# POP®

# ProSet® 3400

## The lightweight tool with heavyweight force

## Features & Benefits

### Performance
- High force-to-weight ratio
- Quick disconnect nose housing
- Quick disconnect jaw case
- Quick disconnect Mandrel Collection System
- Spring return for a reliable fast setting cycle

### Ergonomic
- Lightweight, strong polymer construction
- Comfortable two finger, low activation force trigger
- Directionable air exhaust (MCS model)
- On/Off, left or right swivel air fitting

### Adaptability
- **POP®** Rivet Presenter (RP) compatibility
- **POP®** Remote Mandrel Collection System (MCS5000)
- **POP®** Speciality Heads

### Safety
- Air-isolation during MCS removal

**The lightweight ProSet® 3400 rivet tool is the heavyweight of the ProSet® family.** Designed specifically to set a wide range of blind rivets, including 6.4 mm High Strength and Stainless Steel, the tool delivers 18.5 kN of pulling force with a "highest in class" force-to-weight ratio of 9.7 kN/kg.

The 3400 tool features many innovative high performance features including a patented "Quick Disconnect" nose housing and jaw case for rapid cleaning and maintenance of the front end of the tool without the need for tools. With the 3400 "Quick Disconnect" Mandrel Collection System (MCS), mandrels are safely collected and can be quickly disposed of, maintaining cleaner work areas. An air-isolation switch on the MCS prevents air flow when the MCS is disconnected and allows mandrels to be disposed of safely. The tough aluminum casing enhances the life of the tool.

A left or right 90° swivel air fitting ensures the tool can be adapted to virtually any workstation configuration, while the "on/off" switch minimises air consumption. A spring return ensures fast, reliable setting cycles. An extended 200 mm front end is also available for extra reach in special setting situations.

The ProSet® 3400 is also compatible with other Emhart Teknologies automation systems including the Remote Mandrel Collection System (MCS) and the POP® Rivet Presenter (RP). The 3400 will set 3.2 mm, 4.0 mm, 4.8 mm and 6.4 mm diameter rivets in all materials including stainless steel high strength structural rivets.

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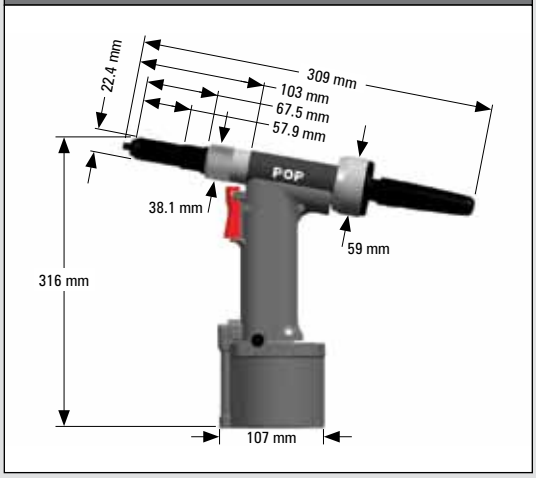
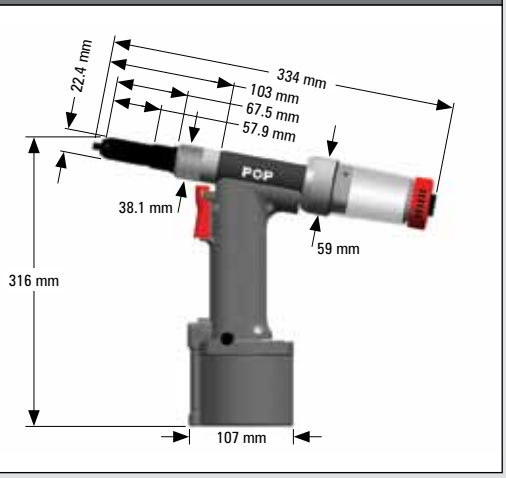
# POP® ProSet® 3400 Rivet Tool

| | ProSet® 3400 | ProSet® 3400 MCS |
|---|---|---|
| |  |  |
| **Weight** | 1.90 kg | 2.00 kg |
| **Length** | 309 mm | 334 mm |
| **Height** | 316 mm | 316 mm |
| **Tool Stroke** | 26 mm | 26 mm |
| **Pulling Force** | 18,500 N @ 6.2 bar | 18,500 N @ 6.2 bar |
| **Force/Weight Ratio** | 9.7 kN/kg | 9.2 kN/kg |
| **Air Consumption** | 4.86 litres/rivet | 80 litres/min (max) |

## Rivet Capacity

| Rivet Type | Material (Body – Mandrel) | Rivet Diameter | | | |
|---|---|---|---|---|---|
| | | 3.2 mm* | 4.0 mm* | 4.8 mm** | 6.4 mm† |
| **Open End & Multi-Grip™** | Aluminium – Aluminium | ✓ | ✓ | ✓ | ✓ |
| | Aluminium – Steel/St. Steel | ✓ | ✓ | ✓ | ✓ |
| | Steel – Steel | ✓ | ✓ | ✓ | ✓ |
| | St. Steel – St. Steel | ✓ | ✓ | ✓ | ✓ |
| | Monel – Steel/St. Steel | ✓ | ✓ | ✓ | ✓ |
| **Closed End** | Aluminium – Aluminium | ✓ | ✓ | ✓ | ✓ |
| | Aluminium – Steel/St.Steel | ✓ | ✓ | ✓ | ✓ |
| | Copper – Steel | ✓ | ✓ | ✓ | ✓ |
| | Steel – Steel | ✓ | ✓ | ✓ | ✓ |
| | St. Steel – St. Steel | ✓ | ✓ | ✓ | ✓ |
| **LSR Rivets** | Aluminium – Aluminium | ✓ | ✓ | ✓† | |
| **HR™ Rivets** | Steel – Steel | ✓ | ✓ | ✓† | |
| **F Series** | Aluminium – Aluminium | | | | ✓ |
| | Steel – Steel | | | | ✓ |
| **T Rivet** | Aluminium – Steel | ✓ | ✓ | ✓† | ✓ |
| **Self Plugger** | Steel – Steel | ✓ | ✓ | ✓† | ✓ |
| **UltraGrip™** | Aluminium – Aluminium | | | ✓† | ✓ |
| | Steel – Steel | | | ✓† | ✓ |
| | St. Steel – St. Steel | | | ✓† | ✓ |

* *Use PRG540-46 Jaws with FAN276-064 Jaw Pusher setup*
** *Use PRG540-46 Jaws and DPN276-006 Jaw Pusher setup*
† *Use PRG540-44 Jaws and DPN276-006 Jaw Pusher setup*

*NOTE: St. Steel = Stainless Steel*

## Optional Accessories

| Part Number | Description |
|---|---|
| FA203-408 | MCS5000 Adaptor Kit for 4, 5, 6 size rivets |
| FA203-414 | MCS5000 Adaptor Kit for 8 size rivets |
| FAN276-075 | ProSet® 3400 200 mm Extension Kit |
| FAN276-152 | ProSet® 3400 Seal Kit |
| FAN276-165 | Mandrel Collection System Retrofit Kit |
| PRH840-3400 | PRH840 Corner Head Adaptor |
| PRH850-3400 | PRH850 Corner Head Adaptor |
| RP4-501 | RP4/RP5 Receptacle |
| RP6-501 | RP6 Receptacle |

Corner Head

MCS Retrofit Kit

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