

## INSTALLATION TOOLS

Calbond PVC coated conduit should be installed without damaging the coating on the conduit and fittings. Damage free installation can be attained by using proper tools which have been designed specifically for PVC coated conduit & fittings. Installing Calbond PVC coated conduit using conventional tools may result in damaged coating, rendering a failed installation.

We recommend the installer rent or buy the proper tools from Calbond or an authorized reseller of tools specifically designed for PVC coated conduit and fittings. Calbond maintains an inventory of bending, tightening and threading tools specially designed to work with Calbond PVC coated conduit to help installers avoid damaging the coating.

## BENDING

Hand bending of Calbond conduit can be done using an EMT bender one size larger than the conduit. For example, to bend  $\frac{3}{4}$ " Calbond conduit, use a 1" EMT hand bender.

For sizes  $\frac{1}{2}$ " to 2", an electric bender is recommended. Calbond recommends the Greenlee 555 which is available with special shoes for PVC coated conduit.



For sizes 2- $\frac{1}{2}$ " to 4" hydraulic benders are available from Calbond. Greenlee 881CT is recommended with shoes designed specifically for PVC coated conduit.



## CUTTING

For hand cutting and threading use standard cutting tools: either a roller cutter or a saw.



## CLAMPING

Use any conventional vise to clamp the PVC coated conduit, either a yoke type or a chain type. Protect the coating from damage by using Calbond clam shells, or by making your own clam shells. You may rent them or buy them from Calbond for the sizes required, or make them by slicing two 6" long pieces of rigid (or PVC coated rigid) conduit, one size larger than the size of the clamped conduit. Split them the long way slightly off center using a band saw. Discard the bigger sections and use the smaller ones as your protecting shells.



## INSTALLATION TOOLS (cont.)

### THREADING

Threading Calbond conduit can be accomplished in several ways by a variety of tools available for rent or purchase from Calbond or an authorized reseller of tools specifically designed for threading PVC coated conduit. For hand threading, Ridgid, [www.ridgid.com](http://www.ridgid.com), offers threading dies colored silver to distinguish them from the Standard Dies (Red Colored). These dies are bored out to allow the throat of the die to go over the coating.



The dies can be purchased from Ridgid, [www.ridgid.com](http://www.ridgid.com). The catalog numbers are:  
12 R NPT 1/2" =51857, 3/4"=51862, 1"=51867, 1-1/4"=51872, 1-1/2"=51877, 2"=51882

"Pony" threader

(Ridgid's catalog number 700, <http://www.ridgid.com/Tools/700-Power-Drive/>) is a portable power drive for the same dies that are used in hand threading.



Power threading machines especially designed for PVC coated conduit, are also available:

- 1/2" to 2" Rothenberger Threader (<http://www.rothenberger-usa.com/en/products/special-offers/threaders/index.html>) catalog numbers 00579, with 20553.
- 1/2" to 4" Rothenberger Threader catalog numbers P00551C with 00561.
- 2-1/2" to 6" Power Threader is available from Calbond only. It is a modified Rothenberger machine.



### TIGHTENING

Calbond offers special pipe wrenches which will not cause damage to the coating.

Rothenberger	Catalog #:
10" Pipe Wrench	P70159C
14" Pipe Wrench	P70160C
18" Pipe Wrench	P70161C
24" Pipe Wrench	P70162C

