Powder-Actuated
Fastening Systems

Direct Fastening Solutions

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 and Benefits

- Reliable design for peace of mind on the jobsite
- Safe to handle as tool requires compression against work surface for trigger to be actuated
- Operator comfort from cushioned grip and reduced recoil
- Sound dampening muffler for quiet operation
- Fast-cycling for quick operation
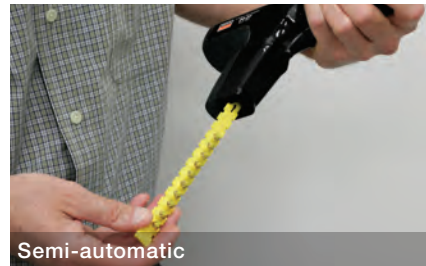- Easy disassembly for cleaning and maintenance

Application

- Mechanical / Electrical / Plumbing
- Timber / Residential Construction
- Framing members
- Drywall track
- Formwork
- Water proofing material and/or lathing

Base Material

- Concrete
- Steel

Specifications

- Firing Action: Semi-automatic
- Load Calibre: .27 strip loads, yellow through red (levels 4–5)
- Length: 340 mm
- Weight: 2.32 kg

Cushioned rubber grip

Semi-automatic

Safe to handle

Fast-cycling

Product Includes

Tool is sold in a rugged tool box complete with:

- Operator's manual
- Spall suppressor
- Safety glasses / ear plugs
- Cleaning brushes
- Operator's exam and caution sign

To find out more information, scan the QR code

Fasteners for Simpson Strong-Tie® Powder-Actuated Tools

These fasteners work with Simpson Strong-Tie tools and most other tools.

PDPA Loose drive pins
- Head: 7.6 mm
- Shank Diameter: 3.98 mm
- Tip: Ballistic point
- Finish: Mechanically galvanised

Length (mm)	Model No.	Barcode	Dims.	100/Box (WxLxH)
				1000/Ctn (WxLxH)
72	PDPA-287MG*	707392512202		115 x 90 x 80 mm 0.90 kg
				190 x 415 x 140 mm 9.00 kg

PDPAW Washered drive pins
- Head: 7.6 mm
- Shank Diameter: 3.98 mm
- Washer: 24 mm
- Tip: Ballistic point
- Finish: Zinc coated

Length (mm)	Model No.	Barcode	Dims.	100/Box (WxLxH)
				1000/Ctn (WxLxH)
72	PDPAWL-287	707392653806		135 x 110 x 105 mm 1.55 kg
				230 x 560 x 160 mm 15.85 kg

PDPAS Collated drive pins
- Head: 7.6 mm
- Shank Diameter: 3.98 mm
- Tip: Ballistic point
- Collation: 10 pins per strip
- Finish: Zinc coated

Length (mm)	Model No.	Barcode	Dims.	100/Box (WxLxH)
				1000/Ctn (WxLxH)
72	PDPAS-287	707392685517		115 x 80 x 80 mm 0.81 kg
				195 x 400 x 130 mm 8.40 kg

*Available for sale but not compatible with the PT-27

Powder Loads — .27 Calibre Plastic, 10-shot strip loads

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

Description	Model No.	Barcode	Dims	100/Box (WxLxH)
				10,000/Ctn (WxLxH)
Yellow (Level 4)	P27SL4/ P27SL4AU*	707392983019/ 707392029960		50 x 180 x 38 mm 0.14 kg
				270 x 390 x 370 mm 14.50 kg
Red (Level 5)	P27SL5/ P27SL5AU*	707392932611/ 707392029977		50 x 180 x 38 mm 0.14 kg
				270 x 390 x 370 mm 14.50 kg

*Please note: To ensure consistent supply, your order may be substituted with our alternative product code of the same high quality.

Spare Parts

Description	Model No.	Contents	Barcode
PT-27 Part Replacement Kit	PT-27PK1	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-301903 2 piston rings — part no. PT-301208 1 nosepiece — part no. PT-301010	707392428305

PT-27PK1

PAT Application Guide — General Notes

1. Average pin embedment into concrete is 19–32 mm.
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 3 mm. Getting the point to pass through steel 3 mm 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.