

GENERAL INFORMATION

TOOLS AND POWDER LOADS

INTRODUCTION

Powers powder actuated tools are available for a variety of trade applications.

Powers powder actuated tools line includes

- .22 caliber single shot tools
- .25 caliber semi-automatic tool
- 3 different .27 caliber semi-automatic tools (one featuring power adjustment)
- Dedicated ceiling tool for acoustical ceiling and electrical applications

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SELECTION CHART GUIDE

		Load Power						Powers Tools									Other Tools																						
		Gray—Level 1	Brown—Level 2	Green—Level 3	Yellow—Level 4	Red—Power Level 5	Purple/Black Level 6	P1000	T1000	P2201	P335	P7201	P3500/PA3500	P3801	P3600	PA351	Sniper	721	M70	LADD (L1600)	D45	D60/D60L	MD380	SA270	Cobra	Viper	DX E37	DXE72	DX400	DX600N	DX35	DX350/DX351/DX36M	DX450	DX451	DXA40	DXA41	DX100/DX200	DX460	
Powder Actuated Loads	.22 Caliber "A" Single Load	●	●	●	●			●	●	●		●						●	●									●	●										
	.22 Caliber Single Load Ladd Tool (L1600)						●													●																			
	.27 Caliber Single Load Long Loads					●	●						●									●									●								
	.25 Caliber 10 Load Strip			●	●	●					●																					●							
	.27 Caliber Safety Strip		●	●	●	●							●		●	●	●							●	●	●							●		●			●	
	.27 Caliber 10 Load Strip						●								●																			●				●	

● Suitable ○ May be Suitable

SAFETY PRECAUTIONS

When Operating a Powers Fasteners Powder Actuated Tool

Failure to follow safety instructions can result in death or serious injury to operator or bystander.

1. User must be familiar with all functional and safety requirements of the tool. Read the specific tool manual prior to use. Obtain proper training and a Powers Fasteners operator card prior to using a tool. A qualified operators card applies only to the specific tools listed.
2. Never modify or fabricate parts for use in your Powers Fasteners tool. Use only Powers Fasteners loads and tool parts.
3. Do not operate the tool unless all its parts are in place and operating appropriately.
4. Tools must be checked prior to operating to make sure they are not fully or partially loaded with a load or fastener.
5. Do not fire a tool without a fastener.
6. To ensure safe operation, perform the daily functional check described in the tool operator's manual.
7. Hands must never be placed in front of muzzle. Accidental discharge can cause piston and/or fastener to pass through operator's hand.
8. Point tool in a safe direction at all times.
9. Fastener must be loaded prior to loading the powder load to prevent injury to operator or bystander in the event of an accidental discharge.
10. Do not close tool against work surface. The tool should be manually closed, with hand away from muzzle to prevent accidental discharge.
11. If you are uncertain about the suitability of a base material, perform a center punch test.
12. Do not fire tool within 3" (three inches) of the edge of a concrete base material or within 1/2" (one-half inch) of the edge of a steel base material.
13. Do not attempt to install a fastener closer than 3" (three inches) to another previously inserted fastener in concrete or 1-1/2" (one and one-half inch) in steel. Refer to the owner's manual for assistance.
14. Do not fasten into a concrete base material less than 3 times as thick as the fastener penetration or into a steel base material thinner than 1/8".
15. Do not fasten into cast iron, tile, glass wallboard or other types of hard, brittle, or soft materials.
16. Do not fasten through a predrilled hole.
17. In concrete, place fastener at least 3" (three inches) away from a spalled area to prevent the possibility of the fastener bending and striking an operator or bystander.
18. Always perform a test fastening with the lightest load level designed for use in the tool. If the lightest load fails to set the fastener, try the next highest load until the proper level is attained. Thus, eliminating the possibility of an overdriven fastener fully penetrating the base material and injuring someone.
19. Hold the tool perpendicular to the work surface at all times. This will reduce the possibility of a fastener bouncing off the surface and striking the operator or bystander.
20. Approved safety goggles should always be worn by operator or bystander to protect their eyes from flying particles.
21. Hearing protection should always be worn by the operator and bystanders when using a powder actuated.
22. If a load fails to discharge, the tool must be kept depressed for a minimum of 30 (thirty) seconds in case of a delayed load discharge. Then carefully remove the load and dispose of it in a can of water. Never attempt to force or pry a load out of a tool chamber.
23. Do not attempt to unload or disassemble a jammed, stuck or broken tool as improper handling may cause it to discharge and strike operator and/or bystander. A jammed tool must be pointed in a safe direction at all times. Tag the tool and lock it up. Call your Powers Fasteners representative for proper assistance.
24. If you decide not to make a fastening after the tool has been loaded, you must always remove the load first followed by the fastener.
25. Only use fasteners and powder loads that are designed for use in the tool being operated.
26. Do not use powder actuated tools in a flammable or an explosive atmosphere

Read the specific tool manual for additional safety guidelines.

POWDER ACTUATED

TOOLS AND POWDER LOADS

P3500

Powder-actuated Semi-automatic Tool

TOOL DESCRIPTION

The P3500 is a low velocity, semi-automatic .27 caliber tool which can be used to install .300" head drive pins, 8mm head drive pins and 1/4"-20 threaded studs, up to 3" in total length. The P3500 is designed for high speed, durability and repetitive volume applications.

TECHNICAL DATA

Tool Body	Precision Cast Aluminum
Tool Length	13-5/8"
Tool Weight	5 lbs.
Pin Length	1/2" to 3" Total Length
Load Type	.27 Caliber 10 Load Strip and .27 Caliber Safety Strip
Power Level	Brown (2), Green (3), Yellow (4), Red (5)

GENERAL APPLICATION AND USES

- Conduit Clip to Concrete
- Electrical Fixture to Steel
- Wood to Concrete
- Concrete Forming
- Wood to Steel
- Commercial and Residential Construction
- Electrical Fixture to Concrete

ORDERING INFORMATION

Catalog Number	Description	Standard Box
52000-PWR	P3500 Tool (Deluxe Kit): • Safety Glasses, Disposable Ear Plugs • Allen Wrenches, Wire Brushes, Tool Lubricant • Spall Guard, Spare Parts • Pin Starter Kit: .300 Headed Pins: (50) 1/2", (50) 3/4", (30) 3" with 7/8" washer • Case	1
52001-PWR	P3500 Tool (Blister pack)	1
52106-PWR	Piston Ring for the P3500	1
52108-PWR	Guide 2/F-3 for the P3500	1
52110-PWR	Base Plate 2/S-13 for the P3500/PA3500	1
55120-PWR	Shear Clip for the P3500/PA3500	1
55112-PWR	Piston Stop for the P3500/PA3500	1
55122-PWR	Steel Annular Ball for the P35s/P3500/PA3500	1

Piston for Installing 8mm Head Drive Pins

Catalog Number	Description	Standard Box
52100-PWR	Piston 2/DN-1 (for 8mm Head Drive Pins) for the P3500	1

Limited Access Baseplates

Catalog Number	Description	Standard Box
52114-PWR	Guide 2/F-4 Limited Access for the P3500	1
52116-PWR	Baseplate 2/F-14-1 Limited Access for the P3500	1

Replacement parts are available by calling 1-800-524-3244

Pole Tools for Overhead Attachments

Catalog Number	Description	Standard Box
50065-PWR	6' Di-electric Pole Tool	1
50066-PWR	8' Di-electric Pole Tool	1



P3500

PINS

- .300" Head Drive Pin
- 8mm Head Drive Pin
- 1/4"-20 Threaded Stud
- Ceiling Clips Assemblies
- BX and EMT Clips

PIN SIZE RANGE (TYP.)

- 1/2" to 3" Total Length

SUITABLE BASE MATERIALS

- Normal-weight Concrete
- Structural Lightweight Concrete
- Concrete Masonry
- Steel

