

# Jaguar Land Rover



## GLOBAL TOOLING LIST

## NEXT GENERATION RESISTANCE SPOT WELDER

# InvertaSpot NG EX

Balancer with space-saving park position

Variably adjustable balancer height

Optimised to a total height of 2.4 m

Ergonomic C-Trafo gun holder

Tested and recommended by

Tesla  
Jaguar Land Rover  
Mercedes-Benz  
BMW

Integrated track widening for increased stability

- OEM welding programs / parameters pre-installed
- Current control and pressure monitoring
- Lightweight and handy C-Trafo gun with 360° rotating handle and 5 meter hose package
- Quick-change C-electrode arm 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 storage for C-electrode arms, accessories and tools
- Integrated holders for hose package and power cable
- Expert mode - create and save individual welding parameters
- Documenting and managing job data
- Software update via interface function
- Handy drawer



### InvertaSpot NexGen | 400 V

Item no. 471011NG

Scope of delivery:

1 x Base unit | 400 V

1 x 474475 C-Transformer gun | NexGen-V8.1 | 400 V | 5 m  
incl. 1x 474001NG C-Arm Nr. 1 | 150 x 70 mm | NexGen

1 x 497096 Electrode caps | Ø 16 mm | Form A-32 | PU: 6 St.  
1 x Manual

### InvertaSpot NexGen | 200 V

Item no. 472011NG

Scope of delivery:

1 x Base unit | 200 V

1 x 474476 C-Transformer gun | NexGen-V8.1 | 200 V | 5 m  
incl. 1x 474001NG C-Arm Nr. 1 | 150 x 70 mm | NexGen

1 x 497096 Electrode caps | Ø 16 mm | Form A-32 | PU: 6 St.  
1 x Manual

### Software Update | JLR | NexGen

Item no. 475062NG

The **mobile resistance spot welder** for car body repairs, featuring an **efficient liquid cooling system**, stands out with its **advanced 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 optimized for high-strength and higher-strength sheet metal, thin sheet metal, spot-welded adhesive joints and galvanized sheet metal.

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 due to its 5 metre supply cable.



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

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



Tilttable display for ergonomic adjustment to the height of the worker.

## OPTIMISED COOLING

through finned heat exchanger including fan

InvertaProtect | PU: 20 l  
474009NG

Improved, ready-to-use coolant for maximum efficiency



### TECHNICAL DATA

Item no. 471011NG / 472011NG / 473011NG

C-Arm/electrode force	6,2 kN
Mains voltage	3 × 400 V / 3 × 208 V
Fuse (slow-blow) type gG:	32 A / 63 A
Power	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
Dimensions in park position	195 × 95 × 89 cm



**AUTOMATIC FUNCTION**

**PROCESS CONTROL**

**ELECTRONIC DISTANCE MEASUREMENT**

**WATER COOLING UP TO THE ELECTRODE CAPS**

**LARGE OPENING ANGLE**

**WEIGHS LESS THAN 10 KG\***

The transformer gun was developed under strict EN standards and corresponds to the latest technological state of safety. The electrode lock with water stop when changing the arms provides additional safety and comfort. With the numerous electrode arms and the extensive range of accessories, no wishes are left unfulfilled - but special designs are also possible on request.

## C-TRAFOGUN NexGen-V8.1

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

Item no. 474475

**Scope of delivery:**

- 1 × C-Trafogun | NexGen-V8.1 | 400 V | 5 m
- 1 × 474001NG C-Arm No. 1 | Standard | 150 × 70 mm | NexGen
- 1 × 497096 Electrode caps | Ø 16 mm | Type A-32 | PU: 6 pcs.



Cable bundle length	L × W × H	Weight	Adjustment range	Welding current	Electrode pressure	Mark of conformity
Standard: 5 m	600 × 100 × 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**

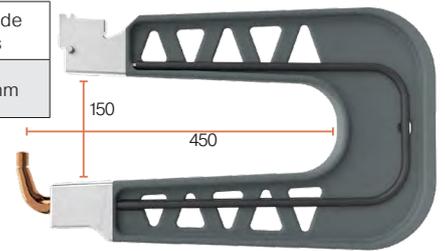
Item no. 474001NG

Elektrodes	Electrode caps
C-electrode curved	Ø 16 mm


**C-Arm No. 3 | NexGen**

Item no. 474003NG

Elektrodes	Electrode caps
C-electrode curved	Ø 16 mm


**C-Arm No. 2 | for wheel arches | NexGen**

Item no. 474002NG

Elektrodes	Electrode caps
Electrode A   Mushroom shape Electrode B   Spoon shape	Ø 13 mm


**C-Arm No.4 | NexGen**

Item no. 474004NG

Elektrodes	Electrode caps
Electrode 260 mm Electrode holder	Ø 16 mm


**Shape A | Mushroom**

Item no. 497070

PU: 1 pc.


**Shape B | Spoon**

Item no. 497072

PU: 1 pc.


**A | R32**

Item no. 497005

PU: 6 pc.


**C-Arm No. 5 | NexGen**

Item no. 474005NG

Elektrodes	Electrode caps
C-Electrode   curved Electrode 135 mm Copper sealing washer	Ø 16 mm


**C-Arm No. 6 | NexGen**

Item no. 474006NG

Elektrodes	Electrode caps
Electrode 46 mm Electrode holder	Ø 16 mm


**C-Arm No. 7 | NexGen**

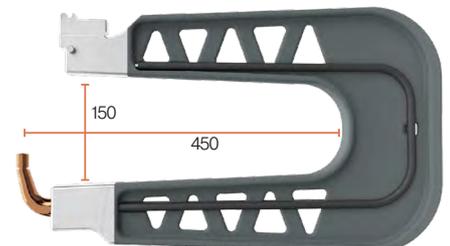
Item no. 474007NG

Elektrodes	Electrode caps
Electrode 83 mm Electrode holder	Ø 16 mm


**C-Arm Set | C-Arm No. 2 + No. 3 | NexGen**

Item no. 474008NG

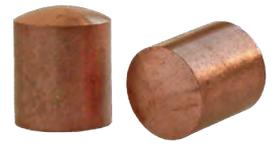
Elektrodes	Electrode caps
C-Electrode   curved Electrode A   Mushroom shape Electrode B   Spoon shape	Ø 16 mm



Electrode caps | A-32 | 6 pcs.

Item no. 497096

Length: 20 mm



Electrode caps remover

Item no. 498003



Electrode fix | Grain 60

Item no. 298298

For cleaning spot welding electrode caps when dirty. Only „clean“ electrode caps guarantee correct spot welding results.



EUROPAX welding primer | 500 ml

Item no. 817030

Prevents rust and oxidation between sheets for spot welding as well as MIG-MAG.



Copper paste for electrodes | 75 g

Item no. 497010

Measurably reduces the transition resistances and improves the current conduction properties of electrode arms.

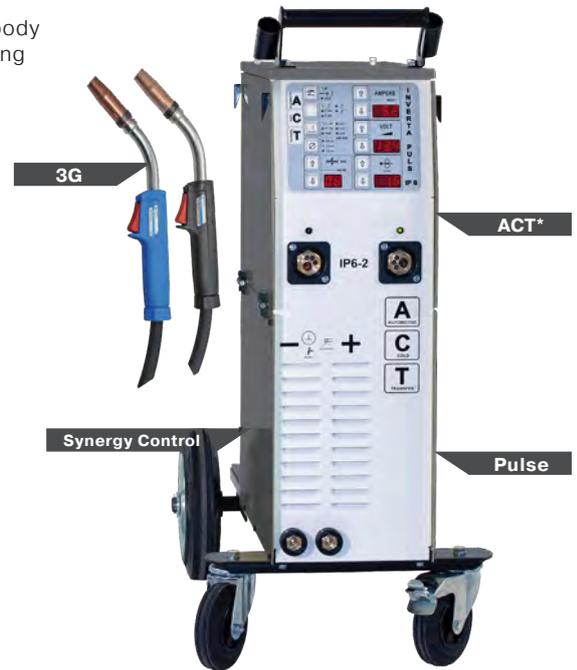


InvertaPuls IP 6-2 ACT	Power supply	Welding power
Item no. 331007 <b>steel</b> / <b>ALU</b> kit	3 × 400 V	10-280 A
Item no. 332007 <b>steel</b> / <b>ALU</b> kit	3 × 200 V	10-280 A

The Inverter MIG-MAG welding machine for body repair with ACT (Automotive Cold Transfer) offers a range of impressive features that make it the ideal choice for vehicle body repair. With two welding torches for two wires, it enables efficient operation while focusing on superior thin sheet welding.

### Features

- Synergy parameters
- Lower heat input
- Very good gap bridging
- Less material distortion
- Automatic „hold function“ of the welding parameters
- Saving of individual welding programs
- Integrated interface for software updates



Tested and approved by



### Equipped with:

- 2 x 337220 Wire feed rollers | steel | 0.8 mm & 1.0 mm
- 1 x 337221 Wire feed rollers | aluminium | 1.0 mm & 1.2 mm
- 1 x 308110 Torch 3G | Steel welding | 3.0 m
- 1 x 308111 Torch 3G | ALU welding | 3.0 m
- 1 x 304053 Ground cable with clamp | 5 m | 35 mm<sup>2</sup> | SK 35
- 1 x 311042 Pressure reducer ProControl | 200 bar (DE and AT only)
- 1 x 311044 Double branch valve 1/4" for manometer (DE and AT only)
- 1 x operating instructions

### Accessories for InvertaPuls devices

Item no.	337173	337184	311045
Description	Handle with torch holder for IP 6   IP 6-2	Cable holder for power cord	Sheet adapter for IP 6-2 for second gas bottle
PU	1 pc.	1 pc.	1 pc.



item supplied without torches

Welding wire

D200



Item no.	311082	311093	311076	311077	311078	311079
Description	<b>SG2</b>	<b>SG2</b>	<b>AlMg5</b>	<b>AlMg5</b>	<b>AlSi5</b>	<b>AlSi5</b>
Diameter	0.8 mm	0.6 mm	1.0 mm	1.2 mm	1.0 mm	1.2 mm
Coil type	D200	D200	D200	D200	D200	D200
Weight   PU	5.0 kg	5.0 kg	2.0 kg	2.0 kg	2.0 kg	2.0 kg

Item no.	311080	311081	311070	311071
Description	<b>AlSi12</b>	<b>AlSi12</b>	<b>CuSi3</b>	<b>CuSi3</b>
Diameter	1.0 mm	1.2 mm	0.8 mm	1.0 mm
Coil type	D200	D200	D200	D200
Weight   PU	2.0 kg	2.0 kg	5.0 kg	5.0 kg

Gas flow tester | CO2 + Argon

Item no. 311048

This gas flow meter is used for precise measurement of the flow rate of argon and CO2. It is very accurate and provides precise results for gas volume metering.



Aluminium crack testing

Item no.	311051	311050	311052	311053
Description	Crack testing agent cleaner Ardrox 9PR5   400 ml	Crack testing agent diffusion red Ardrox 9VF2   400 ml	Crack testing agent developer Ardrox 9D1B   400 ml	Crack diagnosis spray <b>3-piece set</b>
PU	1 pc.	1 pc.	1 pc.	1 pc.



Application:

1. Clean the surface thoroughly with cleaner Ardrox 9PR5.
2. Apply diffusion red Ardrox 9VF2 and leave to work for approx. 10-20 minutes.
3. Thoroughly clean the surface again with cleaner Ardrox 9PR5.
4. Apply developer spray Ardrox 9D1B until reaction.
5. Check the surface for cracks.



## Riveting

### TAURUS 4 blind riveting tool | pneumatic-hydraulic

Item no. 571110

The TAURUS 4 is a powerful blind rivet tool with a modular design, offering impressive setting force and a lightweight build. Thanks to its modular system, the tool is easy to maintain and customize, minimizing the need for spare parts. Its air consumption is efficiently optimized, serving both the rivet setting process and the mandrel extraction.



### XPull incl. M10 pulling adapter

Item no. 700098

The XPull is a mechanical-hydraulic power amplifier that allows generating a pressing force of up to 20 kN with pure manual force. The force amplification ratio is 1:8. Furthermore, the XPull ensures compatibility with all currently listed WS pull adapters, such as the Tool Box RS-04 | BRN.

Scope of delivery:

1 x XPull Riveting tool

1 x Blind rivet bolts pulling adapter | M10 Left-hand thread



### Pulling adapter for blind rivet nuts for BRN50

	Item no.	Thread	Threadlength	
	700324	M4	25 mm	
	700325	M5	25 mm	
	700326	M6	30 mm	
	700327	M8	25 mm	
	700328	M10	25 mm	
	700305	M12	30 mm	
	700124	M10 left-hand thread	25 mm	
	700129	M12 x 1.5	30 mm	

### Tool Box RS-04

Item no. 700201

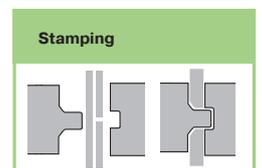
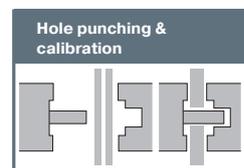
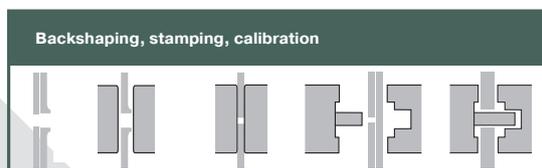
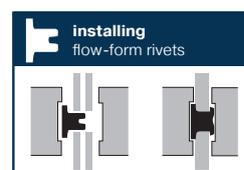
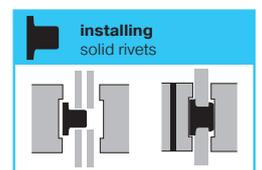
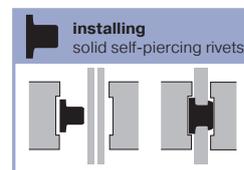
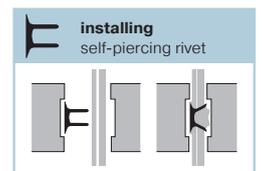
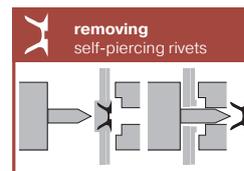


Set of pulling adapters for blind rivet nuts consisting of: M4, M5, M6, M8, M10, M12

# TESTED & RECOMMENDED **by** JAGUAR LAND ROVER

Reg. no. JLRBSST006

# JLR





## PRESSURE MONITORING SYSTEM WITH PATENTED XLOGIC TECHNOLOGY

The innovative system and the air tank integrated in the tubular frame of the trolley guarantee the user full process reliability\* during riveting work on the vehicle. Even if the air supply is unexpectedly interrupted, the riveting process can be carried out safely\*.

\*Note: Process reliability during riveting is ensured by using the SSC 40 mm short-stroke cylinder. (included in delivery)

### PROCESS-RELIABLE

guarantees full process reliability due to the **XLogic** pressure monitoring and the integrated air tank in the tubular frame

### PNEUMOHYDRAULIC

### 100% COMPATIBLE

full compatibility with all modules of the XPress 800 system

### HIGH TRACTION FORCE

Tensile force up to 80 kN\*  
Press force from 10 - 80 kN



#### Full Set

Item no. F700058

- 1 × Workstation incl. **XLogic**
- 1 × Short stroke cylinder SSC 40 mm
- 1 × XPress Power Pack
- 1 × Blind rivet adapter BR 20
- 1 × Blind rivet adapter BR 50
- 1 × Tool Box RS-06 V4 (JLR)
- 1 × Blind rivet nut adapter BRN 50
- 1 × Tool Box RS-04 (BRN 50)
- 1 × C-arm GC 80/40
- 1 × C-arm GC 80/120
- 1 × C-arm GC 140/240
- 1 × Spiral compressed air hose 4 m



#### Standard Set

Item no. S700058

- 1 × Workstation incl. **XLogic**
- 1 × Short stroke cylinder SSC 40 mm
- 1 × XPress Power Pack
- 1 × Tool Box RS-06 V4 (JLR)
- 1 × C-arm GC 80/40
- 1 × C-arm GC 80/120
- 1 × C-arm GC 140/240
- 1 × Spiral compressed air hose 4 m

**X** WORKSTATION  
**Press**



#### Upgrade Set

Item no. 700058

- 1 × Workstation incl. **XLogic**
- 1 × Short stroke cylinder SSC 40 mm
- 1 × Spiral compressed air hose 4 m

## Air Body Saw WPS 2000

Item no. 120010

The WPS 2000 is an all-rounder saw for bodywork. It is designed for daily cutting and separating tasks and offers highest quality and maximum service life through special bi-metal saw blades and ensures absolutely burr-free cutting with 12,000 strokes per minute.

### Scope of delivery:

- 1 x Air Body Saw WPS 2000
- 1 x Compressed air hose with air connection
- 1 x Saw blade | bi-metal | 14 tpi
- 1 x Saw blade | bi-metal | 18 tpi
- 1 x Saw blade | bi-metal | 24 tpi (mounted)
- 1 x Saw blade | bi-metal | 28 tpi
- 1 x Saw blade | bi-metal | 32 tpi
- 1 x Mounting tool
- 1 x Carrying case
- 1 x Instruction manual (multilingual)



### WELL-ESTABLISHED

Stroke	Power	Vibration	Stroke rate	Weight	Length
8 mm	310 W	24 m/s <sup>2</sup>	12,000 spm	810 g	220 mm

- Saw blade | bi-metal | 14 tpi: For wood, aluminum, composites and plastics.
- Saw blade | bi-metal | 18 tpi: For tight radii, work on the dashboard
- Saw blade | bi-metal | 24 tpi: For sheet combinations up to 4 mm
- Saw blade | bi-metal | 28 tpi: For so-called hybrid materials (aluminum-steel-GFRP)
- Saw blade | bi-metal | 32 tpi: For thin sheet and high-strength steels up to 1 mm

## Air Body Saw WPS 3000

Item no. 120030

The WPS 3000 is a handy, powerful and quiet professional body saw. Due to the remarkably low vibrations of 2.5 m/s<sup>2</sup> according to ISO 8662, the noise of the saw is reduced to a minimum and the device is designed for continuous operation. The WPS 3000 also fulfils the health and safety standards of the employers' liability insurance association.

A long stroke of 10 mm results in perfect cutting performance and a reduced sound pressure level of 77.4 dB(A) (according to ISO 15744).

### Scope of delivery:

- 1 x Air Body Saw WPS 3000
- 1 x Compressed air hose with connector
- 1 x Saw blade | bi-metal | 14 tpi
- 1 x Saw blade | bi-metal | 18 tpi
- 1 x Saw blade | bi-metal | 24 tpi (mounted)
- 1 x Saw blade | bi-metal | 28 tpi
- 1 x Saw blade | bi-metal | 32 tpi
- 1 x Assembly tool
- 1 x Transport case
- 1 x Instruction manual (multilingual)



### LOW-VIBRATION

< 2.5 m/s<sup>2</sup> according to ISO 8662

Stroke	Power	Vibration	Stroke rate	Weight	Length
10 mm	300 W	< 2.5 m/s <sup>2</sup>	12,000 spm	830 g	280 mm

- Saw blade | bi-metal | 14 tpi: For wood, aluminium, composite materials and plastic
- Saw blade | bi-metal | 18 tpi: For tight radii, work on the dashboard
- Saw blade | bi-metal | 24 tpi: For sheet metal combinations up to 4 mm
- Saw blade | bi-metal | 28 tpi: For "hybrid materials" (aluminium-steel-GRP)
- Saw blade | bi-metal | 32 tpi: For thin sheet metal and high-strength steels up to 1 mm

## Saw Blades | bimetal

### Air Body Saws WPS 2000/ 3000

Item no.	Tpi*	Application	PU
197000	14	wood, aluminium, composites, plastic	10 pc.
197001	18	for tight radii in metal and plastic	10 pc.
197002	24	double and triple sheets up to 4 mm	10 pc.
197004	28	thin, double sheets and aluminium up to 3 mm	10 pc.
197003	32	universal saw blade thin sheets and high-strength steels up to 1 mm	10 pc.
Item no.	tpi*	Item	PU
197007	18	M42-18	3 pc.
197008	24	M42-24	3 pc.



### Info

\*tpi = teeth per inch

## VarioDrill WS 90



EFFORTLESS

PRECISE

CONTINUOUSLY ADJUSTABLE  
MILLING DEPTH

QUICK AND SIMPLE ASSEMBLY

WITH DEPTH STOP

FOR HIGH-STRENGTH AND  
SUPER HIGH-STRENGTH  
MATERIALS

### Spot weld remover for all vehicles

Convenient work even in hard-to-reach places thanks to simple, tool-free removal of the Variomatic handle. The 360° rotatable Variomatic handle prevents slipping and the depth stop prevents the underlying sheet metal from being damaged.

# VARIODRILL WS 90

### VarioDrill WS 90 with Variomatic

Item no. 601001

working area: 95 × 35 mm

Speed	Power	Vibration	Operating pressure	Weight
900 rpm	370 W	1.07 m/s <sup>2</sup>	6–8 bar	1.8 kg

Scope of delivery:

- 1 x 602001 VarioDrill WS 90 without Variomatic
- 1 x 608020 Variomatic WS 90 | 900 U/min.
- 1 x 620200 Variomatic cutter Z3 | 44 mm | Ø 8.0 mm
- 1 x Transport case
- 1 x Allen key



### BTR/BOR cutter Z3 | 44 mm | 7-piece set

Item no. 620116

Cutter set for removing spot welds with the VarioDrill WS 90.

Scope of delivery

- 2 x 620000 BTR/BOR cutter Z3 | 44 mm | Ø 6.0 mm
- 2 x 620001 BTR/BOR cutter Z3 | 44 mm | Ø 8.0 mm
- 2 x 620006 BTR/BOR cutter Z3 | 44 mm | Ø 10.0 mm
- 1 x 628005 Center punch with centering aid | Ø 8 × 70 mm | UHSS



620002
<b>HSS   UHSS</b>
795-995
8 mm
8 mm
44 mm
3
3 pc.



## Angle grinder FX-8125LA | 1.4" | pneumatic

Item no. 611135

Speed	Power	Vibration	Operating pressure	Weight
9,500 rpm	745 W	4.4 m/s <sup>2</sup>	6 bar	1.8 kg



## Belt Sander 330 | pneumatic

for sanding belts 10 × 330 mm

Item no. 671001

- especially suitable for narrow surfaces
- continuously variable speed adjustment
- belt quick change system
- automatic belt adjustment

Speed	Vibration	Operating pressure	Weight
10,500-16,000 rpm	2.5 m/s <sup>2</sup>	6.3 bar	1.06 kg



**Note:** Releasing and separating weld spots, weld seams, and laser weld seams only in conjunction with the premium sanding belts K36, K60 and K80.

## Sanding belts Premium

Item no.	Width	Length	Grit	PU
677007	10 mm	330 mm	K 36	10 pcs.
677008	10 mm	330 mm	K 60	10 pcs.
677009	10 mm	330 mm	K 80	10 pcs.



The sanding belt premium with precision-shaped abrasive grains runs cooler compared to conventional file belts. This reduces metal discoloration and prevents oxidation, minimizing the risk of heat stress cracks.

### Advantages

- Ensures maximum performance for all applications with the belt sander
- Provides sensational stock removal and a uniform finish
- High durability
- Perfect solution for weld seam processing
- Heat generation is minimized

## Sanding belts

Item no.	Width	Length	Grit	PU
677011	10 mm	330 mm	K 80	10 pcs.
677012	10 mm	330 mm	K 40	10 pcs.
677013	10 mm	330 mm	K 60	10 pcs.



## Pistol grinder S 317 | 5" | pneumatic

Item no. 611124

**Pneumatic pistol grinder for sanding pads with a diameter of 127 mm.**

Speed	Power	Vibration	Operating pressure	Weight
16,000 rpm	300 W	2.9 m/s <sup>2</sup>	6 bar	1.2 kg



### Drilling Machine GTC-041B

Item no. 611122

Pneumatic drill with clockwise / counter-clockwise rotation and quick-release chuck.



Speed	Power	Vibration	Operating pressure	Weight
450 rpm	340 W	2.5 m/s <sup>2</sup>	6 bar	1.75 kg

### Countersink 100° | with depth stop and pilot

Item no. 617241

100° countersink with depth stop and pilot for precise countersinking of holes when using screws and rivets.



### Wire hand brush

Item no.	541211	541212
Material	stainless steel	stainless steel
PU	1 pc.	1 pc.



**4 rows**



**v-shaped**

Removes rust, scale, paint and slag. For general cleaning of metal before and after welding.

### Brush knotted | 75 mm | Wire 0.5 mm

Item no. 541204



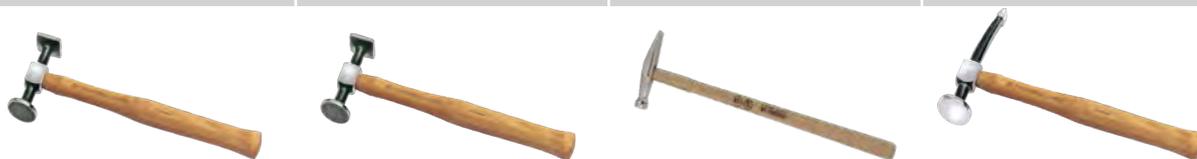
### Brushes

Item no.	541101	541103	541250	541290
Item	Paint brush G10   long bristles	Flat brush G5	Flat brush 3M   nylon	Paint brush G2 short bristles
PU	1 pc.	1 pc.	1 pc.	1 pc.



## Hammers

Item no.	511020	511021	511025	511026
Name	Bumping hammer 300 g	Bumping hammer 400 g	Goldsmith hammer	Finishing and grooving hammer
PU	1 pc.	1 pc.	1 pc.	1 pc.



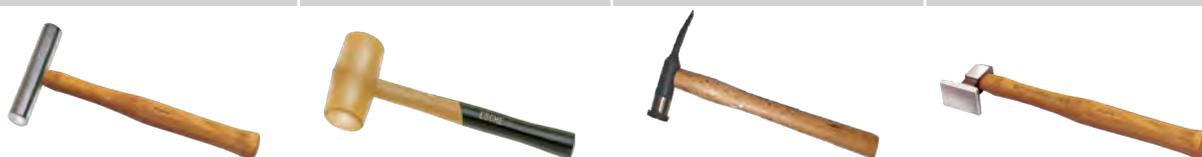
## Hammers

Item no.	511027	511023	511028	511029
Name	Wooden mallet no. 3 500 g	Wooden mallet no. 2 350 g	Plastic hammer recoilless	Soft-face hammer recoilless
PU	1 pc.	1 pc.	1 pc.	1 pc.



## Hammers

Item no.	511030	511031	511032	511033
Name	Aluminium hammer	Hammer elastonal recoilless	Dolly hammer 3 areas	Dolly and planishing hammer
PU	1 pc.	1 pc.	1 pc.	1 pc.



## Hammers

Item no.	511035	511034	511039	511040
Name	Dolly hammer twist head	Hammer with nylon heads	Planishing hammer	Locksmith's hammer 300 g
PU	1 pc.	1 pc.	1 pc.	1 pc.



Item no.	511220	511221	521102
Name	Spoon dolly   curved, flat shape 280 mm	Spoon dolly   double curved, flat shape 400 mm	Bumping blade
Dimensions	150 × 50 mm	200 × 60 × 30 mm	350 × 36 × 36
PU	1 pc.	1 pc.	1 pc.



### Dollies

Item no.	511110	511100	511112	511113
Name	Toe shape 1200 g	Wedge shape - roof dolly 1150 g	General purpose dolly 1100 g	Heel shape 1050 g
Dimensions	115 × 60 × 28 mm	Length = 130 mm	75 × 55 × 57 mm 60 × 45 × 57 mm	80 × 60 × 35 mm
PU	1 pc.	1 pc.	1 pc.	1 pc.



### Files

Item no.	521210	521209	521211	521212	521213	521214
Name	Bodywork file holder	File blade diagonal cut Z1 - coarse 350 mm	File blade diagonal cut Z2 - medium 350 mm	File blade radial cut Z1 - coarse 350 mm	File blade radial cut Z2 - medium 350 mm	File blade radial cut Z3 - fine 350 mm
PU	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.	1 pc.



### Temporary fasteners

Item no.	577108	577104	577109	577106	577107	577110
Ø	2.5 mm	4.1 mm	4.7 mm	6.0 mm	6.35 mm	8.0 mm
clamping range	0 – 6 mm	0 – 6 mm	0 – 6 mm	0 – 15 mm	0 – 15 mm	0 – 15 mm
PU	20 pcs.	20 pcs.	20 pcs.	30 pcs.	20 pcs.	20 pcs.



### Slot punch | oval hole 8 x 20 mm

Item no. 561003

Pliers for punching a slotted hole of 8 × 20 mm. Quick and easy handling for preparing many MIG soldering jobs on body parts. Double hole no longer required. For „steel 37“ type sheet metal. Up to max. 1.5 mm sheet thickness.



### Body chisel

Item no.	512001	511002	518001
Name	Body chisel incl. handle	Body chisel	Body chisel handle
PU	1 pc.	1 pc.	1 pc.



### Locking pliers

Item no.	561150	561154	561157
Name	Locking pliers 112   straight jaw width: 32 mm	Locking pliers 111   curved jaw width: 62 mm	Locking pliers   long   81 mm jaw width: 70 mm
PU	1 pc.	1 pc.	1 pc.



### Locking pliers

Item no.	561153	561230
Name	Locking pliers 224 swivel pads	Locking pliers 134   C-Clamp jaw width: 130 mm
PU	1 pc.	1 pc.



### Locking pliers axial

Item no.	561181	561182	561183
Name	Axial locking pliers   DW jaw width: 15 mm	Axial locking pliers   DS jaw width: 15 mm	Axial locking pliers   D jaw width: 15 mm
PU	1 pc.	1 pc.	1 pc.



Item no.	561184	561185	561186
Name	Axial locking pliers   T jaw width: 15 mm	Axial locking pliers   WS jaw width: 15 mm	MicroGrip 2000   Length: 90 mm
PU	1 pc.	1 pc.	1 pc.



## Insulating protective gloves

- insulating according to EN 60903:2003 | class 0 (up to 1000 V AC or 1500 V DC)
- GS-ET-42-1: APC 2 (class 0)
- incl. undergloves

Item no.	HV10169	HV101610	HV101611
Size	9	10	11
PU	1 pc.	1 pc.	1 pc.



## Protective face visor ErgoS 3Plus

Item no. HV 110

The ErgoS 3Plus face shield is the latest generation of the ErgoS model, which offers optimum protection and adaptability thanks to improved comfort, enhanced safety standards and a wide range of compatibility features.

### Features

- improved weight balance
- improved ergonomics in the neck area
- arc tested according to DGUV GS-ET-29, APC 2 (class 2)
- additionally arc tested according to ASTM F2178, ATPV: 12 cal/cm<sup>2</sup>, HRC 2
- EN ISO 16321 «eye and face protection for occupational use»
- ANSI / ISEA Z87.1
- CSA Z94.3
- clear color rendering (color rendering index > 95 %)
- weight: 350/400 g (slot/universal)
- universal mount fits standard electrician's helmets
- slot attachment suitable for helmets with 30 mm Euro slot
- slot attachment suitable for Petzl and 3M helmets (model G3501)
- mounting systems for other helmets on request
- anti-fog spray included
- guaranteed protective properties and service life up to 10 years



## Insulated rescue pole

Item no. HV10171695

Suitable for rescuing and recovering injured persons up to a maximum weight of 125 kg.

- up to 36 kV
- according to DIN VDE 0681-1:2016-11
- for indoor and outdoor installations
- for workshops and other electrical operating areas



## DUST CLASS M

according to EN 60335-2-69

Annex AA+CC

DGUV 109-001



# WS ALU VACUUM SYSTEM MOBILE | 230 V

Due to the attached spark trap including 5 m cooling section, the industrial vacuum cleaner is compliant with DGUV regulation 109-001 and is suitable for grinding, cleaning and polishing of aluminium.

### Filter combination:

Pre-filter:

**dust class M**

**Transmittance rate:**

**< 0.005 %**

### APPROVED UTILISATION

- Combustible as well as non-combustible dust with exposure limits\*  $\geq 0.1 \text{ mg/m}^3$  with recirculation of clean air into the work area
- **Dust class M**  
(including dust class L)

\* AGW- Occupational exposure limit value

## SCOPE OF DELIVERY

Item no. 881090NV

- 1 × Plastic hose | 5 m |  $\text{Ø } 40 \text{ mm}$   
Connection on vacuum side: Storz clutch C - DN50  
Connection accessory side: ID 35 mm
- 1 × Plastic hose | 5 m |  $\text{Ø } 50 \text{ mm}$   
Connection vacuum side: Storz clutch C - DN50  
Connection accessory side: ID 50 mm with hole for push pin
- 1 × Curved hand tube |  $\text{Ø } 50 \text{ mm}$  | 1 push pin
- 1 × Crevice nozzle |  $60 \times 12 \text{ mm}$  | tapered



## TELESCOPIC ARM FOR MOBILE VACUUM SYSTEMS

The extractor arm enables the user to work efficiently with the greatest possible freedom of movement. The extraction plate ensures that dust and chips can be optimally collected. Via the C-clutch, the telescopic arm can be connected to the vacuum system directly or also via an extension hose. For easier handling, the arm can be attached to the Mobile Media Supply.

### Suitable for the following systems:

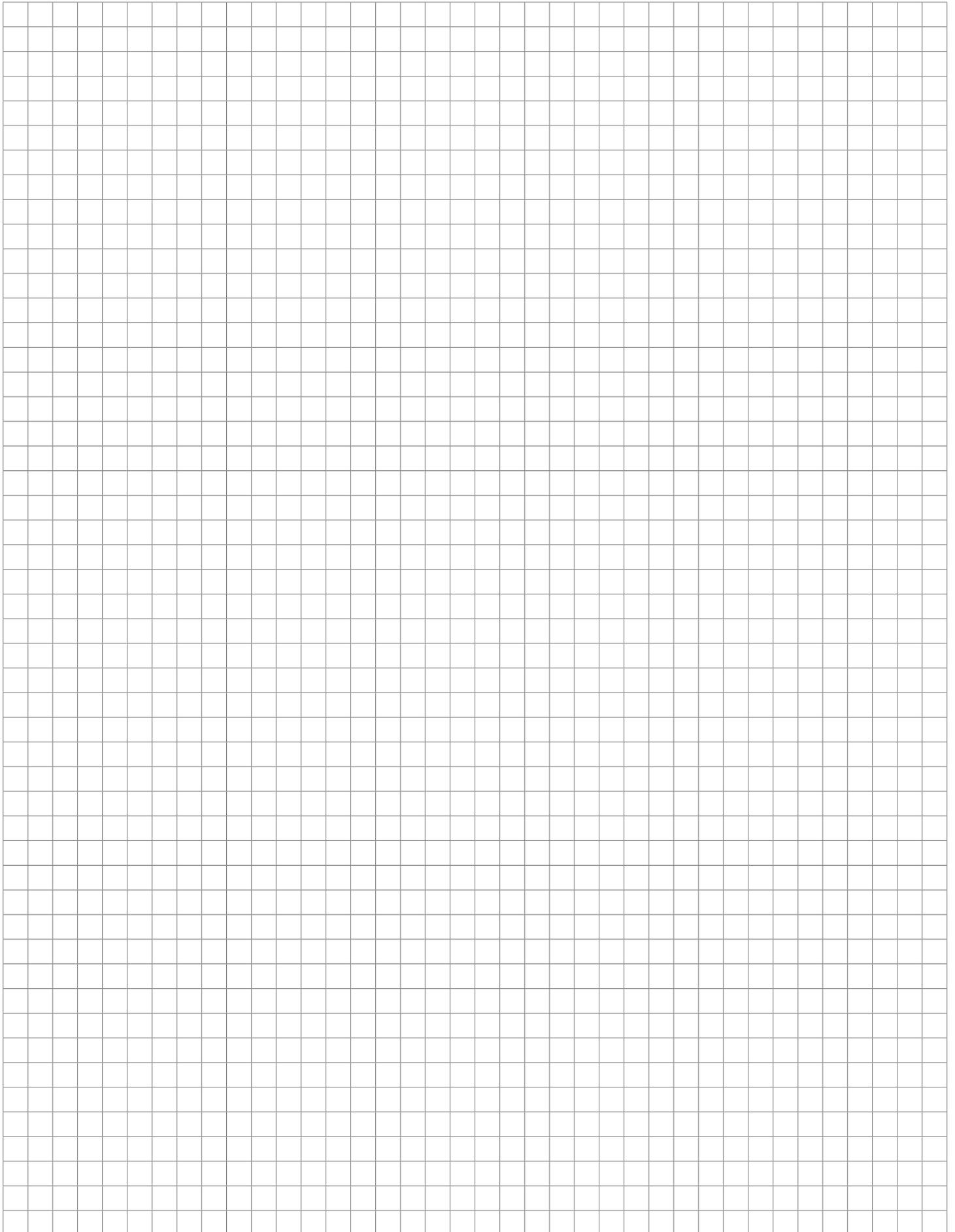
- 881090NV - WS Alu vacuum system
- 881091NV - WS Alu/CFRP vacuum system
- 881889NV - WS Steel vacuum system
- 881760 - NA7-26 Wet Separator  
only in combination with the  
mobile media trolley 881797

## EQUIPMENT FEATURES

Outreach:	outreach 2000 mm
Extraction funnel:	extraction plate 420 × 260 mm stainless steel
Attachment:	square tube with star grip

Item no. 881092

# NOTES



NOTES

A large grid of graph paper for taking notes, consisting of 20 columns and 30 rows of small squares.



WS Wieländer+Schill GmbH & Co. KG  
Professionelle Karosserie-Spezialwerkzeuge  
Neue Wiesen 8  
78609 Tuningen

Contact

Phone: +49 7464 9898 0

Fax: +49 7464 9898 289

[info@wielanderschill.com](mailto:info@wielanderschill.com)

