



CR-BC & CR-XBC

Crowned • Regular Stud

Hex-Drive Socket

Regular Stud
with Crowned Outer Race
Hex-Drive Socket
Sealed or Unsealed
X = Sealed

For Eccentric Sleeve Add Suffix "E"
Example: CR-XBEC. See Page 15.

Dimensional Data (inches)

SMITH Bearing® Number		D Roller O.D. +.000 -.001	B Roller Width +.000 -.005	A Stud Dia. +.001 -.000	M Stud Length	S Eff. Thread Min.	T Thread U.N.F. Class 2A	HEX Size	N Oil Hole Location	H Oil Hole Dia.	P Lube Fitting Size ▲	Min Boss. Dia.	Recom. Bore +.0005 -.0000	Recom. Torque (lbs-in)	Basic Dynamic Rating (lbs)	Max Static Capacity (lbs)	R Crown Radius (Inches)
UNSEALED	SEALED																
CR-1/2-BC	CR-1/2-XBC	.500	.3750	.190	5/8	1/4	10-32	1/8	-	-	▲▲	19/64	.1900	20	970	720	7
CR-5/8-BC	CR-5/8-XBC	.500	.4375	.250	3/4	5/16	1/4-28	1/8	-	-	▲▲	23/64	.2500	50	1320	1250	8
CR-3/4-BC	CR-3/4-XBC	.750	.5000	.3750	7/8	3/8	3/8-24	3/16	1/4	3/32	3/16	1/2	.3750	120	2140	3200	10
CR-7/8-BC	CR-7/8-XBC	.875															
CR-1-BC	CR-1-XBC	1.000	.6250	.4375	1	1/2	7/16-20	1/4	1/4	3/32	3/16	5/8	.4375	350	3030	3100	12
CR-1 1/8-BC	CR-1 1/8-XBC	1.125															
CR-1 1/4-BC	CR-1 1/4-XBC	1.250	.7500	.5000	1 1/4	5/8	1/2-20	1/4	5/16	3/32	3/16	3/4	.5000	500	4470	4300	14
CR-1 3/8-BC	CR-1 3/8-XBC	1.375															
CR-1 1/2-BC	CR-1 1/2-XBC	1.500	.8750	.6250	1 1/2	3/4	5/8-18	5/16	3/8	3/32	3/16	57/64	.6250	1000	5560	5730	20
CR-1 5/8-BC	CR-1 5/8-XBC	1.625															
CR-1 3/4-BC	CR-1 3/4-XBC	1.750	1.0000	.7500	1 3/4	7/8	3/4-16	5/16	7/16	3/32	3/16	1 3/64	.7500	2000	7870	7950	20
CR-1 7/8-BC	CR-1 7/8-XBC	1.875															
CR-2-BC	CR-2-XBC	2.000	1.2500	.8750	2	1	7/8-14	7/16	1/2	5/32	3/16	1 13/64	.8750	2200	10370	10700	24
CR-2 1/4-BC	CR-2 1/4-XBC	2.250															
CR-2 1/2-BC	CR-2 1/2-XBC	2.500	1.5000	1.0000	2 1/4	1 1/8	1-14	1/2	9/16	5/32	3/16	1 5/16	1.0000	3000	15280	16650	30
CR-2 3/4-BC	CR-2 3/4-XBC	2.750															
CR-3-BC	CR-3-XBC	3.000	1.7500	1.2500	2 1/2	1 1/4	1 1/4-12	5/8	5/8	1/4	1/4	1 3/4	1.2500	5000	20200	25260	30
CR-3 1/4-BC	CR-3 1/4-XBC	3.250															
CR-3 1/2-BC	CR-3 1/2-XBC	3.500	2.0000	1.3750	2 3/4	1 3/8	1 3/8-12	5/8	11/16	1/4	1/4	2	1.3750	6000	29660	31800	30
CR-4-BC	CR-4-XBC	4.000			1.5000	3 1/2	1 1/2	1 1/2-12	3/4	3/4	1/4	1/4	2 1/4	1.5000	7000	35980	45100
CR-5-BC	CR-5-XBC	5.000	2.7500	2.0000	5 1/16	2 9/16	2-12	1	-	-	1/4 NPT	3	2.0000	7500	49750	56900	48
CR-6-BC	CR-6-XBC	6.000			2.2500	6	3	2 1/2-12	1	-	-	1/4 NPT	3 1/2	2.5000	7500	71400	94000

▲ Relubricate through threaded end only.
▲▲ Cannot be relubricated.