



IMPELLER PULLER

Impeller Removal Tool Product Data Sheet

Models: ImpelPro Standard (PULLER 01) and
ImpelPro Large (PULLER 02) | Rev A · September 2026

ImpelPro is a patented puller for flexible vane impellers in inboard marine engines, generators and auxiliary pump systems. Two models cover impellers from 1-9/16" to 4-5/8". Arms and strong back are machined from 6061-T6 billet aluminum. Rods and hardware are 316L stainless steel. Made in USA of US and imported parts. U.S. Patent No. 12,467,478.



DESIGN AND CONSTRUCTION

- ✓ Piercing teeth grip the impeller hub. No load is transferred to the water pump housing.
- ✓ Two rod lengths per model. Both rods ship with every tool. The shorter rod is for restricted access, the longer rod for deeper pump bodies.
- ✓ Minimum clearance equals rod length. The Standard works in as little as 4.2". The Large works in as little as 6.2".
- ✓ One-handed operation. The bearing carries the load, so a 9/16" wrench or socket winds the rod out with one hand and minimal effort.
- ✓ 6804-RS bearing. A single-row, deep-groove, thin-section radial ball bearing from the 6800 metric series, housed in the knurled thumbscrew.

HOW THE DESIGN WORKS

The knurled thumbscrew houses the bearing. Tightening the thumbscrew closes the arms into the impeller hub, with the top of the arms riding on the bearing so the arms set cleanly as the screw turns. The threaded rod then passes down through the top of the thumbscrew and the strong back until it contacts the water pump shaft. Winding the rod works against the shaft, the arms grip tighter as the load builds, and the impeller draws straight out.

Full step-by-step instructions are at impelpro.com and through the QR code on the package.

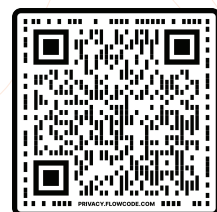
AT A GLANCE U.S. Patent No. 12,467,478

6061-T6 billet aluminum and
316L stainless steel, Made in USA
of US and imported parts, 7-Year
Limited Warranty

Product, fit or specification questions

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Scan for the demonstration
video, fit guide and
full instructions





FIT AND COMPATIBILITY

How to measure

Impeller size is measured across the vane tips, not across the hub.
Measure the outside diameter of the impeller at the widest point of the vanes and match it to the range below.
Measuring at the hub will select the wrong model.

Coverage

Standard: 1-9/16" to 2-9/16"
Large: 2-9/16" to 4-5/8"

Pump compatibility

Any flexible vane pump whose impeller falls within the size range, on keyed, threaded or splined shafts.
Common pump brands include Jabsco, JMP, Sherwood, Johnson and Oberdorfer.

Application compatibility

Fit is determined by the pump, not by the engine. If it is a flexible vane pump and the impeller measures within range across the vane tips,
ImpelPro pulls it. That includes raw water cooling on inboard engines and marine generators, RSW and refrigeration systems, washdown and deck wash pumps, and fluid transfer pumps.

Representative engine and generator applications

Volvo Penta, Cummins and Onan, Caterpillar, Detroit Diesel, John Deere, Scania, MAN, Yanmar, Westerbeke, Northern Lights, MerCruiser. This list is representative, not exhaustive.

Not applicable

Outboard engines
Centrifugal, gear and diaphragm pumps

MATERIALS AND CONSTRUCTION

Arms and strong back: 6061-T6 billet aluminum, machined from solid plate
Rods, thumbscrew and hardware: 316L stainless steel
Rods: 12mm diameter, 1.75mm thread pitch
Bearing: 6804-RS single-row deep-groove radial ball bearing, thin-section, 6800 metric series
Teeth: machined, piercing
Operation: one-handed, 9/16" wrench or socket
Origin: Made in USA of US and imported parts
7-Year Limited Warranty: Administered directly by ImpelPro

PACKAGING AND CASE PACKS

Format: retail clamshell, hang hole, shelf ready
In the box: puller body, knurled thumbscrew, two threaded rods Instructions, warranty and demonstration videos are reached by the QR code printed on the package

	Standard	Large
Clamshell size	9.8" x 6.9" x 3"	9.8" x 6.9 x 3"
Packaged weight	.935 lbs	1.078 lbs
6-Pack carton	11-1/4" x 8-5/8" x 10"	11-1/4" x 8-5/8" x 10"
6-pack net / gross	5.68 lb	6.48 lb / 7.2 lb
24-pack carton	20" x 14" x 10"	20" x 14" x 10"
24-pack net / gross	22.28 lb / 23.84 lb	25.92 lb / 27.48 lb

Specification	ImpelPro Standard	ImpelPro Large
SKU	ImpelProPULLER01	ImpelProPULLER02
UPC (GTIN-12)	860013107406	860013107437
GTIN-14 (case)	00860013107406	00860013107437
Impeller size range (across vane tips)	1-9/16" to 2-9/16"	2-9/16" to 4-5/8"
Height (thumbscrew top to arm tip)	3.75"	5.0"
Strong back length	3.0"	3.0"
Thumbscrew diameter	1.5"	1.5"
Rods supplied	4.2" and 6.2"	6.2" and 7.2"
Rod diameter and pitch	12mm, 1.75mm	12mm, 1.75mm
Minimum clearance required	4.2"	6.2"
Unit weight (net)	12 oz	16 oz
Packaged weight	14 oz	1.2 lb
Clamshell dimensions	9.8" x 6.8" x 2.8"	10" x 6.8" x 3"
Operation	One-handed, 9/16" wrench	One-handed, 9/16" wrench
Shaft types	Keyed, threaded, splined	Keyed, threaded, splined
Pump type	Flexible vane only	Flexible vane only
Arms and strong back	6061-T6 billet aluminum	6061-T6 billet aluminum
Rods and hardware	316L stainless steel	316L stainless steel
Case pack	6 or 24 units	6 or 24 units
Country of origin	Made in USA of US and imported parts	Made in USA of US and imported parts
HTS code	8205.59.7000	8205.59.7000
Patent	U.S. Patent No. 12,467,478	U.S. Patent No. 12,467,478
Warranty	7-Year Limited	7-Year Limited