

SPOT WELDING



COSMETIC DENT REPAIR SYSTEMS



MIG/MAG WELDING



RIVETING AND INDUCTION HEATING



JOINING & HEATING SYSTEMS

EVERYTHING NEEDED FOR JOINING AND HEATING
DURING COLLISION DAMAGE REPAIR

OUR SOLUTIONS

THE ONLY CHOICE FOR FAST, ACCURATE AND SAFE REPAIRS

Car-O-Liner is the leading global provider of high-quality, technologically-advanced collision repair equipment to the automotive aftermarket. For more than fifty years we have supplied the industry with innovative solutions, technical development, training and customer support.

Our welders are OEM-approved, meeting their high standards for "Good-as-New" collision damage repair. These welders are designed for optimum performance on all metal type including aluminium and high-strength steels.

CAR-O-LINER WELDING SOLUTIONS

DENT REPAIR SYSTEMS
RESISTANCE SPOT WELDERS
SPOTTERS
MIG/MAG WELDERS
RIVETING SYSTEMS
INDUCTION HEATING



GROW YOUR BUSINESS WITH ALL OF OUR INTEGRATED SOLUTIONS

All of our systems and solutions are well known for their high quality, advanced technology and ergonomic design. By integrating our solutions with each other you will not only get a flexible, universal collision repair system but will also be able to support the entire vehicle repair process thereby reducing cycle times and increasing performance and profits.

Car-O-Liner is based in Sweden with the head office located in Gothenburg and manufacturing operations in Kungsör. Subsidiaries are located in Sweden, Norway, the USA, the UK, France, Germany, Thailand, India and China and distributors can be found in more than 70 countries worldwide.

CONTENTS

RESISTANCE SPOT WELDERS..... 4-8

Resistance Spot Welder CTR9 4

Resistance Spot Welder VAS 6755A 5

Accessories Spot Welding 6-8

INDUCTION HEATERS 9

H4PRO 9

CH 37 / CH 100..... 9

DENT REPAIR EQUIPMENT / WORKSTATIONS 10-15

Cosmetic Dent Repair CDR1 10-13

Workstation CR200 14-15

SPOTTERS 16-17

Spotter CR235 16

Steel Spotter CR35 16

Aluminium Spotter 17

Spotter CR200 17

PLASMA CUTTER 18

SPOT DRILL 18

CMI MIG/MAG WELDERS 19-22

CMI300 19

CMI183, CMI223 & CMI273 20

CMI161 21

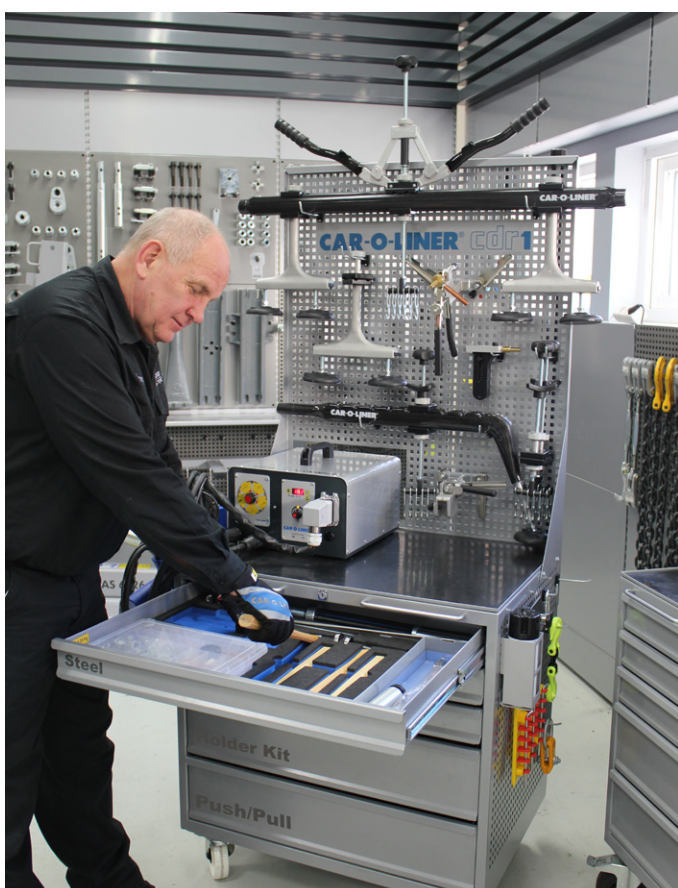
Spare Parts and Accessories 21-22

RIVETING 23-27

PNP90 XT² / PNP90..... 23-26

CBR2000 27

CUSTOMER SUPPORT 27



CTR[®]9






FULLY AUTOMATIC RESISTANCE SPOT WELDER

The CTR[®]9 fully automatic welder comes with a new, revolutionizing light-weight transformer gun. With its 355° swivel handle and ergo-grip, it enables perfect working positions for anyone, for any job. The gun is supported by a telescopic arm in a durable and lightweight extruded aluminum that can be easily adjusted both vertically and horizontally. A compact power unit with a low center of gravity gives mobility and stability, a 16000-amp transformer and CANBUS communication ensure a perfect weld every time.



ITEM	PN
CTR9 3 X 400V, 50/60HZ (INCL. ACCESSORIES)	48574
CTR9 3 X 208V, 50/60HZ (INCL. ACCESSORIES)	48570
CTR9 3 X 230V, 50/60HZ (INCL. ACCESSORIES)	49161
CTR9 3 X 460V, 50/60HZ (INCL. ACCESSORIES)	48572

SCOPE OF DELIVERY

ITEM	PN
 C-YOKE 40mm THROAT DEPTH, WATER COOLED	49317
 C-YOKE 80mm THROAT DEPTH, WATER COOLED	49318
 C-YOKE 350mm THROAT DEPTH, WATER COOLED	49319
 C-YOKE 500mm THROAT DEPTH, WATER COOLED	49320
 SUPPORT ARM WITH INTEGRATED BALANCER BLOCK	44962
 ELECTRODE KIT	48576
 HIGH-TECH FLUID 3L CONCENTRATE	33944

VAS 6755A

VOLKSWAGEN APPROVED VERSIONS OF CTR®9

Volkswagen approved version of CTR®9.



ITEM	PN
VAS 6755A 3 X 400V, 50/60HZ (INCL. ACCESSORIES)	50047
VAS 6755A 3 X 208V, 50/60HZ (INCL. ACCESSORIES)	50043
VAS 6755A 3 X 230V, 50/60HZ (INCL. ACCESSORIES)	50045
VAS 6755A 3 X 460V, 50/60HZ (INCL. ACCESSORIES)	50049

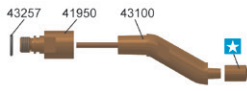
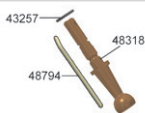
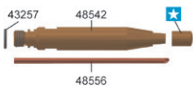

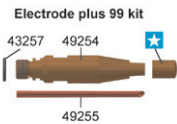
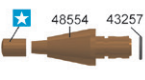
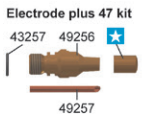
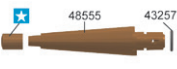
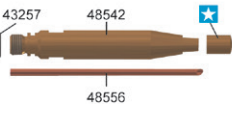
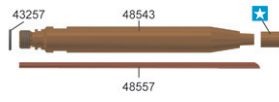
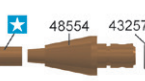




SCOPE OF DELIVERY

ITEM	PN
 C-YOKE 40mm THROAT DEPTH, WATER COOLED	49317
 C-YOKE 80mm THROAT DEPTH, WATER COOLED	49318
 C-YOKE 350mm THROAT DEPTH, WATER COOLED	49319
 C-YOKE 500mm THROAT DEPTH, WATER COOLED	49320
 SUPPORT ARM WITH INTEGRATED BALANCER BLOCK	44962
 ELECTRODE KIT	50053
 SHELF AND CLIP KIT, THREE SHELVES WITH RUBBER MATS AND 4 CLIPS TO HOLD HOSE IN PLACE	50300
 DUST COVER	50343
 HIGH-TECH FLUID 3L CONCENTRATE	33944

OPTIONAL ACCESSORIES

	ITEM	PN
	SHELF AND CLIP KIT Shelf kit includes 3 shelves, 2 rotatable and 1 fixed, with rubber mats. The Clip kit includes 4 clips, 2 for verticle and 2 for horizontal attachment.	50300
	DUST COVER Polyester/PU coating	50343
	A-TONG + ADAPTER	49803
	MULTIFUNCTION GUN SET Includes: Multifunction spot welding gun, Workpiece cable with connector, 2,500mm grounding cable, Pulling hammer and Accessories box. Trigger connector is for CTR9.	49905
	MULTI-FUNCTION GUN Includes: spot gun with workpiece cable with CTR9 connector, ground cable 2500 mm. Trigger connector is for CTR9.	49907
	WELDLOGGER PC SOFTWARE PC & machine software for documentation and registration of welding data. Records welding current, time, date, program and result. Creates work orders. Print out via USB.	36590
	C-ARM RUBBER INSULATOR KIT 40: , 4 x 8mm clips, left and 4 x 8mm clips, right	50923
	C-ARM RUBBER INSULATOR KIT 80: C-arm Rubber Insulator Kit 80, 1 x outer cover, 4 x 8mm clips, left and 4 x 8mm clips, right	50924
	C-ARM RUBBER INSULATOR KIT 350: 1 x inner cover 8mm/350, 1 x outer cover 8mm/350, 4 x 8mm clips, left and 4 x 8mm clips, right	50925
	C-ARM RUBBER INSULATOR KIT 500: 1 x inner cover 8mm/500, 1 x outer cover 10mm/500, 4 x 8mm clips, left and 4 x 8mm clips, right	50926
	COMPLETE RUBBER INSULATOR KIT: 1 x each kit: 40, 80, 350 and 500	50928
	8MM CLIPS , 20 pair (left & right)	50929
	10MM CLIPS , 20 pair (left & right)	50930






CONSUMABLES | SPARE PARTS





	ELECTRODES	ITEM	PN
40mm Yoke		Cylinder Electrode Kit	43025
		Yoke Electrode	49426
80mm & 350mm Yoke		Cylinder Electrode, Electrode Plus 129 Kit	48251
		Yoke Electrode Electrode Minus 15 Kit	48314
		Electrode Plus 99 Kit,	49850
		Electrode Minus 45 Kit	48249
		Cylinder Electrode Electrode Plus 47 Kit	49851
		Yoke Electrode Electrode Minus 96 Kit	48250
		Cylinder Electrode, Electrode Plus 129 Kit	48251
500mm Yoke		Electrode Plus 180 Kit	48252
		Electrode Minus 45 Kit	48249
Caps		13mm Standard Cap, 10 pcs.	47033
		16mm BMW Cap, 10 pcs.	47034
		16A VAS6755 / VAS6755A Cap, 10 pcs.	47035
		Key for electrode caps	41961

CTR®9 | CTR®7 | CTR®12000

CONSUMABLES | SPARE PARTS

ITEM	PN
 MULTIFUNCTION GUN SET Includes: Multifunction spot welding gun, Workpiece cable with connector, 2,500mm grounding cable, Pulling hammer and Accessories box. Trigger connector is for CTR9.	49905
 MULTI-FUNCTION GUN Includes: spot gun with workpiece cable with CTR9 connector, ground cable 2500 mm. Trigger connector is for CTR9.	49907
 MULTI-FUNCTION GUN ADAPTER Trigger connector adapter for CTR7 / CTR12000	49120
 ACCESSORIES BOX WITH ELECTRODES AND CONSUMABLES - Includes:	50496
 1 x Copper screw M4x16 (100 pcs)	31067
 1 x Copper screw M6x20 (50 pcs)	31068
 1 x Copper rivets 3x3,2 (100pcs)	31070
 1 x Corrugated wire Ø 2x300 (50 pcs)	32223
 1 x Magnetic electrode Ø 16 Rivets D3-5	32318
 1 x Magnetic electrode Ø 16 Rivets M5-6	32319
 1 x Coal electrode 10x305	32322
 1 x Single spot electrode holder	49909
 1 x Caps for electrode holder 49909	49910
 1 x Copper rivets Ø 3x4.5 (100 pcs)	32506
 1 x Cone electrode CU Ø 16x45	34634
 1 x Electrode for special modulating wire	35473
 1 x Metal point for multipunto and puller ACAL	35474
 1 x Forged hexagonal key	35475
 1 x Copper electrode for multipunto	41865
 1 x RA steel washer key (100 pcs)	47494
 1 x Twisted RAR steel washer key (100 pcs)	47495
 1 x Electrode for RA and RAR	47496
 1 x Pulling rod. L180 mm	47491

	1 x Double function tool	48715
	1 x Magnetic positioner for corrugated wire	48720
	1 x Copper screw M4x16 (100 pcs)	50003
	1 x Plastic container, 405 x 92, 5 x 57 transparent	50484
	1 x Pulling rod. L300	48244









ITEM	PN	
 TIP DRESSER For electrode tips standard, incl. Dresser Blade, standard 13mm	41919	
	Tip Dresser BMW, 16mm	41920
	Tip Dresser VAS 16A, 16mm	44704
 Dresser Blade, standard 13mm	41921	
	Dresser Blade BMW 16mm	41922
	Dresser Blade VAS 16A, 16mm	44705
COOLING FLUID		
 HIGH-TECH FLUID 3L Concentrate, (Only for CTR12000)	41928	
 HIGH-TECH FLUID 3L Concentrate (CTR9/CTR7)	33944	
	HIGH-TECH FLUID 5L Ready to use (CTR9/CTR7)	36671



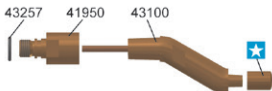
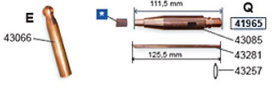
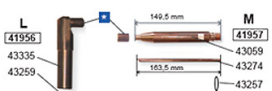
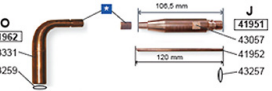
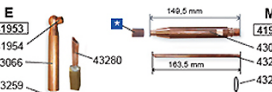
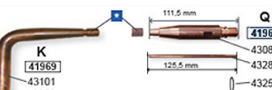
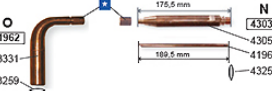




Additional product info can be found in the CTR®9 & CTR®7 Brochures.

CTR®7 | CTR®12000

OPTIONAL ACCESSORIES

ITEM		PN
WELDING DATA DOCUMENTATION		
	CTR12000 WinSpot-QS	41943
	CTR7 WeldLogger	36590
ACCESSORIES CTR12000 & CTR7		
	CTR12000 Support arm with balancer	43578
	Support arm extension 457mm (18")	45657
	Electrode arm, incline 40 mm throat depth, air-cooled without electrode holder and electrodes	46962
	Electrode arm, straight, 80 mm, water-cooled without electrode holder and electrodes	43034
	Electrode arm, straight, 350 mm, water-cooled without electrode holder and electrodes	43035
	Electrode arm, straight, 500 mm, water-cooled without electrode holder and electrodes	43036

CONSUMABLES | SPARE PARTS

	ELECTRODES	ITEM	PN
40mm Yoke		Cylinder Electrode Kit	43025
		Electrode 111.5mm Kit	41965
80mm & 350mm Yoke		Electrode 149.5mm Kit W687 Kit	41957 41956
		Electrode 106.5mm Kit W693 Kit	41951 41962
80mm & 350mm Yoke		Electrode 149.5mm Kit W684 Kit	41957 41953
	500mm Yoke		Electrode 111.5mm Kit W700 Kit
500mm Yoke			Electrode 175.5mm Kit W693 Kit
	Caps		Electrode cap std., 13 mm, 10 pcs
		Electrode cap. BMW, 16 mm, 10 pcs.	47034
		Electrode cap. VAS6775, 16 mm, 10 pcs.	47035
		Key for electrode caps	41961



Spare parts may be found in the CTR®9 & CTR®7 / CTR® 12000 Spare Parts Lists

H4PRO™

HANDY INDUCTION HEATER

The H4PRO handy induction heater can be used anywhere it is needed, even outside of the workshop! The plastic frame covering gives robust protection and the heat -control interface ensures safe heating. Modular — use the connectable interface to set up the H4PRO in the HCD Cooler Trolley (optional). The trolley is a perfect solution for regions with warmer climates and larger heat and time-consuming operations.



CH™37 & CH™100

TORCHLESS HEATING SOLUTIONS

The CH™37 has a unique regulation and control system featuring five power levels, making it nearly impossible to overheat. The high power CH™100 induction heater can be used in the same way as a gas torch, but with little risk of damaging nearby components.






SCOPE OF DELIVERY




ITEM	PN
H4PRO INDUCTION HEATER, 3.7kW, 1 X 230V	51277
OPTIONAL EQUIPMENT	
HDC COOLER TROLLEY, inc. 20L WATER TANK	51278
TRANSPORT TROLLEY	51279

SCOPE OF DELIVERY

ITEM	PN
CH37 INDUCTION HEATER, 3.7kW, 1 X 208 - 240V , 50-60HZ	36563
CH100 INDUCTION HEATER, 10kW, 3 X 400V, 50-60HZ	45330
CH100 INDUCTION HEATER, 10kW, 3 X 200V, 50-60HZ	45331

SPARE PARTS

ITEM	PN
 Angled inductor head (std)	39595
 Straight inductor head	39591
 Field amplifier angled ind.	39498

ITEM	PN
 Field amplifier straight ind.	39947
 LRA5 Coolant, 5 L (H4PRO)	51376
 HIGH-TECH FLUID 3L Concentrate (CH37/CH100)	33944




CDR1





ALL-IN-ONE SOLUTION FOR LIGHT COSMETIC DENT REPAIR






Designed for the repair of small to medium autobody damage the CDR1 Cosmetic Dent Repair workstation is a value-packed repair cart that allows you to quickly and efficiently provide professional repairs of light cosmetic damage. These quick cosmetic collision repairs generate good margins, faster cycle times and a decreased need for investments in expensive, heavy equipment.


















SCOPE OF DELIVERY










ITEM	PN
CDR1 BASIC: STEEL & ALUMINIUM: Mobile cart incl. CR235 Spotter, drawers with custom-made foam inserts, tool board & work area.	50522
 Toolboard, incl. CR235 Combi Spotter, Handpuller Steel, Handpuller Aluminium Carbon fibre pull bars, 50, 100 & 160cm, 4 claws six fingers, 1 fast pull unit, 3 screw pull units, 3 support stands See page 11 for details.	
 Steel Consumables and accessories See page 12 for details	
 ALU Consumables and accessories See page 12 & 13 for details	

ITEM	PN
CDR1 ADVANCED: STEEL, ALUMINIUM & GLUE: Mobile cart incl. CR235 Spotter, drawers with custom-made foam inserts, tool board & work area.	50709
 Toolboard, incl. CR235 Combi Spotter, Handpuller Steel, Handpuller Aluminium Carbon fibre pull bars, 50, 100 & 160cm, 4 claws six fingers, 1 fast pull unit, 3 screw pull units, 3 support stands See page 11 for details.	
 Steel Consumables and accessories See page 12 for details	
 ALU Consumables and accessories See page 12 & 13 for details	
 Glue consumables and accessories See page 13 for details	50523

ITEM	PN
CDR1 MASTER: STEEL, ALUMINIUM, GLUE, HOLDING KIT & PUSH/PULL: Mobile cart incl. CR235 Spotter, drawers with custom-made foam inserts, tool board & work area.	50710
 Toolboard, incl. CR235 Combi Spotter, Handpuller Steel, Handpuller Aluminium Carbon fibre pull bars, 50, 100 & 160cm, 4 claws six fingers, 1 fast pull unit, 3 screw pull units, 3 support stands See page 11 for details.	
 Steel Consumables and accessories See page 12 for details	
 ALU Consumables and accessories See page 12 & 13 for details	
 Glue consumables and accessories See page 13 for details	50523
 Holding Kit & Push/Pull See page 13 for details	50524

SCOPE OF DELIVERY

	ITEM	PN
	TOOLBOARD Includes:	
	1 x Puller: fast pull unit	47482
	1 x Carbon Fiber Pull Bar 50cm (20")	47483
	1 x Carbon Fiber Pull Bar 100cm (41.5")	47484
	1 x Carbon Fiber Pull Bar 160cm (67.5")	47485
	3 x Support group with two bases	49705
	4 x Claw six fingers	47489
	1 x Screw puller unit	49221
	1 x CR235 Combi Spotter , complete power unit, gun kit with accessories (without main supply plug)	48707
	1 x Dent puller steel	39638
	1 x Dent puller Aluminium	48203
	1 X TAV - Tool for RA, RAR, RAAL, RARAL, AN 4	47531
	1 X TAM - Tool for multiple RA, RAR and AN 4	47532
 OPTION	1 x Dispenser for slotted washers Optional accessory.	50486
	3 x Screw puller unit	49221

	ITEM	PN
	TOOLBOARD SIDES Includes:	
	1 x Snap hook	50423
	1 x Solvent spray	50427
	3 x Multipad pulling bars	50420
	1 x Chain set 5T (+T32)	30539
	1 x Clamp T812	32210
	1 x Welding gun (Included in 48707)	48713
	1 x Gun short cycle (Included in 48707)	48202
	1 x Sliding hammer	41879

CDR1 SCOPE OF DELIVERY, continued



DRAWER 1: STEEL

	CONTENT	PN
	1 x Copper screw M4x16 (100 pcs)	31067
	1 x Copper screw M6x20 (50 pcs)	31068
	1 x Copper rivets 3x3,2 (100pcs)	31070
	1 x Hook multi: 9 hooks	32220
	1 x Big slide hammer T826	32221
	1 x Corrugated wire Ø 2x300 (50 pcs)	32223
	1 x Magnetic electrode Ø 16 Rivets D3-5	32318
	1 x Magnetic electrode Ø 16 Rivets M5-6	32319
	1 x Coal electrode 10x305	32322
	1 x Copper rivets Ø 3x4.5 (100 pcs)	32506
	1 x Cone electrode CU Ø 16x45	34634
	1 x Electrode for special modulating wire	35473

	CONTENT	PN
	1 x Metal point for multipunto and puller ACAL	35474
	1 x Forged hexagonal key	35475
	1 x Copper electrode for multipunto	41865
	1 x RA steel washer key (100 pcs)	47494
	1 x Twisted RAR steel washer key (100 pcs)	47495
	1 x Electrode for RA and RAR	47496
	1 x Pulling rod. L300 mm	48244
	1 x Double function tool	48715
	1 x Ground Cable, OKC connection	48716
	1 x Magnetic positioner for corrugated wire	48720
	1 x Copper screw M4x16 (100 pcs)	50003
	1 x Plastic container, 405 x 92, 5 x 57 transparent	50484
	1 x Bolt for hook screw-draw ring L500	50488
	1 x Kit beating steel hammers (4 units)	50490
	1 x Consumable kit Steel	50496



DRAWER 2: ALUMINIUM

	CONTENT	PN
	1 x AN4 Kit (20 pcs)	47490
	1 x Pulling rod. L180 mm	47491
	1 x P4S package aluminium silicon Ø 4x16 (100 pcs)	47492
	1 x P4M package aluminium magnesium Ø 4x16 (100 pcs)	47493

	CONTENT	PN
	1 x P4 SC package (50 pcs)	48204
	1 x RA AL package flat (50 pcs)	48206
	1 x RAR AL package twisted (50 pcs)	48207
	1 x CAN 150: Stainless-steel profiles for multiple pull	48208
	1 x Magnetic positioner for wavy wire (Part of Puller for CR235 Alu 48203)	48720
	4 x Kit 4 aluminium hammers in carton box	50494
	1 x Plastic container, 405 x 92, 5 x 57 transparent	50484
	1 x Washer cleaner	50485
	1 x Box consumables and accessories for aluminium	50495



DRAWER 3: GLUE

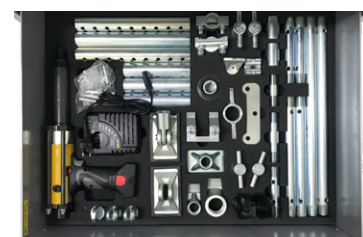
CONTENT	PN
1 x Pullmelt 7b GP107	35057
1 x Kit multipads standard	50492
1 x Red multipads 6x22x156 (kit of 3 pcs)	50419
1 x Multipad pulling bars	50491
1 x Retaining rings for pulling bars	50421
1 x Multipad pulling plate	50422
1 x Snap hook	50423
3 x Bolt for hook screw-draw ring L180	50424
1 x Glue scrape off spatula	50426
1 x Solvent spray for hotmelt glue	50427
1 x Blue multipads 6x36x156 (kit of 3 pcs) flat	50429
1 x Grey multipads 6x50x156 (kit of 3 pcs) flat	50430
1 x Yellow multipads 6x22x156 coneshaped (3 pcs)	50431

CONTENT	PN
1 x Green multipads 6x22x156 spherical shape (3 pcs)	50432
1 x Kit 20 suction cups high grip (3x16/21/26/32)	50434
1 x Wedge for dents	50435
1 x Kit 20 pcs oval suction cups high traction	50436
1 x Kit 25 suction cups different shapes (5x5 shapes)	50437
1 x Hotmelt glue gun 100W 110-230V	50438
1 x Kit standard cups + extractor	50440
1 x Mini extractor 250gr	50441
1 x Extension for wedges	50442
1 x Aluminium wedge round head	50443
1 x Aluminium wedge pointed head	50444
1 x Convex pointed head wedge shaped	50445
1 x Convex medium head wedge shaped	50446
1 x Semisferical convex point wedge shaped	50447
1 x Flat wedge shaped	50448
1 x Head holder M10 for suction cups	50449
1 x Kit 25pcs cups spherical round shape	50450



DRAWER 4: HOLDING KIT

CONTENT	PN
1 x Kit Dollies heavy series for steel	50479
1 x Wooden handle and elastomer polymeric rubber head	50483
1 x Profile template ABS-pins, 50 cm	50489
OPTION 1 x Drill kit for parking sensors, Option	50452



DRAWER 5: PUSH/PULL

CONTENT	PN
1 x Electro power stand. sats D103	35180
1 x Electro power accessory kit	35181

ALUMINIUM WORKSTATIONS

INCREASE YOUR ALUMINIUM REPAIR BUSINESS!

The Aluminium Workstations are designed to provide a solution for aluminum auto body repairs. The CR200 Workstations include the CR200 short cycle, multi-use spotter while the Aluminium Workstation comes with our Aluminium Spotter.







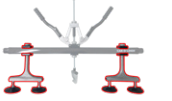







Avoid galvanic corrosion by keeping your tools separate. With these dedicated repair workstations, the possibility of cross-contamination with steel particles is reduced. With a built-in work area jobs can be completed efficiently and in one place.

Five versions to choose from giving you full flexibility to meet your workshop's needs. We offer four versions of the CR200 Workstation and one of the Aluminium Spotter Workstation. See details on next page.



CR200 WORKSTATION

SCOPE OF DELIVERY WORKSTATIONS

ITEM	PN	CR200 WORK- STATION 48422	CR200 WORK- STATION BASIC 49223	WORK- STATION 48243	WORK- STATION BASIC 49599	ALU SPOTTER WORK- STATION 46539
 1 x CR200 Spotter, 1 x 230V, 50-60Hz	48201	1	1			
 Aluminium Spotter, 1 x 230V, 50-60 Hz	46534					1
 Fast Puller for Carbon Fiber Pull Bar	47482	1		1		1
 Carbon Fiber Pull Bar, 20" 50 cm	47483	1	1	1	1	1
 Carbon Fiber Pull Bar, 41.5" 100 cm	47484	1		1		1
 Carbon Fiber Pull Bar, 67.5" 60 cm	47485	1		1		1
 Base for Support Group, 2 base application	49705	3		3	1	3
 Base for Support Group, 1 base applicatio	49705		1			
 Screw Puller Unit	49221	1	1	1	1	1
 Dent Puller Steel	39638	1	1			
 Claw, 6 fingers	47489	4	1	1	1	1
 Dent Puller, Aluminium	48203	1	1	1	1	1
 Aluminum Hammers, professional grade	47530	1	1	1	1	1
 Box Consumables & Accessories for Aluminium	50495	1	1	1	1	1




CR235 SPOTTER







COMBI SPOTTER: STEEL AND ALUMINIUM

This uniquely designed duo-spotter performs equally well pulling dents out of steel or aluminum body panels. It quickly attaches studs for dent pulling or grounding. The high-tech discharge process creates the weld without damaging heat sensitive aluminum parts. Equipped with 2 dedicated guns, one for steel and one for aluminium.







SCOPE OF DELIVERY

ITEM	PN
CR235 (INCL. ACCESSORIES)	50739
 1 X COMBI SPOTTER CR235, STEEL/ALU 1 X 230V, 50-60HZ	48707
 1 X Dent Puller, Alu/Steel	39638
 1 x Electrode E30	41865
 1 x Slide hammer	41879
 1 x Holder for AN 4	47531
 1 x Holder with Multi-cooupling	47532
 1 X PSC Short Cycle Gun, L=3m	48202
 1 X Dent Puller, for PSC	48203
 1 X E64 electrode for RA & RAR (AL)	48205
 1 X Welding Electrode Holder	48661
 1 x Mass tip for PSC 48mm	48708
 1 x Mass tip for PSC 77mm	48709

ITEM	PN
CR235 (INCL. ACCESSORIES CONTINUED)	50739
 1 x Mass tip for PSC 108mm	48710
 1 x Welding Gun	48713
 1 x Double Function Tool	48715
 1 x Fast massa with cable	48716
 1 x Box Consumables & Accessories for Alu	50495
 1 x Box Consumables and Accesories for Steel	50496

CONSUMABLES

ITEM	PN
 1 x P4S package aluminium silicon studs Ø 4x16 (100 pcs)	47492
 1 x P4M package aluminium magnesium screw Ø 4x16 (100 pcs)	47493
 1 x RA AL package flat (50 pcs)	48206
 1 x RAR AL package twisted (50 pcs)	48207

STEEL SPOTTER CR35

FOR LIGHT JOBS

The CR35 is a sophisticated, microprocess-controlled spotter for welding and traction of all studs, nails, washers, rivets and bolts. It offers optimized welding programs such as: MR welding, TIP Welding, pulse heating and carbon electrode heating.

SCOPE OF DELIVERY

ITEM	PN
SPOTTER CR35 1 X 230V, 50-60 HZ, INC. SLIDEHAMMER	33434



ALUMINIUM SPOTTER

HIGH-PERFORMANCE DENT PULLING TOOL

This high-frequency inverter gives rapid welding and pulling. For aluminum repairs, it works equally as well while pulling dents out of steel body panels. Use to quickly attach studs for dent pulling or grounding. The high-tech discharge process creates the weld without damaging heat sensitive aluminum parts from the same system. scharge process won't damage heat-sensitive aluminium parts.



SCOPE OF DELIVERY

ITEM	PN
ALUMINIUM SPOTTER, 1 X 230V, 50-60 HZ	46534








CR200 SPOTTER

SHORT CYCLE STEEL AND ALUMINIUM SPOTTER

The CR200 boosts efficiency for quick dent repairs, allowing vehicles to be quickly moved through the repair process, increasing shop productivity and profitability. This spotter uses a unique short cycle welding process which is highly effective for both aluminum and steel automotive bodywork when welding screws, pins and accessories such as washers and keys.



SCOPE OF DELIVERY

ITEM	PN
CR200 SHORT CYCLE STEEL & ALUMINIUM SPOTTER, 1 X 230V, 50-60 HZ	48201
 1 X PSC Short Cycle Gun, L=3m	48202
 1 X Dent Puller, for PSC	48203
 1 X E64 electrode for RA & RAR (AL)	48205
 1 X Welding Electrode Holder	48661
 1 x Mass tip for PSC 48mm	48708
 1 x Mass tip for PSC 77mm	48709
 1 Mass tip for PSC 108mm	48710

PC40 PLASMA CUTTER

CUT THROUGH ANY CONDUCTIVE MATERIAL IN SECONDS

Accurate, clean, high-strength cutting, the PC40 Plasma Cutter is the perfect cutting tool for all high-strength steels. Using inverter technology, the 230V, PC40 Plasma Cutter guarantees accurate and clean plasma cuts up to 10mm in thickness. Easy to handle and operate, this system is suitable for cutting thin materials at high speed.

SCOPE OF DELIVERY

ITEM	PN
PC40 PLASMA CUTTER, 1 X 230V, 50-60HZ	46553



SPOT DRILL KIT

EASY DRILLING WITH AN AUTOMATIC SYSTEM








The depth can be easily regulated using the positioning ring and checked by moving the counter-stay backwards. With the yoke fitted, the drill moves automatically towards the spot welds when the trigger is depressed to the half-way position.



SCOPE OF DELIVERY

ITEM	PN
SPOT DRILL, 1800RPM	32686

SPARE PARTS

ITEM	PN
 Adapter Kit Spot Drill: includes Bushing 32885 & Drill Support 32886	32948
 1 x Bushing	32885
 1 x Drill Support	32886
 5 x Spot Drill 45x8mm W599	32863
 3 x Drill bits B.O.R 3/paket	33939
 5 x Drill bits HSS 5/paket	33940
 1 x Oil B.O.R	33941

CMI300 MIG/MAG WELDER

A COMPACT, FULLY DIGITAL WELDER IN 3 VERSIONS

The CMI300 includes 36 pre-set programs. These programs meet the requirements for welding and brazing of the high-tensile steel and aluminium used in the auto industry. The CMI300 Pulse features double pulse for welding and brazing – a function required by many of our OEMs.



Shown with optional Overhead Torch Holder

SCOPE OF DELIVERY

MODEL		GUN AND HOSE	WIRE LINER	WIRE FEEDER	PN
CMI300 PULSE SINGLE 3 X 400V	 ML150 ML240 Twist	ML240, TwistR, 3m, 1.2 Alu nozzle	Teflon 1.2 - 1.6	U-1.2	49573
CMI300 PULSE DUO 3 X 400V		ML150 Twist, 3m, 0.8 nozzle ML240 Twist 3m, 1.2 Alu nozzle	Steel 0.8 - 1.0 Blue Teflon 1.2 - 1.6	V-0.8 U-1.2	49574
CMI300 PULSE TRIO 3 X 400V		ML150 Twist 3m, 0.8 Fe nozzle ML240 Twist, 3m, 1.2 Alu nozzle ML240 Twist, 3m, 1.0 Cu nozzle	Steel 0.8 - 1.0 Blue Teflon 1.2 - 1.6 Teflon 0.8 - 1.2	V-0.8 U-1.2 U-1.0	49575

OPTIONAL ACCESSORIES

ITEM	PN
 OVERHEAD TORCH HOLDER For duo and trio models	49503

CMI183, CMI223 & CMI273

ROBUST & VERSATILE MIG/MAG WELDERS FOR ADVANCED WELDING

The CMI-welders are compact, fully digitised welding machines with synergic, preset welding programs and automated functions. The machines are designed for modern materials used in the auto business and meet the increasing demands for joining materials. The CMI273 Pulse version provides Auto-pulse technology for advanced pulse welding of aluminum. With the Twin models you can efficiently switch between key materials!



SCOPE OF DELIVERY

MODEL		GUN AND HOSE	WIRE LINER	WIRE FEEDER	PN
CMI183 3 X 400V		ML150 Twist R 4m 0,8 nozzle	Steel 0.8-1.0 Blue	V-0.8	46444
CMI223 3 x 400V		ML150 Twist R 4m 0,8 nozzle	Steel 0.8-1.0 Blue	V-0.8	43799
CMI223 TWIN 3 x 400V		ML150 Twist R 3m 0,8 nozzle	Steel 0.8-1.0 Blue	V-0.8	43800
CMI273 3 X 400V		ML240 Twist R 4m 1,0 ALU nozzle	Teflon 1.2 - 1.6	U-1.0	
CMI273 TWIN 3 X 400V		ML240 Twist R 4m 0,8 nozzle	Steel 0.8-1.0 Blue	V-0.8	46446
CMI273 PULSE 3 X 400V		ML240 Twist R 4m 0,8 nozzle	Steel 0.8-1.0 Blue	V-0.8	46442
CMI273 PULSE TWIN 3 X 400		ML240 Twist R 4m 1,0 ALU nozzle	Teflon 1.2 - 1.6	U-1.0	
		ML240 Twist R 4m 1,0 ALU nozzle	Teflon 1.2 - 1.6	U-1.2	46448
		ML150 Twist R 4m 0,8 nozzle	Steel 0.8-1.0 Blue	V-0.8	46450
		ML240 Twist R 4m 1,2 ALU nozzle	Teflon 0.8 - 1.2	U-1.0	

MIG/MAG CMI™ 161

COMPACT AND PORTABLE MIG/MAG WELDER

The CMI™ 161 is a handy, portable, versatile and compact multiprocess machine, primarily for MIG welding but also for the MMA welding process. It is a modern mono-phase 230V inverter machine suitable for workshop use and site welding operations that features MPS automatic spot and stitch welding.








SCOPE OF DELIVERY






	ITEM	PN
	CMI™ 161, 230V, 160A, 1-PH	46443
	1 x Torch with remote, ML161 3m 0.8 Steel	Included
	1 x Feed roll 0.6 - 0.8mm Steel wire	35262
	1 x Wire liner 0.8-1.0 Steel	33128
	1 x Gas Nozzle ML150	33126

OPTIONAL ACCESSORIES



	ITEM	PN
	1 x Feed roll 0.8 - 1.0mm Steel wire	50010



OPTIONAL ACCESSORIES CMI 183, 223, 273 & 300

	ITEM	PN
TORCH ACCESSORIES		
	Wire Liner - 0,8 - 1,0 mm Steel (Blue)	33128
	Wire Liner - 0.6 - 0.8 mm Steel (White)	49528
	Wire Liner teflon - 1.0 - 1.6 mm Alu	33129
	Wire Liner - 0.8 - 1.2 mm Alu/Cu	49508
	Cone-shaped welding gas nozzle ML150	33126

	ITEM	PN
WIRE FEED KITS		
	Wire Feed Kit 0,6	44746
	Wire Feed kit 1.0V (Blue)	49494
	Wire Feed Kit 1.2U (Red)	47994
	Wire Feed Kit 1.0U (Blue)	46557
	Wire Feed Kit 0.8V (Blue)	34347

OPTIONAL ACCESSORIES CMI 183, 223, 273 & 300

ITEM	PN
WIRE FEED KITS	
	Wire Feed Kit 0.9V (Grey) 49492
	Wire Feed Kit 0.9U (Grey) 49493




ITEM	PN
HOSE PACKAGES WITH REMOTE	
	ML240 Twist 4m 0.6-0.8 FE (white) 49486
	ML240 Twist 4m 0.8-1.0 FE (blue) 49487
	ML240 Twist 4m 0.8-1.2 Alu/Cu 49488
	ML240 Twist 3m 0.6-0.8 FE (white) 49489
	ML240 Twist 3m 0.8-1.0 FE (blue) 49490
	ML240 Twist 3m 0.8-1.2 Alu/Cu 49491
	ML150 Twist 3 m 0.8 Steel 48753
	ML 150 Twist 4 m 0.8 Steel 50932

ITEM	PN
CONTACT TIPS	
	Contact tip 0.6mm - M6 - Cu 49495
	Contact tip 0.8mm - M6 - Cu 33130
	Contact tip 1.0mm - M6 - Cu 35260
	Contact tip 1.2mm - M6 - Cu 33131
	Contact tip 0.8mm - M6 - CuCrZr 49496
	Contact tip 1.0mm - M6 - CuCrZr 49497
	Contact tip 1.2mm - M6 - CuCrZr 49498

ITEM	PN
GALVANIZED WIRE	
	SG2 0.6 mm 5 kg D200 36432
	SG2 0.8mm 5 kg D200 34345
	SG2 0.8 mm 15 kg D300 34346

ITEM	PN
ALUMINIUM WIRE	
	AlMg 5 1.0 mm 2 kg D200 35178
	AlMg 5 1.2 mm 2 kg D200 48733
	AlSi 5 1.2 mm 6 kg D300 50783
	AlMg 5 1.0 mm 6 kg D300 34344

ITEM	PN
MIG BRAZING WIRE PSA	
	CuAl 8 1.0mm 5 kg D200 34049
	CuAl 8 0,8 mm 5 kg D200 33418
MIG BRAZING WIRE GM	
	CuSi 3 1.0mm 5 kg D200 34202
	CuSi 3 0.8 mm 5 kg D200 34343
	Adapter for 5 kg (11.0 lb) reel 33509

ITEM	PN
REGULATORS	
	Gas regulator Argon/mix with manometer Operating range: 0-35 l/min. Max 200 bar primary pressure Inlet thread: W24.32x14/1" Outlet thread: G3/8" 34203
	Flow Meter, for measuring of CO ² and argon levels (l/min) 48740
	Nozzle and wire cutter D =12 -15 48739

PNP90 XT² | PNP90

UNIVERSAL OEM APPROVED RIVETING SYSTEM

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 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.



PNP90 XT²



PNP90 XT² + DS XT²



PNP90

SCOPE OF DELIVERY

ITEM	PN
 <p>PNP90 XT² + BLIND RIVET GUN Includes PNP90 XT² (48107) plus: 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 Ejecto</p>	48109
 <p>PNP90 XT² RIVET GUN, 10-TON Includes: PNP90 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"</p>	48107
 <p>PNP90 XT² & DS XT² Stamping and Riveting tool with docking station. Includes: Pressure Generator PNP90 SNW XT², Docking Station DS XT², Hydraulic Actuator XT², Handle M8, Riveting Tool Set JLR, Art. no. 49411, Hose Package Duo, Rivet Clamp NB45. Approved by Jaguar Land Rover</p>	49271
 <p>PNP90, RIVET GUN, 6-TON Includes: PNP90 w/ pressure intensifier, Hydraulic Gun, Rivet Clamp NB40, 2 x Locking Pins</p>	48416
 <p>BLIND RIVET GUN + BASIC TOOL KIT Includes: Blind Riveting Tool BNW25 with universal adaption and mandrel collector, Accessories Universal Adaption, Operating Unit & Assembly spanners</p>	48112
 <p>BLIND RIVET GUN + EXTENDED TOOL KIT 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, DN6</p>	48150



Detailed information on the kit contents may be found in the PNP90 XT² and PNP90 Spare Parts list.

OPTIONAL ACCESSORIES







STORAGE CART RIVET SYSTEM

ITEM	PN
 <p>STORAGE CART RIVET SYSTEM</p> <p>Includes: 4 drawers with custom designed foam inserts to safely hold all system tools, parts and supplies in place.</p>	48210



UPGRADE KITS

ITEM	PN
 <p>PNP90 TO PNP90 XT² UPGRADE KIT</p> <p>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</p>	48111
 <p>DS XT² UPGRADE KIT</p> <p>Includes: Docking Station DS XT² Riveting Tool Set 49411 JLR</p>	49272

RIVET CLAMPS

ITEM	PN
 <p>NB115 RIVET CLAMP, 6-TON</p>	45711
 <p>NB230 RIVET CLAMP, 6-TON</p>	45712
 <p>NB130 RIVET CLAMP, 10-TON</p>	48080
 <p>NB240 RIVET CLAMP, 10-TON</p>	48081
 <p>RIVETING CLAMP KIT</p> <p>Includes: Rivet Clamp NB130 Rivet Clamp NB240 Approved by Jaguar Land Rover</p>	48240
 <p>SPACER FOR NB230</p>	45752


RIVETING KITS

ITEM	PN
 <p>BLIND RIVETING NUTS TOOL KIT (Additional to 48112)</p>	48105
 <p>BLIND RIVETING TOOL KIT FOR SETTING ALL RIVETS USING THE EJECTOR (Additional to for 48112)</p>	48106


ADAPTER

ITEM	PN
 <p>Adapter, short M6/M8</p>	49232

CONSUMABLES

ITEM	PN
 <p>Elastomer rings for mandrels</p>	45720

CASES













ITEM	PN
 <p>CASE: PNP90 XT² & PNP90 PUMP</p>	45771
 <p>CASE: BLIND RIVET TOOL</p>	48100
 <p>CASE: CLAMPS 48080 / 48081</p>	48099




























Detailed contents of each mandrel kit as well as blind rivet applications may be found in the PNP90 XT2 & PNP90 Spare parts list.

OPTIONAL ACCESSORIES












DESCRIPTION		PN
MANDREL KIT BMW 		45709
	1 x Rivet Stamp Ø3	45714
	1 x Rivet Stamp Ø5	45715
	1 x Rivet Stamp Ø6	45716
	1 x Repair Set	45717
	1 x Extract mandrel	45718
	1 x Spacing Bolt Kit	45719
	1 x Key Set SW13/SW16	48187




















DESCRIPTION		PN
MANDREL KIT FORD 		48188
	1 x Key Set SW13 / SW16	48187
	1 x Cavity TDG10-220	48190
	1 x Cavity TDP09-200	48191
	1 x Cavity TDP11-200	48192
	1 x Extraction Die Ø5.5 mm	48193
	1 x Punching Mandrel Ø3.75 mm	48198
	1 x Extraction Mandrel Ø4.6 mm	48194
	1 x Holder up 41 mm	48199
	1 x Cavity TDG11-220	48195
	1 x Cavity TDP10-200	48196
	1 x Cavity TDZ09-025	48197
	1 x Rivet Bolt Ø5-20 mm	48200
	1 x Rivet Bolt Ø5-20/8 mm	48189

DESCRIPTION		PN
MANDREL KIT JAGUAR/LAND ROVER 		48151
	1 x Extraction Die Ø5.5 mm	48152
	1 x Extraction Mandrel Ø3.7 mm	48156
	1 x Extraction Die Ø8.2 mm	48160
	1 x Extraction Mandrel Ø5 mm	48158
	1 x Extraction Die Ø8.2 mm, long	48154
	1 x Extraction Mandrel Ø4.6 mm	48157
	1 x Closing Head Conical	48153
	1 x Closing Head Flat	48155
	1 x Rivet Bolt Ø8.8 mm	48159
SELF-PIERCE RIVETING TOOL SET JLR XT² 		49411
	Reshaping Punch	48040
	Wrench SW16 / SW20	48043
	Cup	48057
	Conical Closing Head	49550
	Closing Head Flat Ø10 mm	49546
	Closing Head Flat Ø11 mm	49551
	Extraction Mandrel Ø3.7 mm	49547
	Extraction Die Ø5.5 mm	49552
	Extraction Mandrel Ø5 mm	49542
	Extraction Die Ø8.2 mm	49553
	Extraction Mandrel Ø4.6 mm	49543
	Extraction Die 28 mm long	49554
	Rivet Bolt Ø8.8 mm	49548
	Rivet Bolt Ø7.8 mm	49555

OPTIONAL ACCESSORIES

DESCRIPTION		PN
MANDREL KIT MERCEDES-BENZ PUNCHING		48101
	1 x Slide Bushing Ø6mm	48027
	2 x Punching Die Ø6mm	48028
	1 x Blanking Die Ø6mm	48029
	1 x Slide Bushing Ø8mm	48030
	2 x Punching Die Ø8mm	48031
	1 x Blanking Die Ø8mm	48032
	1 x Punching Die Holder	48033
	1 x Wrench SE 16 / SW20	48043

DESCRIPTION		PN
MANDREL KIT MERCEDES-BENZ FORM FLOW RIVETS		48102
	1 x Flow Form Die Ø6mm	48034
	1 x Flow Form Stamp Ø6mm	48035
	1 x Integrally Forming Die Ø6mm	48036
	1 x Flow Form Die Ø8mm	48037
	1 x Flow Form Stamp Ø8mm	48038
	1 x Integrally Forming Die Ø8mm	48039
	1 x Reshaping Die	48040
	1 x Mandrel	48041
	1 x Piecing Mandrel	48042
	1 x Wrench SE 16 / SW20	48043
	1 x Cup	48057

DESCRIPTION		PN
MANDREL KIT VOLKSWAGEN/AUDI		48161
PRESSING OUT RIVETS		
	1 x Pressing-out Rivet R14/D14	48183
	1 x Pressing-out Rivet P4/S4	48165
	1 x Pressing-out Rivet P1/S1	48162
	1 x Pressing-out Rivet P5/S5	48166
	1 x Pressing-out Rivet P5/S5	48172
	1 x Pressing-out Rivet R4/D4	48173
HOLE PUNCHING AND STAMPING		
	1 x Hole Punching & Stamping R6/D6	48175
	1 x Hole Punching & Stamping R15/D15	48184
	1 x Hole Punching & Stamping R10/D10 Pressing-out Rivet	48179
	1 x Rivet Stamp R11/D11	48180
	1 x Hole Punching & Stamping R12/D12	48181
	1 x Hole Punching & Stamping R7/D7	48176
	1 x Rivet Insert R16/D16	48185
PRESSING FULL RIVETS		
	1 x Pressing Full Rivet R8/D8	48177
	1 x Pressing Full Rivet R9/D9	48178
	1 x Pressing Full Rivet R17/D17	48186
SETTING SELF-PIERCING RIVETS		
	1 x Setting Self-piercing Rivet P2/S2	48163
	1 x Setting Self-piercing Rivet P6/S6	48167
	1 x Setting Self-piercing Rivet P3/S3	48164
	1 x Setting Self-piercing Rivet P7/S7	48168
	1 x Setting Self-piercing Rivet P8/S8	48169
	1 x Key Set	48187

CBR2000

BATTERY-POWERED, BRUSHLESS BLIND RIVET TECHNOLOGY





CBR2000 is a professional, battery-driven riveting tool for mounting pop rivets up to \varnothing 6,4 mm. Thanks to its brushless motor and a setting force of 20.000 N this riveting tool is perfect for mounting structural pop rivets.

With this professional, flexible tool you never need worry about cables being constantly in the way and you can mount pop rivets where and when you want. CBR2000 features good ergonomics, high-speed and long operating time.



SCOPE OF DELIVERY

ITEM	PN
BLIND RIVET TOOL CBR2000, CPL. 1 BATTERY	49712
BLIND RIVET TOOL CBR2000, CPL. 2 BATTERIES	49713
Nosepieces	7/24, 17/27, 17/29, 17/32
Maintenance Wrench	SW12
Slide In/Out Battery	18 Volt / 2.1 Ah
Charger	110 -240 AC Voltage

COMPATIBLE RIVETS	
Non-Structural Nail Type Blind Rivets 	All Materials: \varnothing 2.4 up to 6.4 m Aluminum: \varnothing up to 8mm
MEGA GRIP® Multi-Grip Blind Rivets 	Aluminum: \varnothing up to 6.6mm Steel: up to 6.6mm
BULB-TITE® Bulb-Type Structural Blind Rivets (Except G-Bulb 6.4 \varnothing) 	All materials: \varnothing up to 7.7mm
PolyGrip® Multi-Grip Blind Rivets 	All Materials: \varnothing up to 6.4 m

CUSTOMER SUPPORT

You will find our Customer Support centers at Car-O-Liner, Sweden, or at our subsidiaries located in Norway, Germany, France, United Kingdom, Italy, China, India, United States, Thailand and the Middle East. Wherever you are, Car-O-Liner provides our customers with product information, training, support or data subscription/renewal.

CHINA:

+86 10 6789 2123
info@car-o-liner.cn

INDIA:

+91 844 757 0029
info.india@car-o-liner.se

NORWAY:

+47 3343 0270
info@car-o-liner.no

UNITED KINGDOM:

+44 1788 574 157
info@car-o-liner.co.uk

FRANCE:

+33 (0)1 344 858 78
info.france@car-o-liner.se

ITALY:

+39 0522 733 411
info.carolineritalia@car-o-liner.se

SWEDEN:

+46 31 721 1050
info@car-o-liner.se

UNITED STATES:

1-800 521 9696
info@car-o-liner.com

GERMANY:

+49 (0) 6073 74487-0
info.germany@car-o-liner.se

MIDDLE EAST/AFRICA:

+971 6 566 8702
info@caroliner.ae

THAILAND:

+66 2 026 32 55
info.apac@car-o-liner.se

FIND A DISTRIBUTOR NEAR YOU

car-o-liner.com

CAR-O-LINER®

CAR-O-LINER® ssc01h23001 JOINING & HEATING CATALOG 2023 (EN-EU)



car-o-liner.com



Car-O-Liner Group AB
Hulda Mellgrens Gata 1
SE-421 32 Västra Frölunda, SWEDEN
+46 31 721 10 50 info@car-o-liner.se

Product images are for illustrative purposes only and may differ from the actual product. Car-O-Liner® reserves the right to modify any content without prior notice.
Car-O-Liner® (2022) is a trademark of Snap-on® Incorporated. All rights reserved.