.063	.250	3.7503	+0.002/-0.0003	3 1/2-4	5,000	300	111.60
	CCF 9 S	-	-	1/4" NPT	128.59	6.35	95.258	+0.005/-0.0008		565		50.62
-	CF 10 S	-	-	1/4" NPT	5.469	.281	4.2503	+0.002/-0.0003	3 1/2-4	5,000	275	148.20
	CCF 10 S	-	-	1/4" NPT	138.91	7.14	107.958	+0.005/-0.0008		565		67.22

For positive clamping, use housing thickness equal to G dimension + .010".  
Clamping torque based on dry threads. For wet (lubricated) threads, use half of value shown.

# McGILL<sup>®</sup> Inch Cam Follower Bearings



**Basic Construction Type:** Yoke Type Crowned / Cylindrical Outside Diameter  
**Rolling Elements:** Full Complement / Needle Roller  
**Bearing Material:** Bearing Quality Steel  
**Seal Type:** LUBRI-DISC<sup>®</sup>  
**Lubrication:** Lithium Soap Grease NLGI #2



## CYR

W/O SEALS	PART No.	RD		W		B		W1		R	TRACK ROLLER DYNAMIC RATING	TRACK ROLLER STATIC RATING
		ROLLER DIAMETER		ROLLER WIDTH		BORE DIAMETER		OVERALL WIDTH				
		inch mm	TOL	inch mm	TOL	inch mm	TOL	inch mm	TOL			
	CYR 3/4 S	.750	+0/-0.001	.500	+0/-0.005	.250	+0.002/-0.0004	.5625	+0.005/-0.01	Cylindrical	1,660	4,130
	CCYR 3/4 S	19.05	+0/-0.03	12.70	+0/-0.13	6.35	+0.005/-0.0010	14.28	+0.13/-0.25	10 254	7,384	18,370
	CYR 7/8	.875	+0/-0.001	.500	+0/-0.005	.250	+0.002/-0.0004	.5625	+0.005/-0.01	Cylindrical	1,660	4,130
	CCYR 7/8 S	22.23	+0/-0.03	12.70	+0/-0.13	6.35	+0.005/-0.0010	14.28	+0.13/-0.25	10 254	7,384	18,370
	CYR 1	1.000	+0/-0.001	.625	+0/-0.005	.3125	+0.002/-0.0004	.6875	+0.005/-0.01	Cylindrical	2,225	6,120
	CCYR 1 S	25.40	+0/-0.03	15.88	+0/-0.13	7.94	+0.005/-0.0010	17.46	+0.13/-0.25	12 305	9,897	27,222
	CYR 1 1/8	1.125	+0/-0.001	.625	+0/-0.005	.3125	+0.002/-0.0004	.6875	+0.005/-0.01	Cylindrical	2,225	6,120
	CCYR 1 1/8 S	28.58	+0/-0.03	15.88	+0/-0.13	7.94	+0.005/-0.0010	17.46	+0.13/-0.25	12 305	9,897	27,222
	CYR 1 1/4	1.250	+0/-0.001	.750	+0/-0.005	.375	+0.002/-0.0004	.8125	+0.005/-0.01	Cylindrical	3,930	8,500
	CCYR 1 1/4 S	31.75	+0/-0.03	19.05	+0/-0.13	9.53	+0.005/-0.0010	20.64	+0.13/-0.25	14 356	17,481	37,808
	CYR 1 3/8	1.375	+0/-0.001	.750	+0/-0.005	.375	+0.002/-0.0004	.8125	+0.005/-0.01	Cylindrical	3,930	8,500
	CCYR 1 3/8 S	34.93	+0/-0.03	19.05	+0/-0.13	9.53	+0.005/-0.0010	20.64	+0.13/-0.25	14 356	17,481	37,808
	CYR 1 1/2	1.500	+0/-0.001	.875	+0/-0.005	.4375	+0.002/-0.0004	.9375	+0.005/-0.01	Cylindrical	4,840	11,280
	CCYR 1 1/2 S	38.10	+0/-0.03	22.23	+0/-0.13	11.11	+0.005/-0.0010	23.81	+0.13/-0.25	20 508	21,528	50,173
	CYR 1 5/8	1.625	+0/-0.001	.875	+0/-0.005	.4375	+0.002/-0.0004	.9375	+0.005/-0.01	Cylindrical	4,840	11,280
	CCYR 1 5/8 S	41.28	+0/-0.03	22.23	+0/-0.13	11.11	+0.005/-0.0010	23.81	+0.13/-0.25	20 508	21,528	50,173
	CYR 1 3/4	1.750	+0/-0.001	1.000	+0/-0.005	.500	+0.002/-0.0004	1.0625	+0.005/-0.01	Cylindrical	6,385	115,840
	CCYR 1 3/4 S	44.45	+0/-0.03	25.40	+0/-0.13	12.70	+0.005/-0.0010	26.98	+0.13/-0.25	20 508	28,400	515,256

## CYR

W/O SEALS	PART No.	HD	E	Ro	RECOMMENDED SHAFT DIAMETERS						LIMITING SPEED	WT			
					HOLE DIAMETER	MIN. CLAMPING DIAMETER	OUTER CORNER	PUSH FIT		DRIVE FIT			PRESS FIT		
								inch mm	TOL	inch mm			TOL	inch mm	TOL
	CYR 3/4	.09	.61	.02 .4	.2495	±0.002	.2501	±0.002	.2503	±0.002	6,400	.06			
	CCYR 3/4 S	2.4	15.5	N/A	6.337	±0.005	6.353	±0.005	6.357	±0.005		.03			
	CYR 7/8	.09	.61	.02 .4	.2495	±0.002	.2501	±0.002	.2503	±0.002	5,400	.08			
	CCYR 7/8 S	2.4	15.5	N/A	6.337	±0.005	6.353	±0.005	6.357	±0.005		.04			
	CYR 1	.09	.78	.03 .8	.3120	±0.002	.3126	±0.002	.3128	±0.002	4,800	.15			
	CCYR 1 S	2.4	19.8	N/A	7.925	±0.005	7.940	±0.005	7.945	±0.005		.07			
	CYR 1 1/8	.09	.78	.03 .8	.3120	±0.002	.3126	±0.002	.3128	±0.002	3,400	.17			
	CCYR 1 1/8 S	2.4	19.8	N/A	7.925	±0.005	7.940	±0.005	7.945	±0.005		.08			
	CYR 1 1/4	.09	.98	.03 .8	.3745	±0.002	.3751	±0.002	.3753	±0.002	3,100	.24			
	CCYR 1 1/4 S	2.4	25.0	N/A	9.512	±0.005	9.527	±0.005	9.532	±0.005		.11			
	CYR 1 3/8	.09	.98	.05 1.2	.3745	±0.002	.3751	±0.002	.3753	±0.002	2,800	.30			
	CCYR 1 3/8 S	2.4	25.0	N/A	9.512	±0.005	9.527	±0.005	9.532	±0.005		.14			
	CYR 1 1/2	.09	1.09	.06 1.6	.4370	±0.002	.4376	±0.002	.4378	±0.002	2,500	.41			
	CCYR 1 1/2 S	2.4	27.8	N/A	11.100	±0.005	11.115	±0.005	11.120	±0.005		.19			
	CYR 1 5/8	.09	1.09	.06 1.6	.4370	±0.002	.4376	±0.002	.4378	±0.002	2,350	.50			
	CCYR 1 5/8 S	2.4	27.8	N/A	11.100	±0.005	11.115	±0.005	11.120	±0.005		.23			
	CYR 1 3/4	.09	1.25	.06 1.6	.4995	±0.002	.5001	±0.002	.5005	±0.002	2,200	.64			
	CCYR 1 3/4 S	2.4	31.8	N/A	12.687	±0.005	12.703	±0.005	12.713	±0.005		.29			



# McGILL<sup>®</sup> Inch Cam Follower Bearings



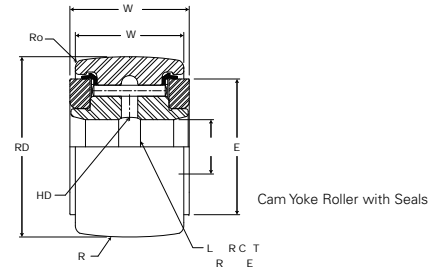
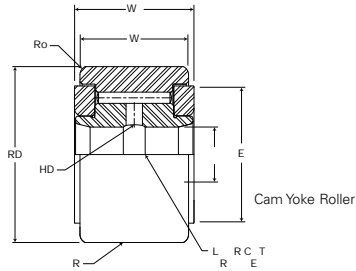
**Basic Construction Type:** Yoke Type Crowned / Cylindrical Outside Diameter

**Rolling Elements:** Full Complement / Needle Roller

**Bearing Material:** Bearing Quality Steel

**Seal Type:** LUBRI-DISC<sup>®</sup>

**Lubrication:** Lithium Soap Grease NLGI #2



## CYR

W/O SEALS	PART No.	RD		W		B		W1		R	TRACK ROLLER DYNAMIC RATING	TRACK ROLLER STATIC RATING
		ROLLER DIAMETER		ROLLER WIDTH		BORE DIAMETER		OVERALL WIDTH		CROWN		
		inch mm		inch mm		inch mm		inch mm		PREFIX		
		NOM.	TOL.	NOM.	TOL.	NOM.	TOL.	NOM.	TOL.	CCYR-XX		
	CYR 1 7/8 S	1.875 47.63	+0/-0.001 +0/-0.03	1.000 25.40	+0/-0.005 +0/-0.13	.500 12.70	+0.001/-0.0005 +0.0003/-0.0013	1.0625 26.98	+0.005/-0.01 +0.13/-0.25	Cylindrical 20 508	6,385 28,400	115,840 515,256
	CCYR 1 7/8 S											
	CYR 2 S	2.000 50.80	+0/-0.001 +0/-0.03	1.250 31.75	+0/-0.005 +0/-0.13	.625 15.88	+0.001/-0.0005 +0.0003/-0.0013	1.3125 33.34	+0.005/-0.01 +0.13/-0.25	Cylindrical 24 610	8,090 35,984	21,140 94,031
	CCYR 2 S											
	CYR 2 1/4 S	2.250 57.15	+0/-0.001 +0/-0.03	1.250 31.75	+0/-0.005 +0/-0.13	.625 15.88	+0.001/-0.0005 +0.0003/-0.0013	1.3125 33.34	+0.005/-0.01 +0.13/-0.25	Cylindrical 24 610	8,090 35,984	21,140 94,031
	CCYR 2 1/4 S											
	CYR 2 1/2 S	2.500 63.50	+0/-0.001 +0/-0.03	1.500 38.10	+0/-0.005 +0/-0.13	.750 19.05	+0.001/-0.0005 +0.0003/-0.0013	1.5625 39.69	+0.005/-0.01 +0.13/-0.25	Cylindrical 30 762	11,720 52,131	32,900 146,339
	CCYR 2 1/2 S											
	CYR 2 3/4 S	2.750 69.85	+0/-0.001 +0/-0.03	1.500 38.10	+0/-0.005 +0/-0.13	.750 19.05	+0.001/-0.0005 +0.0003/-0.0013	1.5625 39.69	+0.005/-0.01 +0.13/-0.25	Cylindrical 30 762	11,720 52,131	32,900 146,339
	CCYR 2 3/4 S											
	CYR 3 S	3.000 76.20	+0/-0.001 +0/-0.03	1.750 44.45	+0/-0.005 +0/-0.13	1.000 25.40	+0.001/-0.0005 +0.0003/-0.0013	1.8125 46.04	+0.005/-0.01 +0.13/-0.25	Cylindrical 30 762	15,720 69,923	49,820 221,599
	CCYR 3 S											
	CYR 3 1/4 S	3.250 82.55	+0/-0.001 +0/-0.03	1.750 44.45	+0/-0.005 +0/-0.13	1.000 25.40	+0.001/-0.0005 +0.0003/-0.0013	1.8125 46.04	+0.005/-0.01 +0.13/-0.25	Cylindrical 30 762	15,720 69,923	49,820 221,599
	CCYR 3 1/4 S											
	CYR 3 1/2 S	3.500 88.90	+0/-0.001 +0/-0.03	2.000 50.80	+0/-0.005 +0/-0.13	1.125 28.58	+0.001/-0.0005 +0.0003/-0.0013	2.0625 52.39	+0.005/-0.01 +0.13/-0.25	Cylindrical 30 762	22,800 101,414	63,250 281,336
	CCYR 3 1/2 S											
	CYR 4 S	4.000 101.60	+0/-0.001 +0/-0.03	2.250 57.15	+0/-0.005 +0/-0.13	1.250 31.75	+0.001/-0.0005 +0.0003/-0.0013	2.3125 58.74	+0.005/-0.01 +0.13/-0.25	Cylindrical 30 762	29,985 133,373	89,540 398,274
	CCYR 4 S											

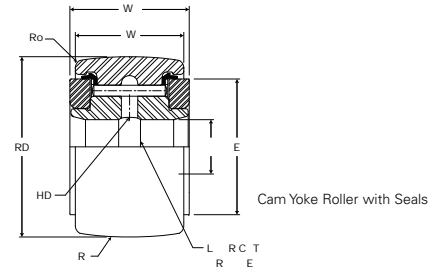
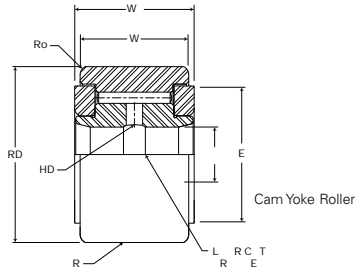
## CYR

W/O SEALS	PART No.	HD	E	Ro	RECOMMENDED SHAFT DIAMETERS						LIMITING SPEED	WT			
					HOLE DIAMETER	MIN. CLAMPING DIAMETER	OUTER CORNER	PUSH FIT		DRIVE FIT			PRESS FIT		
								inch mm		inch mm			inch mm		
								NOM.	TOL.	NOM.			TOL.	NOM.	TOL.
	CYR 1 7/8 S	.09 2.4	1.25 31.8	.06 1.6	4995 12,687	+0.002 ±0.005	5001 12,703	±0.002 ±0.005	5005 12,713	±0.002 ±0.005	2,000	80 36			
	CCYR 1 7/8 S			N/A											
	CYR 2 S	.13 3.2	1.41 35.7	.09 2.4	6245 15,862	+0.002 ±0.005	6245 15,862	±0.002 ±0.005	6245 15,862	±0.002 ±0.005	1,400	1.05 .48			
	CCYR 2 S			N/A											
	CYR 2 1/4 S	.13 3.2	1.41 35.7	.09 2.4	6245 15,862	+0.002 ±0.005	6251 15,877	±0.002 ±0.005	6255 15,887	±0.002 ±0.005	1,300	1.32 .59			
	CCYR 2 1/4 S			N/A											
	CYR 2 1/2 S	.13 3.2	1.69 42.9	.09 2.4	7495 19,037	+0.002 ±0.005	7501 19,053	±0.002 ±0.005	75015 19,063	±0.002 ±0.005	1,100	1.80 .82			
	CCYR 2 1/2 S			N/A											
	CYR 2 3/4 S	.13 3.2	1.69 42.9	.09 2.4	7495 19,037	+0.002 ±0.005	7501 19,053	±0.002 ±0.005	75015 19,063	±0.002 ±0.005	1,050	2.25 1.02			
	CCYR 2 3/4 S			N/A											
	CYR 3 S	.13 3.2	2.13 54.0	.13 3.2	9994 25,385	+0.002/-0.0003 +0.005/-0.008	1,0002 25,405	+0.002/-0.0003 +0.005/-0.008	1,0006 25,415	+0.002/-0.0003 +0.005/-0.008	950	3.10 1.41			
	CCYR 3 S			N/A											
	CYR 3 1/4 S	.13 3.2	2.13 54.0	.13 3.2	9994 25,385	+0.002/-0.0003 +0.005/-0.008	1,0002 25,405	+0.002/-0.0003 +0.005/-0.008	1,0006 25,415	+0.002/-0.0003 +0.005/-0.008	880	3.62 1.64			
	CCYR 3 1/4 S			N/A											
	CYR 3 1/2 S	.13 3.2	2.44 61.9	.13 3.2	1,1244 28,560	+0.002/-0.0003 +0.005/-0.008	1,1252 28,580	+0.002/-0.0003 +0.005/-0.008	1,1256 28,590	+0.002/-0.0003 +0.005/-0.008	820	4.95 2.25			
	CCYR 3 1/2 S			N/A											
	CYR 4 S	.13 3.2	2.80 71.0	.13 3.2	1,2494 31,735	+0.002/-0.0003 +0.005/-0.008	1,2502 31,755	+0.002/-0.0003 +0.005/-0.008	1,2506 31,765	+0.002/-0.0003 +0.005/-0.008	700	7.05 3.19			
	CCYR 4 S			N/A											

# MCGILL<sup>®</sup> Inch Cam Follower Bearings



**Basic Construction Type:** Yoke Type Crowned / Cylindrical Outside Diameter  
**Rolling Elements:** Full Complement / Needle Roller  
**Bearing Material:** Bearing Quality Steel  
**Seal Type:** LUBRI-DISC<sup>®</sup>  
**Lubrication:** Lithium Soap Grease NLGI #2



## CYR

W/O SEALS	PART No.	RD		W		B		WI		R	TRACK ROLLER DYNAMIC RATING	TRACK ROLLER STATIC RATING
		ROLLER DIAMETER		ROLLER WIDTH		BORE DIAMETER		OVERALL WIDTH				
		inch	mm	inch	mm	inch	mm	inch	mm			
	CYR 5 S	5.000	+0/- .001	2.750	+0/- .005	1.750	+ .0001/- .0005	2.875	+ .005/- .01	Cylindrical	46,575	135,900
	CCYR 5 S	12700	+0/- .03	69.85	+0/- .13	44.45	+ .0003/- .0013	73.03	+0.13/-0.25	48 1,219	207,166	604,483
	CYR 6 S	6.000	+0/- .001	3.250	+0/- .005	2.250	+ .0001/- .0005	3.375	+ .005/- .01	Cylindrical	60,000	160,900
	CCYR 6 S	152.40	+0/- .03	82.55	+0/- .13	57.15	+ .0003/- .0013	85.725	+0.13/-0.25	56 1,422	266,880	715,683
	CYR 7 S	7.000	+0/- .001	3.750	+0/- .005	2.750	+ .0001/- .0005	3.875	+ .005/- .01	Cylindrical	75,380	213,860
	CCYR 7 S	17780	+0/- .03	95.25	+0/- .13	69.85	+ .0003/- .0013	98.43	+0.13/-0.25	60 1,524	335,290	951,249
	CYR 8 S	8.000		4.250		3.255	+ .001/-0	4.50	+ .005/- .01	Cylindrical	92,200	288,200
	CCYR 8 S	203.20		107.95		82.68	+ .025/-0	114.3	+0.13/-0.25	40 1,016	410,106	1,281,914
	CYR 9 S	9.000		4.750		3.755	+ .001/-0	5.00	+ .005/- .01	Cylindrical	113,260	366,850
	CCYR 9 S	228.60		120.65		95.38	+ .025/-0	127.0	+0.13/-0.25	40 1,016	503,780	1,631,749
	CYR 10 S	10.000		5.250		4.255	+ .001/-0	5.50	+ .005/- .01	Cylindrical	131,545	431,130
	CCYR 10 S	254.00		133.35		108.08	+ .025/-0	139.7	+0.13/-0.25	40 1,016	585,112	1,917,666

## CYR

W/O SEALS	PART No.	HD	E	Ro	RECOMMENDED SHAFT DIAMETERS						LIMITING SPEED	WT
					PUSH FIT		DRIVE FIT		PRESS FIT			
					inch	mm	inch	mm	inch	mm		
	CYR 5 S	.19	3.56	.13 3.2	1.7494	+ .0002/- .0003	1.7502	+ .0002/- .0003	1.7506	+ .0002/- .0003	575	14.34
	CCYR 5 S	4.8	90.5	N/A	44.435	+ .005/- .008	44.455	+ .005/- .008	44.465	+ .005/- .008		6.59
	CYR 6 S	.19	4.47	.13 3.2	2.2494	+ .0002/- .0003	2.2502	+ .0002/- .0003	2.2506	+ .0002/- .0003	475	20.16
	CCYR 6 S	4.8	113.5	N/A	57.135	+ .005/- .008	57.155	+ .005/- .008	57.165	+ .005/- .008		9.14
	CYR 7 S	.19	5.19	.13 3.2	2.7494	+ .0002/- .0003	2.7502	+ .0002/- .0003	2.7506	+ .0002/- .0003	400	32.43
	CCYR 7 S	4.8	131.8	N/A	69.835	+ .005/- .008	69.855	+ .005/- .008	69.865	+ .005/- .008		14.71
	CYR 8 S	.25	4.38	.22 5.6	3.2545	± .0005	3.2560	± .0005	3.2565	± .0005	350	47.30
	CCYR 8 S	6.4	111.1	N/A	82.664	± .0013	82.702	± .0013	82.715	± .0013		21.45
	CYR 9 S	.31	5.06	.25 6.4	3.7545	± .0005	3.7560	± .0005	3.7565	± .0005	300	65.70
	CCYR 9 S	7.9	128.6	N/A	95.364	± .0013	95.402	± .0013	95.415	± .0013		29.80
	CYR 10 S	.38	5.47	.28 7.1	4.2545	± .0005	4.2560	± .0005	4.2565	± .0005	275	89.20
	CCYR 10 S	9.5	138.9	N/A	108.064	± .0013	108.102	± .0013	108.115	± .0013		40.46



# MCGILL® SPHERE-ROL® Spherical Bearings



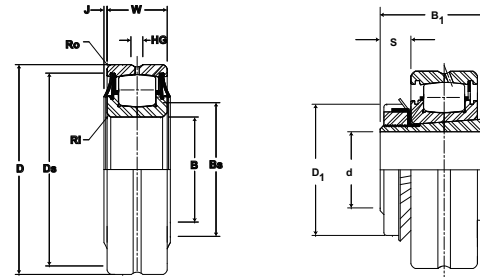
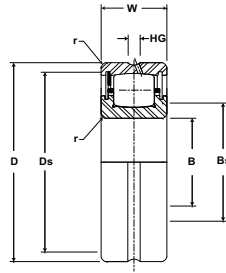
**Basic Construction Type:** 22200 Series Spherical Bearing With Non-Separable Inner Ring

**Rolling Elements:** Separated Spherical Rolling Elements

**Bearing Material:** Bearing Quality Steel

**Seal Type:** NYLAPLATE or LAMBDA

**Lubrication:** Sealed Bearings: Polyurea thickened NLGI 2 EP Grease.  
Unsealed Bearings: Corrosion Preventive Oil



## SB 22200

PART No.	B		D		W		Bs	Ds	HG	J	r	LIMITING SPEED (IN OIL)	BDR BASIC DYNAMIC RATING	BEARING WEIGHT
	BORE DIAMETER		OUTSIDE DIAMETER		WIDTH		MIN SHOULDER DIAMETER INNER	MIN SHOULDER DIAMETER OUTER	ANNULAR LUB GROOVE	LAMBDA SEAL MINIMUM CLEARANCE	MAXIMUM RADIUS OR FILLET TO CLEAR			
	mm inch		mm inch		mm inch		mm inch	mm inch	mm inch	mm inch	mm inch			
	NOM.	TOL.	NOM.	TOL.	NOM.	TOL.	REF	REF	W33	REF	REF			
SB-22204	20.000 0.7874	+0/-0.010 +0/-0.0004	47.000 1.8504	+0/-0.013 +0/-0.0005	18.00 .709	+0/-0.13 +0/-0.005	25 1.0	41 1.6	3 .1	3 .1	1.0 .04	11000	31,140 7000	.15 .32
SB-22205	25.000 0.9843	+0/-0.010 +0/-0.0004	52.000 2.0472	+0/-0.013 +0/-0.0005	18.00 .709	+0/-0.13 +0/-0.005	30 1.2	46 1.8	5 .2	3 .1	1.0 .04	9000	36,030 8,100	.18 .40
SB-22206	30.000 1.1811	+0/-0.010 +0/-0.0004	62.000 2.4409	+0/-0.013 +0/-0.0005	20.00 .787	+0/-0.13 +0/-0.005	36 1.4	56 2.2	5 .2	3 .1	1.0 .04	8100	51,150 11,500	.29 .64
SB-22207	35.000 1.378	+0/-0.013 +0/-0.0005	72.000 2.8346	+0/-0.013 +0/-0.0005	23.00 .906	+0/-0.13 +0/-0.005	41 1.6	61 2.4	5 .2	3 .1	1.0 .04	6800	67,160 15,100	.43 .95
SB-22208	40.000 1.5748	+0/-0.013 +0/-0.0005	80.000 3.1496	+0/-0.013 +0/-0.0005	23.00 .906	+0/-0.13 +0/-0.005	48 1.9	71 2.8	5 .2	3 .1	1.0 .04	6000	74,730 16,800	.54 1.20
SB-22209	45.000 1.7717	+0/-0.013 +0/-0.0005	85.000 3.3465	+0/-0.015 +0/-0.0006	23.00 .906	+0/-0.13 +0/-0.005	53 2.1	74 2.9	5 .2	3 .1	1.0 .04	5600	79,170 17,800	.59 1.30
SB-22210	50.000 1.9685	+0/-0.013 +0/-0.0005	90.000 3.5433	+0/-0.015 +0/-0.0006	23.00 .906	+0/-0.13 +0/-0.005	58 2.3	79 3.1	5 .2	3 .1	1.0 .04	5250	83,180 18,700	.64 1.40
SB-22211	55.000 2.1654	+0/-0.015 +0/-0.0006	100.000 3.937	+0/-0.015 +0/-0.0006	25.00 .984	+0/-0.15 +0/-0.006	64 2.5	89 3.5	5 .2	3 .1	1.5 .06	4650	102,300 23,000	.86 1.90
SB-22212	60.000 2.3622	+0/-0.015 +0/-0.0006	110.000 4.3307	+0/-0.015 +0/-0.0006	28.00 1.102	+0/-0.15 +0/-0.006	71 2.8	99 3.9	5 .2	3 .1	1.5 .06	4200	129,880 29,200	1.18 2.60
SB-22213	65.000 2.5591	+0/-0.015 +0/-0.0006	120.000 4.7244	+0/-0.015 +0/-0.0006	31.00 1.221	+0/-0.15 +0/-0.006	74 2.9	107 4.2	5 .2	3 .1	1.5 .06	3800	157,900 35,500	1.54 3.40
SB-22214	70.000 2.7559	+0/-0.015 +0/-0.0006	125.000 4.9213	+0/-0.020 +0/-0.0008	31.00 1.221	+0/-0.15 +0/-0.006	79 3.1	112 4.4	5 .2	3 .1	1.5 .06	3650	159,680 35,900	1.63 3.60
SB-22215	75.000 2.9528	+0/-0.015 +0/-0.0006	130.000 5.1181	+0/-0.020 +0/-0.0008	31.00 1.221	+0/-0.15 +0/-0.006	84 3.3	117 4.6	5 .2	3 .1	1.5 .06	3500	167,240 37,600	1.77 3.90

Add K to base number indicate K bore option  
Add W22 for select OD  
All bearings are supplied with W33 option unless otherwise specified  
\*Refers to oil lubrication and moderate load, use 50% of value for grease lubrication.  
Complete adapter number indicated adapter sleeve, locknut, and washer, for components refer to S=sleeve, N= lock Nut, W= lock washer  
For Expansion type bearing add E suffix immediately after diametrical clearance specification per nomenclature diagram.

Outside diameter may be oversized, due to internal retaining ring

## SB 22200

PART No.	STRAIGHT BORE INTERNAL RADIAL CLEARANCE								TAPER (K) BORE INTERNAL RADIAL CLEARANCE (1" IN 12" ON DIAMETER)								OPTIONAL ADAPTER DIMENSIONS				
	C2		STANDARD		C3		C4		C2		STANDARD		C3		C4		ADAPTER No.	ADAPTER SHAFT DI. DIMENSION	B1	S	D1
	mm inch		mm inch		mm inch		mm inch		mm inch		mm inch		mm inch								
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	(REF)	(REF)	(REF)	(REF)	
SB-22204	.0102 .0004	.2032 .0008	.0356 .0014	.0457 .0024	.0610 .0024	.0152 .0006	.0254 .0010	.0356 .0014	.0457 .0018	.0610 .0024	-	-	-	-	-	-	-	-	-	-	
SB-22205	.0152 .0006	.0254 .0010	.0406 .0016	.0559 .0022	.0711 .0028	.0203 .0008	.0305 .0012	.0432 .0017	.0559 .0022	.0762 .0030	SNW 05*	3.3	5.6	2.0	6.9	.75	1.27	.45	1.56		
SB-22206	.0152 .0006	.0305 .0012	.0457 .0018	.0610 .0024	.0813 .0032	.0203 .0008	.0356 .0014	.0508 .0020	.0660 .0026	.0864 .0034	SNW 06*	4.2	6.0	2.0	7.8	.94	1.36	.45	1.75		
SB-22207	.0152 .0006	.0305 .0012	.0457 .0018	.0610 .0024	.0813 .0032	.0203 .0008	.0356 .0014	.0508 .0020	.0660 .0026	.0864 .0034	SNW 07*	5.3	6.4	2.1	9.2	1.19	1.45	.48	2.06		
SB-22208	.0203 .0008	.0356 .0014	.0559 .0022	.0762 .0030	.0813 .0032	.0305 .0012	.0457 .0018	.0610 .0024	.0813 .0032	.1041 .0041	SNW 08*	5.8	6.7	2.2	10.0	1.31	1.50	.50	2.25		
SB-22209	.0203 .0008	.0356 .0014	.0559 .0022	.0762 .0030	.0813 .0032	.0305 .0012	.0457 .0018	.0610 .0024	.0813 .0032	.1041 .0041	SNW 09*	6.4	7.0	2.2	11.3	1.44	1.58	.50	2.53		
SB-22210	.0254 .0010	.0432 .0017	.0660 .0026	.0914 .0036	.1194 .0047	.0356 .0014	.0559 .0022	.0762 .0030	.0991 .0039	.1245 .0049	SNW 10*	7.5	7.9	2.5	12.0	1.69	1.77	.56	2.69		
SB-22211	.0254 .0010	.0432 .0017	.0660 .0026	.0914 .0036	.1194 .0047	.0356 .0014	.0559 .0022	.0762 .0030	.0991 .0039	.1245 .0049	SNW 11*	8.6	8.2	2.5	13.2	1.94	1.84	.56	2.97		
SB-22212	.0254 .0010	.0432 .0017	.0660 .0026	.0914 .0036	.1194 .0047	.0356 .0014	.0559 .0022	.0762 .0030	.0991 .0039	.1245 .0049	-	-	-	-	-	-	-	-			
SB-22213	.0305 .0012	.0508 .0020	.0813 .0032	.1118 .0044	.1448 .0057	.0457 .0018	.0711 .0028	.0940 .0037	.1245 .0049	.1549 .0061	SNW 13	9.7	9.4	2.8	15.0	2.19	2.11	.63	3.38		
SB-22214	.0305 .0012	.0508 .0020	.0813 .0032	.1118 .0044	.1448 .0057	.0457 .0018	.0711 .0028	.0940 .0037	.1245 .0049	.1549 .0061	-	-	-	-	-	-	-	-			
SB-22215	.0305 .0012	.0508 .0020	.0813 .0032	.1118 .0044	.1448 .0057	.0457 .0018	.0711 .0028	.0940 .0037	.1245 .0049	.1549 .0061	SNW 15*	10.9	10.2	3.0	17.3	2.44	2.30	.67	3.88		

\* For sizes marked, standard ABMA locknuts and lock washers will not clear the LAMBDA seal unless 1/16" thick spacer is used between the face of bearing and washer (or locknut).





# McGILL® SPHERE-ROL® Spherical Bearings



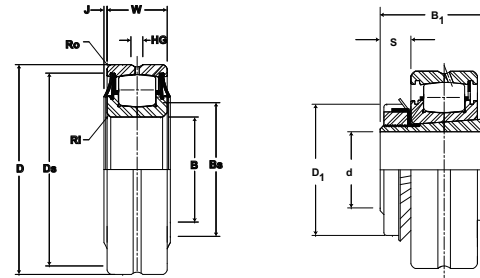
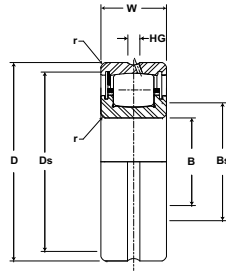
**Basic Construction Type:** 22200 Series Spherical Bearing With Non-Separable Inner Ring

**Rolling Elements:** Separated Spherical Rolling Elements

**Bearing Material:** Bearing Quality Steel

**Seal Type:** NYLAPLATE or LAMBDA

**Lubrication:** Sealed Bearings: Polyurea thickened NLGI 2 EP Grease.  
Unsealed Bearings: Corrosion Preventive Oil



## SB 22200 (continued)

PART No.	B		D		W		Bs	Ds	HG	J	r	LIMITING SPEED (IN OIL)	BDR BASIC DYNAMIC RATING	BEARING WEIGHT
	BORE DIAMETER		OUTSIDE DIAMETER		WIDTH		MIN SHOULDER DIAMETER INNER	MIN SHOULDER DIAMETER OUTER	ANNULAR LUB GROOVE	LAMBDA SEAL MINIMUM CLEARANCE	MAXIMUM RADIUS OR FILLET TO CLEAR			
	mm inch		mm inch		mm inch		mm inch	mm inch	mm inch	mm inch	mm inch			
	NOM.	TOL.	NOM.	TOL.	NOM.	TOL.	REF	REF	W33	REF	REF			
SB-22216	80.000	+0/-0.015	140.000	+0/-0.020	33.00	+0/-0.15	91	124	5	3	2.0	3250	188,600	2.09
	3.1496	+0/-0.0006	5.5118	+0/-0.0008	1.299	+0/-0.006	3.6	4.9	.2	.1	.08		42,400	4.60
SB-22217	85.000	+0/-0.020	150.000	+0/-0.020	36.00	+0/-0.20	97	135	5	3	2.0	3000	226,400	2.68
	3.3465	+0/-0.0008	5.9055	+0/-0.0008	1.417	+0/-0.008	3.8	5.3	.2	.1	.08		50,900	5.90
SB-22218	90.000	+0/-0.020	160.000	+0/-0.025	40.00	+0/-0.20	99	145	5	3	2.0	2800	263,320	3.40
	3.5433	+0/-0.0008	6.2992	+0/-0.0010	1.575	+0/-0.008	3.9	5.7	.2	.1	.08		59,200	7.50
SB-22219	95.000	+0/-0.020	170.000	+0/-0.025	43.00	+0/-0.20	107	155	8	3	2.0	2650	315,360	4.17
	3.7402	+0/-0.0008	6.6929	+0/-0.0010	1.693	+0/-0.008	4.2	6.1	.3	.1	.08		70,900	9.20
SB-22220	100.000	+0/-0.020	180.000	+0/-0.025	46.00	+0/-0.20	112	163	8	3	2.0	2500	345,610	5.03
	3.937	+0/-0.0008	7.0866	+0/-0.0010	1.811	+0/-0.008	4.4	6.4	.3	.1	.08		77,700	11.10
SB-22222	110.000	+0/-0.020	200.000	+0/-0.030	53.00	+0/-0.20	124	180	8	3	2.0	2200	444,800	7.21
	4.3307	+0/-0.0008	7.874	+0/-0.0012	2.087	+0/-0.008	4.9	7.1	.3	.1	.08		100,000	15.90
SB-22224	120.000	+0/-0.020	215.000	+0/-0.030	58.00	+0/-0.20	135	196	10	5	2.0	2050	533,760	8.98
	4.7244	+0/-0.0008	8.4646	+0/-0.012	2.284	+0/-0.008	5.3	7.7	.4	.2	.08		120,000	19.80
SB-22226	130.000	+0/-0.025	230.000	+0/-0.030	64.00	+0/-0.25	150	211	10	5	2.5	1900	589,360	11.29
	5.1181	+0/-0.0010	9.0551	+0/-0.0012	2.520	+0/-0.010	5.9	8.3	.4	.2	.10		132,500	24.80
SB-22228	140.000	+0/-0.025	250.000	+0/-0.030	68.00	+0/-0.25	160	231	10	5	2.5	1750	707,680	14.19
	5.5118	+0/-0.0010	9.8425	+0/-0.0012	2.677	+0/-0.010	6.3	9.1	.4	.2	.10		159,100	31.30
SB-22230	150.000	+0/-0.025	270.000	+0/-0.036	73.00	+0/-0.25	170	246	13	5	2.5	1600	753,050	17.92
	5.9055	+0/-0.0010	10.6299	+0/-0.0014	2.874	+0/-0.010	6.7	9.7	.5	.2	.10		169,300	39.50
SB-22236	180.000	+0/-0.025	320.000	+0/-0.041	86.00	+0/-0.25	213	290	18	5	3.0	1350	1,024,820	21.92
	7.0866	+0/-0.0010	12.5984	+0/-0.0016	3.386	+0/-0.010	8.4	11.4	.7	.2	.12		230,400	48.34

Add K to base number to indicate K bore option  
Add W33 for select OD  
All bearings are supplied with W33 option unless otherwise specified  
\*Refers to oil lubrication and moderate load, use 50% of value for grease lubrication.  
Complete adapter number indicated adapter sleeve, locknut, and washer, for components refer to S-sleeve, N= lock Nut, W= lock washer  
For Expansion type bearing add E suffix immediately after diametrical clearance specification per nomenclature diagram.

Outside diameter may be oversized, due to internal retaining ring

## SB 22200 (continued)

PART No.	STRAIGHT BORE INTERNAL RADIAL CLEARANCE								TAPER (K) BORE INTERNAL RADIAL CLEARANCE (1" IN 12" ON DIAMETER)								OPTIONAL ADAPTER DIMENSIONS				
	C2		STANDARD		C3		C4		C2		STANDARD		C3		C4		ADAPTER No.	ADAPTER SHAFT DI. DIMENSION	B1	S	D1
	mm inch		mm inch		mm inch		mm inch		mm inch		mm inch		mm inch								
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	(REF)	(REF)	(REF)	(REF)	
SB-22216	.0356	.0635	.0991	.1346	.1803	.0508	.0813	.1118	.1448	.1905	SNW 16	12.0	10.6	3.0	18.5						
	.0014	.0025	.0039	.0053	.0071	.0020	.0032	.0044	.0057	.0075		2.69	2.38	.67	4.16						
SB-22217	.0356	.0635	.0991	.1346	.1803	.0508	.0813	.1118	.1448	.1905	SNW 17	13.1	11.0	3.1	19.6						
	.0014	.0025	.0039	.0053	.0071	.0020	.0032	.0044	.0057	.0075		2.94	2.48	.70	4.41						
SB-22218	.0356	.0635	.0991	.1346	.1803	.0508	.0813	.1118	.1448	.1905	SNW 18	14.2	11.7	3.5	20.7						
	.0014	.0025	.0039	.0053	.0071	.0020	.0032	.0044	.0057	.0075		3.19	2.64	.78	4.66						
SB-22219	.0356	.0635	.0991	.1346	.1803	.0508	.0813	.1118	.1448	.1905	-	-	-	-	-						
	.0014	.0025	.0039	.0053	.0071	.0020	.0032	.0044	.0057	.0075		-	-	-	-						
SB-22220	.0432	.0787	.1219	.1626	.2108	.0635	.0991	.1346	.1753	.2261	SNW 20	15.3	12.8	3.7	23.1						
	.0017	.0031	.0048	.0064	.0083	.0025	.0039	.0053	.0069	.0089		3.44	2.88	.84	5.19						
SB-22222	.0432	.0787	.1219	.1626	.2108	.0635	.0991	.1346	.1753	.2261	SNW 22	17.5	14.2	4.0	25.4						
	.0017	.0031	.0048	.0064	.0083	.0025	.0039	.0053	.0069	.0089		3.94	3.20	.91	5.72						
SB-22224	.0508	.0965	.1448	.1905	.2413	.0762	.1194	.1600	.2057	.2591	SNW 24	18.6	15.4	4.2	27.3						
	.0020	.0038	.0057	.0075	.0095	.0030	.0047	.0063	.0081	.0102		4.19	3.47	.94	6.13						
SB-22226	.0508	.0965	.1448	.1905	.2413	.0762	.1194	.1600	.2057	.2591	SNW 26	19.7	16.8	4.4	30.0						
	.0020	.0038	.0057	.0075	.0095	.0030	.0047	.0063	.0081	.0102		4.44	3.77	1.00	6.75						
SB-22228	.0610	.1092	.1651	.2210	.2794	.0864	.1346	.1803	.2311	.2997	SNW 28	22.0	17.7	4.7	31.5						
	.0024	.0043	.0065	.0087	.0110	.0034	.0053	.0071	.0091	.0118		4.94	3.98	1.06	7.09						
SB-22230	.0610	.1092	.1651	.2210	.2794	.0864	.1346	.1803	.2311	.2997	SNW 30	23.1	18.8	5.0	34.2						
	.0024	.0043	.0065	.0087	.0110	.0034	.0053	.0071	.0091	.0118		5.19	4.23	1.13	7.69						
SB-22236	.0610	.1092	.1651	.2210	.2794	.0864	.1346	.1803	.2311	.2997	SNW 36	28.6	22.5	5.6	40.3						
	.0024	.0043	.0065	.0087	.0110	.0034	.0053	.0071	.0091	.0118		6.44	5.05	1.25	9.06						

# McGILL® SPHERE-ROL® Spherical Bearings



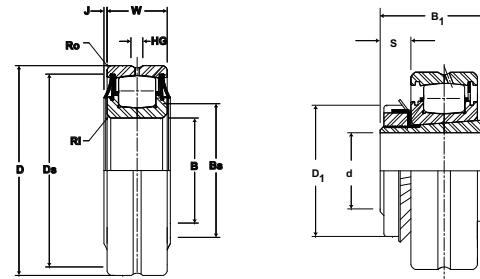
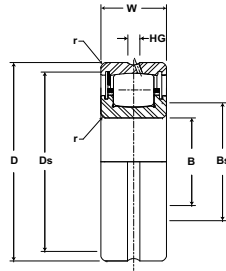
**Basic Construction Type:** 22300 Series Spherical Bearing With Non-Separable Inner Ring

**Rolling Elements:** Separated Spherical Rolling Elements

**Bearing Material:** Bearing Quality Steel

**Seal Type:** NYLAPLATE or LAMBDA

**Lubrication:** Sealed Bearings: Polyurea thickened NLGI 2 EP Grease.  
Unsealed Bearings: Corrosion Preventive Oil



## SB 22300

PART No.	B		D		W		Bs	Ds	HG	J	r	LIMITING SPEED (IN OIL)	BDR BASIC DYNAMIC RATING	BEARING WEIGHT
	BORE DIAMETER		OUTSIDE DIAMETER		WIDTH		MIN SHOULDER DIAMETER INNER	MIN SHOULDER DIAMETER OUTER	ANNULAR LUB GROOVE	LAMBDA SEAL MINIMUM CLEARANCE	MAXIMUM RADIUS OR FILLET TO CLEAR			
	mm inch		mm inch		mm inch		mm inch	mm inch	mm inch	mm inch	mm inch			
	NOM.	TOL.	NOM.	TOL.	NOM.	TOL.	REF	REF	W33	REF	REF			
SB-22308	40.000 1.5748	+0/-0.013 +0/-0.0005	90.000 3.5433	+0/-0.015 +0/-0.0006	33.000 1.299	+0/-0.13 +0/-0.005	48 1.9	79 3.1	5 .2	2.3 .09	1.5 .06	5250	113,870 25,600	1.04 2.30
SB-22309	45.000 1.7717	+0/-0.013 +0/-0.0005	110.000 3.937	+0/-0.015 +0/-0.0006	38.000 1.417	+0/-0.13 +0/-0.005	53 2.1	89 3.5	8 .3	2.3 .09	1.5 .06	4650	133,880 30,100	1.41 3.10
SB-22310	50.000 1.9685	+0/-0.013 +0/-0.0005	110.000 4.3307	+0/-0.015 +0/-0.0006	40.000 1.575	+0/-0.13 +0/-0.005	61 2.4	99 3.9	8 .3	2.3 .09	2.0 .08	4200	166,360 37,400	1.86 4.10
SB-22311	55.000 2.1654	+0/-0.013 +0/-0.0005	120.000 4.7244	+0/-0.015 +0/-0.0006	43.000 1.693	+0/-0.15 +0/-0.006	66 2.6	109 4.3	8 .3	3.3 .13	2.0 .08	3800	183,700 41,300	2.40 5.30
SB-22312	60.000 2.3622	+0/-0.013 +0/-0.0005	130.000 5.1181	+0/-0.020 +0/-0.0008	46.000 1.811	+0/-0.15 +0/-0.006	71 2.8	117 4.6	8 .3	3.3 .13	2.0 .08	3500	243,310 54,700	2.99 6.60
SB-22313	65.000 2.5691	+0/-0.013 +0/-0.0005	140.000 5.5118	+0/-0.020 +0/-0.0008	48.000 1.890	+0/-0.15 +0/-0.006	76 3.0	124 4.9	8 .3	3.3 .13	2.0 .08	3250	265,550 59,700	3.54 7.80
SB-22314	70.000 2.7559	+0/-0.013 +0/-0.0005	150.000 5.9055	+0/-0.020 +0/-0.0008	51.000 2.008	+0/-0.15 +0/-0.006	84 3.3	137 5.4	8 .3	3.3 .13	2.0 .08	3000	304,240 68,400	4.31 9.50
SB-22315	75.000 2.9528	+0/-0.013 +0/-0.0005	160.000 6.2992	+0/-0.025 +0/-0.0010	55.000 2.165	+0/-0.15 +0/-0.006	86 3.4	137 5.4	8 0.3	3.3 .13	2.0 .08	2800	332,710 74,800	5.39 11.90
SB-22316	80.000 3.1496	+0/-0.013 +0/-0.0005	170.000 6.6929	+0/-0.025 +0/-0.0010	58.000 2.284	+0/-0.15 +0/-0.006	91 3.6	155 6.1	8 .3	3.3 .13	2.0 .08	2650	344,720 77,500	6.30 13.90

Add K to base number indicate K bore option  
Add W22 for select OD  
All bearings are supplied with W33 option unless otherwise specified  
\*Refers to oil lubrication and moderate load, use 50% of value for grease lubrication.  
Complete adapter number indicated adapter sleeve, locknut, and washer, for components refer to S=sleeve, N= lock Nut, W= lock washer  
For Expansion type bearing add E suffix immediately after diametrical clearance specification per nomenclature diagram.  
Outside diameter may be oversized, due to internal retaining ring

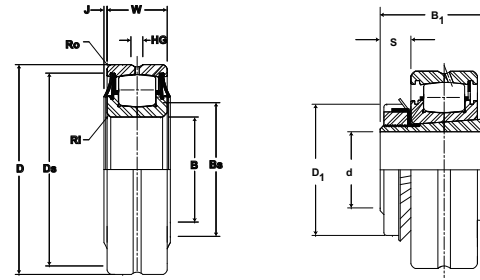
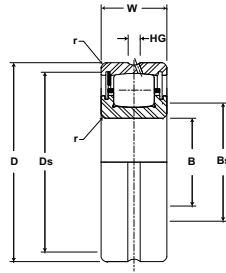
## SB 22300

PART NO.	STRAIGHT BORE INTERNAL RADIAL CLEARANCE								TAPER (K) BORE INTERNAL RADIAL CLEARANCE (1" IN 12" ON DIAMETER)								OPTIONAL ADAPTER DIMENSIONS				
	C2		STANDARD		C3		C4		C2		STANDARD		C3		C4		ADAPTER NO.	ADAPTER SHAFT DIMENSION	B1	S	D1
	mm inch		mm inch		mm inch		mm inch		mm inch		mm inch		mm inch								
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	(REF)	(REF)					
SB-22308	.0203 .0008	.0356 .0014	.0559 .0022	.0762 .0030	.0813 .0032	.0305 .0012	.0457 .0018	.0610 .0024	.0813 .0032	.1041 .0041	-	-	-	-	-	-	-	-	-	-	
SB-22309	.0203 .0008	.0356 .0014	.0559 .0022	.0762 .0030	.0813 .0032	.0305 .0012	.0457 .0018	.0610 .0024	.0813 .0032	.1041 .0041	SNW 109	6.4	9.5	2.2	11.3	1.44	2.14	.50	2.53		
SB-22310	.0254 .0010	.0432 .0017	.0660 .0026	.0914 .0036	.1194 .0047	.0356 .0014	.0559 .0022	.0762 .0030	.0991 .0039	.1245 .0049	-	-	-	-	-	-	-	-	-		
SB-22311	.0254 .0010	.0432 .0017	.0660 .0026	.0914 .0036	.1194 .0047	.0356 .0014	.0559 .0022	.0762 .0030	.0991 .0039	.1245 .0049	SNW 111	8.6	11.2	2.5	13.2	1.94	2.52	.56	2.97		
SB-22312	.0254 .0010	.0432 .0017	.0660 .0026	.0914 .0036	.1194 .0047	.0356 .0014	.0559 .0022	.0762 .0030	.0991 .0039	.1245 .0049	-	-	-	-	-	-	-	-	-		
SB-22313	.0305 .0012	.0508 .0020	.0813 .0032	.1118 .0044	.1448 .0057	.0457 .0018	.0711 .0028	.0940 .0037	.1245 .0049	.1549 .0061	SNW 113	9.7	12.3	2.8	15.0	2.19	2.77	.63	3.38		
SB-22314	.0305 .0012	.0508 .0020	.0813 .0032	.1118 .0044	.1448 .0057	.0457 .0018	.0711 .0028	.0940 .0037	.1245 .0049	.1549 .0061	-	-	-	-	-	-	-	-	-		
SB-22315	.0305 .0012	.0508 .0020	.0813 .0032	.1118 .0044	.1448 .0057	.0457 .0018	.0711 .0028	.0940 .0037	.1245 .0049	.1549 .0061	SNW 115	10.9	13.7	3.0	17.3	2.44	3.08	.67	3.88		
SB-22316	.0356 .0014	.0635 .0025	.0991 .0039	.1346 .0053	.1803 .0071	.0508 .0020	.0813 .0032	.1118 .0044	.1448 .0057	.1905 .0075	SNW 116	12.0	14.2	3.0	18.5	2.69	3.20	.67	4.16		

# MCGILL® SPHERE-ROL® Spherical Bearings



- Basic Construction Type:** 22300 Series Spherical Bearing With Non-Separable Inner Ring
- Rolling Elements:** Separated Spherical Rolling Elements
- Bearing Material:** Bearing Quality Steel
- Seal Type:** NYLAPLATE or LAMBDA
- Lubrication:** Sealed Bearings: Polyurea thickened NLGI 2 EP Grease.  
Unsealed Bearings: Corrosion Preventive Oil



## SB 22300 (continued)

PART No.	B		D		W		Bs	Ds	HG	J	r	LIMITING SPEED (IN OIL)	BDR BASIC DYNAMIC RATING	BEARING WEIGHT		
	BORE DIAMETER		OUTSIDE DIAMETER		WIDTH		MIN SHOULDER DIAMETER INNER	MIN SHOULDER DIAMETER OUTER	ANNULAR LUB GROOVE	LAMBDA SEAL MINIMUM CLEARANCE	MAXIMUM RADIUS OR FILLET TO CLEAR					
	mm inch		mm inch		mm inch		mm inch		mm inch		RPM*				N/lb	kg lb
	NOM.	TOL.	NOM.	TOL.	NOM.	TOL.	REF.	REF.	W33	REF.	REF.					
SB-22317	85.000 3.3465	+0/-0.020 +0/-0.0008	180.000 7.0866	+0/-0.025 +0/-0.0010	60.00 2.362	+0/-0.20 +0/-0.008	99 3.9	163 6.4	8 .3	3.3 .13	2.5 .10	2500	423,000 95,100	735 16.20		
SB-22318	90.000 3.5433	+0/-0.020 +0/-0.0008	190.000 7.4803	+0/-0.030 +0/-0.012	64.00 2.520	+0/-0.20 +0/-0.008	104 4.1	173 6.8	10 .4	3.3 .13	2.5 .10	2350	437,680 98,400	8.71 19.20		
SB-22319	95.000 3.7402	+0/-0.020 +0/-0.0008	200.000 7.874	+0/-0.030 +0/-0.012	67.00 2.638	+0/-0.20 +0/-0.008	112 4.4	180 7.1	10 .4	4.1 .16	2.5 .10	2200	486,610 109,400	10.29 22.70		
SB-22320	100.000 3.937	+0/-0.020 +0/-0.0008	215.000 8.4646	+0/-0.030 +0/-0.012	73.00 2.874	+0/-0.20 +0/-0.008	117 4.6	196 7.7	10 .4	4.8 .19	2.5 .10	2050	572,900 128,800	12.88 28.40		
SB-22322	110.000 4.3307	+0/-0.203 +0/-0.0080	240.000 9.4488	+0/-0.030 +0/-0.012	80.00 3.150	+0/-0.03 +0/-0.0080	130 5.1	218 8.6	13 .5	4.8 .19	2.5 .10	1800	805,980 181,200	19.37 42.71		

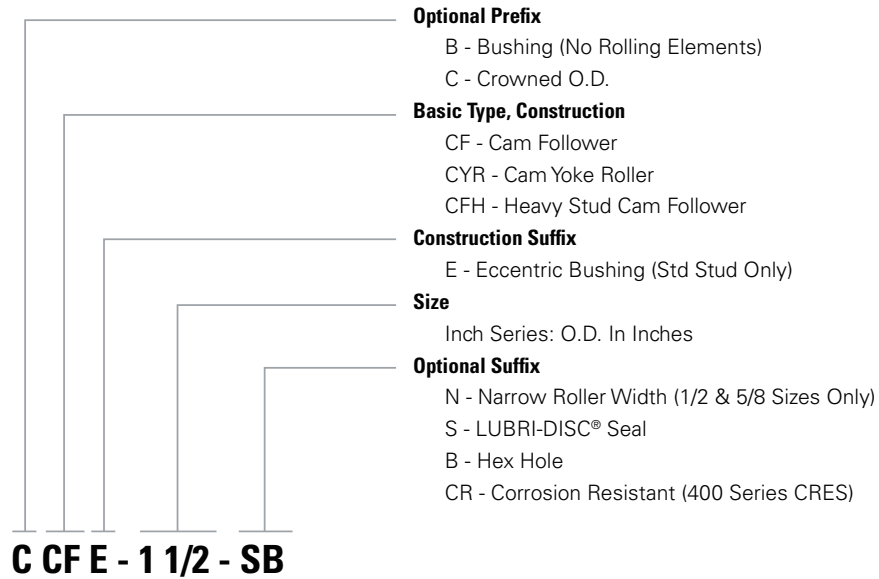
## SB 22300 (continued)

PART NO.	STRAIGHT BORE INTERNAL RADIAL CLEARANCE								TAPER (K) BORE INTERNAL RADIAL CLEARANCE (1" IN 12" ON DIAMETER)								OPTIONAL ADAPTER DIMENSIONS				
	C2		STANDARD		C3		C4		C2		STANDARD		C3		C4		ADAPTER NO.	ADAPTER SHAFT DIMENSION	B1	S	D1
	mm inch		mm inch		mm inch		mm inch		mm inch		mm inch		mm inch		mm inch			(REF)	(REF)	(REF)	(REF)
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX					
SB-22317	.0356 .0014	.0635 .0025	.0991 .0039	.1346 .0053	.1803 .0071	.0508 .0020	.0813 .0032	.1118 .0044	.1448 .0057	.1905 .0075	SNW 117	13.1 2.94	14.7 3.31	3.1 .70	19.6 4.41						
SB-22318	.0356 .0014	.0635 .0025	.0991 .0039	.1346 .0053	.1803 .0071	.0508 .0020	.0813 .0032	.1118 .0044	.1448 .0057	.1905 .0075	SNW 118	14.2 3.19	15.8 3.55	3.5 .78	20.7 4.66						
SB-22319	.0356 .0014	.0635 .0025	.0991 .0039	.1346 .0053	.1803 .0071	.0508 .0020	.0813 .0032	.1118 .0044	.1448 .0057	.1905 .0075	-	-	-	-	-						
SB-22320	.0432 .0017	.0787 .0031	.1219 .0048	.1626 .0064	.2108 .0083	.0635 .0025	.0991 .0039	.1346 .0053	.1753 .0069	.2261 .0089	SNW 120	15.3 3.44	17.7 3.97	3.7 .84	23.1 5.19						
SB-22322	.0432 .0017	.0787 .0031	.1219 .0048	.1626 .0064	.2108 .0083	.0635 .0025	.0991 .0039	.1346 .0053	.1753 .0069	.2261 .0089	SNW 122	17.5 3.94	20.9 4.69	4.0 .91	25.4 5.72						

Add K to base number indicate K bore option  
 Add W22 for select OD  
 All bearings are supplied with W03 option unless otherwise specified  
 Refers to oil lubrication and moderate load, use 50% of value for grease lubrication.  
 Complete adapter number indicated adapter sleeve, locknut, and washer, for components refer to S-sleeve, N= lock Nut, W= lock washer  
 For Expansion type bearing add E suffix immediately after diametrical clearance specification per nomenclature diagram.  
 Outside diameter may be oversized, due to internal retaining ring

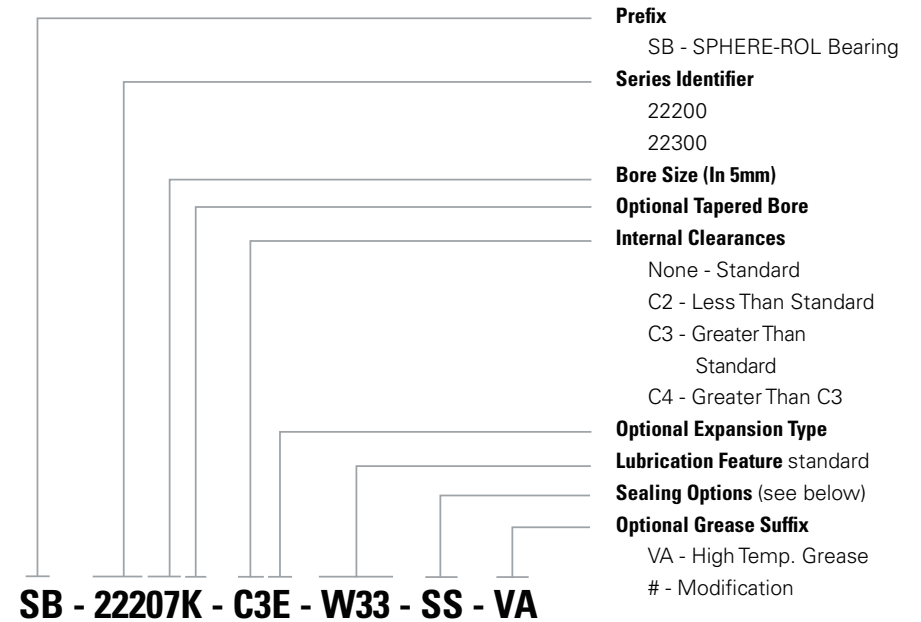
## Inch Cam Follower Bearings

### NOMENCLATURE



## SPHERE-ROL® Spherical Bearings

### NOMENCLATURE



#### STANDARD BORE

- S - Nylaplate Seal One Side
- SS - Nylaplate Seal Both Sides
- TS - High Temp. Seal One Side
- TSS - High Temp. Seal Both Sides
- YS - Lambda Seal One Side
- YSS - Lambda Seal Both Sides

#### TAPERED BORE

- S - Nylaplate Seal On Small End
- SSL - Nylaplate Seal On Large End
- TS - High Temp. Seal On Small End
- TSL - High Temp. Seal On Large End
- YS - Lambda Seal On Small End
- YSL - Lambda Seal On Large End

