Naval Brass Sleeve Bearings

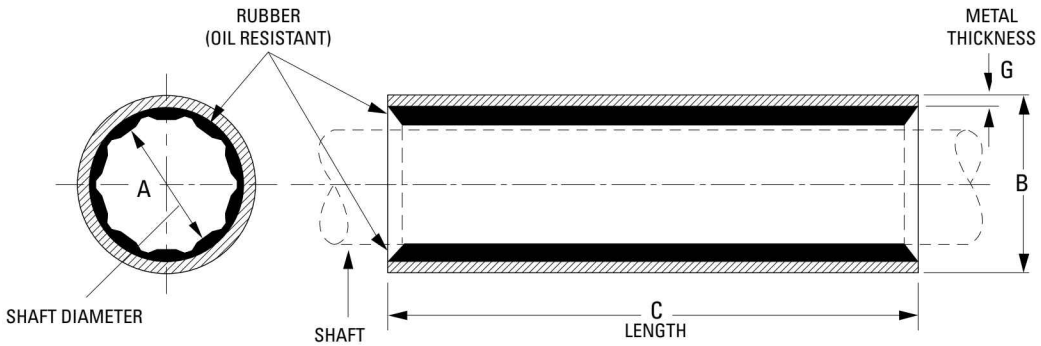
METRIC SIZE SERIES

Johnson Cutless® 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 designated 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.

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 freezer or regular ice **(DO NOT DRY ICE)**. NOTE: Pounding or shocking the bearing while in the chilled state could cause the rubber to separate from the shell.

Approved Bearings: Johnson Cutless® Naval Brass Sleeve Bearings meet military specification MIL-DTL-17901C (SH) Class II Full-Molded type and have full type approval from The American Bureau of Shipping.



Part Number	A Shaft Diameter mm	B Outside Diameter mm	C Length mm	G Metal Thickness mm	Gross Wt. lb.	Gross Wt. kg.
870254100	25	40	100	2.54	0.8	0.4
870284100	28	42	112	2.35	0.7	0.3
870304100	30	45	120	3.07	1.2	0.5
870324100	32	45	128	3.07	1.3	0.6
870354100	35	50	140	3.07	1.5	0.7
870384100	38	55	152	3.07	1.7	0.8
870404100	40	55	160	3.07	1.8	0.8
870454100	45	65	180	3.30	2.8	1.3
870504100	50	70	200	3.26	3.1	1.4
870554100	55	75	220	2.58	3.8	1.7
870604100	60	80	240	3.26	4.5	2.0
870654100	65	85	260	2.82	4.8	2.2
870704100	70	90	280	4.76	5.8	2.6
870754100	75	95	300	3.05	6.7	3.0
870804100	80	100	320	3.17	7.7	3.5
870854100	85	105	340	3.19	8.7	3.9
870904100	90	110	360	4.78	12.5	5.7
870954100	95	115	380	4.51	13.3	6.0
871004100	100	125	400	3.77	14.3	6.5
871054100	105	130	420	4.52	17.6	8.0
871104100	110	135	440	4.51	19.0	8.6
871154100	115	145	460	4.25	25.3	11.0
871204100	120	155	480	6.06	31.6	14.0
871304100	130	170	520	5.63	49.0	22.0
871404100	140	180	560	7.45	56.0	25.0

Non-Metallic Sleeve Bearings

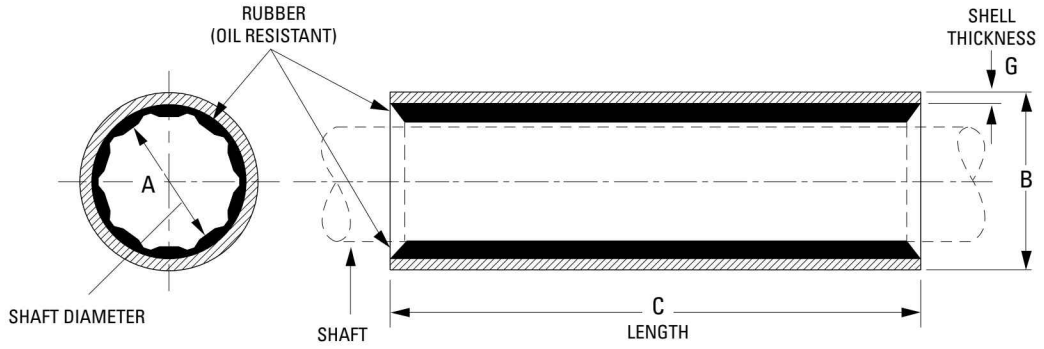
METRIC SIZE SERIES

Johnson Cutless® Non-Metallic Sleeve Bearings feature a dense structure of engineered reinforced thermoset plastic. The specially compounded Nitrile Rubber is securely bonded to the shell with all tolerances maintained for proper lubrication. Being non-corrosive and inherently resistant to all known chemicals, oil and grease, as well as being anti-electrolytic, the Johnson Cutless® Non-Metallic Sleeve Bearings are ideally suited for installations wherever corrosion or electrolysis is a problem.

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 freezer or regular ice **(DO NOT DRY ICE)**. NOTE: Pounding or shocking the bearing while in the chilled state could cause the rubber to separate from the shell.

Approved Bearings: Johnson Cutless Non-Metallic Sleeve Bearings have full type approval from The American Bureau of Shipping.



Part Number	A Shaft Diameter mm	B Outside Diameter mm	C Length mm	G Shell Thickness mm	Gross Wt. lb.	Gross Wt. kg.
870255700	25	40	100	2.54	0.3	0.1
870285700	28	42	112	2.35	0.4	0.2
870305700	30	45	120	3.07	0.4	0.2
870325700	32	45	128	3.07	0.5	0.2
870355700	35	50	140	3.07	0.5	0.2
870385700	38	55	152	3.07	0.6	0.3
870405700	40	55	160	3.07	0.6	0.3
870455700	45	65	180	3.30	0.9	0.4
870505700	50	70	200	3.25	1.1	0.5
870555700	55	75	220	2.58	1.3	0.6
870605700	60	80	240	3.25	1.6	0.7
870655700	65	85	260	2.81	1.8	0.8
870705700	70	90	280	4.75	2.0	0.9
870755700	75	95	300	3.05	2.5	1.1
870805700	80	100	320	3.16	2.6	1.2
870855700	85	105	340	3.17	3.0	1.4
870905700	90	110	360	4.76	3.4	1.5
870955700	95	115	380	4.50	4.0	1.8
871005700	100	125	400	3.76	4.6	2.1
871055700	105	130	420	4.51	5.2	2.4
871105700	110	135	440	4.51	6.0	2.7
871155700	115	145	460	4.24	7.6	3.4
871205700	120	155	480	6.06	8.6	3.9
871305700	130	170	520	5.63	13.0	5.9