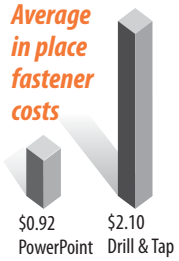
POWERPOINT PINS FOR HARD CONCRETE & STEEL FASTENING

DESCRIPTION

Use Ramset's exclusive PowerPoint pins for your advanced fastening applications. They provide easier penetration into hard steel and concrete. That means reduced pin failures and increased holding values to make your jobs more productive.



ADVANTAGES

CONSISTENT PERFORMANCE, IN HARD STEEL AND HARD CONCRETE

Standard powder actuated pins fasten inconsistently in steel. Frequently the steel is just too hard for conventional pins. Steel is also inconsistent because hardness varies. According to the steel industry's accepted Rockwell Hardness Scale (Rb), steel strength can vary from a relatively soft 54 Rb to an extremely hard 88 Rb or higher. Standard pins typically begin to fail in the upper 70s Rb. Tests, however, have proven that PowerPoint consistently performs, even as steel approaches 90 Rb!

SELECTION CHARTS

	BASE STEEL THICKNESS				
MATERIAL	3/16"	1/4"	3/8"	1/2"	3/4"
1/4" Plywood	SP58	SP58	SP78	SP78	SP78
3/8" Plywood	SP58	SP34	SP78	SP78	SP78
1/2" Plywood	SP100	SP100	SP100	SP100	SP100
3/4" Plywood	SP114	SP114	SP114	SP114	SP114
2' x 4' Plate	SP178	SP178	SP178	SP178	SP178
10 Ga. to 12 Ga.	SP58	SP34	SP34	SP78	SP58
13 Ga. to 17 Ga.	SP12	SP58	SP34	SP34	SP58
18 Ga. to 25 Ga.	SP12	SP58	SP34	SP34	SP58

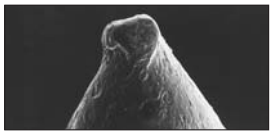
SEE PAGE 32 FOR PRODUCT SELECTION

Notice in the photographs below how typical manufacturing processes can cause inconsistency in a pin's finish, increasing its likelihood of failure. And see the difference with Ramset's process! Which pin would you want to use?

Ramset's unique manufacturing process results in uniform shape and finish for more consistent performance.

Typical cut-point finish resulting from manufacturing process will increase pin failure

Typical swage-ballistic point finish results in potential failure of pin



RAMGUARD™ DRIVE PINS FOR ACQ PRESSURE TREATED LUMBER!

As many of you know, there have been changes to the regulations affecting pressure treated lumber. The industry standard CCA treated wood is no longer being produced for residential use. Most new pressure treated wood is utilizing Alkaline Copper Quaternary (ACQ) treatment. It has been confirmed that ACQ corrodes steel 2 to 4 times faster than the old CCA treated lumber. This means that our standard drive pins are not recommended for use in ACQ treated lumber.

Ramset has developed a coating called **Ramguard™** for use in all pressure treated wood including the new ACQ treated wood. The **Ramguard** coating offers excellent corrosion resistance that rivals hot dipped galvanized and stainless steel. Washered versions of these pins utilize a **Ramguard** coated pin and a washer with a G185 coating. This combination was developed to withstand the increased corrosion rate that sometimes occurs when using fasteners in the new treated lumber.

See page 33 for fastener selection.