

# PRO SPOT

QUALITY WELDING SYSTEMS

## PR-5 Multi-Function Riveting System

### SMART

Will not perform a bad rivet. Onboard system performs the same strength pressure (regardless of battery level) with full, half full, or almost empty battery. Battery voltage does not affect the force power.

# NEW!

## Quick Connect Arm System



### ALL IN ONE

for all your riveting needs

- SPR
- Flow Form
- Blind
- Removal
- Flattening
- Punching



The PR-5 self-piercing rivets join two or more pieces of material with the use of extreme pressure and precision machined punch and die sets. The punches are magnetic to hold the rivets in place, making operation quick and easy. The dies complete the process and prevent the rivet from punching through the last layer of material. This allows you to join different materials such as: aluminum, steel, plastic and more.

Totally portable

Battery operated (lithium ion)  
Electric/Hydraulic System

# Riveter PR-5

## Rivet Gun System

The Pro Spot PR-5 is designed to be the tool of today and tomorrow. The unique design allows for current attachments and adapters for various riveting applications. As the industry and repair demands change, the PR-5 design will allow future attachments to easily be added, making it the one-stop shop for rivet repair.

### Applications:

- Self Piercing Rivets
- Solid Rivets
- Blind Rivets
- Flow Form Rivets
- Rivet Studs
- Rivet Nuts



### Features:

- Easy to Use
- Used for Self-Piercing, Flattening and Rivet Removal
- Magnetic Punches Hold Rivets In Place
- Non-Thermal Joining Process
- Smart Trigger System
- Portable, Battery Operated

### Technical Specifications

Performance Specs: Force Range: 20-50KN  
Travel: 45mm  
Typ. Cycle Time: 3-5 sec

Power Source: 18V Battery (2ea)  
Charging Time: 2 Hrs  
Cycles/Charge: ~350 rivets

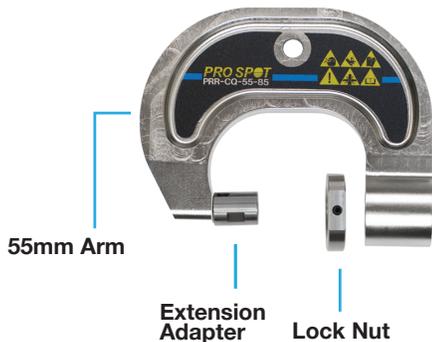
Standard Accessories: Die Set for:  
SPR, SPR Removal, Flattening  
Calibrate Hole, Flow Form  
55mm C-Arm

Optional Accessories: Pull Adapter  
120mm depth Arm  
240mm depth Arm  
Custom Sized Arms



**Easy Maneuvering Handle**  
Removable handle designed to easily balance and maneuver the Rivet Gun. The handle can be moved and used on either side.

## Multi-Function Riveting System



55mm Arm

Extension Adapter

Lock Nut

**Quick Change**  
Designed to quickly and easily change from one arm to another, saving time and hassle.



**Force Adjustment Knob**  
Set the final pushing force (range: 5kN [1,100lbs] to 50kN [11,000lbs]).

Release Button

**Battery Operated**  
No hassle, no hoses and no cords. Uses 18V lithium-ion battery. On-board SMART system always provides correct hydraulic pressure regardless of battery voltage level.

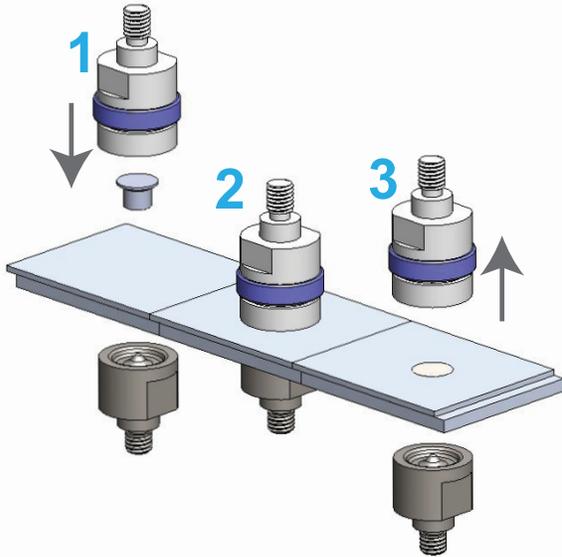
**SMART Trigger**  
Pause forward motion by releasing the trigger, very useful when fine adjustments of alignment are needed. Air/hydraulic systems don't have this feature.

The final force is NOT dependent on the charge level of the battery. Over 200 rivets per charge.

# Enhanced Rivet Gun Accessories

## Application Procedures

### Installing SPR's (Self Piercing Rivets)



1. Align the removal dies in the center of SPR.
2. Complete pressure cycle so the male rivet die pushes the SPR through the base materials into the forming die.
3. Proceed to next rivet.

### New features include:

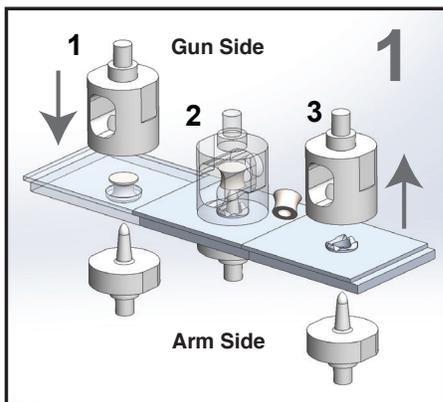
#### Enhanced Removal Die

The new removal die provides more robust removal of longer rivets (10mm), eliminating jamming and breaking where the previous SPR rivet was located. Using this system, SPR rivets can be removed in a fraction of the time it would take to drill out.

#### FLOW FORM RIVETS

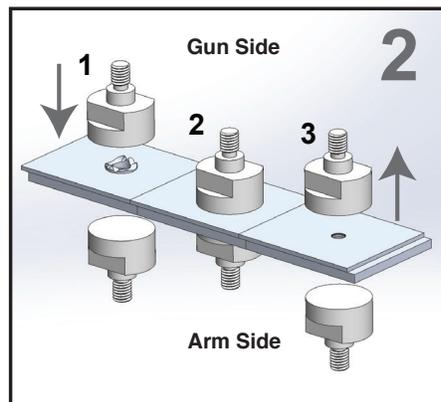
In areas where you cannot fit an adjacent SPR or where repair procedures don't allow it, Flow Form Rivets are the answer. Becoming more popular in repair procedures, Flow Form uses a calibration punch, which allows a Flow Form Rivet to be installed in the same location as the original joint.

### Pro Spot's New Flow Form Rivet Process:



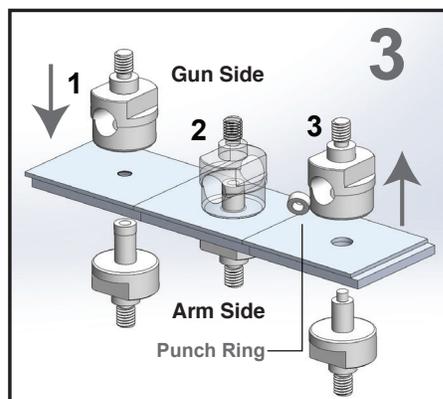
#### Removal

1. Align the removal dies in the center of SPR.
2. Complete pressure cycle so the male rivet die pushes the SPR into the receiving die.
3. The rivet is now extracted.



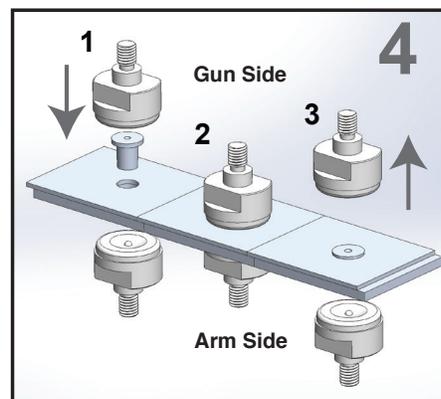
#### Flattening Procedure

1. Align the flattening dies in the center of hole.
2. Complete pressure cycle so the flattening dies compress the edges of the hole.
3. The area is now flattened.



#### Punch Calibration Procedure

1. Align the calibration dies in the center of hole.
2. Complete pressure cycle to make exact hole size and collect the punch ring for reuse.
3. The hole is now ready for Flow Form rivet installation.



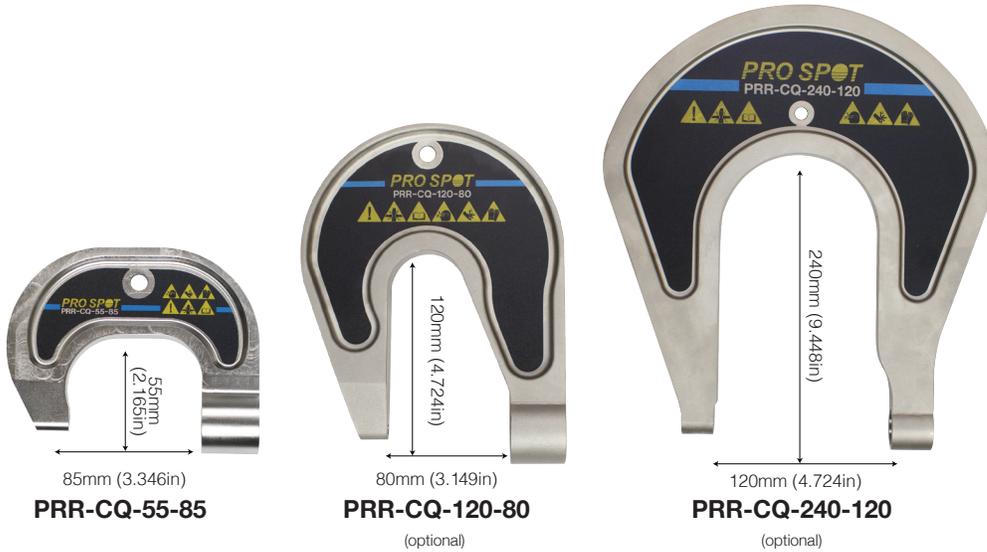
#### Installation of Flow Form rivets/solid rivets

1. Align the dies in the center of rivet.
2. Complete pressure cycle so the Flow Form rivet is formed.
3. The installation of the Flow Form rivet is now completed.

# PR-5 Options

## Optimized Extended Reach Arms

Pro Spot's new Rivet Gun Arms have been redesigned to be more efficient, ergonomic and more accessible.



## Blind Rivet Adapter

Blind rivet Adapter is optional



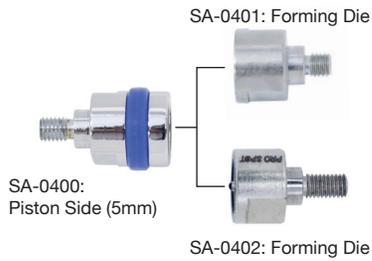
(optional)

- Adapts to Rivet Gun in 30 sec.
- Pivots to any desired position
- Enclosed Internal Hydraulic System

Patent Pending

## Rivet Dies

### For Self-Piercing Rivets



### For Removing Rivets



### For Flow Form

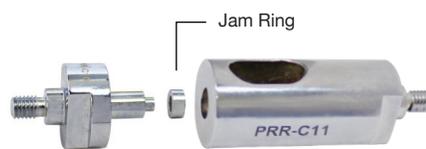


### For Flattening



PR-5 Die Kit

### For Calibration Punch



PR-5 Complete System Comes With A Case



+1 760-407-1414



info@prospot.com



www.prospot.com



Pro Spot International, Inc. U.S.A. 5932 Sea Otter Place Carlsbad, CA 92010

Toll Free (US Only): (877) PROSPOT