

Powder-Actuated Tool / Fastener Suitability

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

Direct Fastening Solutions

Fasteners		General-Purpose Tools			
		PTP-27L 	PT-27 	PT-22A-RB 	PT-22HA-RB 
0.300"-Headed Fasteners with 0.157" Shank Diameter					
PDPA-XXX		Max. 2½"	Max. 2½"	Max. 2½"	Max. 2½"
PDPAWL-XXX		Max. 3"	3"	Max. 2½"	Max. 2½"
PDPAS-XXX					
PDPAT-XXX		✓	✓	✓	✓
PCLDPA-XXX		✓	✓	✓	✓
PECLDPA-XXX		✓	✓	✓	✓
PTRHA3-XXX		✓	✓	✓	✓
0.300"-Headed Fasteners with 0.145" Shank Diameter					
PINW-XXX		✓	✓	✓	✓
PINWP-XXX		3"	Max. 2½"	Max. 2½"	Max. 2½"
PHBC-XXX		✓	✓	✓	✓
PCC-XXX		✓	✓	✓	✓
PBXDP-100		✓	✓	✓	✓
0.250"-Headed Fasteners with 0.140" Shank Diameter					
PHD-XXX					
8 mm-Headed Fasteners					
PKP-250		✓	✓	✓	✓
⅜"-Headed Fasteners / Threaded Studs					
PSLV3-XXX					

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

Powder-Actuated Tools, Fasteners and Loads

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.

0.300"-Headed Fasteners with 0.157" Shank Diameter

Length (in.)	Model No.
1/2	PDPA-50
1/2 knurled	PDPA-50K
5/8 knurled	PDPA-62K
3/4	PDPA-75
1	PDPA-100
1 1/16	PDPA-106
1 1/4	PDPA-125
1 5/16	PDPA-131
1 1/2	PDPA-150
1 7/8	PDPA-187
2	PDPA-200
2 1/2	PDPA-250
2 7/8	PDPA-287

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



PDPA

0.300"-Headed Fasteners with 0.157" Shank Diameter and 1" Metal Washers

Length (in.)	Model No.
1/2	PDPAWL-50
1/2 knurled	PDPAWL-50K
3/4	PDPAWL-75
1	PDPAWL-100
1 1/4	PDPAWL-125
1 1/2	PDPAWL-150
1 7/8	PDPAWL-187
2	PDPAWL-200
2 1/4	PDPAWL-225
2 1/2	PDPAWL-250
2 7/8	PDPAWL-287

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



PDPAWL

0.300"-Headed Fasteners with 0.157" Shank Diameter — 10-Pin Collation

Length (in.)	Model No.
1/2	PDPAS-50
1/2 knurled	PDPAS-50K
5/8 knurled	PDPAS-62K
3/4	PDPAS-75
1	PDPAS-100
1 1/4	PDPAS-125
1 1/2	PDPAS-150
1 7/8	PDPAS-187
2	PDPAS-200
2 1/2	PDPAS-250
2 7/8	PDPAS-287



PDPAS

0.300"-Headed Tophat Fasteners with 0.157" Shank Diameter

Length (in.)	Model No.
1/2 knurled	PDPAT-50K
5/8 knurled	PDPAT-62K
3/4	PDPAT-75
1	PDPAT-100



Point sticks for ease of hole location.

PDPAT

Pre-Assembled Ceiling Clips — 0.300"-Headed Fasteners with 0.157" Shank Diameter

Length (in.)	Model No.
7/8	PCLDPA-87
1 1/16	PCLDPA-106
1 5/16	PCLDPA-131
1 1/4	PECLDPA-106
1 5/8	PECLDPA-131



PCLDPA



PECLDPA

Powder-Actuated Tools, Fasteners and Loads

Direct Fastening Solutions

Threaded Rod Hangers
— 0.300"-Headed
Fasteners with
0.157" Shank Diameter

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



0.300"-Headed
Fasteners with 0.145"
Shank Diameter and
1 7/16" Metal Washers

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



0.300"-Headed Fasteners
with 0.145" Shank
Diameter and 1 3/8"
Plastic White Washers

Length (in.)	Model No.
1	PINWP-100W
1 1/2	PINWP-150W
1 3/4	PINWP-175W
2	PINWP-200W
2 1/2	PINWP-250W
3	PINWP-300W

These models available with inverted plastic washer (PINWP-150MF and PINWP-250MF).



Highway Basket Clips
— 0.300"-Headed
Fasteners with
0.145" Shank Diameter

Description	Model No.
Clip with 1 1/2" pin	PHBC-150
Clip with 2" pin	PHBC-200
Clip with 2 1/2" pin	PHBC-250



Pre-Assembled BX
Cable Straps and
Conduit Straps —
0.300"-Headed
Fasteners with 0.145"
Shank Diameter

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



3/8" — 16 Threaded Studs*

Length (in.)	Model No.
3/8" — 16 knurled (T-1 1/4, S-3/4)	PSLV3-12575K
3/8" — 16 (T-1 1/4, S-1)	PSLV3-125100
3/8" — 16 (T-1 1/4, S-1 1/4)	PSLV3-125125

*Shank diameter is 0.205".
Note: T = thread length,
S = shank length.



Concrete Forming Pin —
0.187"-Headed with
0.145" Shank Diameter

Length (in.)	Model No.
3/16 x 2 1/2 concrete forming pin	PKP-250

Note: Lengths in inches are for reference only and may not be exact.



1/4"-Headed Hammer
Drive Fastener with
3/8" Metal Washer

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



PHT-38
Manual Hammer Tool
(not for use with powder loads)



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.

Powder-Actuated Tools, Fasteners and Loads

0.22-Caliber "A" Crimp Loads — Single Shot

Description	Model No.
0.22 cal. — Brown (Level 2)	P22AC2
	P22AC2A
0.22 cal. — Green (Level 3)	P22AC3
	P22AC3A
0.22 cal. — Yellow (Level 4)	P22AC4
	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

Description	Model No.
0.27 cal. — Yellow (Level 4)	P27LVL4
0.27 cal. — Red (Level 5)	P27LVL5
0.27 cal. — Purple (Level 6)	P27LVL6



P27LVL

0.27-Caliber Plastic, 10-Shot Strip Loads

Description	Model No.
0.27 cal. — Brown (Level 2)	P27SL2
	P27SL2A
0.27 cal. — Green (Level 3)	P27SL3
	P27SL3A
0.27 cal. — Yellow (Level 4)	P27SL4
	P27SL4A
0.27 cal. — Red (Level 5)	P27SL5
	P27SL5A
0.27 cal. — Purple (Level 6)	P27SL6

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

Description	Model No.
0.25 cal. — Green (Level 3)	P25SL3
0.25 cal. — Yellow (Level 4)	P25SL4
0.25 cal. — Red (Level 5)	P25SL5



P25SL