

## Quick-Release Positive Locking Pins (Pip Pins)

**Pip Pins** are high-strength, quick-release fasteners with many racing applications. They are designed to replace a nut and bolt assembly in applications loaded exclusively in shear. This makes them ideal for installing almost anything that needs to be removed frequently, either for adjustment or for quick replacement in the pits. Our Pip Pins are manufactured to MS and NAS specifications (MS17987-S / NASM 17987-S). The shank is 4130 alloy steel, heat treated to 180,000 psi tensile strength, and cadmium plated. These pins have two stainless steel locking balls that securely hold the pin in place until the release button is depressed. Cheaper quick-release pins use simple spring-loaded lock balls, which

can be pushed back into the shank at any time. That can allow the cheaper pins to fall out in normal use. Our pins are strong enough to be used in place of AN bolts in critical double-shear applications such as shock absorber mounts, suspension links, and wing supports. They're even handy in the shop and the trailer! **Note:** The locking balls are very low-profile and require a close-fitting hole. We recommend using an AN960 flat washer (sold separately) on that end of the pin to prevent the pin from pulling through a hole that is slightly loose or chamfered. A large-diameter AN970 washer should be used if the hole is badly worn, or if the pin is used in soft material such as fiberglass or thin sheet metal.



Shear Strength Ratings (when mounted in double shear)	
Size	Rated Strength
1/4" diameter	8200 lbs
5/16" diameter	12,800 lbs
3/8" diameter	18,400 lbs

**Grip Length** is the distance from the shoulder to the locking balls.  
**Diameter** is the shank diameter with the locking balls retracted.  
 Our part numbering system calls out the Diameter in sixteenths of an inch, followed by the Grip Length in decimals.

### Ring-Handle Type Pip Pins



The Ring-Handle type has a small-diameter round head that is perfect for installations where the pin fits into a recess, such as in fiberglass bodywork. The stainless steel bail-type ring handle (max. 1 1/8" wide) allows you to tether the pin so it won't get lost. The blue anodized aluminum release button is located in the center of the head.

### T-Handle Type Pip Pins



The black anodized aluminum T-handle on these pins make them much easier to grip. The T-handle measures 1 13/16" long on the 1/4" and 5/16" diameter sizes, and 2" long on the 3/8" diameter size. A split ring through one end of the T-handle lets you attach a lanyard for security. The release button is located in the center of the T-handle.

HARDWARE

1/4" Shank Diameter	Part No.	Price
1/4" Diameter x 1/2" Grip Length	3050-4-.50	\$16.79
1/4" Diameter x 3/4" Grip Length	3050-4-.75	\$17.49
1/4" Diameter x 1.00" Grip Length	3050-4-1.00	\$17.49
1/4" Diameter x 1.25" Grip Length	3050-4-1.25	\$18.49
1/4" Diameter x 1.50" Grip Length	3050-4-1.50	\$18.49
1/4" Diameter x 1.75" Grip Length	3050-4-1.75	\$18.49
1/4" Diameter x 2.00" Grip Length	3050-4-2.00	\$18.49
1/4" Diameter x 2.25" Grip Length	3050-4-2.25	\$19.49
1/4" Diameter x 2.50" Grip Length	3050-4-2.50	\$19.49
1/4" Diameter x 3.00" Grip Length	3050-4-3.00	\$19.49
1/4" Diameter x 4.50" Grip Length	3050-4-4.50	\$25.99
5/16" Shank Diameter	Part No.	Price
5/16" Diameter x 1/2" Grip Length	3050-5-.50	\$18.49
5/16" Diameter x 3/4" Grip Length	3050-5-.75	\$18.49
5/16" Diameter x 1.00" Grip Length	3050-5-1.00	\$18.99
5/16" Diameter x 1.25" Grip Length	3050-5-1.25	\$19.49
5/16" Diameter x 1.50" Grip Length	3050-5-1.50	\$20.49
5/16" Diameter x 1.75" Grip Length	3050-5-1.75	\$20.49
5/16" Diameter x 2.00" Grip Length	3050-5-2.00	\$20.49
5/16" Diameter x 2.25" Grip Length	3050-5-2.25	\$22.99
5/16" Diameter x 2.50" Grip Length	3050-5-2.50	\$22.99
5/16" Diameter x 3.00" Grip Length	3050-5-3.00	\$23.79
5/16" Diameter x 3.50" Grip Length	3050-5-3.50	\$23.99
5/16" Diameter x 4.00" Grip Length	3050-5-4.00	\$25.29
3/8" Shank Diameter	Part No.	Price
3/8" Diameter x 3/4" Grip Length	3050-6-.75	\$21.99
3/8" Diameter x 1.00" Grip Length	3050-6-1.00	\$22.99
3/8" Diameter x 1.25" Grip Length	3050-6-1.25	\$22.99
3/8" Diameter x 1.50" Grip Length	3050-6-1.50	\$23.99
3/8" Diameter x 1.75" Grip Length	3050-6-1.75	\$23.99
3/8" Diameter x 2.00" Grip Length	3050-6-2.00	\$23.99
3/8" Diameter x 2.25" Grip Length	3050-6-2.25	\$24.99
3/8" Diameter x 2.50" Grip Length	3050-6-2.50	\$25.99
3/8" Diameter x 3.00" Grip Length	3050-6-3.00	\$24.99
3/8" Diameter x 3.50" Grip Length	3050-6-3.50	\$27.49
3/8" Diameter x 4.00" Grip Length	3050-6-4.00	\$27.49
3/8" Diameter x 4.50" Grip Length	3050-6-4.50	\$29.29

1/4" Shank Diameter	Part No.	Price
1/4" Diameter x 1/2" Grip Length	3043-4-.50	\$16.99
1/4" Diameter x 3/4" Grip Length	3043-4-.75	\$17.29
1/4" Diameter x 1.00" Grip Length	3043-4-1.00	\$17.29
1/4" Diameter x 1.25" Grip Length	3043-4-1.25	\$17.99
1/4" Diameter x 1.50" Grip Length	3043-4-1.50	\$17.99
1/4" Diameter x 1.75" Grip Length	3043-4-1.75	\$17.99
1/4" Diameter x 2.00" Grip Length	3043-4-2.00	\$17.99
1/4" Diameter x 2.25" Grip Length	3043-4-2.25	\$17.99
1/4" Diameter x 2.50" Grip Length	3043-4-2.50	\$18.99
1/4" Diameter x 3.00" Grip Length	3043-4-3.00	\$18.79
1/4" Diameter x 4.50" Grip Length	3043-4-4.50	\$22.79
5/16" Shank Diameter	Part No.	Price
5/16" Diameter x 1/2" Grip Length	3043-5-.50	\$20.29
5/16" Diameter x 3/4" Grip Length	3043-5-.75	\$21.99
5/16" Diameter x 1.00" Grip Length	3043-5-1.00	\$18.79
5/16" Diameter x 1.25" Grip Length	3043-5-1.25	\$18.79
5/16" Diameter x 1.50" Grip Length	3043-5-1.50	\$18.79
5/16" Diameter x 1.75" Grip Length	3043-5-1.75	\$18.79
5/16" Diameter x 2.00" Grip Length	3043-5-2.00	\$18.79
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5/16" Diameter x 3.50" Grip Length	3043-5-3.50	\$20.79
5/16" Diameter x 4.00" Grip Length	3043-5-4.00	\$20.99
3/8" Shank Diameter	Part No.	Price
3/8" Diameter x 3/4" Grip Length	3043-6-.75	\$18.99
3/8" Diameter x 1.00" Grip Length	3043-6-1.00	\$19.29
3/8" Diameter x 1.25" Grip Length	3043-6-1.25	\$19.79
3/8" Diameter x 1.50" Grip Length	3043-6-1.50	\$19.79
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3/8" Diameter x 2.25" Grip Length	3043-6-2.25	\$20.79
3/8" Diameter x 2.50" Grip Length	3043-6-2.50	\$20.79
3/8" Diameter x 3.00" Grip Length	3043-6-3.00	\$20.79
3/8" Diameter x 3.50" Grip Length	3043-6-3.50	\$21.49
3/8" Diameter x 4.00" Grip Length	3043-6-4.00	\$21.99
3/8" Diameter x 4.50" Grip Length	3043-6-4.50	\$22.99