

Power Tools

ProSet® 1600

Compact, lightweight and reliable pneumatic/hydraulic power tool, ideal for production line environments.

For setting rivets from 2.0mm and 3/32" - 5/32" (2.4-4.0mm). High force to weight ratio and innovative ergonomic design for maximum user efficiency and comfort.

Features and Benefits

- Lightweight robust construction
- Comfortable two finger, low activation force trigger
- Directionable air exhaust
- Quick disconnect front-end assembly & Stem Collection System (MCS)
- Spring return for a reliable fast setting cycle
- Energy saving On/Off, left or right swivel air fitting
- Rivet Presenter compatible
- Suitable for use with Remote Stem Collection System (MCS5000)
- Air-isolation switch during MCS removal

Specifications ProSet® 1600MCS

Weight	2.29 lb (1.04 kg)
Length	10.71 in (272 mm)
Height	8.94 in (227 mm)
Tool stroke	0.71 in (18 mm)
Working air pressure	72.5 - 100 psi (5.0 - 6.9 bar) dry, filtered
Pulling force	1,090 lb @ 90 psi (4,850 N @ 6.2 bar)
Force/Weight ratio	476 lbf/lb (4.6 kN/kg)
Air consumption	2.47 scfm (max) [70 liters/min (max)]



Optional Accessories

Part Number	Description
PRN214	Nosepiece for 2.0 mm Micro Rivets
PRG402-02	Jaws for 2.0 mm Micro Rivets
FA203-408	Adaptor Kit for MCS5000 (remote MCS)
FAN239-177	Stem Collection System Retrofit Kit
RP4-486 Rivet	Rivet Presenter Receptacle

Optional Special Front Ends

FAN239-174	Front End 5" Length Extension Kit
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Extended Nose Housing

Nosepieces & Jaws

Power Tools

POP Avdel Power Tools are designed to be easily maintained. The full range of spare parts is available - see the tool manuals for details. To order replacement nosepieces, jaws and jaw pushers, select from the list below.

Note: Part Numbers marked with ¹⁾ are supplied with the tool.

ProSet® 1600 Series

Rivet Diameter		Open End, Avex®, Stavex®, Q Rivet, Bulbex®	Nosepieces - Rivet Types		Avibulb®, Avinox®	Jaws	Jaw Pusher
			Closed End				
in	mm		Part No.	Steel Stem Part No.		Aluminum Stem Part No.	Part No.
	2.0	PRN214	-	-	-	PRG402-02	FAN239-176 ¹⁾
3/32"	2.4	PRN314 ¹⁾	-	-	-	PRG402-8A ¹⁾	FAN239-176 ¹⁾
1/8"	2.8 - 3.2	PRN414 ¹⁾	PRN424	PRN434	PRN4HR	PRG402-8A ¹⁾	DPN239-144 ¹⁾
5/32"	4.0	PRN514 ¹⁾	PRN524	PRN534	-	PRG402-8A ¹⁾	DPN239-144 ¹⁾

1) Item supplied with the tool

ProSet® 2500 Series

Rivet Diameter		Open End, Avex®, Stavex®, Q Rivet, Bulbex®, Interlock®	Nosepieces - Rivet Types			Jaws	Jaw Pusher
			Closed End		Avibulb®, Avinox®		
in	mm		Part No.	Steel Stem Part No.		Aluminum Stem Part No.	Part No.
	2.0	PRN214	-	-	-	PRG402-02	FAN239-172
3/32"	2.4	PRN314	-	-	-	PRG402-8A	FAN239-172
1/8"	2.8 - 3.2	PRN414 ¹⁾	PRN424	PRN434	PRN4HR	13300 ¹⁾	FAN275-028 ¹⁾
5/32"	4.0	PRN514 ¹⁾	PRN524	PRN534	PRN5HR*	13300 ¹⁾	FAN275-028 ¹⁾
3/16"	4.8	PRN614 ¹⁾	PRN624	PRN624	PRN6HR	13300 ¹⁾	FAN275-028 ¹⁾

1) Item supplied with the tool

*Use DPN275-027 Jaw pusher

Note: When installing Monobolt, use N-410 nose piece for 3/16"

ProSet® 3400 Series

Rivet Diameter		Open End, Avex®, Stavex®, Q Rivet, Bulbex®, Interlock®	Nosepieces - Rivet Types			Jaws	Jaw Pusher
			Closed End		Avibulb®, Avinox®, Hemlok®		
in	mm		Part No.	Steel Stem Part No.	Aluminum Stem Part No.	Part No.	Part No.
1/8"	2.8 - 3.2	PRN414 ¹⁾	PRN424	PRN434	PRN4HR	PRG540-46 ¹⁾	FAN276-064 ¹⁾
5/32"	4.0	PRN514 ¹⁾	PRN524	PRN534	PRN5HR	PRG540-46 ¹⁾	FAN276-064 ¹⁾
3/16"	4.8	PRN614 ¹⁾	PRN624	PRN534	PRN6HR	PRG540-46 ¹⁾	DPN276-006 ¹⁾
1/4"	6.4	PRN811* ¹⁾	PRN822	-	#	PRG540-44 ¹⁾	DPN276-006 ¹⁾

1) Item supplied with the tool

*Except Stavex

Must use ProSet 3400-8HT Base tool for 1/4" Stavex, Avibulb, Avinox, Hemlok; utilizes different nosepiece/jaw pusher combination

Note: When installing Monobolt, use N-410 nose piece for 3/16" and N-414 for 1/4"

Nosepieces & Jaws

510A Series

Rivet Diameter		Open End, Avex®, Stavex® Part No.	Nosepieces - Rivet Types		Avibulb®, Avinox® Part No.	Jaws	Jaw Pusher	
in	mm		Closed End			Part No.	Part No.	Part No.
			Steel Stem Part No.	Aluminum Stem Part No.				
	2.0	PRN214	-	-	-	PRG402-02	PRG520-33 ¹⁾	
3/32"	2.4	PRN314	-	-	-	PRG402-8A ¹⁾	PRG520-33 ¹⁾	
1/8"	2.8 - 3.2	PRN414 ¹⁾	PRN424	PRN434	PRN4HR	PRG402-8A ¹⁾	PRG520-33 ¹⁾	
5/32"	4.0	PRN514 ^{*1)}	PRN524	PRN534	PRN5HR	PRG402-8A ¹⁾	PRG520-33 ¹⁾	
3/16"	4.8	PRN614 ^{**1)}	PRN624	-	-	PRG402-8A ¹⁾	PRG520-33 ¹⁾	

1) Item supplied with the tool

*Except stainless steel rivets ** Except steel and stainless steel rivets and all Avex & Stavex rivets materials

540 Series

Rivet Diameter		Open End, Avex®, Stavex®, Q Rivet, Bulbex®, Interlock®	Nosepieces - Rivet Types			Avibulb®, Avinox®	Jaws	Jaw Pusher
			Closed End					
in	mm		Part No.	Steel Stem Part No.	Aluminum Stem Part No.		Part No.	Part No.
1/8"	2.8 - 3.2	PRN414 ¹⁾	PRN424	PRN434	PRN4HR	PRG540-46 ¹⁾	PRG14 ¹⁾	
5/32"	4.0	PRN514 ¹⁾	PRN524	PRN534	PRN5HR	PRG540-46 ¹⁾	PRG14 ¹⁾	
3/16"	4.8	PRN614 ¹⁾	PRN624	PRN634	PRN6HR	PRG540-46 ¹⁾	PRG14 ¹⁾	
1/4"	6.4	PRN811 ^{*1)}	PRN822	-	#	PRG540-44 ¹⁾	PRG740-7A ¹⁾	

1) Item supplied with the tool

*Except Stavex

Must use ProSet 3400-8HT Base tool for 1/4" Stavex, Avibulb, Avinox, Hemlok; utilizes different nosepiece/jaw pusher combination

Note: When installing Monobolt, use N-410 nose piece for 3/16" and N-414 for 1/4"

5250A Series

Rivet Diameter		Open End, Avex®, Stavex®, Q Rivet, Bulbex®, Interlock®	Nosepieces - Rivet Types			Jaws	Jaw Pusher
			Closed End		Avibulb®, Avinox®		
in	mm		Part No.	Steel Stem Part No.		Aluminum Stem Part No.	Part No.
1/8"	2.8 - 3.2	PRN414 ¹⁾	PRN424	PRN434	PRN4HR	PRG540-46 ¹⁾	PRG520-33 ¹⁾
5/32"	4.0	PRN514 ¹⁾	PRN524	PRN534	PRN5HR	PRG540-46 ¹⁾	PRG520-33 ¹⁾
3/16"	4.8	PRN614 ¹⁾	PRN624	PRN634	-	PRG540-46 ¹⁾	PRG520-33 ¹⁾

1) Item supplied with the tool