

Rapid Rod™ Hangers

- One-piece, all steel threaded fastener system for suspending steel threaded rod.
- Suitable for overhead installations such as suspending cable tray, pipe hangers, strut and conduit.
- Side Mount (SW) available for side mounting applications.
- Lower in-place cost, when compared to beam clamps, lag bolts and drop-ins.
- Steel rapid rods can be installed with a screw gun or hammer drill.
- UL & FM approved.
- Made of Zinc Plated carbon steel.

Rapid Rod™ Hangers Steel

Steel Rapid Rod - Data

| | #3 | #5 |
|---------------------------|---------------|------------|
| Point Style | | |
| Self-Drilling Range (in.) | 20 ga. - 3/16 | 3/16 - 1/2 |
| Screw Size (UNC) * | 1/4"-20 | 1/4"-20 |
| Thread Length (in.) * | 1 3/16 | 3 1/32 |

* Dimensions for self-drilling (embedded) portion of anchor.

Steel Rapid Rod - Load Data

| Rod/ Anchor Size | Minimum Steel Gauge Thickness | | | | | | |
|------------------------|-------------------------------|------------|------------|------------|------------|-------|------|
| | 20 (.036") | 18 (.048") | 16 (.060") | 14 (.075") | 12 (.105") | 3/16" | 1/4" |
| 1/4 | 100 | 155 | 245 | 290 | 390 | 800 | 1260 |
| 1/4 w/nut | 390 | 390 | 440 | 440 | 510 | 960 | 510 |
| 3/8 | 100 | 155 | 245 | 290 | 390 | 490 | 490 |
| 3/8 w/nut | 365 | 365 | 365 | 365 | 365 | 365 | 365 |
| 1/2 | 120 | 175 | 230 | 390 | 510 | 820 | 1260 |

Loads shown for ASTM A36 steel beams and ASTM A572 steel purlins include a safety factor of 4.

For UL & FM listings, steel rapid rod must be installed with a retaining nut. UL & FM load rating for 3/8" rapid rod is 365 lbs. and can support up to a maximum 4" pipe.

UL & FM load rating for 1/2" rapid rod is 900 lbs. and can support up to a maximum 6" pipe.

Read safety/installation instruction sheets in packages before use.

Rapid Rod™ Hangers



| UPC/Part Number | Catalog Number | Rod Size | Shank Size & Length | Box Qty. |
|---|-------------------------|----------|------------------------|----------|
| Steel Rod Hanger - Point Style #3 For Purlins | | | | |
| 78205153317 | ARS-25-100 | 1/4" | 1/4" x 1" | 100 |
| 78205153318 | ARS-37-200 | 3/8" | 1/4" x 2" | 100 |
| 78205153320 | ARS-37-100HN** | 3/8" | 1/4" x 1" w/nuts | 100 |
| 78205153321 | ARS-37-150 | 3/8" | 1/4" x 1 1/2" | 100 |
| 78205153322 | ARS-37-150HN** | 3/8" | 1/4" x 1 1/2" w/nuts | 100 |
| Steel Rod Hanger - Side Mount - Point Style #3 For Purlins | | | | |
| 78205153323 | ARS-25-100SW | 1/4" | 1/4" x 1" | 100 |
| 78205153324 | ARS-37-100SW | 3/8" | 1/4" x 1" w/nuts | 100 |
| Steel Rod Hanger - Point Style #5 For Purlins | | | | |
| 78205153325 | ARS-25-150HD | 1/4" | #12-24 x 1 1/2" | 100 |
| 78205153326 | ARS-37-150HDHN** | 3/8" | #12-24 x 1 1/2" w/nuts | 100 |
| 78205153327 | ARS-50-150HDHN** | 1/2" | #12-24 x 1 1/2" w/nuts | 100 |

** For UL & FM listings, steel rapid rod should be installed with a retaining nut.

| UPC/Part Number | Catalog Number | Tool Description | Box Qty. |
|-----------------|----------------|-------------------------------|----------|
| Tool | | | |
| 78205153287 | 7187 | Universal Steel & Wood Socket | 1 |

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- Side Mount (SW) available for side mounting applications.
- Lower in-place cost, when compared to beam clamps, lag bolts and drop-ins.
- Wood rapid rods can be installed with a screw gun or hammer drill.
- Concrete Rapid Rod hangers can be installed with an adjustable torque, battery powered screw gun or hammer drill.
- UL & FM approved.
- Made of Zinc Plated carbon steel.

Rapid Rod™ Hangers - Concrete

| Concrete Rapid Rod - Data | 1/4" | 3/8" | 1/2" |
|--------------------------------|-------|-------|-------|
| ANSI Drill Bit (in.) | 1/4 | 1/4 | 3/8 |
| Thread Length (in.) | 1 1/8 | 1 3/8 | 2 1/2 |
| Min. Embedment Depth (in.) | 1 1/4 | 1 1/2 | 2 3/4 |
| Load Capacity Tension (lbs.) * | 485 | 650 | 1510 |
| Load Capacity Shear (lbs.) * | 610 | 660 | 1580 |

* Based on concrete compression strength of 4000 psi using applied safety factor of 4.0. For additional loading information contact factory. FM approved load capacity for 3/8" anchor is 365 lbs., maximum 4" pipe size. FM approved load capacity for 1/2" anchor is 950 lbs., maximum 8" pipe size.

Rapid Rod™ Hangers - Wood

| Wood Rapid Rod - Data | 1/4" Thread Forming | 3/8" Thread Forming |
|--------------------------|---------------------|---------------------|
| Pre-Drill Diameter (in.) | 1/8 | 1/8 |
| Point Style | Type 17 | Type 17 |

Wood Rapid Rod - Embedment & Load Data (lbs.)

| Rod/Anchor Size | Embedment Depth | Fir | Pine | Spruce |
|-----------------|-----------------|-----|------|--------|
| 1/4" | 1" | 170 | 160 | 160 |
| 3/8" | 2" | 375 | 375 | 375 |
| 1/2" | 2 1/2" | 665 | 775 | 775 |

Minimum load ratings are based on a safety factor of 4. UL approved load capacity for 3/8" rod sizes and 1/4" screw size is 260 lbs., maximum 3" pipe. UL approved load capacity for 3/8" rod sizes and 3/8" screw size is 375 lbs., maximum 4" pipe. FM approval only applies to 3/8" x 2 1/2" screw size. Approved for 365 lbs., up to 4" pipe.

‡ Not ICC-ES Certified

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Rapid Rod™ Hangers



ARC Series



ARW Series

| UPC/Part Number | Catalog Number | Rod Size | Shank Size & Length | Box Qty. |
|-----------------|----------------|----------|---------------------|----------|
|-----------------|----------------|----------|---------------------|----------|

Concrete Rod Hanger - ANSI Wedge-Bolt OT Thread Shank Style

| | | | | |
|-------------|-------------------|------|---------------|-----|
| 78205153328 | ARC-25-125 | 1/4" | 1/4" x 1" | 100 |
| 78205153329 | ARC-37-150 | 3/8" | 1/4" x 1 1/2" | 100 |
| 78205153330 | ARC-50-275 | 1/2" | 3/8" x 2 3/4" | 50 |

For side mount concrete applications use ARW-25-100SW or ARW-37-200SW with 1/4" drill bit.

Wood Rod Hanger - Point Style Type 17

| | | | | |
|-------------|-------------------|------|---------------|-----|
| 78205153331 | ARW-25-200 | 1/4" | 1/4" x 2" | 100 |
| 78205153332 | ARW-37-100 | 3/8" | 1/4" x 1" | 100 |
| 78205153333 | ARW-37-200 | 3/8" | 1/4" x 2" | 100 |
| 78205153334 | ARW-37-250 | 3/8" | 3/8" x 2 1/2" | 100 |
| 78205153335 | ARW-50-250 | 1/2" | 1/2" x 2 1/2" | 100 |

Wood Rod Hanger - Side Mount - Point Style Type 17

| | | | | |
|-------------|---------------------|------|-----------|-----|
| 78205153336 | ARW-25-100SW | 1/4" | 1/4" x 1" | 100 |
| 78205153337 | ARW-37-200SW | 3/8" | 1/4" x 2" | 100 |

| UPC/Part Number | Catalog Number | Tool Description | Box Qty. |
|-----------------|----------------|------------------|----------|
|-----------------|----------------|------------------|----------|

Tools

| | | | |
|-------------|-------------|-----------------------------------|---|
| 78205153287 | 7187 | Universal Steel & Wood Socket | 1 |
| 78205153288 | 7195 | 1/4" Concrete Socket | 1 |
| 78205153289 | 7197 | 3/8" Concrete Socket | 1 |
| 78205153290 | 7198 | 1/2" Concrete Socket | 1 |
| 78205153360 | 5874 | Concrete Tapper Sleeve Assy. | 1 |
| 78205153361 | 5866 | 1/4" X 6" Hex Shank SDS Drill Bit | 1 |

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