

CAR-O-LINER®

PNP90 & PNP90 XT²
PRECISE CONTROL

UNIVERSAL & EXPANDABLE

OEM BASED UNIVERSAL RIVETING SYSTEM

PNP90 AND PNP90 XT² RIVETING TOOLS ARE THE PERFECT SOLUTIONS FOR COMPLETING ALL OEM HOMOLOGATED BLIND RIVET AND SPR RIVETING OPERATIONS IN A SINGLE SYSTEM.

MANDREL KITS

45709
BMW



48151
Jaguar/Landrover



48188
Ford



48161
Volkswagen/Audi



48416
PNP 90 Rivet Gun Basic Kit, exc. case



CLAMPS

48080 PNP90 XT² 10 Ton NB 130
48081 PNP90 XT² 10 Ton NB 240



NB 240



NB 130

45711 PNP 90 6 Ton NB 115, inc. case
45712 PNP 90 6 Ton NB 230, inc. case



NB 115



NB 230

48210 COMPLETE STORAGE

with Tool Management Foam Cut-Outs the specially designed cart holds all the equipment you require — add more capabilities and OEM mandrels as the needs arise. Each drawer is fitted with custom designed foam inserts to manage all tools, parts and supplies in their own place. Easy to manage and easy to update or determine when items are missing.



48112

Blind Rivet Gun + Basic Tool Kit, exc. case



48150

Blind Rivet Gun + Extended Tool Kit, exc. case



48107

PNP 90 XT² 10t Rivet Gun exc. case



48109

PNP 90 XT² 10t Rivet Gun + Blind Rivet Gun, exc. cases



PNP90 & PNP90 XT²

PRECISE CONTROL

PNP90 AND PNP90 XT² RIVETING TOOLS ARE THE PERFECT SOLUTIONS FOR COMPLETING ALL OEM HOMOLOGATED BLIND RIVET AND SPR RIVETING OPERATIONS IN A SINGLE SYSTEM.



STANDARD COMPONENTS

They are specifically developed for the most difficult materials such as Ultra High Strength Steels and modern dissimilar laminate materials in the automotive, truck and bus repair industry. The premier PNP90 XT² is an adjustable 10 ton pneumatic-hydraulic system for riveting and pressing out self-piercing rivets.

The standard PNP90 has a pushing (compression) force of 6 tons. Blind rivet capability is also available to run from the same system.

The equipment's universal OEM rivet technology enables adaption of various attachments for different OEM homologated applications.

This universal riveting system can save thousands of dollars versus having to purchase numerous riveting systems as specified individually by various OEMs. Easy to use, lightweight and highly efficient - these riveting tools allow your technicians to complete repairs in record time, saving you both time and money.

UNIVERSAL

This universal riveting system can save thousands of dollars versus having to purchase numerous riveting systems as specified individually by various OEMs.

ADJUSTABLE OPERATING PRESSURE

The premier PNP90 XT² is an adjustable 10-ton pneumatic-hydraulic system for riveting and pressing out self-piercing rivets. The standard PNP90 has a pushing (compression) force of 6-ton. Blind rivet capability is also available to run from the same system.

HIGHLY EFFICIENT

The equipment's universal OEM rivet technology enables adaption of various attachments for different OEM homologated applications.

PERFECT SOLUTION

Specifically developed for the most difficult materials such as Ultra High Strength Steels and modern dissimilar laminate materials in the automotive, truck and bus repair industry.

FEATURES AND BENEFITS

- Universal - allows for attachments for various OEM homologated applications: Riveting, punching, pressing out, calibrating
- Highly Efficient - pressure ratio of 100:1
- Push & Pull - PNP 90 XT² 2-circuit hydraulic system 10-ton push, 8-ton pull. PNP 90 6 ton pull
- Adjustable Operating Pressure — PNP 90 XT² the dial provides variable adjustment of the working pressure so the output force can be controlled to the desired level
- Precise Control - over strength of impact
- Save Time - color coding & labelling of the rivet inserts makes it quick and easy to switch punches
- Sturdy Construction - with low maintenance & long lifetime
- Upgradable - from PNP 90 to PNP 90 XT² with upgrade kit
- Training & Support - on-site training and local support are available

EASY TO USE, LIGHTWEIGHT AND HIGHLY EFFICIENT. THESE RIVETING TOOLS ALLOW YOUR TECHNICIANS TO COMPLETE REPAIRS IN RECORD TIME, SAVING YOU BOTH TIME AND MONEY.





**OEM BASED
RIVETING SYS**

UNIVERSAL STEM



PRODUCT INFORMATION

AND TECHNICAL DATA

OPTIONAL ACCESSORIES

OPTIONAL ACCESSORIES

STORAGE CART RIVET SYSTEM

PART NO. 48210

Includes: 4 drawers with custom designed foam inserts to safely hold all system tools, parts and supplies in place.

PNP 90 6 TON RIVET GUN BASIC KIT, EXC. CASE

PART NO. 48416

Includes: PNP 90 w/ pressure intensifier, Hydraulic gun, Rivet Clamp NB40, 2 x Locking Pins

NB115 RIVET CLAMP, 6 TON, INC. CASE

PART NO. 45711

NB230 RIVET CLAMP, 6 TON, INC. CASE

PART NO. 45712

PNP 90 XT² 10T RIVET GUN EXC. CASE

PART NO. 48107

Includes: PNP 90 XT² with pressure limitation, Hydraulic actuator XT², Adapter Kit 60 kN, Rivet Clamp NB45, Hose Package Duo, DN4, Handle MB, Riveting Tool Kit 1 "Punching" & Riveting Tool Kit 2 "Form flow rivets"

NB130 RIVET CLAMP, 10 TON

PART NO. 48080

NB240 RIVET CLAMP, 10 TON

PART NO. 48081

FORD MANDREL KIT

PART NO. 48188

VOLKSWAGEN/AUDI MANDREL KIT

PART NO. 48161

JAGUAR/LANDROVER MANDREL KIT

PART NO. 48151

BMW MANDREL KIT

PART NO. 45709

PNP 90 XT² 10T RIVET GUN + BLIND RIVET GUN, EXC. CASE

PART NO. 48109

Includes: PNP 90 XT², Hydraulic actuator XT, Adapter Kit 60 kN, Rivet Clamp NB 45, 130 & 240, Hose Package Duo- DN4, Handle MB, Riveting Tool Kit 1 "Punching", Riveting Tool Kit 2 "Form flow rivets", Blind Riveting Tool Kit 25 kN, Blind Riveting Tool BNW25, Blind Rivet Nuts Tool Kit BNW 25 kN, Accessories Universal Adaption, Operating Unit, Assembly spanners, aid and Ejector.

BLIND RIVET GUN + BASIC TOOL KIT, EXC. CASE

PART NO. 48112

Includes: Blind Riveting Tool BNW25 with universal adaption and mandrel collector, Accessories Universal Adaption, Operating Unit & Assembly spanners

BLIND RIVET GUN + EXTENDED TOOL KIT, EXC. CASE

PART NO. 48150

Includes: Blind Riveting Tool BNW25, Blind Riveting Tool Kit 25 kN, Blind Rivet Nuts Tool Kit BNW 25 kN, Accessories Universal Adaption, Operating Unit, Universal adapter, Assembly spanners & aid, Ejector Hose Package Duo, DN4

OPTIONAL ACCESSORIES

CASE FOR PNP 90 / PNP 90 XT² PUMP

PART NO. 48097

CASE FOR BLIND RIVIT TOOL

PART NO. 48100

PNP 90 TO PNP 90 XT² UPGRADE KIT

PART NO. 48111

Includes: Hydraulic actuator XT², Rivet Clamp NB45, Hose Package Duo-DN4, Handle MB, Riveting Tool Kit 1 "Punching", Riveting Tool Kit 2 "flow form rivets" & Adapter Kit 60 kN

OPTIONAL ACCESSORIES

CASE FOR CLAMPS 48080 & 48081

PART NO. 48099

BLIND RIVETING NUTS TOOL KIT (FOR 48112)

PART NO. 48105

BLIND RIVET TOOL KIT FOR SETTING ALL RIVETS USING THE EJECTOR (FOR 48112)

PART NO. 48106

TECHNICAL DATA

PUMP PNP 90 UN 2.0		
Length x width x height (without hoses, incl. handle)	330x230x213mm (12,99x9,05x8,38in)	330x260x213mm (12,99x10,23x8,38in)
Weight (without hoses)	7.7 kg	10.6 kg
Max setting force "Push"	60 kN / 6 Ton	100 kN / 10 Ton
Max setting force "Pull"	-	80 kN / 8 Ton
Max input pressure	6 bar / 87 PSI	6 bar / 87 PSI
Max operating pressure	600 bar	600 bar
Hydraulic gun HP 35 UN		
Length x width x height (including handle)	246x50x105mm (9,68x1,96x4,13in)	280x65x185mm (11x2,55x7,28in)
Max. operating pressure	600bar	600 bar
Travel	15mm	50 mm

WE CARE ABOUT BODY SHOPS

EXCELLENCE. INNOVATION. PASSION.

CAR-O-LINER ACADEMY

We are a competence development partner for the automotive industry, our main objective is to improve quality, safety and profitability for body shops.

THE TRAINING YOU NEED



RIGHT PERSON



RIGHT TIME



RIGHT COURSE



RIGHT COMPLEXITY

We enhance our customer's abilities by identifying the real competence and development needed. Offering solutions to meet these needs and accelerate the business growth.

WE OFFER THE SOLUTION



WE IMPLEMENT THE TRAINING



WE FIX THE ROOT OF THE PROBLEMS



WE MEASURE RESULTS

CUSTOMER SUPPORT

The Car-O-Liner Group headquarters is located in Gothenburg, Sweden, with subsidiaries located in Norway, Germany, France, United Kingdom, Italy, China, India, United States, Thailand and the Middle East. Wherever you are, Car-O-Liner can provide customers with product information, training, support or data subscription/renewal.

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