



FCR
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 (inches)

SMITH Bearing® Number	BEARING TYPE TRB-Tapered Roller Bearing BB-Ball Bearing	D	F	B	FB	A	M	S	T	H	R	Radial Basic Dynamic Rating (lbs) 500 hrs. 33 rpm.	Dynamic Thrust Load Rating (lbs) 500 hrs. 33 rpm.	Max Static Capacity (lbs)
		Roller O.D.	Flange O.D.	Roller Width	Flange Width	Stud Dia. +.000 -.001	Stud Length	Eff. Thread Min	Thread U.N.F. Class 2A	Hex Size	Shoulder or End Plate Dia.			
FCR-1½	BB	1.500	2 ³ / ₁₆	1 ³ / ₁₆	1 ¹ / ₃₂	.625	1½	3/4	5/8-18	5/16	3/4	2,520	1,320	1,370
FCR-1¾	BB	1.750	2 ⁷ / ₁₆	1 ¹¹ / ₁₆	1 ¹ / ₃₂	.750	1¾	7/8	3/4-16	5/16	1	2,520	1,320	1,370
FCR-2	BB	2.000	2 ¹¹ / ₁₆	1 ¹¹ / ₁₆	1 ⁹ / ₃₂	.875	2	1½/8	7/8-14	5/16	1	3,490	1,830	2,000
FCR-2¼	BB	2.250	2 ¹⁵ / ₁₆	1 ¹¹ / ₁₆	1 ⁹ / ₃₂	.875	2	1½/8	7/8-14	5/16	1	3,490	1,830	2,000
FCR-2½	BB	2.500	3 ³ / ₁₆	1 ¹¹ / ₁₆	1 ⁹ / ₃₂	1.000	2¼	1½/2	1-14	7/16	1¼/4	5,120	2,680	3,120
FCR-2¾	BB	2.750	3 ⁷ / ₁₆	1 ¹¹ / ₁₆	1 ⁹ / ₃₂	1.000	2¼	1½/2	1-14	7/16	1¼/4	5,120	2,680	3,120
FCR-3	TRB	3.000	3 ¹⁵ / ₁₆	2	1 ⁹ / ₃₂	1.250	2½	1¾/4	1¼/4-12	1/2	1¾/4	14,300	5,790	16,000
FCR-3¼	TRB	3.250	4 ³ / ₁₆	2	1 ⁹ / ₃₂	1.250	2½	1¾/4	1¼/4-12	1/2	1¾/4	14,300	5,790	16,000
FCR-3½	TRB	3.500	4 ⁷ / ₁₆	2	1 ⁹ / ₃₂	1.250	2¾/4	1¾/4	1¼/4-12	1/2	1¾/4	14,300	5,790	16,000
FCR-4	TRB	4.000	4 ¹⁵ / ₁₆	2	1 ⁹ / ₃₂	1.250	2¾/4	1¾/4	1¼/4-12	1/2	1¾/4	14,300	5,790	16,000
FCR-4½	TRB	4.500	5 ⁷ / ₁₆	2	1 ⁹ / ₃₂	1.250	2¾/4	1¾/4	1¼/4-12	1/2	1¾/4	14,300	5,790	16,000
FCR-5	TRB	5.000	5 ¹⁵ / ₁₆	3	2 ³ / ₃₂	2.000	4½	2½/2	2-12	5/8	3¼/4	35,800	13,300	40,000
FCR-6	TRB	6.000	6 ¹⁵ / ₁₆	3	2 ³ / ₃₂	2.500	5½	3¼/4	2½/2-12	5/8	3¼/4	35,800	14,200	62,000
FCR-7	TRB	7.000	7 ¹⁵ / ₁₆	3	2 ³ / ₃₂	2.500	5½	3¼/4	2½/2-12	5/8	3¼/4	35,800	14,200	62,000
FCR-8	TRB	8.000	8 ¹⁵ / ₁₆	3	2 ³ / ₃₂	2.500	5½	3¼/4	2½/2-12	5/8	3¼/4	35,800	14,200	62,000