

# RESISTANCE SPOT WELDING OF THE NEXT GENERATION

## InvertaSpot NG

Balancer with  
space-saving  
parking position

Variable balancer  
height adjustment

Optimized for a total  
height of 2.4 m

Ergonomic pliers  
storage tray

Integrated track widening for  
increased stability

- OEM welding programs / parameters pre-installed
- Current control and pressure monitoring
- Lightweight and handy C transformer tongs with 360° rotating handle and 5 meter hose package
- C-electrode arm quick-change system
- Balancer working range 130° pivotable and variably adjustable up to 2.4 m height
- Integrated track widening incl. swivel and brake castors for maximum stability
- Efficient, powerful and universal cooling system (suitable for hot countries)
- Integrated shelves for C-electrode arms, accessories, tools
- Integrated suspensions for hose package and mains cable
- Expert mode - create and save individual welding parameters
- Documenting and managing order data
- Software update via interface function
- Practical drawer

### InvertaSpot NexGen | 400 V

Art.-Nr. 471011NG

#### Scope of delivery

1 x Base unit | 400 V  
1 x 474475 C-Transformer gun | NexGen-V8.1 | 400 V | 5 m  
1 x 497096 Electrode caps | Ø 16 mm | Form A-32 | 6 pcs.  
1 x Manual

### InvertaSpot NexGen | 200 V

Art.-nr. 472011NG

#### Scope of delivery

1 x Base unit | 200 V  
1 x 474476 C-Transformer gun | NexGen-V8.1 | 200 V | 5 m  
1 x 497096 Electrode caps | Ø 16 mm | Form A-32 | 6 pcs.  
1 x Manual

The **mobile, water-cooled** resistance spot welder for car body repairs impresses with its state-of-the-art control technology. It **automatically** detects the conditions at the joint and sets all the necessary welding parameters **independently**, ensuring a **safe** and **precise** welding process.

The device is operated intuitively via a **user-friendly color touch display** with self-explanatory symbols.

**Special welding programs** are available for high-strength and ultra-high sheet metal, thin sheet metal, spot-welded joints and galvanized sheets optimized.

During the entire welding process, the machine continuously **monitors the process parameters** and shows the actual values on the display. This ensures **maximum process reliability** and quality for every application.

The new NG-V8.1 spot-welding gun offers maximum flexibility thanks to the 5 m long supply cable.



**LIGHTWEIGHT SPOT-WELDING GUN WITH A WEIGHT OF LESS THAN 10 KG**

**MODERN COLOR DISPLAY AND USER-FRIENDLY HANDLING**



Tilttable display for ergonomic adjustment to the height of the worker

## OPTIMIZED COOLING

through finned heat exchanger including fan

InvertaProtect | 20 l

Art.-no. 474009NG

Improved, ready-to-use coolant for maximum efficiency



## TECHNICAL DATA

Art.-no. 471011NG / 472011NG / 473011NG

Pliers and electrode force	6,2 kN
Mains voltage	3 × 400 V / 3 × 208 V
Fuse (slow-blow) type gG:	32 A / 63 A
Performance	max. 15 kA regulated to 13 kA
Compressed air	6 - 8 bar
Protection class	IP 21
Open circuit voltage	12 V DC
Weight without coolant	125 kg
Dimension in parking position	195 × 95 × 89 cm



**LIGHTWEIGHT AND HANDY  
C TRANSFORMER TONGS  
WITH 360° ROTATING HAND-  
LE AND 5 METER  
HOSE PACKAGE**

**INTUITIVE OPERATION  
VIA A COLOR  
TOUCH DISPLAY**

**EFFICIENT,  
POWERFUL  
AND UNIVERSAL  
COOLING SYSTEM**


**BALANCER  
WORKING RANGE  
130° TILTABLE**

**MATERIAL DETECTION**


**DOCUMENTING AND  
MANAGEMENT OF  
ORDER DATA**


**SOFTWARE UPDATES**


**CURRENT CONTROL AND  
PRESSURE MONITORING**

 **Consulting  
& Service**

 **Local  
Support**

 **Energy  
efficient**

 **Time  
saving**

 **Update  
capable**



## Resistance spot welder

The VAS 6545A resistance spot welder can be used to carry out all approved repair welds on Volkswagen Group vehicles. The welding parameters are set via the intuitive touch display. The welding programs are for high-strength to ultra-high-strength sheet metal, for spot-welded adhesive joints and for galvanized sheet metal.

# VAS 6545B

VAS 6545B	ASE number	Supply voltage
Art.-no. 932160NG	ASE 437 075 82 000	3 x 400 V

Lieferumfang:

1 x Base unit | 400 V

1 x 474475 C-Transformer gun | NexGen-V8.1 | 400 V | 5 m

1 x 497096 Electrode caps | Ø 16 mm | Form A-32 | 6 pcs.

1 x Manual

VAS 6545B	ASE number	Supply voltage
Art.-no. 932163NG	ASE 437 075 82 023	3 x 200-240 V

Lieferumfang:

1 x Base unit | 200 V

1 x 474475 C-Transformer gun | NexGen-V8.1 | 200 V | 5 m

1 x 497096 Electrode caps | Ø 16 mm | Form A-32 | 6 pcs.

1 x Manual







**AUTOMATIC FUNCTION**

**PROCESS CONTROL**

**ELECTRONIC  
DISTANCE MEASUREMENT**

**WATER COOLING  
UP TO THE  
ELECTRODE CAPS**

**LARGE  
OPENING ANGLE**

The transformer tongs were developed under strict standards (EN) and meet the latest technological safety standards. The electrode lock with water stop when changing the arms also ensures safety and convenience. The numerous electrode arms and extensive range of accessories leave nothing to be desired - special designs are also available on request.

## C-TRANSFORMER GUN NexGen-V8.1

C-Trafogun | NexGen-V8.1 | 400 V

Art.-no. 474475

Scope of delivery:

1 x C-Trafogun NexGen-V8.1

1 x 474001NG C-arm no. 1 | Standard | 150 x 70 mm

1 x 497096 electrode caps | Ø 16 mm | Form A-32 | 6 pcs.



Cable package length	L x W x H	Weight	Setting range	Welding current max.	Electrode pressure max.	Conformity mark
Standard: 5 m	600 x 100 x 320 mm	9,8 kg*	0-13 kVA	15 kA	6,2 kN	CE/UL je nach Ausführung

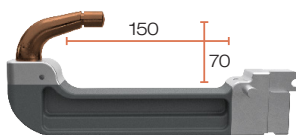
without hose package, without C-arm no. 1



### C-arm no. 1 | Standard | NexGen

Art.-Nr. 474001NG

Electrode	Electrode caps
C-Electrode curved	Ø 16 mm



### C-arm no. 3 | NexGen

Art.-Nr. 474003NG

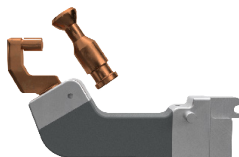
Electrode	Electrode caps
C-Electrode curved	Ø 16 mm



### C-arm no. 2 | for wheel arches | NexGen

Art.-no. 474002NG

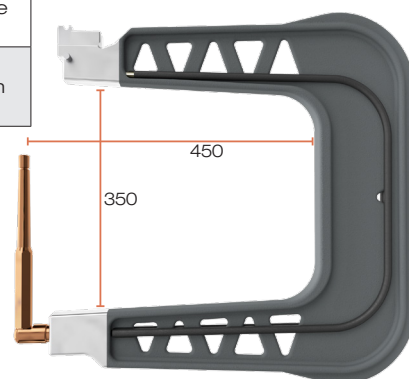
Electrode	Electrode caps
Electrode A   Mushroom shaped Electrode B   Spoon shaped	Ø 13 mm



### C-arm no. 4 | NexGen

Art.-no. 474004NG

Electrode	Electrode caps
Electrode 260 mm Electrode holder	Ø 16 mm



### Electrode A | Pilzform

Art.-no. 497070

VE: 1 St.



### Electrode B | Löffelform

Art.-no. 497072

VE: 1 St.



### A | R32

497005

VE: 6 St.



### C-arm no. 5 | NexGen

Art.-no. 474005NG

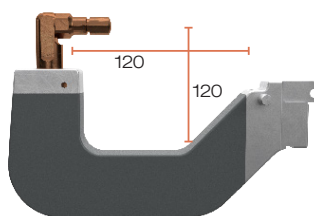
Electrode	Electrode caps
C-Electrode   curved 135 mm Sealing disk	Ø 16 mm



### C-arm no. 6 | NexGen

Art.-no. 474006NG

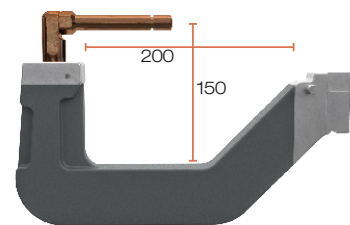
Electrode	Electrode caps
Electrode 46 mm Electrode holder	Ø 16 mm



### C-arm no. 7 | NexGen

Art.-no. 474007NG

Elektrode	Electrode caps
Electrode 83 mm Electrode holder	Ø 16 mm



### C-arm Set | C-arm no. 2 + no. 3 | NexGen

Art.-no. 474008NG

Electrode	Electrode caps
C-Electrode   curved Electrode A   Mushroom shaped Electrode B   Spoon shaped	Ø 16 mm

