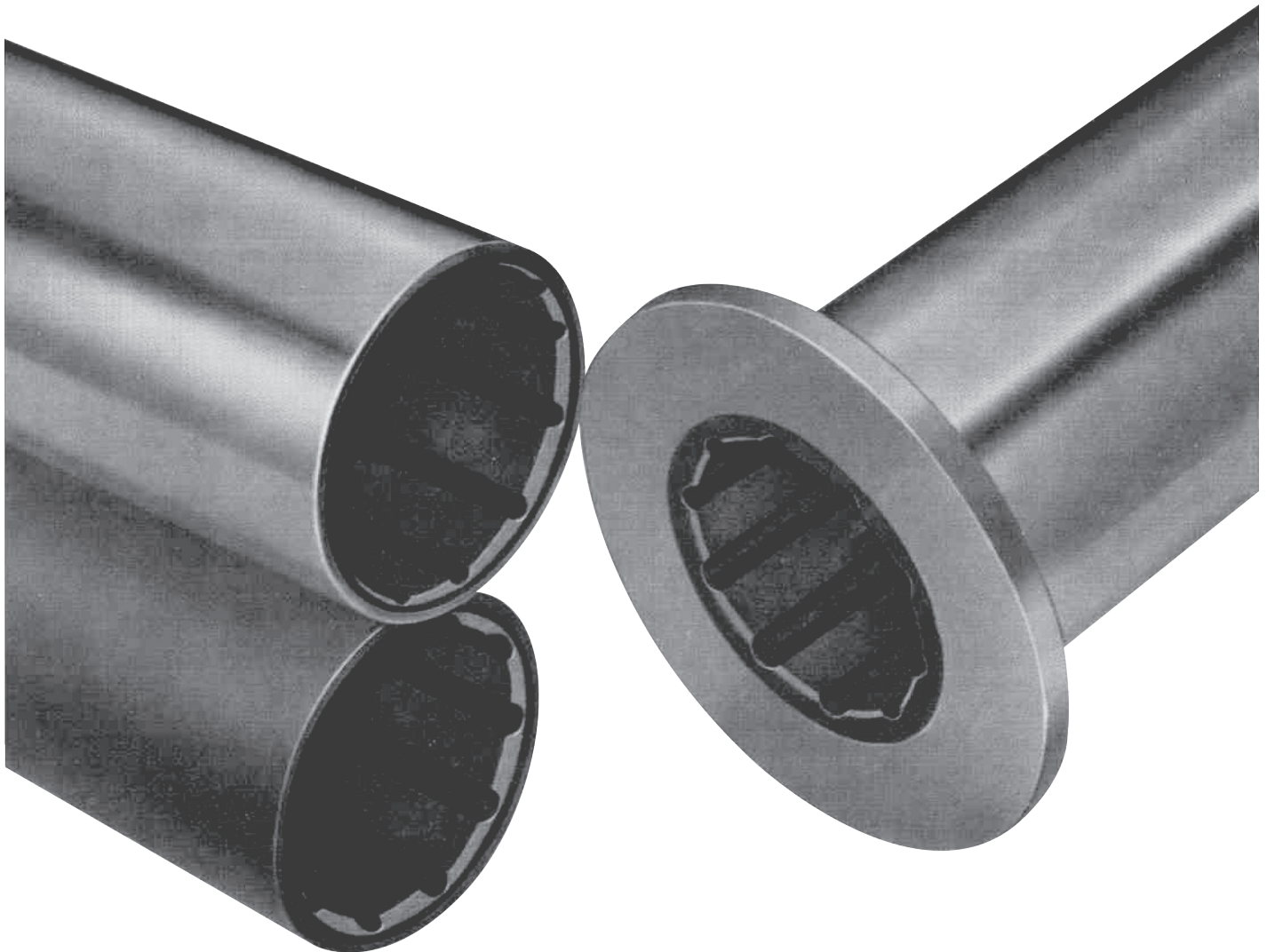




BEARINGS

CUTLASS BEARINGS & SLEEVES



BEARINGS



BEARINGS



WATER LUBRICATED STANDARD RUBBER SLEEVE BEARINGS FULL MOLDED TYPE

DURAMAX rubber-lined Naval Brass Sleeve Bearings adapt equally well to strut and stern-tube mounts, and are often used effectively as rudder-stock and pintle bushings. Bearing diameters are precision fitted to the designed shaft size with the correct clearance for efficient water lubrication. External brass shells are machined and polished to provide easy fitting. Specially formulated oil and chemical resistant nitrile rubber is securely bonded to the shell. Units with thin shells are available for the struts of small craft. Sleeve Bearings are usually installed by light press-fitting and locked in place with cone-pointed set screws.

APPROVED BEARINGS: Johnson-Duramax Naval Brass Flanged Bearings meet military specification MIL-B-17901A (Ships) Class II Full-Molded type.

PRECAUTION: When shrink fitting of the bearing is required, chilling must be achieved by gradual cooling to not more than minus 20° F (-28° C) using a freezer or regular ice (not Dry Ice).

NOTE: Pounding or shocking the bearing while in the chilled state could cause the rubber to separate from the shell.

JOHNSON CODE	DIMENSIONS (INCHES)				SHIPPING WEIGHT (LBS.)
	A SHAFT OR SLEEVE SIZE	B OUTSIDE DIAMETER	C LENGTH	D METAL WALL	
ABLE	3/4	1-1/4	3	1/8	1
**ACID	7/8	1-1/4	3-1/2	3/64	1
APEX	7/8	1-3/8	3-1/2	1/8	1
ATOM	7/8	1-1/2	3-1/2	1/8	1
**BACK	1	1-1/4	4	3/64	1
**BAIT	1	1-3/8	4	3/64	1
BALE	1	1-1/2	4	1/8	1
*BAND	1	1-5/8	4	1/8	1
BASE	1	2	4	1/8	2
**BEAM	1-1/8	1-1/2	4-1/2	3/64	1
BELT	1-1/8	1-5/8	4-1/2	1/8	1
*BEND	1-1/8	1-3/4	4-1/2	1/8	2
BILL	1-1/8	2	4-1/2	1/8	2
**BIND	1-1/4	1-1/2	5	3/64	1
BIRD	1-1/4	1-3/4	5	1/8	2
*BITE	1-1/4	2	5	1/8	2
BLOW	1-1/4	2-1/8	5	1/8	2
BOAT	1-3/8	1-7/8	5-1/2	1/8	2
BOLD	1-3/8	2	5-1/2	1/8	2
*BOND	1-3/8	2-1/8	5-1/2	1/8	2
BOOT	1-3/8	2-3/8	5-1/2	1/8	2
BOSS	1-1/2	2	6	1/8	2
*BRAD	1-1/2	2-3/8	6	1/8	3
BREW	1-5/8	2-1/8	6-1/2	1/8	2
BRIM	1-5/8	2-5/8	6-1/2	1/8	3
BROW	1-3/4	2-3/8	7	1/8	3
*BUCK	1-3/4	2-5/8	7	1/8	3
BULB	1-7/8	2-5/8	7-1/2	1/8	3
BULL	1-7/8	2-15/16	7-1/2	1/8	4
CALL	2	2-5/8	8	1/8	3
*CALM	2	3	8	1/8	4
CAME	2-1/8	2-15/16	8-1/2	1/8	3
CAPE	2-1/8	3-1/8	8-1/2	1/8	5

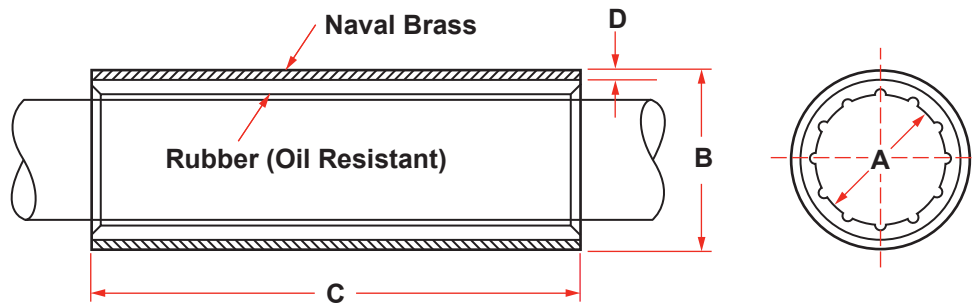
* Standard Sleeve for Stern Casting ** Slimline Bearing

BEARINGS





BEARINGS



DIMENSIONS (INCHES)					
JOHNSON CODE	A SHAFT OR SLEEVE SIZE	B OUTSIDE DIAMETER	C LENGTH	D METAL WALL	SHIPPING WEIGHT (LBS.)
CARE	2-1/4	2-15/16	9	1/8	4
*CART	2-1/4	3-1/8	9	1/8	5
CASE	2-1/4	3-3/8	9	1/8	6
COOK	2-3/8	3-3/8	9-1/2	1/8	6
CORD	2-1/2	3-1/8	10	1/8	5
*CORN	2-1/2	3-3/8	10	1/8	6
CRAB	2-5/8	3-3/8	10-1/2	1/8	6
CROW	2-3/4	3-3/8	11	1/8	6
*CURD	2-3/4	3-3/4	11	1/8	7
CURE	2-7/8	3-3/4	11-1/2	1/8	8
DANE	3	3-3/4	12	1/8	7
*DARE	3	4	12	1/8	8
DARK	3-1/8	4-1/4	12-1/2	1/8	10
DARN	3-1/4	4	13	1/8	8
DELL	3-1/4	4-1/4	13	1/8	10
DIKE	3-3/8	4-1/2	13-1/2	1/8	11
DINE	3-1/2	4-1/4	14	1/8	10
*DOCK	3-1/2	4-1/2	14	1/8	11
DOLE	3-5/8	4-1/2	14-1/2	1/8	11
DONE	3-3/4	4-1/2	15	1/8	11
DOVE	3-3/4	5	15	3/16	18
DRAW	3-3/4	5-1/4	15	3/16	19
DULL	3-7/8	5-1/4	15-1/2	3/16	20
*EARN	4	5	16	3/16	18
EASE	4	5-1/4	16	3/16	20
ECHO	4-1/8	5-1/4	16-1/2	3/16	20
*EDIT	4-1/4	5-1/2	17	3/16	23
ELSE	4-3/8	5-3/4	17-1/2	3/16	25
*EPIC	4-1/2	5-1/2	18	3/16	23
EDGE	4-1/2	5-3/4	18	3/16	25
EVEN	4-5/8	6-1/8	18-1/2	1/4	41
*EVER	4-3/4	6-1/8	19	1/4	40
EVIL	4-7/8	6-1/8	19-1/2	1/4	42
*FACE	5	6-1/8	20	1/4	42
FACT	5	6-1/2	20	1/4	47
*FADE	5-1/4	6-3/4	21	1/4	51
FARE	5-1/4	7	21	1/4	57
FEAR	5-3/8	6-3/4	21-1/2	1/4	52
FELT	5-3/8	7	21-1/2	1/4	56
*FIND	5-1/2	7	22	1/4	55
FLAT	5-5/8	7	22-1/2	1/4	56
*FORK	5-3/4	7	23	1/4	57
FUEL	5-7/8	7-1/2	24	1/4	66
*GALE	6	7-1/2	24	1/4	65
GOLD	6-1/2	8-3/8	30	7/16	150

BEARINGS



BEARINGS

SOLID FLANGED BEARINGS



STRUT OR AFT STERN TUBE • FULL MOLDED TYPE

Duramax Flanged Type Water Lubricated Bearings are centrifugally cast naval brass with an integral flange for bolting to stern Tube or Strut Housing to retain bearing and prevent rotation in housing. Specially formulated oil and chemical resistant nitrile rubber is securely bonded to the shell. Shells are heavy walled providing structural strength or step turned if desired.

APPROVED BEARINGS: Johnson-Duramax Naval Brass Flanged Bearings meet military specification MIL-B-17901A (Ships) Class II Full-Molded type. Flanges are furnished NOT DRILLED unless specified.

PRECAUTION: When shrink fitting of the bearing is required, chilling must be achieved by gradual cooling to not more than minus 20° F (-28° C) using a freezer or regular ice (not Dry Ice).

DIMENSIONS (INCHES)								SHIPPING WEIGHT LBS.
CODE	A SHAFT OR SLEEVE SIZE	B BEARING OUTSIDE DIAMETER	C BEARING LENGTH	D BEARING FLANGE DIAMETER	E FLANGE THICKNESS	F METAL I.D.	G METAL THICKNESS	
BRACE	2	3	8	5	3/8	2-5/8	3/16	8
BROAD	2-1/2	3-3/8	10	5-1/2	3/8	3-1/8	1/8	9
CATCH	3	4-1/4	12	6-3/4	1/2	3-3/4	1/4	17
CLAMP	3-1/4	4-1/2	13	7	1/2	4	1/4	20
CRANK	3-1/2	4-3/4	12-1/2	6-3/4	1/2	4-1/4	1/4	21
CLEAR	3-1/2	4-7/8	14	7-3/8	1/2	4-1/4	5/16	34
CIVIL	3-3/4	5-1/4	15	7-3/4	1/2	4-5/8	5/16	39
DRAFT	4	5-1/2	16	8	1/2	4-7/8	5/16	43
DREAD	4-1/4	5-3/4	17	8-1/4	1/2	5-1/8	5/16	47
DANCE	4-3/8	6	22	8-7/8	1/2	5-3/8	5/16	64
DRINK	4-1/2	6	18	8-7/8	1/2	5-3/8	5/16	54
DROVE	4-3/4	6-1/4	19	9-1/8	1/2	5-5/8	5/16	58
EARTH	5	6-3/4	20	9-5/8	9/16	6	3/8	75
EASEL	5-1/4	6-7/8	21	9-7/8	9/16	6-1/8	3/8	77
ERASE	5-1/2	7-1/4	22	10-1/4	9/16	6-1/2	3/8	89
EVENT	5-3/4	7-1/4	23	10-1/4	9/16	6-1/2	3/8	91
FABLE	6	7-3/4	15	12-1/4	9/16	7	3/8	75
FAULT	6	7-3/4	24	11	9/16	7	3/8	98
-	6-1/8	7-7/8	22	10-1/2	9/16	7-1/8	3/8	-
FENCE	6-1/4	8	22-1/2	10-5/8	9/16	7-1/4	3/8	99
-	6-3/8	8-1/8	23	10-3/4	9/16	7-3/8	3/8	-
FLARE	6-1/2	8-3/8	23-1/2	11	9/16	7-1/2	7/16	129
FLEET	6-1/2	8-3/8	30	11	5/8	7-1/2	7/16	141
FLUTE	6-5/8	8-1/2	15	13-1/2	5/8	7-5/8	7/16	100
FLOOR	6-5/8	8-1/2	24	11-1/4	9/16	7-5/8	7/16	133
FRANK	6-5/8	8-5/8	24	11-1/4	9/16	7-7/8	3/8	130
FROZE	6-3/4	8-3/4	24	11-1/4	5/8	7-7/8	7/16	131
FANCY	6-3/4	8-3/4	24-1/2	11-3/8	9/16	7-7/8	7/16	135
FOUND	6-7/8	8-7/8	24-1/2	11-3/8	9/16	7-7/8	1/2	134
-	6-7/8	8-7/8	25	11-1/2	9/16	8	7/16	-
GAVEL	7	9	25-1/2	11-5/8	9/16	8-1/8	7/16	137
GLAND	7	9-1/8	25-1/2	11-5/8	9/16	8-1/8	1/2	143
-	7-1/8	9-1/8	25-1/2	11-3/4	9/16	8-1/4	7/16	-
GLASS	7-1/4	9-1/4	26-1/2	11-7/8	9/16	8-3/8	7/16	148
-	7-3/8	9-1/2	27	12-1/8	9/16	8-5/8	7/16	-
GLORY	7-1/2	9-5/8	17-1/2	14-1/2	1	8-3/4	7/16	129
GLOBE	7-1/2	9-5/8	27-1/2	12-3/4	9/16	8-3/4	7/16	160
-	7-5/8	9-3/4	28	12-3/8	9/16	8-3/4	1/2	-
GIPSY	7-3/4	9-7/8	28-1/2	12-1/2	9/16	8-7/8	1/2	195
-	7-7/8	10	29	12-5/8	9/16	9-1/8	7/16	-
HEART	8	10-1/4	29-1/2	13-1/4	5/8	9-1/4	1/2	197
HEDGE	8	10-1/2	29-1/2	13-1/4	5/8	9-1/4	1/2	232
-	8-1/8	10-3/8	30	13-3/8	5/8	9-3/8	1/2	-
HITCH	8-1/4	10-1/2	30-1/2	13-1/2	5/8	9-1/2	1/2	212
-	8-3/8	10-5/8	31	13-5/8	5/8	9-5/8	1/2	-
HOIST	8-1/2	10-3/4	31-1/2	13-3/4	5/8	9-3/4	1/2	221
-	8-5/8	10-7/8	32	13-7/8	5/8	9-7/8	1/2	-
HOVER	8-3/4	11	32-1/2	14	5/8	10	1/2	229

NOTE: Pounding or shocking the bearing while in the chilled state could cause the rubber to separate from the shell.

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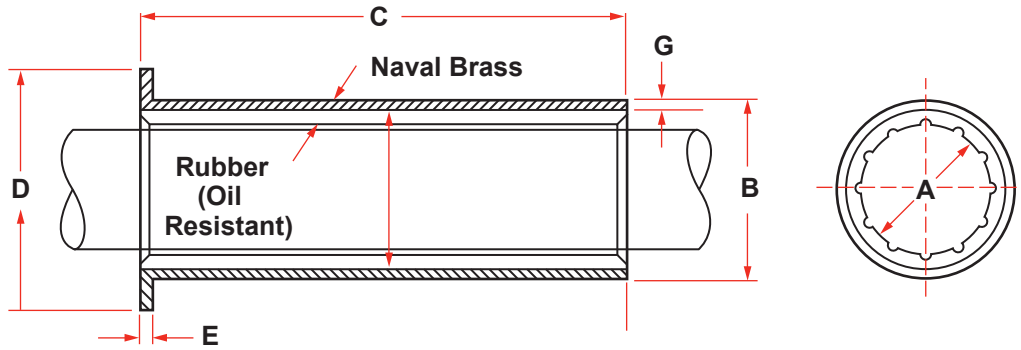
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BEARINGS



BEARINGS



CODE	DIMENSIONS (INCHES)							SHIPPING WEIGHT LBS.
	A SHAFT OR SLEEVE SIZE	B BEARING OUTSIDE DIAMETER	C BEARING LENGTH	D BEARING FLANGE DIAMETER	E FLANGE THICKNESS	F METAL I.D.	G METAL THICKNESS	
-	8-7/8	11-1/8	33	14-1/8	3/4	10-1/8	1/2	-
INFRA	9	11-1/4	33-1/2	14-1/4	3/4	10-1/4	1/2	246
IDEAL	9	11-1/2	33-3/8	15	3/4	10-1/4	5/8	275
-	9-1/8	11-3/8	34	14-1/2	3/4	10-3/8	1/2	287
INNER	9-1/8	11-1/2	34-1/2	16-3/8	5/8	10-3/8	9/16	284
IRISH	9-1/4	11-1/2	34-1/2	14-5/8	11/16	10-1/2	1/2	269
-	9-3/8	11-5/8	35	14-3/4	3/4	10-5/8	1/2	-
INSET	9-1/2	11-3/4	35-1/2	14-7/8	3/4	10-3/4	1/2	274
-	9-5/8	11-7/8	36	15	3/4	10-7/8	1/2	-
IVORY	9-3/4	12-1/8	36-1/2	15-1/4	3/4	11	9/16	295
-	9-7/8	12-1/4	37	15-3/8	3/4	11-1/8	9/16	-
JEWEL	10	12-3/8	37-1/2	15-1/2	3/4	11-1/4	9/16	332
-	10-1/8	12-1/2	38	15-5/8	3/4	11-1/4	5/8	-
JETTY	10-1/4	12-5/8	38-1/2	15-7/8	3/4	11-1/2	9/16	353
-	10-3/8	12-3/4	39	16	3/4	11-5/8	9/16	-
JUMBO	10-1/2	12-7/8	39-1/2	16-1/8	3/4	11-3/4	9/16	369
-	10-5/8	13	40	16-1/4	3/4	11-7/8	9/16	-
JUDGE	10-3/4	13-1/8	40-1/2	16-3/8	3/4	12	9/16	384
-	10-7/8	13-1/4	41	17	3/4	12-1/8	9/16	-
KNOCK	11	13-1/2	41-1/2	17-1/4	3/4	12-3/8	9/16	424
-	11-1/8	13-5/8	42	17-3/8	3/4	12-1/2	9/16	-
KRAFT	11-1/4	13-3/4	42-1/2	17-1/2	3/4	12-5/8	9/16	431
-	11-3/8	14	43	17-3/4	3/4	12-3/4	5/8	-
KNEEL	11-1/2	14-1/8	43-1/2	17-7/8	3/4	12-7/8	5/8	490
KNIFE	11-1/2	14-7/8	50-3/4	20-1/4	1-1/4	12-7/8	1	871
-	11-5/8	14-1/4	44	18	3/4	13	5/8	-
KNOTS	11-3/4	14-3/8	44-1/2	18-1/8	3/4	13-1/8	5/8	497
-	11-7/8	14-1/2	45	18-1/4	3/4	13-1/4	5/8	-
LABOR	12	14-3/4	45-1/2	18-1/2	3/4	13-1/2	5/8	524
LOGAN	12-1/8	14-7/8	46	18-5/8	3/4	13-5/8	5/8	-
LANCE	12-1/4	15	46-1/2	18-3/4	3/4	13-3/4	5/8	540
LEASE	12-3/8	15-1/8	47	18-7/8	3/4	13-7/8	5/8	-
LAYER	12-1/2	15-1/4	47-1/2	19	3/4	14	5/8	556
LOGIC	12-5/8	15-3/8	48	19-1/8	3/4	14-1/8	5/8	545
MILKY	12-3/4	15-1/2	48-1/2	19-1/4	3/4	14-1/4	5/8	-
MUSIC	12-7/8	15-5/8	49	19-3/8	3/4	14-3/8	5/8	-
MINCE	13	15-7/8	50	19-5/8	7/8	14-1/2	11/16	-
MITTY	13-1/8	16	50-1/2	19-3/4	7/8	14-5/8	11/16	-
MISTY	13-1/4	16-1/8	51	19-7/8	7/8	14-3/4	11/16	-
NIFTY	13-3/8	16-1/4	51-1/2	20	7/8	14-7/8	11/16	716
NIECE	13-1/2	16-3/8	52	20-1/8	7/8	15	11/16	718
NOVEL	13-5/8	16-1/2	52-1/2	20-1/4	7/8	15-1/8	11/16	-
ORTHA	13-3/4	16-5/8	53	20-3/8	7/8	15-1/4	11/16	-
OGGLE	13-7/8	16-3/4	53-1/2	20-1/2	7/8	15-3/8	11/16	-
OPERA	14	16-7/8	54	20-5/8	7/8	15-1/2	11/16	-
PURSE	14-1/8	17	54-1/2	20-3/4	7/8	15-5/8	11/16	-
POLAR	14-1/4	17-1/8	55	20-7/8	7/8	15-3/4	11/16	-
POINT	14-3/8	17-1/4	55-1/2	21	7/8	15-7/8	11/16	-
PRUNE	14-1/2	17-1/2	56	21-1/4	7/8	16	3/4	841
PRICE	14-5/8	17-5/8	56-1/2	21-3/8	7/8	16-1/8	3/4	-
PUNCH	14-3/4	17-3/4	57	21-1/2	7/8	16-1/4	3/4	-
QUAKE	14-7/8	17-7/8	57-1/2	21-5/8	7/8	16-3/8	3/4	-
QUIET	15	18	58	21-3/4	7/8	16-1/2	3/4	-

BEARINGS