

TORRINGTON

construction

The Heavy Duty roller bearing is a unit assembly consisting of a channel-shaped outer race, a continuous one-piece retainer, and a complement of Controlled Contour rollers.

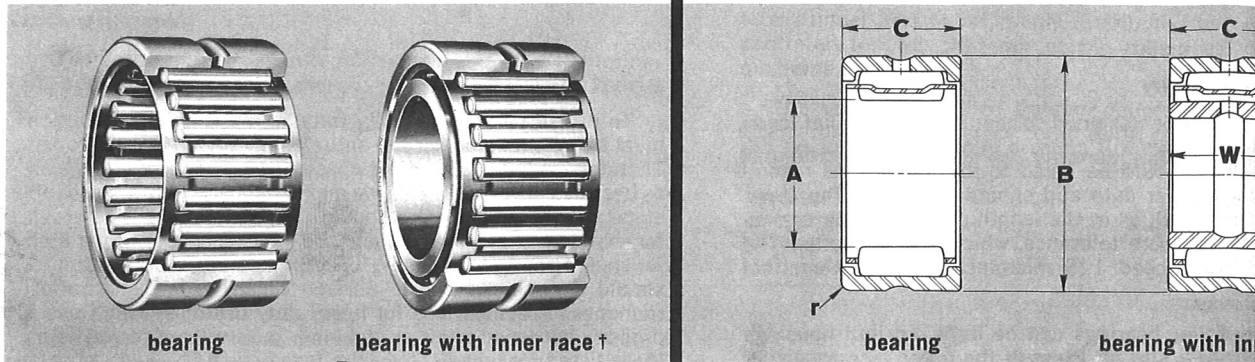
Lubrication grooves and holes are provided in the outer race to facilitate relubrication through the housing.

The unstamped end of the bearing has a radius or chamfer which will clear the maximum housing fillet listed below. The stamped end has a 1/32" minimum radius or chamfer.

dimensions

Dimensions given below are for the unplate bearing.

Shaft diameter and housing bore dimensions mount these bearings properly are given on page 100-101. It should be noted that two sets of shaft dimensions are listed depending upon whether a slip fit is intended for the bearing assembly.



bearing number	military standard number	dimensional guide, in.							wt. lbs.	used with inner race pp. 100-101	A ₁ inner race bore nominal
		nominal	A bore		B o.d.		C	r			
bearing without inner race			min.	max.	max.	min.	width +.000 - .005	housing fillet max.	appr.		
HJ-101812	MS 51961-1	5/8	.6258	.6267	1.1250	1.1245	.750	.025	.11	IR-061012	3/8
HJ-122012	MS 51961-2	3/4	.7509	.7518	1.2500	1.2495	.750	.040	.12	IR-081212	1/2
HJ-122016	MS 51961-3	3/4	.7509	.7518	1.2500	1.2495	1.000	.040	.16	IR-081216	1/2
HJ-142212	MS 51961-5	7/8	.8759	.8768	1.3750	1.3745	.750	.040	.14	IR-101412	5/8
HJ-142216	MS 51961-6	7/8	.8759	.8768	1.3750	1.3745	1.000	.040	.18	IR-101416	5/8
HJ-162412	MS 51961-8	1	1.0009	1.0018	1.5000	1.4995	.750	.040	.15	IR-121612	3/4
HJ-162416	MS 51961-9	1	1.0009	1.0018	1.5000	1.4995	1.000	.040	.20	IR-121616	3/4
										IR-131616	3/4
HJ-182616	MS 51961-11	1 1/8	1.1259	1.1268	1.6250	1.6245	1.000	.040	.22	IR-141816	7/8
HJ-182620	MS 51961-12	1 1/8	1.1259	1.1268	1.6250	1.6245	1.250	.040	.29	IR-151820	7/8
										IR-151820	1 1/8
HJ-202816	MS 51961-14	1 1/4	1.2510	1.2519	1.7500	1.7495	1.000	.040	.24	IR-162016	1
HJ-202820	MS-51961-15	1 1/4	1.2510	1.2519	1.7500	1.7495	1.250	.040	.31	IR-162020	1
HJ-223016	MS 51961-18	1 3/8	1.3760	1.3769	1.8750	1.8745	1.000	.040	.26	IR-182216	1 1/8
HJ-223020	MS 51961-19	1 3/8	1.3760	1.3769	1.8750	1.8745	1.250	.040	.34	IR-182220	1 1/8
HJ-243316	MS 51961-21	1 1/2	1.5010	1.5019	2.0625	2.0619	1.000	.060	.34	IR-202416	1 1/4
HJ-243320	MS 51961-22	1 1/2	1.5010	1.5019	2.0625	2.0619	1.250	.060	.43	IR-192420	1 3/8
										IR-202420	1 1/4
HJ-263516	MS 51961-24	1 5/8	1.6260	1.6269	2.1875	2.1869	1.000	.060	.35	IR-212616	1 3/8
HJ-263520	MS 51961-25	1 5/8	1.6260	1.6269	2.1875	2.1869	1.250	.060	.44	IR-212620	1 3/8
										IR-222620	1 3/8
HJ-283716	MS 51961-27	1 3/4	1.7510	1.7520	2.3125	2.3119	1.000	.060	.38	IR-232816	1 3/4
										IR-242816	1 1/2
HJ-283720	MS 51961-28	1 3/4	1.7510	1.7520	2.3125	2.3119	1.250	.060	.47	IR-222820	1 3/4
										IR-232820	1 3/4
										IR-242820	1 1/2
HJ-303920	MS 51961-29	1 7/8	1.8760	1.8770	2.4375	2.4369	1.250	.060	.50	IR-253020	1 3/8
HJ-324116	—	2	2.0011	2.0021	2.5625	2.5619	1.000	.060	.41	IR-273216	1 7/8
HJ-324120	MS 51961-30	2	2.0011	2.0021	2.5625	2.5619	1.250	.060	.52	IR-243220	1 1/2
										IR-253220	1 3/8
										IR-263220	1 3/8
										IR-273220	1 7/8

† See pp. 100-101 for inner race dimensions. Order inner races separately.