



MFCR
Flanged Stud Type

SMITH-TRAX®

General Information

The **Smith-Trax®** Series bearings are designed and manufactured to handle increased axial and radial loads by using **Tapered Roller Bearings** or **Deep Groove Ball Bearings**. These bearings should be used when standard needle roller bearings are not sufficient to handle the thrust load found in certain applications. Consult our Engineering Department for special requirements.

Dimensional Data (mm)

SMITH Bearing® Number	BEARING TYPE	D Roller O.D.	F Flange O.D.	B Roller Width	FB Flange Width	A Stud Dia. +0.00 -0.02	M Stud Length	S Eff. Thread Min.	T Thread	H Hex Size	R Shoulder or End Plate Dia.	Radial Basic Dynamic Rating (N) 500 hrs. 33 rpm.	Dynamic Thrust Load Rating (N) 500 hrs. 33 rpm.	Max Static Capacity (N)
	TRB-Tapered Roller Bearing BB-Ball Bearing													
MFCR-26	BB	26	35	20	5	10,000	23	13	M10 x 1	4	13.1	2,790	1,720	1,000
MFCR-30	BB	30	40	20	5	12,000	25	14	M1 x 1.5	4	15.9	2,790	1,720	1,000
MFCR-32	BB	32	42	23	5	12,000	25	14	M12x 1.5	8	15.9	6,000	3,700	2,680
MFCR-35	BB	35	46	23	5	16,000	32.55	18	M16x 1.5	8	19.1	6,000	3,700	2,680
MFCR-40	BB	40	54	30.0	8.8	146,000	40	26	M14 x 2	8	18	12,200	7,560	4,900
MFCR-47	TRB	47	61	27.6	7.8	20,000	40.5	21	M20x1.5	8	25.5	12,200	7,560	4,900
MFCR-50	TRB	50	68	40	14	16,000	50	35	M16 x 2	8	23	17,000	10,600	7,200
MFCR-52	TRB	52	66	33.6	10.8	20,000	40.5	21	M20x1.5	8	25.5	17,000	10,600	7,200
MFCR-62	TRB	62	78	44	14	24,000	58	35	M24 x 3	8	32	23,100	14,200	10,100
MFCR-72	TRB	72	90	44	14	24,000	49.5	25	M24 x 3	8	32	23,100	14,200	10,100
MFCR-76	TRB	76	98	52	14	30,000	69.5	40	M30x3.5	8	44.5	63,600	25,700	89,000
MFCR-80	TRB	80	102	52	14	30,000	69.5	40	M30x3.5	8	44.5	63,600	25,700	89,000
MFCR-85	TRB	85	107	52	14	30,000	69.5	40	M30x3.5	8	44.5	63,600	25,700	89,900
MFCR-90	TRB	90	112	52	14	30,000	69.5	40	M30x3.5	8	44.5	63,600	25,700	89,900
MFCR-100	TRB	100	125	52	14	30,000	80	50	M30x3.5	8	44.5	63,600	25,700	89,900
MFCR-125	TRB	125	148	76	18	48,000	105	60	M48 x 5	12	82.5	148,100	58,500	230,800
MFCR-150	TRB	150	173	76	18.3	64,000	140	82	M64 x 6	12	82.5	159,000	63,000	251,000
MFCR-200	TRB	200	223	76	18.3	64,000	140	82	M64 x 6	12	82.5	159,000	63,000	251,000