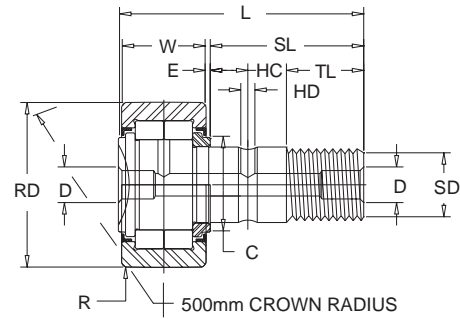


MCFD® SERIES

STUD TYPE

Series MCFD® — Shielded, full complement of cylindrical rollers



MCFD®

BEARING NO.	ROLLER DIA. RD (1)	ROLLER WIDTH W	STUD DIA. SD	STUD L'GTH. SL	OVERALL LENGTH L	ENDPLATE EXTENSION E	THREAD	THREAD LENGTH TL	OIL HOLE		REAMED HOLE D
	NOM.	+0.00 -0.12	NOM.	NOM.	NOM.	NOM.		MIN.	HC NOM.	HD NOM.	NOM.
	mm	mm	mm	mm	mm	mm		mm	mm	mm	mm
MCFD-35	35	18	16	32.5	52	0.8	M16x1.5	17	8	3	6
MCFD-40	40	20	18	36.5	58	0.8	M18x1.5	19	8	3	6
MCFD-47	47	24	20	40.5	66	0.8	M20x1.5	21	9	4	8
MCFD-52	52	24	20	40.5	66	0.8	M20x1.5	21	9	4	8
MCFD-62	62	29	24	49.5	80	0.8	M24x1.5	25	11	4	8
MCFD-72	72	29	24	49.5	80	0.8	M24x1.5	25	11	4	8
MCFD-80	80	35	30	63.0	100	1.0	M30x1.5	32	15	4	8
MCFD-90	90	35	30	63.0	100	1.0	M30x1.5	32	15	4	8

BEARING NO.	CORNER RADIUS R MIN.	ENDPLATE DIA. C	CLAMPING TORQUE (3) MAX.	LIMITING SPEED (2)		HOUSING BORE DIA.		LOAD RATING (NEWTONS)				BRG. MASS (APPROX.) Kg
				GREASE	OIL	mm		ISO LOAD RATING		LOAD RATING AS TRACK ROLLER		
						rpm	rpm	MIN.	MAX.	DYNAMIC	STATIC	
MCFD-35	0.6	21	57	6500	8500	16.000	16.018	23000	27000	16000	18000	.165
MCFD-40	1.0	23	85	5500	7200	18.000	18.018	25000	31000	18000	22000	.242
MCFD-47	1.0	27	118	4200	5500	20.000	20.021	38000	48000	27000	32000	.380
MCFD-52	1.0	21	118	3400	4400	20.000	20.021	42000	57000	30000	35000	.450
MCFD-62	1.0	38	216	2600	3400	24.000	24.021	58000	76000	41000	48000	.795
MCFD-72	1.1	44	216	2100	2700	24.000	24.021	64000	89000	46000	57000	1.010
MCFD-80	1.1	47	441	1800	2300	30.000	30.021	94000	129000	67000	91000	1.540
MCFD-90	1.1	47	441	1800	2300	30.000	30.021	94000	129000	67000	101000	1.960

- (1) Standard bearing has a crowned roller outside diameter. For straight cylindrical outside diameter, add suffix "X". (Example - MCFD-35-X)
- (2) Since load, lubrication method, temperature and other factors affect the maximum operating speed, it is impossible to determine precise limiting speed. The listed limiting speeds are based on lightly loaded bearings having adequate lubrication and are listed only as a design guide. If grease lubricated, frequent relubrication is required. Actual bearing testing in the specific application should be conducted if the anticipated operating speed approaches the listed limiting speed.
- (3) Clamping torque is based on dry threads. If threads are lubricated, use half of value shown.

Tolerance limits for Cylindrical Roller Dia. "RD"

RD (NOM.)		TOLERANCE	
OVER	INCL.	MAX.	MIN.
mm	mm	mm	mm
30	50	0	-0.011
50	80	0	-0.013
80	120	0	-0.015

Tolerance limits for Crowned Roller Dia. "RD"

RD (NOM.)		TOLERANCE	
OVER	INCL.	MAX.	MIN.
mm	mm	mm	mm
30	120	0	-0.050

Tolerance limits for Stud Dia. "SD"

SD (NOM.)		TOLERANCE	
OVER	INCL.	MAX.	MIN.
mm	mm	mm	mm
10	18	0	-0.018
18	30	0	-0.021