

O-T. Lightnin® 316 SS Impellers

Choose from a variety of impeller designs; all are constructed of 316 stainless steel except high-flow impeller 04560-80. Order shafts separately below.

O. Axial Flow Impellers (Lightnin A-100) have Superpitch® design with a 1.5 pitch ratio for greater mixing capabilities. Standard axial flow; use for wetting dry powders.

P. Two-Blade Folding Impellers are perfect for mixing in vessels with narrow ports. Folded diameter is 1 1/16" (18 mm) for the 2" (51 mm) model and 1" (25 mm) for the 3" (76 mm) model. Impellers open fully when mixing.

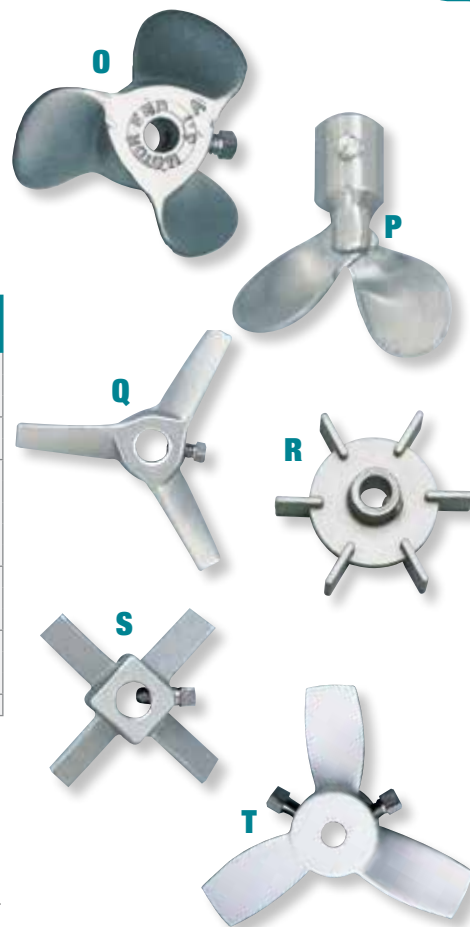
Q. High-Efficiency Axial Flow Impellers (Lightnin A-310) have laser designed blades to develop 50% more mixing action for high-flow, low-shear mixing.

R. High-Shear Radial Flow Impellers (Lightnin R-100) have paddles that produce added shear and moderate flow, in a radial direction.

S. Four-Blade Impellers (Lightnin A-200) are turbine impellers that have a 45° pitch and produce a semi-axial flow.

T. Laser Designed High-Flow Impeller (Lightnin A-410) produces strong axial flow at very high flow efficiency. Ideal for transitional flow regime mixing. Made of glass-filled polypropylene with 316 SS set screws.

Key	Overall dia, in. (mm)	Bore dia, in. (mm)	Catalog number	Price
O	3.1 (79)	5/16 (8)	GH-04560-54	
	2.7 (68)	3/8 (10)	GH-04540-20	
	3.1 (79)	3/8 (10)	GH-04540-30	
P	2.0 (51) open	5/16 (8)	GH-04543-00	
	3.0 (76) open	3/8 (10)	GH-04561-66	
Q	2.5 (64)	5/16 (8)	GH-04560-25	
	3.8 (96)	5/16 (8)	GH-04560-22	
	4.5 (114)	5/16 (8)	GH-04560-23	
	2.5 (64)	3/8 (10)	GH-04560-50	
R	3.4 (86)	3/8 (10)	GH-04540-25	
	1.5 (38)	5/16 (8)	GH-04560-57	
	2.0 (51)	5/16 (8)	GH-04560-30	
S	3.0 (76)	5/16 (8)	GH-04560-60	
	2.0 (51)	5/16 (8)	GH-04561-60	
	2.0 (51)	3/8 (10)	GH-04560-61	
T	3.9 (99)	5/16 (8)	GH-04560-80	



U-Z. General-Purpose 316 SS Shafts, Extension Rods, Sleeves, and Propellers

U. Shafts. All 3/8" (9.5 mm) dia shafts are machined (1/2" [13 mm] length) on one end to accept a 5/16" (8 mm) bore dia propeller. Made of passivated stainless steel.

Shaft dimensions, dia x L, in. (mm)	Catalog number	Price
5/16 x 12 (8 x 305)	GH-04552-20	
5/16 x 18 (8 x 457)	GH-04552-30	
3/8 x 12 (10 x 305)	GH-04552-25	
3/8 x 18 (10 x 457)	GH-04552-35	
3/8 x 24 (10 x 610)	GH-04552-00	
3/8 x 30 (10 x 762)	GH-04552-05	

X. Three-Blade Propellers are for general-purpose mixing. Use alone or mount several on a single shaft for thorough agitation. Made of electropolished 316 SS.

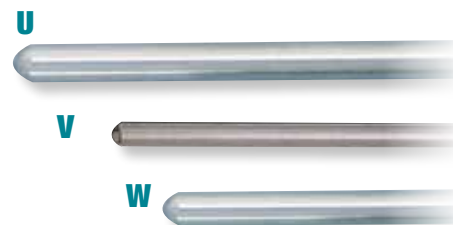
Y. Lightweight Three-Blade Propellers have blades that twist to achieve the desired pitch.

Z. Folding Propeller is for use in narrow-mouth vessels. Folded diameter is 1 1/16" (18 mm).

V-W. Extension Rods and Sleeves increase shaft length. One sleeve is required to connect each extension rod to your shaft.

Length in. (mm)	1/4" (6 mm) dia rods		5/16" (8 mm) dia rods	
	Cat. no.	Price	Cat. no.	Price
V. Extension rods; include Allen wrench				
6 (152)	GH-04366-10		GH-04367-10	
12 (305)	GH-04366-20		GH-04552-20	
18 (457)	GH-04366-30		GH-04552-30	
W. Sleeves; for use with extension rods above				
3 (76)	GH-04363-00		GH-04364-00	

Key	Overall dia, in. (mm)	Bore dia, in. (mm)	Catalog number	Price
X	1 (25)	5/16 (8)	GH-04552-40	
	1 1/2 (38)	5/16 (8)	GH-04552-45	
	2 (51)	5/16 (8)	GH-04552-50	
	2 (51)	3/8 (10)	GH-04552-55	
	3 (76)	5/16 (8)	GH-04552-60	
Y	2 (51)	1/4 (6)	GH-04349-10	
	3 1/2 (89)	5/16 (8)	GH-04349-00	
Z	2 (51) open	5/16 (8)	GH-04543-00	



AA-CC. High-Shear 304 SS Metric Shaft and Propellers

AA. Mixing Shaft for use with any 10 mm dia or adjustable 3/8" (10 mm) dia chuck. Measures 10 mm dia X 500 mm L.

[GH-04370-02](#) Mixing shaft

BB. Dispersion Blade, high-shear for tearing action, low flow. 5/16" (8-mm) bore.

CC. Four-Blade Propellers are for general purpose vortex mixing. Threaded 10 mm dia bore fits only shaft model 04370-02 (above).

Key	Overall dia, in. (mm)	Catalog number	Price
BB	1 1/8 (33)	GH-04552-62	
CC	2 1/8 (75)	GH-04370-11	
	2 3/8 (60)	GH-04370-12	
	1 1/2 (40)	GH-04370-13	

