



POLYLUBE DESIGN GUIDE STANDARD SIZES

THE POLYLUBE BEARING PART NUMBER SYSTEM

PolyLube Identification	Inside Diameter	Selected Liner	Outside Diameter	Length
PWR	Nominal ID x 16	M=MRP F=Fiber G=Glass Tape	Nominal OD x 16	x 16

STANDARD SIZES FOR POLYLUBE™ BEARINGS: 1/4" HEAVY WALL DIMENSIONS

Hex or square ID available as well as flange bearings and secondary machining. Most tooling available to make special sizes. IDs from 20" down to .125". All measurements in inches.

BEARING PART NUMBER	NOMINAL ID	ID	OD	RECOMMENDED HOUSING BORE	PRESS FIT	RECOMMENDED SHAFT SIZE	RUNNING CLEARANCE	LENGTH TOLERANCE
PWR08L16	1/2	0.5058 0.5088	1.0025 1.0045	1.000 1.002	0.0005 0.0045	0.5000 0.4980	0.0013 0.0103	+/- 0.010
PWR10L18	5/8	0.6309 0.6339	1.1276 1.1296	1.125 1.127	0.0005 0.0046	0.6250 0.6230	0.0013 0.0104	+/- 0.010
PWR12L20	3/4	0.7560 0.7590	1.2526 1.2546	1.250 1.252	0.0006 0.0046	0.7500 0.7480	0.0014 0.0104	+/- 0.010
PWR14L22	7/8	0.8811 0.8841	1.3777 1.3797	1.375 1.377	0.0006 0.0047	0.8750 0.8730	0.0014 0.0105	+/- 0.010
PWR16L24	1	1.0062 1.0092	1.5027 1.5047	1.500 1.502	0.0007 0.0047	1.0000 0.9980	0.0015 0.0105	+/- 0.010
PWR18L26	1-1/8	1.1314 1.1344	1.6278 1.6298	1.625 1.627	0.0007 0.0048	1.1250 1.1230	0.0016 0.0107	+/- 0.010
PWR20L28	1-1/4	1.2564 1.2594	1.7528 1.7548	1.750 1.752	0.0008 0.0048	1.2500 1.2480	0.0016 0.0106	+/- 0.010
PWR22L30	1-3/8	1.3816 1.3856	1.8779 1.8799	1.875 1.877	0.0008 0.0049	1.3750 1.3730	0.0017 0.0117	+/- 0.010
PWR24L32	1-1/2	1.5067 1.5107	2.0029 2.0049	2.000 2.002	0.0009 0.0049	1.5000 1.4980	0.0018 0.0118	+/- 0.010
PWR26L34	1-5/8	1.6318 1.6358	2.1280 2.1300	2.125 2.127	0.0009 0.0050	1.6250 1.6230	0.0018 0.0118	+/- 0.010
PWR28L36	1-3/4	1.7569 1.7609	2.2530 2.2550	2.250 2.252	0.0010 0.0050	1.7500 1.7480	0.0019 0.0119	+/- 0.010
PWR30L38	1-7/8	1.8820 1.8860	2.3781 2.3801	2.375 2.377	0.0011 0.0051	1.8750 1.8730	0.0019 0.0119	+/- 0.010
PWR32L40	2	2.0071 2.0111	2.5031 2.5051	2.500 2.502	0.0011 0.0051	2.0000 1.9980	0.0020 0.0120	+/- 0.010
PWR34L42	2-1/8	2.1333 2.1373	2.6292 2.6312	2.625 2.628	0.0012 0.0062	2.1250 2.1230	0.0021 0.0132	+/- 0.010
PWR36L44	2-1/4	2.2583 2.2623	2.7542 2.7562	2.750 2.753	0.0012 0.0062	2.2500 2.2480	0.0021 0.0131	+/- 0.010
PWR38L46	2-3/8	2.3835 2.3875	2.8793 2.8813	2.875 2.878	0.0013 0.0063	2.3750 2.3730	0.0022 0.0132	+/- 0.010
PWR40L48	2-1/2	2.5086 2.5126	3.0043 3.0063	3.000 3.003	0.0013 0.0063	2.5000 2.4980	0.0023 0.0133	+/- 0.010
PWR44L52	2-3/4	2.7588 2.7628	3.2544 3.2564	3.250 3.253	0.0014 0.0064	2.7500 2.7470	0.0024 0.0144	+/- 0.010
PWR48L56	3	3.0090 3.0130	3.5045 3.5065	3.500 3.503	0.0015 0.0065	3.0000 2.9970	0.0025 0.0145	+/- 0.010
PWR52L60	3-1/4	3.2592 3.2632	3.7546 3.7566	3.750 3.753	0.0016 0.0066	3.2500 3.2470	0.0026 0.0146	+/- 0.010
PWR56L64	3-1/2	3.5095 3.5135	4.0047 4.0067	4.000 4.003	0.0017 0.0067	3.5000 3.4970	0.0028 0.0148	+/- 0.010
PWR60L68	3-3/4	3.7597 3.7637	4.2548 4.2568	4.250 4.253	0.0018 0.0068	3.7500 3.7470	0.0029 0.0149	+/- 0.010
PWR64L72	4	4.0099 4.0139	4.5049 4.5069	4.500 4.503	0.0019 0.0069	4.0000 3.9970	0.0030 0.0150	+/- 0.010
PWR68L76	4-1/4	4.2601 4.2641	4.7550 4.7570	4.750 4.753	0.0020 0.0070	4.2500 4.2470	0.0031 0.0151	+/- 0.010
PWR72L80	4-1/2	4.5104 4.5144	5.0051 5.0071	5.000 5.003	0.0021 0.0071	4.5000 4.4970	0.0033 0.0153	+/- 0.010
PWR76L84	4-3/4	4.7606 4.7646	5.2552 5.2572	5.250 5.253	0.0022 0.0072	4.7500 4.7470	0.0034 0.0154	+/- 0.010
PWR80L88	5	5.0108 5.0148	5.5053 5.5073	5.500 5.503	0.0023 0.0073	5.0000 4.9970	0.0035 0.0155	+/- 0.010

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PWR	Nominal ID x 16	M=MRP F=Fiber G=Glass Tape	Nominal OD x 16	x 16

**POLYLUBE DESIGN GUIDE
STANDARD SIZES**



STANDARD SIZES FOR POLYLUBE™ BEARINGS: 1/8" HEAVY WALL DIMENSIONS

Hex or square ID available as well as flange bearings and secondary machining. Most tooling available to make special sizes. IDs from 20" down to .125". All measurements in inches.

BEARING PART NUMBER	NOMINAL ID	ID	OD	RECOMMENDED HOUSING BORE	PRESS FIT	RECOMMENDED SHAFT SIZE	RUNNING CLEARANCE	LENGTH TOLERANCE
PWR08L12	1/2	0.5058 0.5088	0.7525 0.7545	0.750 0.752	0.0005 0.0045	0.5000 0.4980	0.0013 0.0103	+/- 0.010
PWR10L14	5/8	0.6309 0.6339	0.8776 0.8796	0.875 0.877	0.0005 0.0046	0.6250 0.6230	0.0013 0.0104	+/- 0.010
PWR12L16	3/4	0.7560 0.7590	1.0026 1.0046	1.000 1.002	0.0006 0.0046	0.7500 0.7480	0.0014 0.0104	+/- 0.010
PWR14L18	7/8	0.8811 0.8841	1.1277 1.1297	1.125 1.127	0.0006 0.0047	0.8750 0.8730	0.0014 0.0105	+/- 0.010
PWR16L20	1	1.0062 1.0092	1.2527 1.2547	1.250 1.252	0.0007 0.0047	1.0000 0.9980	0.0015 0.0105	+/- 0.010
PWR18L22	1-1/8	1.1314 1.1344	1.3778 1.3798	1.375 1.377	0.0007 0.0048	1.1250 1.1230	0.0016 0.0107	+/- 0.010
PWR20L24	1-1/4	1.2564 1.2594	1.5028 1.5048	1.500 1.502	0.0008 0.0048	1.2500 1.2480	0.0016 0.0106	+/- 0.010
PWR22L26	1-3/8	1.3816 1.3856	1.6279 1.6299	1.625 1.627	0.0008 0.0049	1.3750 1.3730	0.0017 0.0117	+/- 0.010
PWR24L28	1-1/2	1.5067 1.5107	1.7529 1.7549	1.750 1.752	0.0009 0.0049	1.5000 1.4980	0.0018 0.0118	+/- 0.010
PWR26L30	1-5/8	1.6318 1.6358	1.8780 1.8800	1.875 1.877	0.0009 0.0050	1.6250 1.6230	0.0018 0.0118	+/- 0.010
PWR28L32"	1-3/4	1.7569 1.7609	2.0030 2.0050	2.000 2.002	0.0010 0.0050	1.7500 1.7480	0.0019 0.0119	+/- 0.010
PWR30L34"	1-7/8	1.8820 1.8860	2.1281 2.1301	2.125 2.127	0.0011 0.0051	1.8750 1.8730	0.0019 0.0119	+/- 0.010
PWR32L36	2	2.0071 2.0111	2.2531 2.2551	2.250 2.252	0.0011 0.0051	2.0000 1.9980	0.0020 0.0120	+/- 0.010
PWR34L38	2-1/8	2.1333 2.1373	2.3792 2.3812	2.375 2.378	0.0012 0.0062	2.1250 2.1230	0.0021 0.0132	+/- 0.010
PWR36L40	2-1/4	2.2583 2.2623	2.5042 2.5062	2.500 2.503	0.0012 0.0062	2.2500 2.2480	0.0021 0.0131	+/- 0.010
PWR38L42	2-3/8	2.3835 2.3875	2.6293 2.6313	2.625 2.628	0.0013 0.0063	2.3750 2.3730	0.0022 0.0132	+/- 0.010
PWR40L44	2-1/2	2.5086 2.5126	2.7543 2.7563	2.750 2.753	0.0013 0.0063	2.5000 2.4980	0.0023 0.0133	+/- 0.010
PWR44L48	2-3/4	2.7588 2.7628	3.0044 3.0064	3.000 3.003	0.0014 0.0064	2.7500 2.7470	0.0024 0.0144	+/- 0.010
PWR48L52	3	3.0090 3.0130	3.2545 3.2565	3.250 3.253	0.0015 0.0065	3.0000 2.9970	0.0025 0.0145	+/- 0.010
PWR52L56	3-1/4	3.2592 3.2632	3.5046 3.5066	3.500 3.503	0.0016 0.0066	3.2500 3.2470	0.0026 0.0146	+/- 0.010
PWR56L60	3-1/2	3.5095 3.5135	3.7547 3.7567	3.750 3.753	0.0017 0.0067	3.5000 3.4970	0.0028 0.0148	+/- 0.010
PWR60L64	3-3/4	3.7597 3.7637	4.0048 4.0068	4.000 4.003	0.0018 0.0068	3.7500 3.7470	0.0029 0.0149	+/- 0.010
PWR64L68	4	4.0099 4.0139	4.2549 4.2569	4.250 4.253	0.0019 0.0069	4.0000 3.9970	0.0030 0.0150	+/- 0.010
PWR68L72	4-1/4	4.2601 4.2641	4.5050 4.5070	4.500 4.503	0.0020 0.0070	4.2500 4.2470	0.0031 0.0151	+/- 0.010
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PWR80L84	5	5.0108 5.0148	5.2553 5.2573	5.250 5.253	0.0023 0.0073	5.0000 4.9970	0.0035 0.0155	+/- 0.010



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Hex or square ID available as well as flange bearings and secondary machining. Most tooling available to make special sizes. IDs from 20" down to .125". All measurements in inches.

BEARING PART NUMBER	NOMINAL ID	ID	OD	RECOMMENDED HOUSING BORE	PRESS FIT	RECOMMENDED SHAFT SIZE	RUNNING CLEARANCE	LENGTH TOLERANCE
PWR08L10	1/2	0.5058 0.5088	0.6275 0.6295	0.625 0.627	0.0005 0.0045	0.5000 0.4980	0.0013 0.0103	+/- 0.010
PWR10L12	5/8	0.6309 0.6339	0.7526 0.7546	0.750 0.752	0.0005 0.0046	0.6250 0.6230	0.0013 0.0104	+/- 0.010
PWR12L14	3/4	0.7560 0.7590	0.8776 0.8796	0.875 0.877	0.0006 0.0046	0.7500 0.7480	0.0014 0.0104	+/- 0.010
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