



SIMPSON

Strong-Tie

®

In the Specs – On the Job – At Your Service™

POWDER- ACTUATED TOOLS



02 9831 7700

www.simpsonanchors.com

POWDER-ACTUATED FASTENING SYSTEMS

Three families of Simpson Strong-Tie Anchor Systems® tools provide you with exactly the features you need:

COLLATED TOOLS

Cutting edge features for maximum production and comfort

- Adjustable Power: Fasten most applications in multiple base materials with one load power level
- Low Noise and low recoil: Increased operator comfort
- Magazine tools available for some of the quickest fastening in the industry



**New PTP-27ALMAGR
with Rotating Magazine**

PREMIUM TOOLS

Patented design allows for maximum durability and simple field repairs

- Modular design for the easiest repairs and maintenance in the industry
- Proven dependability
- Versatility: Modular tools will handle more applications than any other series of tools in the industry



PTP-27AL

GENERAL PURPOSE TOOLS

High quality field-tested designs

- Engineered for high use, high reliability and low maintenance
- Maximum performance for the money
- Maximum value from the remodeler to the heavy user



PT-27



PTP-27ALMAGR Premium Tool

FEATURES:

- Fully automatic tool with fastener magazine
- No manual resetting of piston required
- Adjustable power for fastening versatility: a wide range of power from a single strip
- Ability to quickly convert from a magazine to a single shot tool
- Easy disassembly for cleaning and maintenance
- Operator comfort: cushioned grip, reduced recoil and sound dampening muffler for quiet operation

SPECIFICATIONS:

- Fastener length: 16mm – 72mm
- Fastener type: 8mm Diameter
- Firing action: Fully automatic
- Load Caliber: .27 strip loads, brown through red (levels 2-5)
- Length: 438mm
- Weight: 2.7kg

KEY FASTENING APPLICATIONS:

- Wood framing applications
- Forming work

TOOL IS SOLD IN A RUGGED TOOL BOX COMPLETE WITH:

- Operator's manual
- Spall suppressor
- Tools for disassembly
- Safety glasses / Ear plugs
- Tool lubricant
- Cleaning brushes
- Operator's exam and caution sign
- Tool box also sold separately (model SASTOOLBOX1)



PTP-27ALMAGR



Collated pins for fully automatic fastening and quick loading



Adjustable power increases versatility



Common Repair Parts - PTP-27ALMAGR

Description	Model
Magazine Body	PTP-750000
Nosepiece	PTP-750006
Piston	PTP-750007
Piston Disc	PTP-730071CH
Rubber Returner	PTP-750008
Regulator Cover Screws	PTP-BN11288
Regulator Shock Absorber Assembly	PTP-720061

Complete tool schematics and parts list available at www.simpsonanchors.com.



The patent-pending quick-disconnect baseplate makes it easy to convert the PTP-27ALMAGR from a magazine to a single shot tool

PTP-27AL Premium Tool

FEATURES:

- Automatic fastening: no sliding barrel, just load and shoot
- No manual resetting of piston required
- Adjustable power for fastening versatility: a wide range of power from a single strip
- Easy disassembly for cleaning and maintenance
- Operator comfort: cushioned grip, reduced recoil and sound dampening muffler for quiet operation

SPECIFICATIONS:

- Fastener length: 14mm – 62mm (72mm – 102mm washered)
- Fastener type: 8mm diameter
- Firing action: Automatic
- Load caliber: .27 strip loads, brown through red (levels 2-5)
- Length: 438mm
- Weight: 2.5kg

KEY FASTENING APPLICATIONS:

- Wood framing applications
- Washered-pin installation
- Insulation fastening
- Forming work

TOOL IS SOLD IN A RUGGED TOOL BOX COMPLETE WITH:

- Operator's manual
- Spall suppressor
- Tools for disassembly
- Safety glasses / Ear plugs
- Tool lubricant
- Cleaning brushes
- Operator's exam and caution sign
- Tool box also sold separately (model SASTOOLBOX1)

OPTION:

- Extension pole tool for the PTP-27AL available in 1.8m and 2.4m lengths
1.8m tool: PET-6PKT
2.4m Tool: PET-8PKT



PTP-27AL



Adjustable power increases versatility



Common Repair Parts - PTP-27AL

Description	Model
Baseplate	PTP-730051CH
Nosepiece	PTP-730056CH
Piston	PTP-730070CH
Piston Disc	PTP-730071CH
Rubber Returner	PTP-730008
Regulator Cover Screw	PTP-BN11288
Regulator Shock Absorber Assembly	PTP-720061

Complete tool schematics and parts list available at www.simpsonanchors.com.



Extension Pole Tool

PT-27 General Purpose Tool

FEATURES:

- Reliable design of the world’s most popular tool
- Semi-automatic and fast cycling
- Engineered for continuous use, high reliability and low maintenance

SPECIFICATIONS:

- Fastener length: 14mm – 62mm (72mm – 102mm washered)
- Fastener type: 8mm headed fasteners
- Firing action: Semi-automatic
- Load caliber: .27 strip loads, Brown through Red (levels 2 – 5)
- Length: 343mm
- Weight: 2.4kg

KEY FASTENING APPLICATIONS:

- Acoustical ceilings
- Electrical applications
- Framing members
- Drywall track

TOOL IS SOLD IN A RUGGED TOOL BOX COMPLETE WITH:

- Operator’s manual
- Spall suppressor
- Tools for disassembly
- Safety glasses / Ear plugs
- Tool lubricant
- Cleaning brushes
- Operator’s exam and caution sign

OPTION:

- Extension pole tool available in 1.8m and 2.4m lengths
1.8m Tool: PET-6SMKT
2.4m Tool: PET-8SMKT



PT-27



Common Repair Parts

Description	Model No.
Annular Spring	PT-301014
Ball Bearing (6mm)	PT-301013
Barrel	PT-301006
Baseplate	PT-301009
Piston - Concave (includes ring)	PT-301217
Piston - Flat (includes ring)	PT-301903
Piston Ring	PT-301208
Piston Stop	PT-301012
Shear Clip	PT-301011

1. Complete tool schematics and parts list available at www.simpsonanchors.com.



Extension Pole Tool

POWDER LOADS For Simpson Strong-Tie® Powder-Actuated Tools

.27 Caliber Plastic 10-Shot Strip Loads

Description	Model	Pack Qty.	Carton Qty.
.27 Cal. - Brown (Level 2)	P27SL2	100	10,000
.27 Cal. - Green (Level 3)	P27SL3	100	10,000
.27 Cal. - Green BULK PACK	P27SL3M	1,000	5,000
.27 Cal. - Yellow (Level 4)	P27SL4	100	10,000
.27 Cal. - Yellow BULK PACK	P27SL4M	1,000	5,000
.27 Cal. - Red (Level 5)	P27SL5	100	10,000
.27 Cal. - Red BULK PACK	P27SL5M	1,000	5,000



P27SL

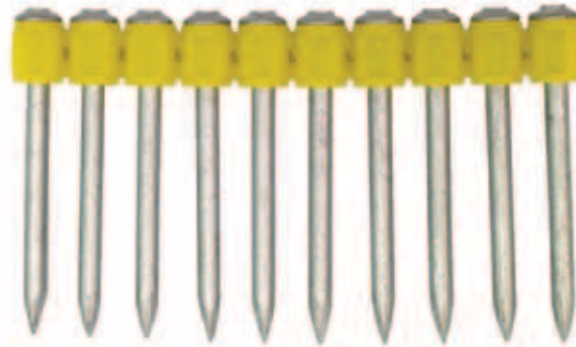
The P27SL strip loads work with Simpson Strong-Tie tools and most other .27 caliber strip load tools.

FASTENERS For Simpson Strong-Tie Powder-Actuated Tools

Metric Fasteners

Collated Fasteners

Length	Model	Pack Qty.	Carton Qty.
16mm Knurled	PHSNA-16K	100	1,000
19mm	PHSNA-19	100	1,000
19mm Knurled	PHSNA-19K	100	1,000
22mm	PHSNA-22	100	1,000
27mm	PHSNA-27	100	1,000
32mm	PHSNA-32	100	1,000
37mm	PHSNA-37	100	1,000
42mm	PHSNA-42	100	1,000
47mm	PHSNA-47	100	1,000
52mm	PHSNA-52	100	1,000
57mm	PHSNA-57	100	1,000
62mm	PHSNA-62	100	1,000
72mm	PHSNA-72	100	1,000



PHSNA

The PHSNA fasteners work with Simpson Strong-Tie tools and most other magazine tools.

8MM Headed Fasteners

Length	Model	Pack Qty.	Carton Qty.
14mm Knurled	PHN-14K	100	1,000
16mm Knurled	PHN-16K	100	1,000
19mm Knurled	PHN-19K	100	1,000
22mm	PHN-22	100	1,000
27mm	PHN-27	100	1,000
32mm	PHN-32	100	1,000
37mm	PHN-37	100	1,000
42mm	PHN-42	100	1,000
47mm	PHN-47	100	1,000
52mm	PHN-52	100	1,000
57mm	PHN-57	100	1,000
62mm	PHN-62	100	1,000
72mm	PHN-72	100	1,000



PHN

The PHN fasteners work with Simpson Strong-Tie tools and most other low-velocity tools.

NOTE: All 8mm fasteners have a 3.68 mm shank diameter unless otherwise noted.

Metric Fasteners

8MM Headed Fasteners with 26mm Metal Washers

Length	Model	Pack Qty.	Carton Qty.			
27mm	PHNW-27	100	1,000			
32mm	PHNW-32	100	1,000			
37mm	PHNW-37	100	1,000			
42mm	PHNW-42	100	1,000			
47mm	PHNW-47	100	1,000			
52mm	PHNW-52	100	1,000			
57mm	PHNW-57	100	1,000			
62mm	PHNW-62	100 </tr <tr> <td>72mm</td> <td>PHNW-72</td> <td>100</td> <td>1,000</td> </tr>	72mm	PHNW-72	100	1,000
72mm	PHNW-72	100	1,000			

**PHNW**

The PHNW fasteners work with Simpson Strong-Tie tools and most other low-velocity tools.

8MM Headed Tophat Fasteners

Length	Model	Pack Qty.	Carton Qty.
16mm Knurled	PHNT-16K	100	1,000
19mm Knurled	PHNT-19K	100	1,000
22mm	PHNT-22	100	1,000
27mm	PHNT-27	100	1,000

**PHNT**

The PHNT fasteners work with Simpson Strong-Tie tools and most other low-velocity tools.

Application Guide: Selecting Fasteners and Loads for Typical Applications

Fastened Material	Base Material	Fastener Length	Strip Load .27 cal.
Timber (50mm thick)	Concrete	62mm	Yellow
	Concrete	72mm	Red
	Cement Block	62mm	Yellow
	Steel (5mm – 6mm)	52mm	Yellow
	Steel (6mm – 8mm)	52mm	Red
Timber (25mm thick) Plywood (19mm thick)	Concrete	37mm	Yellow
	Cement Block	37mm	Yellow
	Steel (5mm – 6mm)	32mm washered	Yellow
	Steel (6mm – 8mm)	32mm washered	Red
Metal Fixtures (Electrical Boxes, etc)	Concrete	27mm	Yellow
	Cement Block	27mm	Green
	Steel (5mm – 6mm)	19mm	Yellow
	Steel (6mm – 8mm)	19mm	Red
Conduit Clips (EMTC, BX straps, etc.)	Concrete	27mm	Yellow
	Cement Block	27mm	Green
	Steel (5mm – 6mm)	19mm	Yellow
	Steel (6mm – 8mm)	19mm	Red
Drywall Track	Concrete	19mm	Green
	Cement Block	27mm	Green
	Steel (5mm – 6mm)	16mm knurled	Yellow
	Steel (6mm – 8mm)	16mm knurled	Red

General Notes

1. Average pin embedment into concrete is 19mm-32mm.
2. To determine pin length for concrete: add fixture thickness and embedment depths.
3. To determine pin length for steel applications: add fixture thickness plus steel thickness plus 19mm. Getting the point to pass through steel 19mm maximizes holding strength.
4. When selecting a load power level, it is recommended to make a test fastening with the lowest power level. If the powder load does not set the fastener, try the next highest load, and so on, until the fastener is properly set.

Powder-Actuated Tool Repair and Maintenance Kits

Tool	Kit Model No.	Description	Contents
PTP-27AL	PTP-27ALPK1A	Normal wear part replacement kit	1 Piston (Part No. PTP-730070CH)
			1 Piston Disk (Part No. PTP-730071CH)
			5 Rubber Returners (Part No. PTP-730008)
PTP-27AL	PTP-27ALPK2A	Power regulator rebuild kit	1 Regulator Bolt (Part No. PTP-914020)
			1 Regulator Nut (Part No. PTP-914021)
			1 Regulator Shock Absorber Assembly (Part No. PTP-720061)
			1 Regulator Cover (Part No. PTP-914590)
			2 Regulator Cover Screws (Part No. PTP-BN11288)
PT-27	PT-27PK1	Normal wear part replacement kit	5 Shear Clips (Part No. PT-301011)
			1 Annular Spring (Part No. PT-301014)
			1 Piston Stop (Part No. PT-301012)
			3 Ball Bearings (Part No. PT-301013)
			1 Piston (Part No. PT-301217)
			2 Piston Rings (Part No. PT-301208)
			1 Nosepiece (Part No. PT-301010)
All	PT-MK1	Tool cleaning kit	1 Cleaning Brush - Wire (Part No. BRUSH 125)
			1 Cleaning Brush 3/4" Diameter (Part No. BRUSH 25)
			1 Cleaning Brush 1/4" Diameter (Part No. BRUSH 75)
			1 PAT Tool Lubricant- 4 oz. spray bottle (Part No. PT-MTL4.0)
			(1) 1/8" Hex Wrench (Part No. MW-18)
			(1) 3/16" Hex Wrench (Part No. MW-316)
All	PT-MTL4.0	Tool lubricant	(1) 5mm Hex Wrench (Part No. MW-5)
			4 oz. spray bottle

This flier reflects information available as of June 1, 2010. This information is updated periodically; contact Simpson Strong-Tie for limited warranty and current product information.

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Simpson Strong-Tie offers a full line of anchors, adhesives, P.A.T. and drill bits for all of your anchoring and fastening applications. Visit our website or request our full line catalog for complete information.

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