

Installation Products

The Right Tools for the Job!

Thomas & Betts Ocal™ PVC-Coated Conduit is designed to prevent corrosion from striking weak points in conduit systems. But any PVC-coated conduit system is only as good as the installation job. The wrong tools can result in incorrectly installed pipes and fittings or damage to PVC coating, creating those weak points where corrosion starts.

After careful research and evaluation, Thomas & Betts now offers you the very best installation tools available for PVC-coated conduit. These tools are ready for use on PVC-coated conduit right out of the box. What that means to you, the installer, is lower costs — in equipment, in installation time and in time you'd normally have to spend adapting standard tools for use on PVC-coated conduit.



Hassle-Free Installation

- Count on Thomas & Betts to provide a hassle-free way for installers to get the right tools for the job in their hands — just another benefit of using Ocal™ products
- For more information on Ocal™ Installation Guidelines, see pages H74 – H81.



Installation Products

.....
Make Saddles, Offsets and Conventional Bends

Hand Benders for PVC-Coated Conduit

Cat. No.	Conduit Size (in.)
35220	1/2
35225	3/4
2424A8	1



Installation Products

High-Speed Threading — Up to 25 RPM!

RHINO™ High-Performance Threading Machine

- Standard threading machine with built-in pipe cutter, reamer, foot-operated safety switch, 1/2 in. to 2 in. and 2-1/2 in. to 4 in. automatic die heads and precision alloy dies
- Heavy-duty, 115V AC/DC, 50/60 Hz motor develops up to 3hp
- Quiet operation — 85dB maximum noise level
- Easy to maintain and service
- Precision pipe cutter with dual guide for accuracy and control
- COLLINS™ SUPER GRIP R/L chucking system features 4 heavy-duty jaws, specially designed for PVC-coated conduit, at front and rear to automatically grip and center pipe



RHINO™ Threading Machine with optional wheeled stand

Cat. No.	Description
RHINO™ High-Performance Threading Machine	
P00551C	RHINO™ 1/2 in. — 4 in. Threading Machine with Jaws for PVC-Coated Conduit
R0TH00548	RHINO™ 1/2 in. — 4 in. Threading Machine with Jaws for PVC-Coated Conduit
Replacement Threading Die Sets for RHINO™ Threading Machine	
89101	1/2 in. — 3/4 in. Threading Die Set
89102	1 in. — 2 in. Threading Die Set
59912	2-1/2 in. — 4 in. Threading Die Set
Replacement Jaws Sets for RHINO™ Threading Machine	
P20305C	Jaw Set for PVC-Coated Conduit
R0TH02385	Jaw Set for Galvanized Rigid Conduit

Portable and compact for mobile use and hard-to-reach spaces!

SUPERTRONIC™ 2000 Power Threader

- Quick and easy production of precision-threaded joints to approved standards
- Dust-tight casing with sealed lubrication ensures long service life and low maintenance
- Optimized gearing for high-performance output with minimal energy consumption
- 15 — 25 rpm threading speed with 60 rpm rapid reverse for time savings
- Complete set includes SUPERTRONIC™ 2000, forged pipe clamp, thread-cutting spray, quick-change die heads with tempered-steel precision dies for 1/2 in., 3/4 in., 1 in., 1-1/4 in., 1-1/2 in. and 2 in. PVC-coated conduit and carrying case

Cat. No.	Description
P71259C	SUPERTRONIC™ 2000 Power Threader Set for 1/2 in., 3/4 in., 1 in., 1-1/4 in., 1-1/2 in. and 2 in. PVC-Coated Conduit



Rhino™, Collins™ and SUPERTRONIC™ are trademarks of Rothenberger AG.



Forged pipe clamp, shown at right, is included with the P71259C SUPERTRONIC™ 2000 Power Threader Set.

Installation Products

Threads 1/2 in. to 2 in. Conduit in Seconds!

MINI-COLLINS™ Electric Power Drive

- Lightweight, compact design goes anywhere — only 28 in. long and requires only 1-3/4 in. clearance in trenches, overhead and other tight spaces
- Easy to maintain — built-in fill plug eliminates disassembly of gearbox for oiling
- 115V, 15A reversible motor provides the power to make any turning job easier
- Tightens nuts, drives cable pullers, turns hoists and jacks, opens and closes valves and drives up to 6 in. geared threaders
- Compatible with RIDGID® 12R die heads
- Cat. No. 13158 Adapter enables SUPER CUT die heads (below) to be used with ROTHENBERGER® MINI-COLLINS™ and RIDGID® Model 700 portable threading machines



MINI-COLLINS™ Electric Power Drive



The two-piece 13158 adapter enables the use of SUPER CUT die heads with the MINI-COLLINS™. For dies up to 1-1/4 in. in size, use both pieces together, as shown at right. For larger dies, separate the two pieces, as shown at left, and use only the outer ring.

Cat. No.	Description
MINI-COLLINS™ Electric Power Drive & Accessories	
ROTH00074	MINI-COLLINS™ Electric Power Drive
13158	MINI-COLLINS™ Adapter for SUPER CUT Die Heads
ROTH00117	MINI-COLLINS™ 1 in. Square Shaft Drive for Geared Threaders
ROTH00119	Steel Carrying Case for MINI-COLLINS™

Mini-Collins™ and Rothenberger® are trademarks of Rothenberger AG. Ridgid® is a trademark of Emerson Electric Co.

Machined to thread PVC-coated conduit

SUPER CUT Die Heads

- Optimized cutting geometry offers easy starting and excellent shaving discharge
- Purchase dies individually or choose the complete set, including ratchet handle, quick-change die heads, tempered-steel precision dies for 1/2 in., 3/4 in., 1 in., 1-1/4 in., 1-1/2 in. and 2 in. PVC-coated conduit and plastic carrying case
- Fit SUPERTRONIC™ 2000 power threader
- Use with MINI-COLLINS™ (above) or RIDGID® Model 700 with Catalogue No. 13158 adapter (above)
- Dies also sold separately

Cat. No.	Description
P70905C	Complete Die Set for 1/2 in. — 2 in.
P70912C	1/2 in. Die
P70913C	3/4 in. Die
P70914C	1 in. Die
P70915C	1-1/4 in. Die
P70849C	1-1/2 in. Die
P70850C	2 in. Die



Installation Products

Equipped With Chain or Bench Yoke Vise

Tri-Stand Vises

- Sturdy, stable frame collapses for easy mobility and storage
- Ceiling brace for overhead support enables you to secure frame even during difficult work
- Features recesses for bending tubes 3/8 in., 1/2 in. and 3/4 in. O.D

Cat. No.	Description	Pipe Capacity in. (mm)
ROTH00076	Tri-Stand with 6 in. Chain Vise (use with Ocal™ Jaws for PVC-coated conduit)	1/2 — 6 (16 — 155)
P00076C	Tri-Stand with Bench Yoke Vise (includes jaws designed for use with PVC-coated conduit)	1/2 — 3 (16 — 78)

Metric size designator (ANSI C80.1-1994).



Superior Design and Construction for Faster, Safer Chain-Vise Clamping of PVC-Coated Conduit

Ocal™ Half-Shell Clamps

If you already have a chain vise, now you can avoid the expense of purchasing a yoke vise with special jaws — or the trouble of making clamps out of PVC or steel pipe — to cut and thread PVC-coated conduit. These Half-Shell Clamps come in the full range of 1/2 in. to 6 in. trade sizes. Buy the individual sizes you need, or choose one of our convenient sets, which contain all the sizes from 1/2 in. to 2 in. or 2-1/2 in. to 4 in. in a handy carrying/storage case.

A unique internal design ensures secure clamping while protecting the integrity of the conduit's PVC coating. Cast from ductile iron for extreme strength and durability, Ocal™ Half-Shell Clamps offer you years of consistent, reliable service.



- Two-piece construction, cast from ductile iron for exceptional strength, durability and performance
- Cross-hatched interior surface grips conduit securely while safeguarding PVC jacket from damage
- Available individually in 1/2 in. through 6 in. trade sizes
- Also available in two convenient sets — 1/2 in. to 2 in. and 2-1/2 in. to 4 in.
- Each clamp clearly marked with trade size for easy identification
- Openings at each end enable hanging for handy storage



Cat. No.	Conduit Size	
	in.	(mm)
Individual Half-Shell Clamps		
HLF-SHL-CLP1/2	1/2	(16)
HLF-SHL-CLP3/4	3/4	(21)
HLF-SHL-CLP1	1	(27)
HLF-SHL-CLP1-1/4	1-1/4	(35)
HLF-SHL-CLP1-1/2	1-1/2	(41)
HLF-SHL-CLP2	2	(53)
HLF-SHL-CLP2-1/2	2-1/2	(63)
HLF-SHL-CLP3	3	(78)
HLF-SHL-CLP3-1/2	3-1/2	(91)
HLF-SHL-CLP4	4	(103)
HLF-SHL-CLP5	5	(129)
HLF-SHL-CLP6	6	(155)
Half-Shell Clamp Set (in carrying/storage case)		
HLF-SHL-CLPSET1	1/2 — 2	(16 — 53)

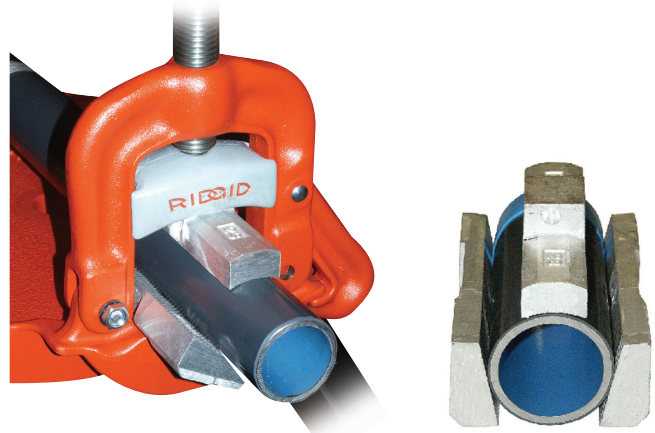
Installation Products

Designed to Hold PVC-Coated Conduit Safely and Securely in a Yoke-Style Vise

Ocal™ Jaws for PVC-Coated Conduit

- Replace the standard jaw inserts in a yoke vise
- Provide greater clamping force and prevents pipe from spinning during threading
- Machined aluminum construction
- Three-piece set

Cat. No.	Description	Weight	
		lb.	kg
JAWS23	Used with RIDGID No. 23 or No. 40A Yoke Vises	2.80	1.27
JAWS76	Used with Rothenberger Yoke Vise		



Specially designed for cutting PVC-coated conduit

Steel Pipe Cutters

- Easy pressure control transmits optimum force onto tube
- Hardened, high-alloy steel cutter wheel provides long service life and burr-free external cutting

Cat. No.	Description	Pipe O.D. (in.)
P70045C	Steel Pipe Cutter — Up to 2 in.	1/8 — 2
P70060C	Steel Pipe Cutter — Up to 4 in.	1/8 — 4



Rapid and clean deburring!

Ratchet Pipe Reamer

- Smooth running ratchet
- Tempered-steel cutting bit
- For steel tubes 1/4 in. to 2 in. O.D

Cat. No.	Description	Pipe O.D. (in.)
70289	Ratchet Pipe Reamer	1/4 — 2



Installation Products

Removable Aluminum Jaws for PVC-Coated Conduit

Ocal™ J-Wrenches

Use with our pliers, or purchase just the jaws and adapt your own!

Cat. No.	Description	Pipe Capacity (in.)
J442	12 in. J-Wrench with Jaws	1/2 to 1-1/4
J460	16 in. J-Wrench with Jaws	1-1/2 to 2-1/2
J42	12 in. Jaw Set only	1/2 to 1-1/4
J60	16 in. Jaw Set only	1-1/2 to 2-1/2



J42



J60



J460



J442



J460

Jaws Grip PVC-Coated Pipe Securely Without Damaging the Plastic Coating!

Aluminum Pipe Wrenches

- Extremely light aluminum alloy offers high strength but weighs 40% less than standard cast
- Self-clamping, spring-supported hook for easy, one-handed, ratchet-like use
- Scale on hook for quick preset of tube diameter



Cat. No.	Length in. (mm)	Steel Tube O.D. Max. in. (mm)
P70159C	10 (254)	1-1/2 (16)
P70160C	14 (356)	2 (53)
P70161C	18 (457)	2-1/2 (63)
P70162C	24 (610)	3 (78)

Specially Coated Strap Won't Absorb Oil

RIDGID® Strap Wrenches

Cat. No.	Handle Length in. (mm)	Strap Length in. (mm)	Strap Width in. (mm)	Pipe Capacity in. (mm)	Pipe Capacity (O.D.) in. (mm)	Weight lb. (kg)
31355	11.75 (298.45)	17.00 (431.80)	1.75 (44.45)	2.00 (50.80)	3.50 (88.90)	1.75 (.79)
31370	18.00 (457.20)	29.25 (742.95)	1.75 (44.45)	5.00 (127.00)	5.50 (139.70)	2.75 (1.25)



31370

31355

Installation Products

Accessories for Aluminum/Copper Code Conductors and Connectors

Copper colloidal surface treatment protects, lubricates and enhances conductivity of all electrical connections

KOPR-SHIELD® Joint Compound

- Unique, homogenized blend of pure, polished colloidal copper, rust and corrosion inhibitors
- Simultaneously protects, lubricates and enhances conductivity of mating surfaces
- Extremely adhesive compound flows smoothly into uneven contours and voids, ensuring easy application and complete, positive protection and lubrication
- Won't settle-out, thin, thicken, harden or dry out under the most severe environmental conditions
- Excellent temperature characteristics — can be brushed on at -45.5°C (-50°F) to 121°C (250°F) (other compounds either turn solid or run like water at these extremes) and remains intact at short terms even at 980°C (1,800°F)

Good connections are one of the most important aspects of electrical work. Mechanics know how much downtime is caused when fluids or oils leak into the raceway system or when they have to look for a weak link in a ground system caused by a high-resistance connection. Mechanics also know how much time is spent keeping contacts, switches, lugs and other connectors clean or replacing parts because of “green scourge” buildup. Thomas & Betts has the solution to improve connections made in thousands of electrical and raceway installations made each day by electricians everywhere Kopr-Shield®. Compound may be used to advantage in all electrical installations. When the environment is hostile to electrical and mechanical connections, Kopr-Shield® Compound is a must!

Kopr-Shield® is a trademark of Jet-Lube Inc.

Use Kopr-Shield® Compound for battery lugs and cables to:

- Prevent “green scourge” corrosion
- Reduce resistance
- Ease terminal installation and removal

Use Kopr-Shield® Compound for raceways to:

- Lubricate for ease of assembly and disassembly

Improve grounding continuity (exceeds code requirements)

Use Kopr-Shield® Compound for fuse clips to:

- Eliminate hot spots for even head distribution
- Prevent oxidation by preventing carbon path formation
- Lubricate for easy installation and removal of fuses

Use Kopr-Shield® Compound for wiping contacts, drum switches and slip rings to:

- Prevent galling, burning, pitting and discolouration
- Suppress arching and dissipation of coronas
- Lubricate for ease of operation



Cat. No.	Description	Std. Pkg.	Weight lb./content
201-31879	1-1/2 oz. Container with Brush	96	11.46
201-31879-1	4 oz. Container with Brush	24	38.54
CP8-TB	8 oz. Container with Brush	12	64.58
CP16	16 oz. Container with Brush	12	120.83
CP128	1 Gallon Can	4	952.00

Fast-Drying, Air-Cure Patch for Ocal™ Conduit and Fittings

Ocal™ Touch-Up Compounds

Cat. No.	Container	Size	Colour
Exterior PVC Patch			
SPRAY-G	Spray Can	12-1/2 oz. (0.37 liter)	Dark Grey
SPRAY-W	Spray Can	12-1/2 oz. (0.37 liter)	White
SPRAY-B	Spray Can	12-1/2 oz. (0.37 liter)	Light Blue
PATCHP-G	Brush Cap Can	1 pint (0.47 liter)	Dark Grey
PATCHP-W	Brush Cap Can	1 pint (0.47 liter)	White
PATCHP-B	Brush Cap Can	1 pint (0.47 liter)	Light Blue
PATCHG-G	Bottle	1 gallon (3.79 liter)	Dark Grey
PATCHG-W	Bottle	1 gallon (3.79 liter)	White
PATCHG-B	Bottle	1 gallon (3.79 liter)	Light Blue
Interior Urethane Patch			
URETHANEPATCH	Brush Cap Can	1 pint (0.47 liter)	Blue



Installation Products

A Better Patching Solution for Hot weather Applications!

Ocal™ Heat-Cure Patch

Even in the best of installations, the PVC jacket on PVC-coated conduit or fittings can be cut, nicked or abraded. To maintain corrosion protection, Ocal™ has added a new, thicker PVC patch to its offering of touch-up compounds.

Ideal for use in hot weather, Ocal™ Heat-Cure Patch offers a thicker consistency at high ambient temperatures than standard air-cure patches, ensuring better coverage and a more effective patch.

Ocal™ Heat-Cure Patch makes patching fast and easy.

- 1 Make sure the area to be patched is clean and dry
- 2 Squeeze the amount of patch material needed onto the area to be repaired
- 3 If necessary, spread and level the patch material with a putty knife
- 4 Apply heat with a heat gun or torch, such as the T&B® Portable Heat-Shrink Torch
- 5 Being careful not to overheat (260°C/500°F max.), apply heat for 2 minutes total, or at least 1 minute after surface of patch has turned glossy. (The patch material is a glossy liquid that turns flat with initial heat application and then turns glossy again as heating continues.)
- 6 Allow the patched area to air cool, or use a water quench



Heat-Cure Patch

Cat. No.	Colour	Size
PATCHT-G	Dark Grey	6 oz. (0.18 liter)
PATCHT-W	White	
PATCHT-B	Light Blue	

Separate Controls Enable Precise Adjustment of Flame and Temperature!

T&B® Portable Heat-Shrink Torch

- (1,371°C) (2,500°F) output capacity satisfies virtually any heating, brazing or soldering requirement
- Dual fuel- and air-flow controls enable separate adjustment of temperature and flame precision
- Brass and steel construction provides durability
- Operates on standard butane lighter fluid (not included)

Specifications

Dimensions (without base) L x W x H: 3.90 in. x 1.40 in. x 5.40 in.
99.06 mm x 35.56 mm x 137.16 mm

Weight (when filled): 9.88 oz.
280.09g

Fuel Tank Capacity: 2.03 fl. oz.
60.03 ml

Operating Time (per full fuel tank): Up to 220 minutes



Portable Heat-Shrink Torch

Cat. No.	Description
WT-PTORCH	Portable Heat-Shrink Torch