

Shims

About Shims

Shims are specially designed precision washers that align, level, and adjust parts in a wide variety of applications. Use for fast, accurate spacing on all types of shafts and machinery. They are available in a wide choice of thicknesses for a listed ID/OD and come in round, slotted, and tab styles. **Round** shims are especially good for aligning and leveling. Some have notches that fit into shaft keyways to hold the shim or bushing in place. Shims with notches are also called arbor spacers. **Slotted** shims are typically color coded for easy identification. **Tab**-style shims are slotted shims with tabs that allow quick installation and removal.

Shims



ID tolerance: +0.011" and -0.000"; OD tolerance: ±0.002". **Type 316 Stainless Steel**—Slightly magnetic. Contains molybdenum for better corrosion resistance than 18-8 stainless steel. Rockwell hardness is B85. Meets ASTM A240. **18-8 Stainless Steel**—May be slightly magnetic and has excellent corrosion resistance. Rockwell hardness is B85. Meets ASTM 240. **Aluminum**—5052-H32 to 5052-H34. Nonmagnetic. Mild resistance to weather-related corrosion. Rockwell hardness is B18-B31. **Brass**—Alloy 260. Nonmagnetic with good strength and corrosion resistance. Rockwell hardness is not rated. Brass shims meet ASTM B36, except for 92678A515 and A518, which meet ASTM B16. **Copper**—Alloy 110. Nonmagnetic and corrosion resistant with excellent electrical conductivity. Rockwell hardness is not rated. Meets ASTM B152. **Plain Steel**—C1008-C1010 steel with plain finish. Rockwell hardness is B84-B90. Meets AISI 1008/AISI 1010. Sold in packages of 10, unless noted.

ID	OD	Per Pkg.	Per Pkg.	Per Pkg.	Per Pkg.	Per Pkg.	Per Pkg.
Type 316 Stainless Steel							
		0.002" Thick (±0.0002")	0.005" Thick (±0.0005")	0.010" Thick (±0.001")	0.016" Thick (±0.002")	0.020" Thick (±0.0025")	0.025" Thick (±0.0008")
3/8"	5/8"	97022A216 \$3.47	97022A331 \$3.54	97022A378 \$3.52	97022A425 \$5.01	97022A448 \$4.30	97022A219 \$4.54
1/2"	3/4"	97022A237 3.59	97022A333 4.40	97022A380 4.95	97022A427 6.13	97022A450 5.67	97022A240 4.45
5/8"	1"	97022A258 4.09	97022A335 5.82	97022A382 7.54	97022A429 9.67	97022A452 8.10	97022A261 5.69
3/4"	1 1/8"	97022A749 8.73	97022A337 5.32	97022A384 7.08	97022A431 11.04	97022A454 10.33	97022A752 5.85
1"	1 1/2"	97022A770 8.76	97022A341 8.10	97022A388 12.76	97022A435 12.15	97022A458 14.53	97022A773 8.01
		0.030" Thick (±0.003")	0.045" Thick (±0.0010")	0.060" Thick (±0.0035")	0.090" Thick (±0.002")	0.125" Thick (±0.002")	
3/8"	5/8"	97022A495 \$4.40	97022A222 \$7.67	97022A541 \$6.38	97022A225 \$7.98	97022A228 \$8.62	
1/2"	3/4"	97022A497 4.40	97022A243 9.39	97022A543 8.00	97022A246 8.58	97022A249 9.52	
5/8"	1"	97022A499 7.44	97022A264 7.35	97022A545 13.37	97022A267 11.39		
3/4"	1 1/8"	97022A501 8.45	97022A755 10.40	97022A547 14.85	97022A758 13.39		
1"	1 1/2"	97022A505 13.11	97022A776 11.63	97022A551 14.95	97022A779 11.63	97022A782* 2.65	
18-8 Stainless Steel							
		0.001" Thick (±0.0001")	0.002" Thick (±0.0002")	0.003" Thick (±0.0003")	0.004" Thick (±0.0004")	0.005" Thick (±0.0005")	0.006" Thick (±0.0006")
3/8"	5/8"	98126A123 \$6.47	98126A165 \$6.03	98126A210 \$6.45	98126A250 \$6.45	98126A291 \$5.98	98126A333 \$6.06
1/2"	3/4"	98126A126 6.64	98126A168 6.39	98126A213 6.64	98126A253 6.58	98126A294 6.18	98126A336 6.23
5/8"	1"	98126A129 7.27	98126A171 6.67	98126A216 7.11	98126A256 7.01	98126A297 6.30	98126A339 6.70
3/4"	1 1/8"	98126A132 7.57	98126A174 6.85	98126A219 7.36	98126A259 7.36	98126A300 6.54	98126A342 6.74
7/8"	1 3/8"	98126A135 8.27	98126A177 7.39	98126A222 8.10	98126A262 8.27	98126A303 7.22	98126A345 7.42
1"	1 1/2"	98126A138 8.41	98126A180 7.61	98126A225 8.21	98126A265 8.30	98126A306 7.90	98126A348 8.29
1 1/8"	1 5/8"	98126A141 8.81	98126A183 7.89	98126A228 8.60	98126A268 8.72	98126A309 8.21	98126A351 8.64
1 1/4"	1 3/4"	98126A144 9.60	98126A186 7.06	98126A231 9.69	98126A271 9.12	98126A312 8.56	98126A354 9.10
1 3/8"	1 7/8"		98126A189 8.21	98126A234 9.76	98126A274 9.28	98126A315 8.65	98126A357 9.59
1 1/2"	2 1/8"		98126A192 8.84	98126A237 10.71	98126A277 10.52	98126A318 9.79	98126A360 10.56
1 3/4"	2 3/4"		98126A195 10.87	98126A240 13.82	98126A280 13.42	98126A321 12.32	98126A363 13.20
2"	2 3/4"		98126A198 11.19	98126A243 13.85	98126A283 13.43	98126A324 12.29	98126A366 13.59
		0.007" Thick (±0.0007")	0.008" Thick (±0.0008")	0.010" Thick (±0.001")	0.012" Thick (±0.002")	0.015" Thick (±0.002")	0.020" Thick (±0.0025")
3/8"	5/8"	98126A371 \$6.16	98126A412 \$6.22	98126A450 \$5.99	98126A491 \$5.91	98126A532 \$5.75	98126A573 \$5.90
1/2"	3/4"	98126A374 6.35	98126A415 6.27	98126A453 6.20	98126A494 6.11	98126A535 6.14	98126A576 6.51
5/8"	1"	98126A377 6.88	98126A418 7.07	98126A456 6.79	98126A497 6.62	98126A538 6.45	98126A579 6.44
3/4"	1 1/8"	98126A380 6.98	98126A421 7.22	98126A459 6.85	98126A500 6.93	98126A541 6.67	98126A582 6.67
7/8"	1 3/8"	98126A383 8.33	98126A424 8.05	98126A462 7.47	98126A503 7.66	98126A544 7.14	98126A585 7.18
1"	1 1/2"	98126A386 8.61	98126A427 8.76	98126A465 8.10	98126A506 8.65	98126A547 7.74	98126A588 7.80
1 1/8"	1 5/8"	98126A389 9.17	98126A430 9.59	98126A468 8.46	98126A509 8.73	98126A550 8.00	98126A591 8.18
1 1/4"	1 3/4"	98126A392 9.64	98126A433 9.88	98126A471 8.60	98126A512 9.49	98126A553 8.33	98126A594 7.44
1 3/8"	1 7/8"	98126A395 10.15	98126A436 10.79	98126A474 9.33	98126A515 10.05	98126A556 8.44	98126A597 8.94
1 1/2"	2 1/8"	98126A398 11.36	98126A439 12.10	98126A477 9.96	98126A518 11.14	98126A559 9.52	98126A600 9.75
1 3/4"	2 3/4"	98126A401 14.90	98126A442 14.85	98126A480 13.09	98126A521 14.32	98126A562 11.86	98126A603 12.66
2"	2 3/4"	98126A404 14.92	98126A445 14.95	98126A483 13.16	98126A524 14.72	98126A565 11.86	98126A606 12.57
		0.025" Thick (±0.0025")	0.030" Thick (±0.003")	0.048" Thick (±0.0035")	0.062" Thick (±0.0035")	0.093" Thick (±0.005")	0.125" Thick (±0.0025")
3/8"	5/8"	98126A612 \$6.08	98126A650 \$6.60	98126A691 \$6.30	98126A736 \$6.51	98126A785 \$7.62	98126A834 \$8.60
1/2"	3/4"	98126A615 6.20	98126A653 6.64	98126A694 6.65	98126A739 6.95	98126A788 8.29	98126A837 9.72
5/8"	1"	98126A618 6.62	98126A656 7.11	98126A697 7.41	98126A742 7.84	98126A791 9.80	98126A840 11.42
3/4"	1 1/8"	98126A621 6.89	98126A659 7.36	98126A700 7.66	98126A745 8.45	98126A794 10.64	98126A843 13.09
7/8"	1 3/8"	98126A624 7.58	98126A662 7.66	98126A703 8.68	98126A748 9.76	98126A797 14.14	98126A846 9.74
1"	1 1/2"	98126A627 8.05	98126A665 8.41	98126A706 9.87	98126A751 10.74	98126A800 14.95	98126A849 11.11
1 1/8"	1 5/8"	98126A630 8.65	98126A668 9.17	98126A709 10.51	98126A754 11.58	98126A803 9.48	98126A852 13.16
1 1/4"	1 3/4"	98126A633 8.59	98126A671 9.65	98126A712 11.28	98126A757 13.02	98126A806 11.03	98126A855 14.36
1 3/8"	1 7/8"	98126A636 11.70	98126A674 9.96	98126A715 11.66	98126A760 14.75	98126A809 12.20	98126A858 14.95
1 1/2"	2 1/8"	98126A639 13.04	98126A677 12.72	98126A718 13.33	98126A763 9.31	98126A812 14.95	
1 3/4"	2 3/4"	98126A642 10.32	98126A680 9.40	98126A721 14.85	98126A766 14.85	98126A815 3.39	
2"	2 3/4"	98126A645 9.88	98126A683 9.36	98126A724 14.95	98126A769 14.95	98126A818 3.44	
Aluminum							
		0.005" Thick (±0.0005")	0.010" Thick (±0.001")	0.016" Thick (±0.0016")	0.020" Thick (±0.0025")	0.032" Thick (±0.0025")	0.063" Thick (±0.0035")
3/8"	5/8"	92661A531 \$5.06	92661A578 \$4.84	92661A625 \$5.10	92661A648 \$4.92	92661A695 \$5.01	92661A741 \$4.92
1/2"	3/4"	92661A533 5.27	92661A580 5.01	92661A627 4.97	92661A650 5.10	92661A697 5.20	92661A743 5.23
5/8"	1"	92661A535 5.85	92661A582 5.41	92661A629 5.06	92661A652 5.14	92661A699 5.01	92661A745 5.54
3/4"	1 1/8"	92661A537 6.20	92661A584 5.63	92661A631 5.15	92661A654 5.28	92661A701 5.10	92661A747 5.72
1"	1 1/2"	92661A541 7.43	92661A588 6.46	92661A635 5.50	92661A658 5.72	92661A705 5.41	92661A751 6.34

■ Package quantity is 5. ★ Package quantity is 1.

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