

Ramset D45A

Ramset D45A 0.25 Caliber Semi-Automatic Powder Actuated Tool Instruction Manual

Model: D45A

1. IMPORTANT SAFETY INFORMATION

The Ramset D45A powder-actuated tool is designed for specific fastening applications and must be operated with extreme caution. Failure to follow safety instructions can result in serious injury or death.

- **Always Wear Personal Protective Equipment (PPE):** Eye protection (safety glasses or goggles) and hearing protection (earplugs or earmuffs) are mandatory when operating or in the vicinity of the tool.
- **Never Place Hands Over Fastener:** Keep hands clear of the fastener and muzzle end of the tool at all times.
- **Trained Operators Only:** Only individuals who have been properly trained and certified in the use of powder-actuated tools should operate this device.
- **Inspect Tool Before Use:** Before each use, inspect the tool for any damage, wear, or loose parts. Do not use a damaged tool.
- **Use Correct Loads and Fasteners:** Only use Ramset-approved powder loads and fasteners that are appropriate for the application and base material.
- **Never Point at People:** Always treat the tool as if it is loaded and never point it at yourself or others.
- **Secure Workpiece:** Ensure the material being fastened is stable and secure.
- **Avoid Hazardous Environments:** Do not use the tool in explosive atmospheres or near flammable materials.
- **Store Safely:** Store the tool, powder loads, and fasteners securely and separately, out of reach of children and unauthorized persons.

2. PRODUCT OVERVIEW

The Ramset D45A is a robust 0.25 caliber semi-automatic powder-actuated tool designed for efficient and reliable fastening into concrete, steel, and masonry. Its semi-automatic disc feed system allows for rapid fastening.



Figure 1: Ramset D45A 0.25 Caliber Semi-Automatic Powder Actuated Tool. This image displays the tool's overall design, including the handle, trigger, main body, and the muzzle end where fasteners are driven.

Components:

- **Handle:** Ergonomically designed for grip and control.
- **Trigger:** Activates the firing mechanism.
- **Muzzle End:** Where the fastener exits the tool.
- **Power Adjustment (if applicable):** Allows for varying power levels based on application.
- **Disc Feed System:** Houses the powder load disc for semi-automatic operation.

3. SETUP

Proper setup is critical for safe and effective operation.

1. **Select Fastener and Load:** Choose the appropriate fastener type and length, and the correct powder load strength (e.g., .25 caliber disc loads) for your specific application and base material. Refer to Ramset's load selection chart for guidance.
2. **Load Powder Disc:** Open the tool's loading mechanism (refer to your tool's specific manual for exact steps) and insert the powder load disc into its designated slot. Ensure it is seated correctly.
3. **Load Fastener:** Insert the chosen fastener into the muzzle end of the tool. Ensure the fastener is fully seated and aligned.
4. **Check Tool Condition:** Before closing the tool, perform a quick visual inspection for any obstructions in the barrel or signs of damage.
5. **Close and Secure:** Close the tool securely according to the manufacturer's instructions. The tool should be ready for use.

4. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of the Ramset D45A.

- 1. Wear PPE:** Ensure eye and hearing protection are securely in place.
- 2. Position Tool:** Place the muzzle end of the tool firmly and perpendicularly against the workpiece. Apply sufficient pressure to compress the tool's safety mechanism. The tool will not fire unless fully compressed against the surface.
- 3. Maintain Stability:** Hold the tool firmly with both hands if possible, maintaining a stable stance.
- 4. Fire Tool:** Once the tool is firmly pressed against the surface and the safety mechanism is engaged, pull the trigger to fire the fastener.
- 5. After Firing:** Release the trigger and lift the tool from the workpiece. The semi-automatic mechanism will advance the next powder load.
- 6. Misfires:** In case of a misfire, keep the tool pressed against the surface for at least 30 seconds. Then, carefully remove the tool, unload the misfired cartridge, and dispose of it safely according to local regulations. Do not attempt to re-fire a misfired cartridge.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your Ramset D45A tool.

- Daily Cleaning:** After each use, or at least daily, disassemble the tool (refer to your tool's specific manual for disassembly instructions) and clean all components, especially the barrel, piston, and firing pin, using a wire brush and appropriate cleaning solvent.
- Lubrication:** Apply a light coat of Ramset-approved lubricant to moving parts as specified in the detailed product manual.
- Inspection:** Regularly inspect all parts for wear, cracks, or damage. Pay close attention to the piston, buffer, and barrel. Replace worn or damaged parts immediately with genuine Ramset replacement parts.
- Storage:** Store the tool in a clean, dry place, disassembled if recommended by the manufacturer, and away from extreme temperatures. Ensure powder loads are stored separately and securely.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your Ramset D45A tool.

Problem	Possible Cause	Solution
Tool does not fire.	Not enough pressure applied to workpiece. Tool is dirty or jammed. Defective powder load. Worn firing pin or piston.	Apply more firm, perpendicular pressure. Clean the tool thoroughly. Replace powder load. Inspect and replace worn parts.
Fastener does not fully penetrate.	Incorrect powder load strength. Incorrect fastener for material. Worn piston or buffer.	Use a stronger powder load. Select appropriate fastener. Inspect and replace worn parts.

Problem	Possible Cause	Solution
Tool jams frequently.	Tool is dirty. Damaged fasteners or powder loads. Worn or damaged components.	Perform thorough cleaning. Use only undamaged fasteners/loads. Inspect and replace worn parts.

If problems persist after attempting these solutions, contact Ramset customer support or a certified service center.

7. SPECIFICATIONS

- Model:** D45A
- Tool Type:** Semi-Automatic Powder Actuated Tool
- Caliber:** 0.25 (Quarter Inch)
- Manufacturer:** ITW Ramset
- ASIN:** B00IPUJ8NC
- Fastener Compatibility:** Designed for use with Ramset 0.25 caliber fasteners.
- Powder Load Compatibility:** Designed for use with Ramset 0.25 caliber powder load discs.

8. WARRANTY AND SUPPORT

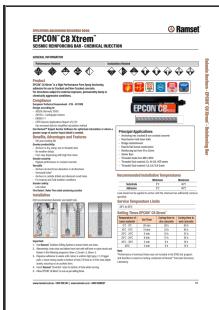
For detailed warranty information, product registration, or technical support, please refer to the documentation included with your purchase or visit the official Ramset website.

[Visit Ramset Official Website](#)

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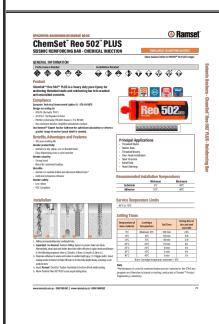
Related Documents

	<p>RAMSET 50 GB Gate Operator Installation and Safety Manual</p> <p>Comprehensive guide for installing, operating, and maintaining the RAMSET 50 GB gate operator, detailing safety protocols, technical specifications, installation procedures, control configurations, and troubleshooting.</p>
	<p>Ramset DC RAM 300s & 302s Swing Gate Operator Instruction Manual</p> <p>Comprehensive instruction manual for Ramset DC RAM 300s and 302s high traffic swinging gate operators. Covers installation, safety, specifications, and maintenance for Class I-IV vehicular gate operators.</p>



[Ramset EPCON C8 Xtrem: High-Performance Epoxy Anchoring Adhesive for Seismic Reinforcing Bars](#)

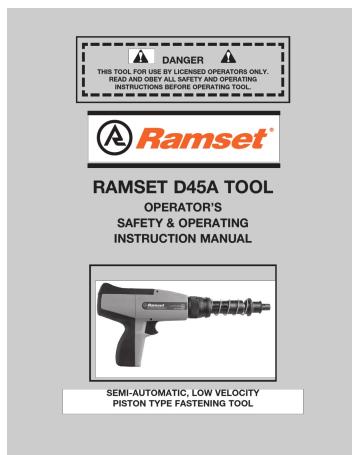
Discover Ramset EPCON C8 Xtrem, a high-performance pure epoxy anchoring adhesive for seismic reinforcing bars in cracked and non-cracked concrete. Ideal for structures subject to external exposure, damp, or aggressive conditions. Learn about its features, applications, installation, and technical specifications.



[Ramset ChemSet Reo 502 PLUS Seismic Reinforcing Bar - Chemical Injection Guide](#)

A comprehensive guide to Ramset ChemSet Reo 502 PLUS, a heavy-duty pure epoxy for anchoring threaded studs and reinforcing bar into cracked and uncracked concrete, with detailed installation and performance data for seismic applications.

Documents - Ramset – D45A

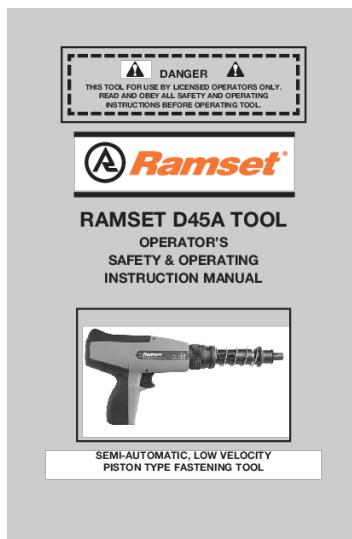


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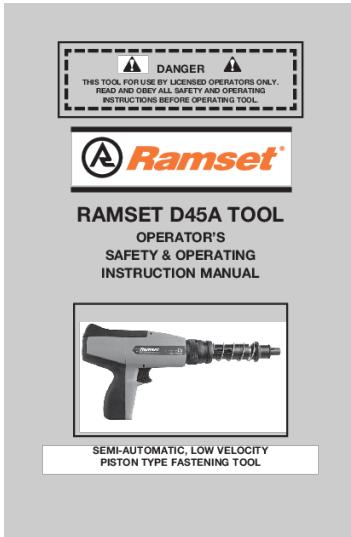


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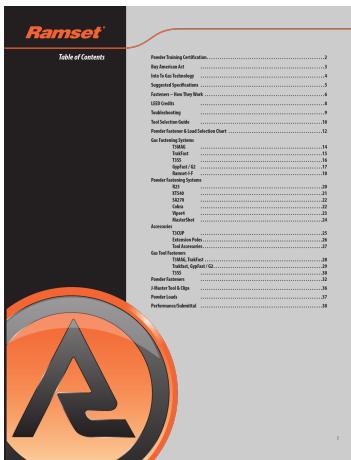


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[\[pdf\] Guide Catalog](#)

Product Catalog 1Ramset Products for ITW Ramset These manuals are also available on the website To assure safety jobsite OSHA and ANSI require that all powder actuated tool users 1532470 buildsite itwramset

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POLES FOR RAMSET AND HILTI TOOLS PART # PTSEMI6 PTSEMI8 LENGTH 6 8
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POWDER FASTENING SYSTEMS



Over a half century of leadership in powder actuated tools and fasteners

The first powder actuated tools (PATs) were used for repairing damaged ship hulls during World War I. This application continued through World War II, where the son of the original inventors, Stanley Temple, developed and implemented the technology for commercial use. In 1947, the "Temple Gun" was born.

Ramset Fasteners was founded in 1948 to handle distribution and sales for the construction trades. In 1949, Ramset's accredited Operator Program was officially launched. Today this highly successful training program has instructed over 1,000,000 trades people in the safe use of PATs.

Today, Ramset continues to bring the industry the products, service and innovation that they have come to expect from the leader in powder fastening. All geared to help contractors do their job faster, more safely and more profitably.

Powder fastening systems



[pdf] User Manual Warranty Catalog

Ramset Powder Fastening Systems Product Catalog for ITW buildsite Spring return front end—no manual resetting of the piston Power adjust—dial down 1 2 load levels Rugged soft grip handle Low recoil Ergonomically balanced 5 Year Warranty MOST COMMON FASTENERS PIN SHANK LENGTH IN MM APPLICATION SP58TH 8 15 9 Track to steel SP114 4 31 Perimeter track concrete 315546 itwramset Powder Fastening Systems POWDER FASTENING SYSTEMS Over a half century of leadership in powder actua ... tions. www.ramset.com 15 VISIT OUR WEBSITE FOR THE MOST CURRENT PRODUCT AND TECHNICAL INFORMATION **D45A D45A** .25 Caliber Disc Tool Semi-Automatic 2 Pin Capacity 2-1/2 w/washer Automatic Piston Re...

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Ramset®		POWDER LOADS	
High Quality and Dependability		Powder loads are designed by the load designer method or in other words by the color of the box (standard product load). In the outer box, the powder characteristics.	
This table lists the Ramset® powder loads and their approximate powder weight within recognized industry standards. Available in sizes 1/8 oz, 1/4 oz, 1/2 oz, 1 oz, 2 oz, 4 oz, 8 oz, 16 oz, 32 oz, 64 oz, 128 oz, 256 oz, 512 oz, 1024 oz, 2048 oz, 4096 oz, 8192 oz, 16384 oz, 32768 oz, 65536 oz, 131072 oz, 262144 oz, 524288 oz, 1048576 oz, 2097152 oz, 4194304 oz, 8388608 oz, 16777216 oz, 33554432 oz, 67108864 oz, 134217728 oz, 268435456 oz, 536870912 oz, 1073741824 oz, 2147483648 oz, 4294967296 oz, 8589934592 oz, 17179869184 oz, 34359738368 oz, 68719476736 oz, 137438953472 oz, 274877906944 oz, 549755813888 oz, 1099511627776 oz, 2199023255552 oz, 4398046511104 oz, 8796093022208 oz, 17592186044416 oz, 35184372088832 oz, 70368744177664 oz, 140737488355328 oz, 281474976710656 oz, 562949953421312 oz, 1125899906842640 oz, 2251799813685280 oz, 4503599627370560 oz, 9007199254741120 oz, 18014398509482240 oz, 36028797018964480 oz, 72057594037928960 oz, 144115188075857920 oz, 288230376151715840 oz, 576460752303431680 oz, 115292150460686320 oz, 230584300921372640 oz, 461168601842745280 oz, 922337203685490560 oz, 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POWDER LOADS Refer to operator's manual for more specific details Observe all safety reminders Tool operators must be trained and qualified as required by federal law ITWWRAME00001 37 cdn lsicloud net acmeconsup TradeService Resources |||

POWDER LOADS High Quality and Dependability ITW Ramset powder loads and tools match tolerances to p ... Qty 10,000 10,000 10,000 10,000 10,000 10,000 10,000 10,000 COMPATIBLE TOOLS RAMSET OTHERS D60, **D45A** and AutoFast **D45A** and AutoFast R25 DX-35 721, M70, RS22, HD22, Mastershot DXE37, DXE72 SA...

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POWDER LOADS High Quality and Dependability ITW Ramset powder loads and tools match tolerances to p ... of Hilti, Corp. 38 CW Series RS25 Series Selection chart RAMSET COMPATIBLE TOOLS OTHERS D60, **D45A** and AutoFast **D45A** and AutoFast B25 DX-35 Z21 M70 RS22 HD22 Mastershot DXE37 DXE72 SA

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POWERLOAD IDENTIFICATION

1 2 3 4 5 6

Disclaimer: Ramset Powder Loads Chart

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POWDER FASTENERS

We maintain only the highest standards in the materials, production techniques and quality control measures to manufacture our fasteners, ensuring consistent, optimum quality in every fastener.

INDUSTRIAL FASTENERS

K = Headed X = Gated C = 100 count B = Black S = Silver E = Recessed

BLACK TRACK PINS Designed for use in concrete and structural steel applications. Available in 100 per box.

Part	Shank Length	Head	Auto	Rocket	6450	6470	6480	6490	6500	6510	6520	Master Carton (Qty)
15504	3/8" (9.5)	10	00	00	00	00	00	00	00	00	00	3000
15508	5/8" (12.7)	10	00	00	00	00	00	00	00	00	00	3000
15512	1" (25.4)	10	00	00	00	00	00	00	00	00	00	3000
15516	1 1/4" (31.7)	10	00	00	00	00	00	00	00	00	00	3000
15520	1 1/2" (38.1)	10	00	00	00	00	00	00	00	00	00	3000
15524	2" (50.8)	10	00	00	00	00	00	00	00	00	00	3000
15528	2 1/2" (63.5)	10	00	00	00	00	00	00	00	00	00	3000
15532	3" (76.2)	10	00	00	00	00	00	00	00	00	00	3000

Shank diameter = .145 Head diameter = .300

PLATED PINS Designed for use in concrete and structural steel applications.

Part	Shank Length	Head	Auto	Rocket	6450	6470	6480	6490	6500	6510	6520	Master Carton (Qty)
15504	3/8" (9.5)	10	00	00	00	00	00	00	00	00	00	3000
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15512	1" (25.4)	10	00	00	00	00	00	00	00	00	00	3000
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15520	1 1/2" (38.1)	10	00	00	00	00	00	00	00	00	00	3000
15524	2" (50.8)	10	00	00	00	00	00	00	00	00	00	3000
15528	2 1/2" (63.5)	10	00	00	00	00	00	00	00	00	00	3000
15532	3" (76.2)	10	00	00	00	00	00	00	00	00	00	3000

Shank diameter = .145 Head diameter = .300

WASHERED PINS Designed for use in concrete and structural steel applications.

Part	Shank Length	Head	Auto	Rocket	6450	6470	6480	6490	6500	6510	6520	Master Carton (Qty)
15504	3/8" (9.5)	10	00	00	00	00	00	00	00	00	00	3000
15508	5/8" (12.7)	10	00	00	00	00	00	00	00	00	00	3000
15512	1" (25.4)	10	00	00	00	00	00	00	00	00	00	3000
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15524	2" (50.8)	10	00	00	00	00	00	00	00	00	00	3000
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15532	3" (76.2)	10	00	00	00	00	00	00	00	00	00	3000

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15516	1 1/4" (31.7)	10	00	00	00	00	00	00	00	00	00	3000
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15532	3" (76.2)	10	00	00	00	00	00	00	00	00	00	3000

Shank diameter = .145 Head diameter = .300

PLATED PINS Designed for use in concrete and structural steel applications.

Part	Shank Length	Head	Auto	Rocket	6
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Black Track Pins Product Data for ITW Ramset 1994050 buildsite itwramset |||

We maintain only the highest standards in the materials, production techniques and quality control m ... Shank diameter = .145 SHANK LENGTH IN. MM 3/4 19.1 Head diameter = .300 721/ ROCKET D60/**D45A** SA270 XT540 COBRA MASTERSHOT/ Master Carton Qty R25 RS22 5000 PLATED PINS Desig...

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Ramset Drive Pins With Washer Product Data for ITW 315514 buildsite 80 itwramset

POWDER FASTENERS DESCRIPTION ADVANTAGES We maintain only the highest standards in the materials, ... PART NUMBER 1506B SHANK LENGTH IN. MM 3/4 19.1 AUTO ROCKET/ RS22/ 721 FAST D60 SA270 **D45A** COBRA HD22 Shank

diameter = .145 Head diameter = .300 DRIVE PINS 100 PER BOX. ...

 Ramset® ATTENDING ANNEITED BOLTS		POWDER FASTENERS																																																																					
 DESCRIPTION																																																																							
<p>We maintain only the highest standards in the materials, processes and quality control of our products. We are committed to innovation in our fasteners, ensuring consistent, optimum performance in all applications.</p>																																																																							
ADVANTAGES																																																																							
<p>ADVANTAGES</p> <p>• Ramset® powder fasteners are designed to penetrate into difficult base material (i.e. hard concrete). We offer this black coating on all our powder fasteners to prevent staining of concrete and metal track and channel or concrete screed.</p> <p>• Ramset® powder fastened items are specifically fabricated to withstand the most severe temperatures of high-heat and high-velocity impact.</p> <p>• Ramset® powder fastened items are consistent and reliable that enable them to withstand stress concentrations and cyclic loading.</p>																																																																							
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<p>AVAILABLE IN 100/PACK AND 1000/PACK PEG BOX.</p>																																																																							
																																																																							
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 Power Fasteners																																																																							

[pdf]

Black Track Pins Product Data for ITW Ramset 315511 buildsite 80 itwramset

POWDER FASTENERS DESCRIPTION ADVANTAGES We maintain only the highest standards in the materials, ... PART NUMBER 1506B SHANK LENGTH IN. MM 3/4 19.1 AUTO ROCKET/ RS22/ 721 FAST D60 SA270 **D45A** COBRA HD22 Shank diameter = 145 Head diameter = 300 DRIVE PINS 100 PER BOX

lang:en score:25 filesize: 113.05 K page_count: 4 document_date: 2012-05-30



[pdf] Catalog

Construction Products DigitalOcean This application continued through World War II when the son of original inventor Stanley Temple developed and implemented technology for commercial Ramset

100306184 Catalog supplyhog nyc3 cdn digitaloceanspaces orgill docs |||

Construction Products Notes R 2 Construction Products Call our toll free number 800-387-9692 or ... buildings. There are times when you need the power and accuracy of our PATs--like the speed of our **D45A** disc tool, or the work horse, nearly maintenance-free 721 single shot PAT. But constant use of ...

lang:en **score:23** filesize: 5.48 M page_count: 40 document date: 2016-01-10

[pdf]

PowerPoint Pins Product Data for ITW Ramset Submittal data UL Design U419 1 2 3 or 4 Hour Wall

Assembly Please note that Sheets may contain multiple products and sizes not all of which have been approved the Standard review standard specific applications additional BuildSite 2222382 buildsite itwramset |||

We maintain only the highest standards in the materials, production techniques and quality control m ... Shank diameter = .145 SHANK LENGTH IN. MM 3/4 19.1 Head diameter = .300 721/ ROCKET D60/**D45A** SA270 XT540 COBRA MASTERSHOT/ Master Carton Qty R25 RS22 5000 PLATED PINS Design...

lang:en **score:22** filesize: 252.26 K page_count: 3 document date: 2021-08-30

[pdf] Specifications Catalog

BBv11 ForCD Others mmccormi 07 89 fastenal catalog pages 2013 |||

Tools Equipment Powder Actuated Tools, Extension Poles, Power Tool Batteries,

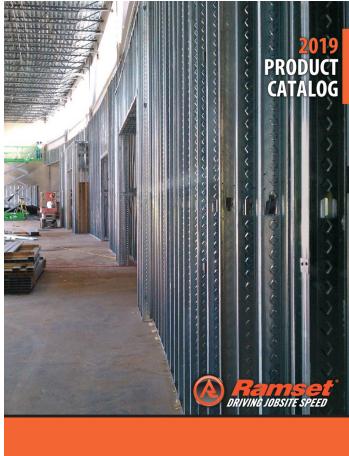
Fuel Cells, Powder ... Gas 3000 Shot T3 Battery 2208530 Model Compatibility

Ramset #T3SS, T3 Fastening Systems TrackFast **D45A** Semi-Automatic Fastening

Gun ADVANTAGES: Most durable, powerful powder tool - designed for hig...

lang:en **score:21** filesize: 486.56 K page_count: 1 document date: 2013-08-08

Powers FASTENERS		SPECIFICATION & DESIGN MANUAL			Powder Actuated Tools						
Powder Loads		GENERAL INFORMATION			SUGGESTED TOOLS						
GENERAL INFORMATION											
GENERAL INFORMATION, including the legal description in the United States, with uncopyrighted quality and relatively specific loads are designed for each unique powder actuated tool. They are offered as single cartridge units for single or multiple applications.											
SELECTION GUIDE		GENERAL INFORMATION			SUGGESTED TOOLS						
22 Caliber "A" Single Loads		GENERAL INFORMATION			SUGGESTED TOOLS						
Cal. No.	Description	Standard Box	\$15.00	Single Cartridge	W.H. 5000						
10048	Gray, 21A	100	5.00	20.00	0.2						
10049	Brass, 21A	100	5.00	20.00	0.2						
10050	Brass, 21B	100	5.00	20.00	0.2						
10051	Brass, 21C	100	5.00	20.00	0.2						
10052	Brass, 21D	100	5.00	20.00	0.2						
10053	Brass, 21E	100	5.00	20.00	0.2						
10054	Brass, 21F	100	5.00	20.00	0.2						
10055	Brass, 21G	100	5.00	20.00	0.2						
10056	Brass, 21H	100	5.00	20.00	0.2						
10057	Brass, 21I	100	5.00	20.00	0.2						
10058	Brass, 21J	100	5.00	20.00	0.2						
10059	Brass, 21K	100	5.00	20.00	0.2						
10060	Brass, 21L	100	5.00	20.00	0.2						
10061	Brass, 21M	100	5.00	20.00	0.2						
10062	Brass, 21N	100	5.00	20.00	0.2						
10063	Brass, 21O	100	5.00	20.00	0.2						
10064	Brass, 21P	100	5.00	20.00	0.2						
10065	Brass, 21Q	100	5.00	20.00	0.2						
10066	Brass, 21R	100	5.00	20.00	0.2						
10067	Brass, 21S	100	5.00	20.00	0.2						
10068	Brass, 21T	100	5.00	20.00	0.2						
10069	Brass, 21U	100	5.00	20.00	0.2						
10070	Brass, 21V	100	5.00	20.00	0.2						
10071	Brass, 21W	100	5.00	20.00	0.2						
10072	Brass, 21X	100	5.00	20.00	0.2						
10073	Brass, 21Y	100	5.00	20.00	0.2						
10074	Brass, 21Z	100	5.00	20.00	0.2						
10075	Brass, 21AA	100	5.00	20.00	0.2						
10076	Brass, 21BB	100	5.00	20.00	0.2						
10077	Brass, 21CC	100	5.00	20.00	0.2						
10078	Brass, 21DD	100	5.00	20.00	0.2						
10079	Brass, 21EE	100	5.00	20.00	0.2						
10080	Brass, 21FF	100	5.00	20.00	0.2						
10081	Brass, 21GG	100	5.00	20.00	0.2						
10082	Brass, 21HH	100	5.00	20.00	0.2						
10083	Brass, 21II	100	5.00	20.00	0.2						
10084	Brass, 21JJ	100	5.00	20.00	0.2						
10085	Brass, 21KK	100	5.00	20.00	0.2						
10086	Brass, 21LL	100	5.00	20.00	0.2						
10087	Brass, 21MM	100	5.00	20.00	0.2						
10088	Brass, 21NN	100	5.00	20.00	0.2						
10089	Brass, 21OO	100	5.00	20.00	0.2						
10090	Brass, 21PP	100	5.00	20.00	0.2						
10091	Brass, 21QQ	100	5.00	20.00	0.2						
10092	Brass, 21RR	100	5.00	20.00	0.2						
10093	Brass, 21SS	100	5.00	20.00	0.2						
10094	Brass, 21TT	100	5.00	20.00	0.2						
10095	Brass, 21UU	100	5.00	20.00	0.2						
10096	Brass, 21VV	100	5.00	20.00	0.2						
10097	Brass, 21WW	100	5.00	20.00	0.2						
10098	Brass, 21XX	100	5.00	20.00	0.2						
10099	Brass, 21YY	100	5.00	20.00	0.2						
10100	Brass, 21ZZ	100	5.00	20.00	0.2						
10101	Brass, 21AA	100	5.00	20.00	0.2						
10102	Brass, 21BB	100	5.00	20.00	0.2						
10103	Brass, 21CC	100	5.00	20.00	0.2						
10104	Brass, 21DD	100	5.00	20.00	0.2						
10105	Brass, 21EE	100	5.00	20.00	0.2						
10106	Brass, 21FF	100	5.00	20.00	0.2						
10107	Brass, 21GG	100	5.00	20.00	0.2						
10108	Brass, 21HH	100	5.00	20.00	0.2						
10109	Brass, 21II	100	5.00	20.00	0.2						
10110	Brass, 21JJ	100	5.00	20.00	0.2						
10111	Brass, 21KK	100	5.00	20.00	0.2						
10112	Brass, 21LL	100	5.00	20.00	0.2						
10113	Brass, 21MM	100	5.00	20.00	0.2						
10114	Brass, 21NN	100	5.00	20.00	0.2						
10115	Brass, 21OO	100	5.00	20.00	0.2						
10116	Brass, 21PP	100	5.00	20.00	0.2						
10117	Brass, 21QQ	100	5.00	20.00	0.2						
10118	Brass, 21RR	100	5.00	20.00	0.2						
10119	Brass, 21SS	100	5.00	20.00	0.2						
10120	Brass, 21TT	100	5.00	20.00	0.2						
10121	Brass, 21UU	100	5.00	20.00	0.2						
10122	Brass, 21VV	100	5.00	20.00	0.2						
10123	Brass, 21WW	100	5.00	20.00	0.2						
10124	Brass, 21XX	100	5.00	20.00	0.2						
10125	Brass, 21YY	100	5.00	20.00	0.2						
10126	Brass, 21ZZ	100	5.00	20.00	0.2						
10127	Brass, 21AA	100	5.00	20.00	0.2						
10128	Brass, 21BB	100	5.00	20.00	0.2						
10129	Brass, 21CC	100	5.00	20.00	0.2						
10130	Brass, 21DD	100	5.00	20.00	0.2						
10131	Brass, 21EE	100	5.00	20.00	0.2						
10132	Brass, 21FF	100	5.00	20.00	0.2						
10133	Brass, 21GG	100	5.00	20.00	0.2						
10134	Brass, 21HH	100	5.00	20.00	0.2						
10135	Brass, 21II	100	5.00	20.00	0.2						
10136	Brass, 21JJ	100	5.00	20.00	0.2						
10137	Brass, 21KK	100	5.00	20.00	0.2						
10138	Brass, 21LL	100	5.00	20.00	0.2						
10139	Brass, 21MM	100	5.00	20.00	0.2						
10140	Brass, 21NN	100	5.00	20.00	0.2						
10141	Brass, 21OO	100	5.00	20.00	0.2						
10142	Brass, 21PP	100	5.00	20.00	0.2						
10143	Brass, 21QQ	100	5.00	20.00	0.2						
10144	Brass, 21RR	100	5.00	20.00	0.2						
10145	Brass, 21SS	100	5.00	20.00	0.2						
10146	Brass, 21TT	100	5.00	20.00	0.2						
10147	Brass, 21UU	100	5.00	20.00	0.2						
10148	Brass, 21VV	100	5.00	20.00	0.2						
10149	Brass, 21WW	100	5.00	20.00	0.2						
10150	Brass, 21XX	100	5.00	20.00	0.2						
10151	Brass, 21YY	100	5.00	20.00	0.2						
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10156	Brass, 21DD	100	5.00	20.00	0.2						
10157	Brass, 21EE	100	5.00	20.00	0.2						
10158	Brass, 21FF	100	5.00	20.00	0.2						
10159	Brass, 21GG	100	5.00	20.00	0.2						
10160	Brass, 21HH	100	5.00	20.00	0.2						
10161	Brass, 21II	100	5.00	20.00	0.2						
10162	Brass, 21JJ	100	5.00	20.00	0.2						
10163	Brass, 21KK	100	5.00	20.00	0.2						
10164	Brass, 21LL	100	5.00	20.00	0.2						
10165	Brass, 21MM	100	5.00	20.00	0.2						
10166	Brass, 21NN	100	5.00	20.00	0.2						
10167	Brass, 21OO	100	5.00	20.00	0.2						
10168	Brass, 21PP	100	5.00	20.00	0.2						
10169	Brass, 21QQ	100	5.00	20.00	0.2						
10170	Brass, 21RR	100	5.00	20.00	0.2						
10171	Brass, 21SS	100	5.00	20.00	0.2						
10172	Brass, 21TT	100	5.00	20.00	0.2						
10173	Brass, 21UU	100	5.00	20.00	0.2						
10174	Brass, 21VV	100	5.00	20.00	0.2						
10175	Brass, 21WW	100	5.00	20.00	0.2						
10176	Brass, 21XX	100	5.00	20.00	0.2						
10177	Brass, 21YY	100	5.00	20.00	0.2						
10178	Brass, 21ZZ	100	5.00	20.00	0.2						
10179	Brass, 21AA	100	5.00	20.00	0.2						
10180	Brass, 21BB	100	5.00	20.00	0.2						
10181	Brass, 21CC	100	5.00	20.00	0.2						
10182	Brass, 21DD	100	5.00	20.00	0.2						
10183	Brass, 21EE	100	5.00	20.00	0.2						
10184	Brass, 21FF	100	5.00	20.00	0.2						
10185	Brass, 21GG	100	5.00	20.00	0.2						
10186	Brass, 21HH	100	5.00	20.00	0.2						
10187	Brass, 21II	100	5.00	20.00	0.2						
10188	Brass, 21JJ	100	5.00	20.00	0.2						
10189	Brass, 21KK	100	5.00	20.00	0.2						
10190	Brass, 21LL	100	5.00	20.00	0.2						
10191	Brass, 21MM	100	5.00	20.00	0.2						
10192	Brass, 21NN	100	5.00	20.00	0.2						
10193	Brass, 21OO	100	5.00	20.00	0.2						
10194	Brass, 21PP	100	5.00	20.00	0.2						
10195	Brass, 21QQ	100	5.00	20.00	0.2						
10196	Brass, 21RR	100	5.00	20.00	0.2						
10197	Brass, 21SS	100	5.00	20.00	0.2						
10198	Brass, 21TT	100	5.00	20.00	0.2						
10199	Brass, 21UU	100	5.00	20.00	0.2						
10200	Brass, 21VV	100	5.00	20.00	0.2						
10201	Brass, 21WW	100	5.00	20.00	0.2						
10202	Brass, 21XX	100	5.00	20.00	0.2						
10203	Brass, 21YY	100	5.00	20.00	0.2						
10204	Brass, 21ZZ	100	5.00	20.00	0.2						
10205	Brass, 21AA	100	5.00	20.00	0.2						
10206	Brass, 21BB	100	5.00	20.00	0.2						
10207	Brass, 21CC	100	5.00	20.00	0.2						
10208	Brass, 21DD	100	5.00	20.00	0.2						
10209	Brass, 21EE	100	5.00	20.00	0.2						
10210	Brass, 21FF	100	5.00	20.00	0.2						
10211	Brass, 21GG	100	5.00	20.00	0.2						
10212	Brass, 21HH	100	5.00	20.00	0.2						
10213	Brass, 21II	100	5.00	20.00	0.2						
10214	Brass, 21JJ	100	5.00	20.00	0.2						
10215	Brass, 21KK	100	5.00	20.00	0.2						
10216	Brass, 21LL	100	5.00	20.00	0.2						
10217	Brass, 21MM	100	5.00	20.00	0.2						
10218	Brass, 21NN	100	5.00	20.00	0.2						
10219	Brass, 21OO	100	5.00	20.00	0.2						
10220	Brass, 21PP	100	5.00	20.00	0.2						
10221	Brass, 21QQ	100	5.00	20.00	0.2						
10222	Brass, 21RR	100	5.00	20.00	0.2						
10223	Brass, 21SS	100	5.00	20.00	0.2						
10224	Br										



RAMSET® INDUSTRIAL GRADE		POWDER FASTENERS													
We manufacture the highest quality fasteners, including: mechanical, adhesive and quality control standards that are second to none. We are committed to quality and reliability to better serve you.															
FASTENING TERMINOLOGY															
Fastener diameter (D) = 1/4" - 1/2" - 5/8" - 3/4" - 1" - 1-1/4" - 1-1/2" - 1-3/4" - 2" - 2-1/2" - 3" - 4" - 5" - 6" - 8" - 10" - 12" - 14" - 16" - 18" - 20" - 24" - 30" - 36" - 42" - 48" - 54" - 60" - 72" - 84" - 96" - 108" - 120" - 132" - 144" - 156" - 168" - 180" - 192" - 204" - 216" - 228" - 240" - 252" - 264" - 276" - 288" - 300" - 312" - 324" - 336" - 348" - 360" - 372" - 384" - 396" - 408" - 420" - 432" - 444" - 456" - 468" - 480" - 492" - 504" - 516" - 528" - 540" - 552" - 564" - 576" - 588" - 600" - 612" - 624" - 636" - 648" - 660" - 672" - 684" - 696" - 708" - 720" - 732" - 744" - 756" - 768" - 780" - 792" - 804" - 816" - 828" - 840" - 852" - 864" - 876" - 888" - 896" - 908" - 920" - 932" - 944" - 956" - 968" - 980" - 992" - 1004" - 1016" - 1028" - 1040" - 1052" - 1064" - 1076" - 1088" - 1096" - 1108" - 1120" - 1132" - 1144" - 1156" - 1168" - 1180" - 1192" - 1204" - 1216" - 1228" - 1240" - 1252" - 1264" - 1276" - 1288" - 1296" - 1308" - 1320" - 1332" - 1344" - 1356" - 1368" - 1380" - 1392" - 1404" - 1416" - 1428" - 1440" - 1452" - 1464" - 1476" - 1488" - 1496" - 1508" - 1520" - 1532" - 1544" - 1556" - 1568" - 1580" - 1592" - 1604" - 1616" - 1628" - 1640" - 1652" - 1664" - 1676" - 1688" - 1696" - 1708" - 1720" - 1732" - 1744" - 1756" - 1768" - 1780" - 1792" - 1804" - 1816" - 1828" - 1840" - 1852" - 1864" - 1876" - 1888" - 1896" - 1908" - 1920" - 1932" - 1944" - 1956" - 1968" - 1980" - 1992" - 2004" - 2016" - 2028" - 2040" - 2052" - 2064" - 2076" - 2088" - 2096" - 2108" - 2120" - 2132" - 2144" - 2156" - 2168" - 2180" - 2192" - 2204" - 2216" - 2228" - 2240" - 2252" - 2264" - 2276" - 2288" - 2296" - 2308" - 2320" - 2332" - 2344" - 2356" - 2368" - 2380" - 2392" - 2404" - 2416" - 2428" - 2440" - 2452" - 2464" - 2476" - 2488" - 2496" - 2508" - 2520" - 2532" - 2544" - 2556" - 2568" - 2580" - 2592" - 2604" - 2616" - 2628" - 2640" - 2652" - 2664" - 2676" - 2688" - 2696" - 2708" - 2720" - 2732" - 2744" - 2756" - 2768" - 2780" - 2792" - 2804" - 2816" - 2828" - 2840" - 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T35 Gas Tool Fasteners					
SELECTION CHART			DESCRIPTION		
Bridge Ring					Professional 2" Bridge Ring supports low voltage, data, coin, signal, and control cables. 200 ft. long.
					Bridge Ring
ITEM NUMBER	SIZE	QUANTITY	NET WEIGHT	DISCRIPTION	
10000010	1/4" - 20	100	1 lb	Bridge Ring	
10000011	1/4" - 20	100	1 lb	Bridge Ring	
*Bridge rings are sold in pairs. Order 10000010, 10000011, or a combination of both and arches.					
Hybrid Pin					
					For general purpose attachments to concrete. PowerPoint stop sleeves prevent pin from pulling out. 100 ft. long.
					Hybrid Pin
ITEM NUMBER	SIZE	QUANTITY	NET WEIGHT	DISCRIPTION	
10000012	1/4" - 20	100	1 lb	Hybrid Pin stop sleeves 1/4" - 20, 100 ft. long	
*Hybrid pins are sold in pairs. Order 10000012, 100 ft. long & a box.					
One Hole Conduit Strap					
					Used to attach conduit to square or rectangular concrete. PowerPoint fastener is rated for 1/4" galvanized conduit, 100 ft. long.
					One Hole Conduit Strap
ITEM NUMBER	SIZE	QUANTITY	NET WEIGHT	DISCRIPTION	
10000013	1/4" - 20	100	1 lb	1/4" galvanized strap, 100 ft. long	
10000014	1/4" - 20	100	1 lb	1/4" galvanized strap, 100 ft. long	
10000015	1/4" - 20	100	1 lb	1/4" galvanized strap, 100 ft. long	
10000016	1/4" - 20	100	1 lb	1/4" galvanized strap, 100 ft. long	
*One hole straps are sold in pairs. Order 10000013, 10000014, 10000015, 10000016, or a combination of both and arches.					
Threaded Rod Hanger					
					For suspended ceiling, piping and other items using 1/4" or 3/8" threaded rods. PowerPoint fastener is rated for 1/4" galvanized threaded rod hangers 100 ft. long.
					Threaded Rod Hanger
ITEM NUMBER	SIZE	QUANTITY	NET WEIGHT	DISCRIPTION	
10000017	1/4" - 20	100	1 lb	1/4" galvanized hanger plate	
10000018	1/4" - 20	100	1 lb	3/8" galvanized hanger plate	
*Threaded rod hangers are sold in pairs. Order 10000017, 10000018, or a combination of both and arches.					

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SPECIFICATION DESIGN MANUAL Powder Actuated Tools Powder Loads

GENERAL DESCRIPTION Powers offers h ... mset: 721, M70, RS22 Hilti: DXE37, DXE72 SUGGESTED TOOLS Ramset: L1600 SUGGESTED TOOLS Ramset: D45, **D45A**, D60, D60L Ramset: D45, **D45A** Only .25 Caliber Single Loads Cat. No.

Description 50560 Green,

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2019 PRODUCT CATALOG Ramset USESI 720550 catalog assets usesi product media catalogs |||

2019 PRODUCT CATALOG Table of Contents Powder Training Certification
. . . idual tools POLE FOR RAMSET AND HILTI TOOLS PART # LENGTH PTSEMI8 8
FITS: RAMSET D60, SA270, **D45A**, Rocket, Cobra, HILTI DX36 Hilti is a registered
trademark of Hilti. Corp. Ramset Pole Tools a...

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Cut Sheet Ramset 1510SD Drive Pin Washer Type 1 4 Rexel USA ramset 1510sd cut sheet i 81E9E429 0735 42F1 84CE 7E0FFCA7C162 rexel cdn products |||

We maintain only the highest standards in the materials, production techniques and quality control m ... 21/ IN. MM R25 1506B 3/4 19.1 Shank diameter = .145 Head diameter = .300 ROCKET D60/ **D45A** SA270 XT540 COBRA MASTERSHOT/ RS22 plated pins Designed for use in concrete and stru...

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T3SS Gas Tool Fasteners Ideadigitalcontent DX 460 A40 A41 35 F72 SDC100 1 25 4 SPC78 7 8 22 2

BBO 0066252009086 ideadigitalcontent files 12379 II

T3SS Gas Tool Fasteners SELECTION CHART Bridle Ring BB2 BB2S Pre-

Assembled 2 Bridle Ring supports ... ons. Pin pre-assembled to a 14 gage angle clip. 100 per box. ROCKET XT540 SA270/ TS750P COBRA D45/ **D45A** D60 721 RS22/ HD22 DX 351 DX 36 DX 350 DX 460 DX A40 DX A41 DX 35 DX E72 PART SHANK NUMBER |

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Ramset 3 07 cat maggie Catalog Page 12HSSS10 1 2 Conduit Strap Gexpro ramset 30elecfasteners i

9A61F523 B5BB 4755 A137 D7BB415D74A0 rexel cdn products |||

POWDER FASTENERS These Mechanical/Electrical Assemblies are designed to be used in either Gas or Po ... ONDUIT STRAP. 100 PER BOX. PART NUMBER DESCRIPTION AUTO ROCKET/ RS22/ R150/ 721 FAST D60 SA270 **D45A** COBRA VIPER HD22 T3SS 38HSSS10 3/8 Hole strap w/1 premium pin 12HSSS...

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Ramset One Hole Conduit Strap Electrical Fasteners Product Data for Electrical ITW Cut Sheet

12CCSS10L PLATT ELECTRIC SUPPLY ramset 12ccss10l cut sheet i 09EF457B 6D96 4316 A569

DF1B18B19EB6 rexel cdn products |||
POWDER FASTENERS These Mechanical/Electrical Assemblies are designed to be used in either Gas or Po ... ONDUIT STRAP. 100 PER BOX. PART NUMBER DESCRIPTION AUTO ROCKET/ RS22/ R150/ 721 FAST D60 SA270 **D45A** COBRA VIPER HD22 T3SS 38HSSS10 3/8 Hole strap w/1 premium pin 12HSSS

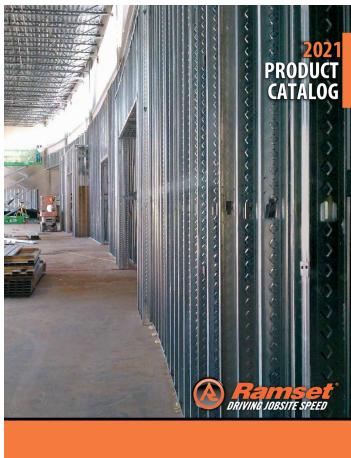
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Catalog Ramset Drive Pins With Premounted Washer 2 Length 300 Headed 1514SD 564622 WFccuk
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We maintain only the highest standards in the materials, production techniques and quality control m ... Shank diameter = .145 SHANK LENGTH IN. MM 3/4 19.1 Head diameter = .300 721/ ROCKET D60/**D45A** SA270 XT540 COBRA MASTERSHOT/ Master Carton Qty B25 RS22 5000 PLATED PINS Design

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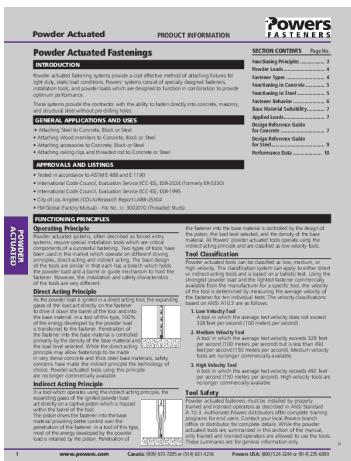


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Product Catalog 1Catalog Of Ramset Products for ITW BuildSite Aug 30 2021 — In 1991 Paslode conquered the challenge with revolution of gas powered technology The cordless Impulse Finish Nailer delivered power 1993206 buildsite itwramset |||

20201 PRODUCT CATALOG Table of Contents Powder Training Certification
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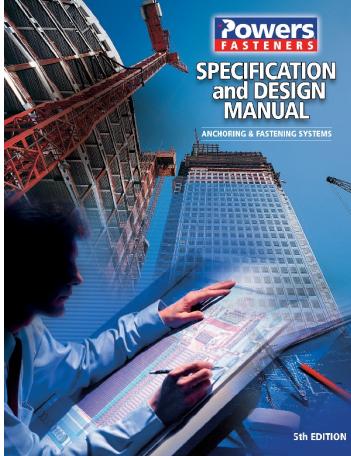
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Powder Actuated PRODUCT INFORMATION Powder Actuated Fastenings

INTRODUCTION Powder actuated fasten ... 10,000 10,000 10,000 10,000 Wt./100
0.4 0.4 0.4 0.4 0.4 SUGGESTED TOOLS Powers: P60 Ramset: D45, **D45A**, D60,
D60L Ramset: D45, **D45A** Only .25 Caliber Single Loads Cat.No. Description
Standard Box

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Powers Fasteners Specification Design Manual US is the largest supplier of concrete and masonry anchors in North America has been a leader fastening industry since 1921 65412 catalog usesi media product catalogs

Architectural and Engineering Specification and Design Manual 5th Edition Anchoring
Fastening Sys ... mset: 721, M70, RS22 Hilti: DXE37, DXE72 SUGGESTED TOOLS
Ramset: L1600 SUGGESTED TOOLS Ramset: D45, **D45A**, D60, D60L Ramset: D45,
D45A Only .25 Caliber Single Loads Cat. No. Description 50560 Green,

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