Powder-Actuated Tool / Fastener Suitability

This matrix matches Simpson Strong-Tie powder-actuated tools with the fasteners typically used with each tool.

✓ = Suitable
— = Not suitable

Fasteners		General-Purpose Tools			
		PTP-27L	PT-27	PT-22A	PT-22HA
0.300"-Headed Fasteners with 0.157" Shank Diameter					
PDPA-XXX		✓	✓ Max. 2½"	✓	✓
PDPAWL-XXX		✓	✓	✓	✓
PDPAS-XXX		—	—	—	—
PDPAT-XXX		✓	✓	✓	✓
PCLDPA-XXX		✓	✓	✓	✓
PECLDPA-XXX		✓	✓	✓	✓
PTRHA3-XXX		✓	✓	✓	✓
0.300"-Headed Fasteners with 0.145" Shank Diameter					
PINW-XXX		✓	✓	✓	✓
PINWP-XXX		✓	✓	✓	✓
PHBC-XXX		✓	✓	✓	✓
PCC-XXX		✓	✓	✓	✓
PBXDP-100		✓	✓	✓	✓
8 mm-Headed Fasteners					
PKP-250		✓	✓	✓	✓
⅜"-Headed Fasteners / Threaded Studs					
PSLV3-XXX		—	—	—	—

See **strongtie.com** for more tool and fastener product information.

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Powder-Actuated Tools, Fasteners and Loads

SIMPSON Strong-Tie

	Simpson Strong-Tie Powder-Actuated Tools			
	PTP-27L	**PT-27**	**PT-22A**	**PT-22HA**
Load Caliber	0.27 cal strip loads	0.27 cal strip loads	0.22 cal "A" crimp	0.22 cal "A" crimp
Load Power Level	Brown (2) – Purple (6)	Brown (2) – Red (5)	Brown (2) – Yellow (4)	Brown (2) – Yellow (4)
Firing Action	Automatic	Semi-automatic	Single shot	Single shot
Features	Adjustable Power	Professional Grade	Economical	DIY

PDPA Drive Pins

- Manufactured with tight tolerances for superior performance
- Code listed per ICC-ES ESR-2138; City of L.A. RR25469; Florida FL15730

All pins/loads available in 100 count boxes. See **strongtie.com** or product guide (S-A-PG) for additional information.

Drive Pin
0.157" Shank Diameter
0.300" Head Diameter

Model No.	Pin Length (in.)
PDPA-50	½
PDPA-50K	½ knurled
PDPA-62K	⅝ knurled
PDPA-75	¾
PDPA-100	1
PDPA-106	1 1/16
PDPA-125	1¼
PDPA-131	1 5/16
PDPA-150	1½
PDPA-187	1⅞
PDPA-200	2
PDPA-250	2½
PDPA-287	2⅞

These models available in mechanically galvanized Class 65 finish (PDPA-200MG, PDPA-250MG and PDPA-287MG).

PDPA

Drive Pin with Washer
0.157" Shank Diameter
0.300" Head Diameter
1" Washer Diameter

Model No.	Pin Length (in.)
PDPAWL-50K	½ knurled
PDPAWL-75	¾
PDPAWL-100	1
PDPAWL-125	1¼
PDPAWL-150	1½
PDPAWL-187	1⅞
PDPAWL-200	2
PDPAWL-225	2¼
PDPAWL-250	2½
PDPAWL-287	2⅞

These models available in mechanically galvanized Class 65 finish (PDPAWL-200MG, PDPAWL-250MG and PDPAWL-287MG).

PDPAWL

Collated Drive Pin
0.157" Shank Diameter
0.300" Head Diameter
(10-Pin Collation)

Model No.	Pin Length (in.)
PDPAS-50K	½ knurled
PDPAS-62K	⅝ knurled
PDPAS-75	¾
PDPAS-100	1
PDPAS-125	1¼
PDPAS-150	1½
PDPAS-187	1⅞
PDPAS-200	2
PDPAS-250	2½
PDPAS-287	2⅞

PDPAS

Drive Pin with Tophat
0.157" Shank Diameter
0.300" Head Diameter

Model No.	Pin Length (in.)
PDPAT-50K	½ knurled
PDPAT-62KP	⅝ knurled
PDPAT-75	¾
PDPAT-100	1

K — Knurled

KP — Knurled, point protrusion to aid in hole location

PDPAT

Pre-Assembled Ceiling Clips
0.157" Shank Diameter
0.300" Head Diameter

Model No.	Pin Length (in.)
PCL	—
PCLDPA-87	⅞
PCLDPA-106	1 1/16
PCLDPA-131	1 5/16
PECLDPA-106	1 1/16
PECLDPA-131	1 5/16

PCL

PCLDPA

PECLDPA

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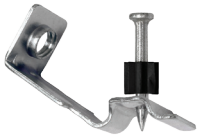
Powder-Actuated Tools, Fasteners and Loads

Threaded Rod Hanger
0.145" Shank Diameter
0.300" Head Diameter

Model No.	Pin Length (in.)
PTRHA4-131	1 5/16, 1/4 – 20 threaded rod hanger
PTRHA3-131	1 5/16, 3/8 – 16 threaded rod hanger



PTRHA

Insulation Metal Washer
0.145" Shank Diameter
0.300" Head Diameter
1 7/16" Washer Diameter

Model No.	Pin Length (in.)
PINW-150	1 1/2
PINW-200	2
PINW-250	2 1/2
PINW-300	3

PINW

Insulation Plastic Washer
0.145" Shank Diameter
0.300" Head Diameter
1 3/8" Washer Diameter

Model No.	Pin Length (in.)
PINWP-150W	1 1/2
PINWP-175W	1 3/4
PINWP-200W	2
PINWP-250W	2 1/2
PINWP-300W	3

PINWP

Highway Basket Clip
0.145" Shank Diameter
0.300" Head Diameter

Model No.	Pin Length (in.)
PHBC-150	1 1/2
PHBC-200	2
PHBC-250	2 1/2

PHBC

Pre-Assembled BX Cable Straps and Conduit Clips
0.145" Shank Diameter
0.300" Head Diameter

Model No.	Description
PBXDP-100	BX cable strap with 1" pin
PCC50-DP100	Conduit clip 1/2" EMT with 1" pin
PCC75-DP100	Conduit clip 3/4" EMT with 1" pin
PCC100-DP100	Conduit clip 1" EMT with 1" pin

PBXDP

PCC

3/8"-16 Threaded Studs
0.205" Shank Diameter

Model No.	Pin Length (in.)
PSLV3-12575K	Thread: 1 1/4 Shank: 3/4 (knurled)
PSLV3-125100	Thread: 1 1/4 Shank: 1
PSLV3-125125	Thread: 1 1/4 Shank: 1 1/4

PSLV3

Concrete Forming Pin
0.145" Shank Diameter
0.187" Head Diameter

Model No.	Pin Length (in.)
PKP-250	2 1/2

PKP

Hammer Drive Fastener
0.140" Shank Diameter
0.250" Head Diameter
3/8" Metal Washer

Model No.	Pin Length (in.)
PHD-75	3/4
PHD-100	1
PHD-125	1 1/4

PHD

PHT-38
Manual Hammer Tool

1. Designed for use with PHD fastener.
2. **Warning:** Do not use powder loads with this tool. This is a hammer drive tool only. Use of powder loads with this tool may result in injury or death.

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Powder-Actuated Tools, Fasteners and Loads

0.22-Caliber "A" Crimp Loads — Single Shot

Model No.	Caliber	Load	
		Color	Level
P22AC2	0.22	Brown	2
P22AC2A			
P22AC3		Green	3
P22AC3A			
P22AC4		Yellow	4
P22AC4A			

Note: An "A" in a part number denotes imported load.
No "A" indicates a domestic load.

P22AC

0.27-Caliber Single-Shot Loads — Long

Model No.	Caliber	Load	
		Color	Level
P27LVL4	0.27	Yellow	4
P27LVL5		Red	5
P27LVL6		Purple	6

P27LVL

0.27-Caliber Plastic, 10-Shot Strip Loads

Model No.	Caliber	Load	
		Color	Level
P27SL2	0.27	Brown	2
P27SL2A			
P27SL3		Green	3
P27SL3A			
P27SL4		Yellow	4
P27SL4A			
P27SL5		Red	5
P27SL5A			
P27SL6		Purple	6

Note: An "A" in a part number denotes imported load.
No "A" indicates a domestic load.

P27SL

0.25-Caliber Plastic, 10-Shot Strip Loads

Model No.	Caliber	Load	
		Color	Level
P25SL3	0.25	Green	3
P25SL4		Yellow	4
P25SL5		Red	5

P25SL

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