

102P | Simple Threaded Rod

Plumbing and mechanical: copper and steel pipe, single hung and on trapezes | 3 - 120 in. | Listed: ICC-ES PMG-1840



01 CAPACITY

Rated load 70 lbs, listed per ICC-ES PMG-1840 Table 1 (September 2026). The published capacity of the configured assembly is **70 lbs** with every fastener option in its listed substrate: each option meets or exceeds the support rating, so the support governs.

The rated load applies to the support assembly; the attachment to structure is evaluated separately. The fastener backup documents (F sheets) are furnished upon request, and a configured assembly sheet is issued per project with the selected fastener and its substrate capacities.

02 ORDERING

Segment	Selection	Description
A	Fastener, by substrate	Power actuated pins and post nuts: A001 PD157-100W, A01 PD157-114W, A02 PD157-112W, A03 PD157-100NR, A04 PD157-114NR, A05 PD157-112NR. Concrete anchors: A20 7404SD1-PWR, A21 7413SD2-PWR, A30 PFM1411060. Wood fasteners: A40 TB250, A50 HL14200. Sheet steel: A60 HWD10114. Steel clips (sidemount only): A71 BC50, A72 PC25, A73 HBC25, A74 HBC50.
B	Footprint	B01 90 deg threaded foot (S90T) (S90T footprint, rated 90 lbs per ICC-ES PMG-1840 Table 1.). B02 Sidemount 180 deg threaded foot (S180T) (S180T footprint, rated 90 lbs by the S180 listing as representative (ICC-ES PMG-1840 Table 1).).
C	per order	Rod size: C01 1/4 in. or C02 3/8 in. all-thread
D	per order	Overall length, 3 in. to 120 in.

Built to order. Any length up to 20 ft on request.

03 NOTES

- Threaded rod support for copper and steel pipe, single hung on a clevis hanger or as a trapeze drop: the threaded footprint (S90T, or the S180T sidemount) carries 1/4 in. or 3/8 in. all-thread rod to the fastener.
- Rigid connection to structure; listed for the support of plumbing and mechanical piping under the IPC, UPC, IMC and UMC and their California editions (ICC-ES PMG-1840).
 - Finish: zinc plated.
 - Support spacing per the applicable plumbing or mechanical code (IPC 308.5, UPC 313.3).
 - Dry locations only, per the listing.
 - Rated load carries a minimum 4:1 factor of safety on ultimate tested capacity per ICC-ES LC1041 and UL 2239.
 - The rated load applies to the support assembly only; the attachment to structure is evaluated separately (Section 01).
 - Seismic: per ASCE 7, power actuated fasteners are limited to 90 lbs of tension in Seismic Design Categories C ($I_p = 1.5$), D, E and F. The capacity published here is already at or below that limit, so it is unchanged on a seismic project.
 - Drawings not to scale.