POWDER ACTUATED SYSTEMS GUIDE

A POWDER ACTUATED SYSTEM CONSISTS OF A TOOL, A FASTENER AND A POWER LOAD.





22C3 COMER	1	Brass	Gray	7	Nickel	Gray
	2	Brass	Brown	8	Nickel	Brown
	3	Brass	Green	9	Nickel	Green
	4	Brass	Yellow	10	Nickel	Yellow
	5	Brass	Red	11	Nickel	Red
	6	Brass	Purple	12	Nickel	Purple

- CALIBER & LOAD TYPES



P.A.T. APPLICATIONS

DETERMINE THE SUITABILITY OF THE MATERIAL TO BE FASTENED WITH A PIN AND HAMMER USING THE "PRE-PUNCH TEST"



GOOD HOLDING POWER MAY BE OBTAINED USING THE FOLLOWING RECOMMENDED DEPTHS OF PENETRATION.

MATERIALS	s psi	9/64" SHANK DIAMETER
SOFT	2000 то 2500	1-1/4"
AVERAGE	3500 то 4000	1"
HARD	5000 то 6000	3/4'-7/8"

MATERIAL TO BE FASTENED TO THE REQUIRED PENETRATION. EXAMPLE: 2 X 4 TO CONCRETE LENTIL (SOFT MATERIAL) USING 9./64" DIAMETER PIN.

> 1-1/2" (THICKNESS OF 2 X 4) 9 X 9/64" = 1-1/4" 1-1/2" + 1-1/4" = 2-3/4" CLOSEST AVAILABLE LENGTH IS 3"

> > • DO NOT DRIVE FASTENERS IN AREAS WHICH HAVE BEEN TORCHED, WELDED OR HEAT TREATED.

• DO NOT USE FASTENERS LONGER THAN REQUIRED.

• DISTANCE BETWEEN FASTENERS SHOULD BE AT LEAST **1**".

• TEST FIRE WITH THE LIGHTEST POWER LOAD RECOMMENDED FOR THE TOOL, INCREASING POWER LEV-ELS BY SINGLE STEPS UNTIL PROPER PENETRATION IS OBTAINED.



-STEEL-

DO NOT FASTEN INTO STEEL WHICH IS THINNER THAN THE FASTENER SHANK DIAMETER.

THE PROPER LENGTH OF FASTENER IS DETERMINED BY THE THICKNESS OF THE MATERIAL TO BE FASTENED, PLUS THE THICKNESS OF THE STEEL, PLUS THE POINT LENGTH.

EXAMPLE: 3/4" wood strip to 1/4" steel using a 9/64" diameter pin.

9/64" PIN HAS NO APPROXIMATE POINT LENGTH OF 3/16" 3/4" + 1/4" + 3/16" = 1-3/16" NEAREST APPROX. PIN IS 1-1/4"

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