



SIMPSON
Strong-Tie
LOW VELOCITY
• This tool is designed for use with Simpson Strong-Tie powder-actuated fasteners only. Do not use with other brands of fasteners.
• You must wear eye protection and a hard hat when using this tool. Failure to do so may result in injury or death.
• Listed below are the applications for which this tool is approved. Do not use for any other application without the approval of Simpson Strong-Tie.
• Usted debe utilizar esta herramienta solo con los tornillos de fijación por impacto de Simpson Strong-Tie.
• Debe utilizar protección ocular y casco cuando utilice esta herramienta. El no hacerlo puede resultar en lesiones graves o la muerte.
• Se listan a continuación las aplicaciones para las que esta herramienta está aprobada. No la utilice para ninguna otra aplicación sin el consentimiento de Simpson Strong-Tie.

Direct Fastening Solutions

Powder-Actuated
Fastening Systems

Premium Powder-Actuated Tool



Fully-Automatic

PTP-27 powder-actuated fastening tools are designed to provide versatility and ease of use on the job site

PTP-27 tools deliver productive fastening with automatic piston reset, which enables the user to simply load and fasten.

Features

- Rotational magazine
- Fix 10 pins before needing to reload
- Adjustable power for fastening versatility: 1–½ power-level range from a single strip
- Operator comfort from cushioned grip, reduced recoil and sound-dampening muffler for quiet operation
- No manual resetting of piston required
- Easy disassembly for cleaning and maintenance



Model number per region:
Australia – PTP-27LMAGRKT; South Africa – PTP-27SMAGR

Key Applications

- Drywall track
- Bottom plate
- HVAC duct straps
- Cold-formed steel
- Formwork

When single-shot

- Conduit clips
- Ceiling clips
- Drywall track
- Metal decking

Specifications

- Fastener length: 16mm–72mm (PTP-27SMAGR: 16mm–32mm)
- Fastener type: 8mm headed fasteners with 3.7mm shank diameter
- Firing action: Fully-automatic
- Load Caliber: .27 strip loads, brown through purple (levels 2–6)
- Length: 500mm (PTP-27SMAGR: 445mm)
- Weight: 4.02kg (PTP-27SMAGR: 3.7kg)

Product Includes

Tool is sold in a rugged tool box complete with:

- Operator's manual
- Spall suppressor
- Safety glasses / ear plugs
- Tool lubricant
- Cleaning brushes
- Operator's exam and caution sign
- Gloves
- Single-shot conversion kit (PTP-27LMAGRKT only)



Simpson Strong-Tie® Powder Loads and Fasteners on page 4



General-Purpose Powder-Actuated Tool

Semi-Automatic

The PT-27 is a high quality semi-automatic and fast-cycling fastening tool



PT-27 tools are engineered for continuous use, high reliability and low maintenance. This versatile tool installs a variety of fastener types and lengths.

Features

- Reliable design
- Operator comfort from cushioned grip and reduced recoil
- Sound dampening muffler for quiet operation
- Fast-cycling
- Easy disassembly for cleaning and maintenance



Key Applications

- Acoustical ceilings
- Electrical applications
- Framing members
- Bottom plates
- Drywall track
- Formwork
- Water proofing material and/or lathing

Specifications

- Fastener length: 16mm–72mm
- Fastener type: 8mm Diameter
- Firing action: Semi-automatic
- Load Caliber: .27 strip loads, brown through red (levels 2–5)
- Length: 340mm
- Weight: 2.32kg

Product Includes

- Tool is sold in a rugged tool box complete with:
- Operator's manual
 - Spall suppressor
 - Safety glasses / ear plugs
 - Tool lubricant
 - Cleaning brushes
 - Operator's exam and caution sign



Simpson Strong-Tie® Powder Loads and Fasteners on page 4



Powder Loads and Fasteners



Powder Loads— .27 Caliber Plastic – 10-shot strip loads

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

Description	Model No.	Box Qty	Carton Qty	Compatible Tools
.27 Cal.—Brown (Level 2)	P27SL2	100	10,000	PT-27, PTP-27LMAGRKT
.27 Cal.—Green (Level 3)	P27SL3	100	10,000	
.27 Cal.—Yellow (Level 4)	P27SL4	100	10,000	
.27 Cal.—Red (Level 5)	P27SL5	100	10,000	
.27 Cal.—Purple (Level 6)	P27SL6	100	10,000	All above except PT-27



Some products may not be available in your region. Please contact your local office for availability.

Metric Fasteners for Simpson Strong-Tie® Powder-Actuated Tools

These fasteners work with Simpson Strong-Tie tools and most other tools. All fasteners have an 8mm head, 3.68mm shank diameter and ballistic points.

PHN Loose drive pins



Length (mm)	Model No.	Box Qty	Carton Qty	Compatible Tools
22	PHN-22	100	1,000	PT-27, PTP-27LMAGRKT <i>(as single-shot version)</i>
27	PHN-27	100	1,000	
32	PHN-32	100	1,000	
37	PHN-37	100	1,000	
42	PHN-42	100	1,000	
47	PHN-47	100	1,000	
52	PHN-52	100	1,000	
57	PHN-57	100	1,000	
62	PHN-62	100	1,000	
72	PHN-72A	100	1,000	

PHSNA Collated drive pins— 10 per strip



Length (mm)	Model No.	Box Qty	Carton Qty	Compatible Tools
16	PHSNA-16K	100	1,000	PTP-27SMAGR, PTP-27LMAGRKT
19	PHSNA-19	100	1,000	
19	PHSNA-19K	100	1,000	
22	PHSNA-22	100	1,000	
27	PHSNA-27	100	1,000	
32	PHSNA-32	100	1,000	PTP-27LMAGRKT
37	PHSNA-37	100	1,000	
42	PHSNA-42	100	1,000	
47	PHSNA-47	100	1,000	
52	PHSNA-52	100	1,000	
57	PHSNA-57	100	1,000	
62	PHSNA-62	100	1,000	
72	PHSNA-72	100	1,000	

PHNW Loose washered pins—25mm metal washer



Length (mm)	Model No.	Box Qty	Carton Qty	Compatible Tools
27	PHNW-27	100	1,000	PT-27, PTP-27LMAGRKT <i>(as single-shot version)</i>
32	PHNW-32	100	1,000	
42	PHNW-42	100	1,000	
52	PHNW-52	100	1,000	
62	PHNW-62	100	1,000	
72	PHNW-72	100	1,000	

Typical Applications

To be used as a guide only—see General Notes

		Level Key				Drywall Track
		2—Brown	3—Green	4—Yellow	5—Red	
For fastening →	Timber (50mm thick)	72	52	42	27	19
	Timber (25mm thick)	62	52	42	27	27
Into ↓	Plywood (19mm tick)	62	32 (washed)	32 (washed)	19	16 (knurled)
	Metal Fixtures/Conduit Clips (Electrical boxes, EMTC, BX straps, etc.)	62	42 (washed)	32 (washed)	19	16 (knurled)

Recommended minimum embedment depth for maximum holding strength: Steel = 12mm; Concrete/Cement Block = 25mm

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 3mm. Getting the point to pass through steel 3mm maximises 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.

Simpson Strong-Tie Australia
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