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www.shop.schrader-pacific.fr

GB EDITION N° 19

AFTERMARKET PRODUCTS CATALOGUE

SCHRADER PACIFIC®
Tire Hardware Solutions



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LIGHT VEHICLE

This catalogue presents the Schrader Pacific Tire Hardware solution products sold when it was released. It is a working tool for professionals who will find in it the most commonly used valves, accessories, tools and equipment for garages.
We provide some technical information to help you use the products under optimal conditions and thus facilitate your maintenance operations. Our technical and sales teams are at your service to provide you the support you need.

Terms and Conditions of Sale

By submitting an order, you accept the terms and conditions of sale regarding our prices and invoices. The terms and conditions may not under any circumstances be cancelled by contrary terms and conditions of sale.

Updates

Schrader S.A.S. reserves the right to make any modifications deemed appropriate to this catalogue or the products themselves without prior notification. You will find in our price list the exact list of products sold. Our customer service department is here to help you with any specific procurement or training issues.



CHAPTERS

Presentation

1 Passenger vehicle valves

2 Valve cores and caps
Air conditioning products

3 Balancing products

4 Inflation/compressed air equipment

5 Tire and inner tube repair products and parts

6 Repair tools and vulcanization equipment

7 Tire mounting products
WORKSHOP SERVICE RANGE and PPE

8 [ETRTO index](#)
[Reference index: alphabetical and numerical](#)

HOW TO PLACE YOUR ORDER

Request your login and password to access your **shop.schrader-pacific.fr** account for the "Tire equipment and consumables" category.



www.shop.schrader-pacific.fr

To avoid any confusion when placing your order, we recommend that you include, FOR EACH PRODUCT:

- the complete Schrader Pacific Tire Hardware Solutions reference, e.g.:
- the Description, e.g.: "MASTAIR tire inflator gauge in bar"
- the quantity ordered.

39000-00

The packaging indicated on our prices may not be broken into fractions. We thus reserve the right to round the quantity requested up to the quantity that is the next highest standard multiple.

CUSTOMERS France

Call Center:
Tel. 03 81 38 56 60
Fax +33 (0)3 81 38 56 81

Tire specialists and automobile distributors.

In France, and on customer request, any order for products in stock received before 3 p.m. can be delivered within 24 hours.

EXPORT CUSTOMERS

Call Center:
Tel. +33 (0) 381 38 56 27
Fax +33 (0)3 81 38 56 81

Network of distributors in Europe, Africa, the Middle East, the Far East and Asia.

TECHNICAL INFORMATION ABOUT THE PRODUCT

	Technical information about the product
	Product standards
	Diameter of the rim hole
	Website for more information
	Video available / Update via Internet
	Intra-Schrader Pacific tire Hardware Solutions or on-site training
	Part storage: Store parts, products and liquids away from light, in a dry, clean place and adhere to storage temperatures
	High-Quality product
	Premium Range and Better quality-price ratio
	Spare parts
	Schrader Pacific Tire Hardware Solutions After Sale Service
	Destruction in accordance with Directive 2022/96/EC
	Expiration date
	Identification of the different types of weights
	Safety sheet available
	Instructions on demand or on shop.schrader-pacific.fr
	Appropriate Personal Protection Equipment
	Trick product
	Light product
	Product favourites

TRAINING IN PONTARLIER & ON SITE



Training in Pontarlier & on site: Personalised service, customised offer

- Training centre recommended for professional training. Declaration registered under No. 43 25 01928 25 with the local government of the Franche-Comté Region.
- TPMS pressure sensors (repair, mounting, programming)
- Cold and hot tire repair
- Mounting and dismounting of tires.

AFTER SALE SERVICE



After sale service: A trained & experienced aftersales team

Mounting, calibration, repair and maintenance:

- Pressure gauges
- Hydropneumatic jacks
- Tire re-groover
- Civil engineering and agricultural mounting tools
- Torque wrenches

For non-manufactured products, Schrader Pacific Tire Hardware Solutions has obtained tool supplier approvals for internal aftersales services.

Service SAV Schrader SAS
Quai n° 2 - Rue Jean Mermoz
25300 Pontarlier - France
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Tourism



Tourism

Chapter 1

Snap-in type rubber tubeless valve ORIGINAL
Schrader Pacific Tire Hardware
Solutions, 50 years of experience= Quality & safety.

QUALITY AND SAFETY.

With its experience in new vehicle fitting with automobile manufacturers and tire manufacturers, Schrader Pacific Tire Hardware Solutions offers in the aftermarket a complete range of tubeless valves compliant with ETRO and ISO standards.

VALVE REPLACEMENT AND MAINTENANCE.

why ?

Valves are subject to a lot of strain:

- Bending from centrifugal force
- Extreme temperature change due to their close proximity to brake drums or discs
- Poor weather conditions and salty air, road salt, etc.
- Natural ageing of the rubber
- Corrosion of aluminium valves
- Hydrocarbons

MANUFACTURING AND LABORATORY TESTS.

Approved and proven quality system.

Rubber valves:

- Automatic 100% airtightness controls in production
- Ozone, bending and impact-proof
- Airtightness at temperatures from -40 to + 100°C
- Blowout, placement and tear-off tests
- Over-pressure tests carried out at 13 bar for 2 mins.

Metal valves:

- Resistance to mechanical stresses
- Resistance to saline mist



PARTS DRAWINGS:

The valves, valve cores and caps are shown in the catalogue **to scale**.

CAR VALVES



TRADITIONAL CAR VALVES

• Rubber tubeless valves (snap-in)	12
TR412 - TR413 - TR414 - 414L - TR418.	
• High-pressure rubber tubeless valves (snap-in).....	13
TR600HP - TR801HP. HP tubeless with nickel-coated brass base.	
• Rubber tubeless valves for inner tube	14
TR13 - TR15 and ring.	
• Metal tubeless valves in raw brass or in nickel-coated brass (clamp-in)	15
1533 - TR430 - TR416S - Especially for campers.	
• Metal tubeless valves in nickel-coated brass (clamp-in).....	16
TR416S.	
• Light alloy tubeless valves (clamp-in).....	16 - 17
• Rigid plastic extensions	17

RUBBER TUBELESS VALVES



- Valves mounting tools ref. S4032-1 or 65027-67:
- Check that rim holes are free from burrs and have a smooth, flat rust-free surface.
 - NB: rubber valves must be mounted on all rim types (aluminium or steel) having a minimum thickness of 1,8 min. at maxi 3,5 mm.
 - Very strong tools. • Over-pressure tests carried out at 13 bar.
 - Cold and heat resistance -40° to +100°C.



	TR 412 (V2.03.6)	Quantity per box	Packs of 100 per box
(L)	S-4040-2	10	
(L)	S-4040-3	100	
(L)	S-4040-55		10
(A)	66501-80		10

	TR 413 (V2.03.1)	Quantity per box	Packs of 100 per box
(C)	R-1496-2	10	
(C)	R-1496-3	100	
(L)	S-4636-55		10
(L)	S-4636-5		5 or 10
(A)	66504-80		10

	TR 414 (V2.03.2)	Quantity per box	Packs of 100 per box
(C)	R-0756-2	10	
(C)	R-0756-3	100	
(L)	S-4638-55		10
(L)	S-4638-5		5 or 10
(A)	66507-80		10

(C) OE valves assembled complete with core and plastic cap.
(L) Standard AM valves assembled with core and sealing cap.
(A) Standard AM valves delivered paired (core and cap not mounted).



	414 L (V2.03.8)	Quantity per box	Packs of 100 per box
(C)	R-1878-2	10	
(C)	R-1878-3	100	
(L)	S-4640-55		10
(A)	35167-69		10

	TR 418 (V2.03.4)	Quantity per box	Packs of 100 per box
(C)	R-1799-2	10	
(C)	R-1799-3	100	
(L)	S-4642-55		10
(A)	66513-80		10

	TR 413 Chrome-plated	Quantity per box	Packs of 100 per box
	66505-68	10	
	66505-69	100	
	66505-80		10

	TR 414 Chrome-plated	Quantity per box	Packs of 100 per box
	66508-69	100	
	66508-80		10

HIGH-PRESSURE RUBBER TUBELESS VALVES

Standard AM valves assembled with core and cap.

OE
approved Valves



	TR 600 HP (V3.23.1)	Quantity per box
	43025-68	10
	43025-69	100



	TR 801HP	Quantity per box
	65664-68	10

Standard AM valves assembled with core and cap.
• OE approved nickel-coated brass valves.



	Quantity per box
65752-68	10
65752-69	100



	Quantity per box
65753-68	10
65753-69	100



	Quantity per box
65754-68	10
65754-69	100

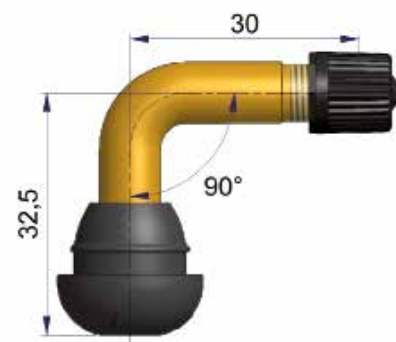


BRASS TUBELESS VALVES



(C) OE valves assembled complete with core and plastic cap.
(L) Standard AM valves assembled with core and sealing cap.

11,5



TYPE	Quantity per box
Scooter 41558-68	10

16



TR 415 (V2.03.3)	Quantity per box	Packs of 100
(L) S-4156-2	10	
(L) S-4156-3	100	
(L) S-4156-55		10

► VALVES FOR INNER TUBES

Valves for cold cure with butyl rubber spud sold unbuffed.



11,5

16

	Quantity per box
S-4008-1 TR 13 (V2.01.1)	1
S-4010-1 TR 15 (V2.01.2)	1



	Quantity per box
R-0990-2 Intermediate ring for valve mounting TR 13 in a 16 mm rim hole	10
R-0990-3	100

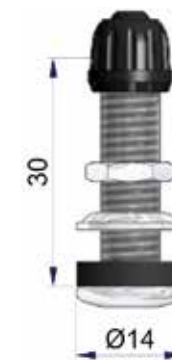
TUBELESS VALVES OR VALVES FOR INNER TUBES AND EXTENSION



- High speeds (top-of-the-line vehicles): at high speeds, valves are subjected to stress due to the centrifugal force.
 - Metal clamp-in tubeless valves are recommended for intensive use
 - Replace the sealing washer each time you remove the tire

8,5

Nut tightening torque: 3 to 5 N.m.



TR 430 (V1.11.1)	Quantity per box	Spare washer
For motorcycles S-4043-2	10	2 Seals 35127-68

9,7

Nut tightening torque: 12 to 15 N.m.



Nickel-coated	Quantity per box	Spare washer
R-1533-2	10	R-1419-2

11,5

Nut tightening torque: 3.5 to 4.6 N.m.



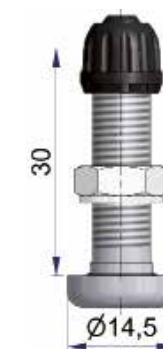
TR 416-S	Quantity per box
R-2103-2	10

METAL TUBELESS VALVES

► LIGHT ALLOY (FOR LIGHT ALLOY WHEELS)

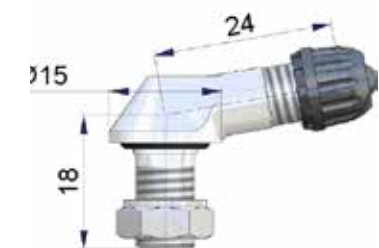
8,5

Nut tightening torque: 7 to 10 N.m.



(V1.10.1)	Quantity per box
For motorcycles R-1674-2	10

8,5



For motorcycles	Quantity per box
42396-67	1



METAL TUBELESS VALVES

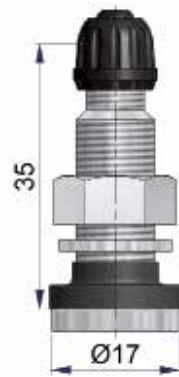
► NICKEL-COATED BRASS

Also suitable for Michelin alu truck wheels.

11,5



Nut tightening torque: 3 to 6 N.m.



TR 416-S (V2.05.1)	Quantity per box	Spare washer
S-4042-2	10	35440-68

TR 416-S (V2.05.1)	Quantity per box
S-4042-G	10

TR 416-S	Quantity per box	Spare washer
42039-68	10	35440-68
42039-69	100	

METAL TUBELESS VALVES

► LIGHT ALLOY (FOR LIGHT ALLOY RIMS)

11,5

MAXI
210 km/h



11,5



9,7



Nut tightening: 10 to 12 N.m.

For motorcycles angled	Quantity per box
65252-68	10

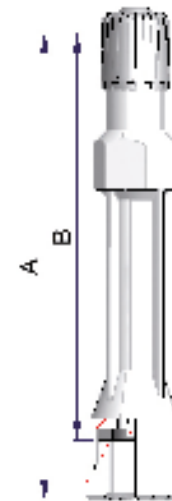
(V2.04.1)	Quantity per box	Spare washer
R-1446-2	10	R-1524-2

	Quantity per box	Spare washer
R-1578-2	10	R-1419-2

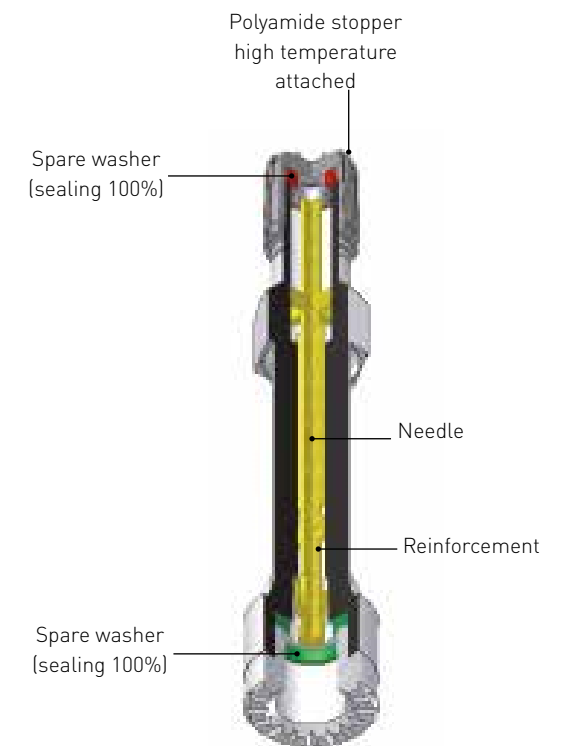
PLASTIC RIGID EXTENSIONS TOTAL SEALING

► SHORT SKIRT

Tightening torque
Mounting on the valve nose:
0,4 to 0,7 N.m.



	Total length A (mm)	Useful length B (mm)	Quantity per bag
42563-68	61	53,5	10
43249-68	101	93,5	10
42564-68	140	132,5	10

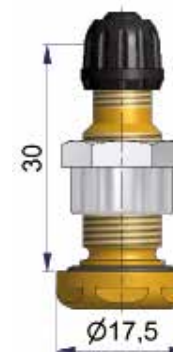


► FOR LIGHT COMMERCIAL AND CAMPERS

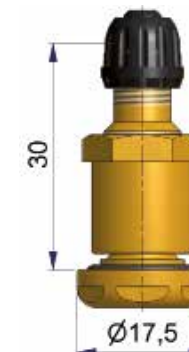
11,5

PRESSIONS
>4,5 bar
POSSIBLES

Nut tightening torque: 12 to 15 N.m.



(V2.04.1)	Quantity per box	Spare washer
R-1510-2	10	R-1524-2



	Quantity per box	Spare washer
R-1914-2	10	R-1524-2



Nickel-coated	Quantity per box
65765-68	10



Chapter 2

Good pressure is the first step in ensuring driver safety and the lifespan of a tire.

VALVE CORES AND CAPS COMPLIANT WITH ETRTO, ISO, ETC. STANDARDS

VALVE CORES:

- The valve core is what keeps the air in the tire or in the air conditioning system.
- It should be replaced with each mounting and dismounting operation.
- For inflation, use a connection that is in very good condition, with clean air.
- Adhere to the recommended torques.
- For installation of the valve stem with the correct torque, use tool T66690.

The valve cores presented in this catalogue are reserved for use with “automobiles”.

CAPS:

The sealing cap is the only cap ensuring the airtightness of the valve. By preventing the introduction of a foreign body in the functional part of the valve stem and preventing any leak from the valve, the cap thus ensures the protection of the valve assembly and interior (tube, valve stem).

VALVE CORES AND CAPS



VALVE CORES AND CAPS

• Valve cores	20
• Valve caps	20
• Valve cores for air conditioning R134A and 1234yf	21
• Caps for air conditioning R134A and 1234yf	21
• Boxes for air conditioning R134A and 1234yf	22

VALVE CORES AND CAPS



STANDARD FLOW

Cores



	(1) 37992-69 (2) 37992-80
Body material	Nickel-plated brass
Seal	Teflon
Tightness torque (N. m)	0,23 to 0,56
Operating pressure (bar)	0 to 14
Use	Core specially recommended for pressure sensors
Quantity per box	(1) 100 (2) 1000

Metallic caps



	60166-71	R-0638-3	33792-69
Body material	Chrome-plated	Sealing cap with core remover Nickel-plated brass	Knurled sealing cap Nickel-plated brass
Tightness torque (N. m)	0,2 to 0,35	0,2 to 0,35	0,2 to 0,35
ETRT0		V9.04.4	V9.04.3
Quantity per box	50	100	100

Caps



	(1) S-4000-3 (2) S-4000-5	(1) 30307-63 (2) 30307-53	30307-54	30307-57
Body material	Polyethylene	Polyethylene	Polyethylene	Polyethylene
Color	black	green	blue	yellow
Tightness torque (N. m)	0,2 to 0,3	0,2 to 0,3	0,2 to 0,3	0,2 to 0,3
Quantity per box	(1) 100 (2) 1000	(1) 100 (2) 1000	100	1000

Caps with o-ring

NBR: Nitrile-butadiene rubber.

Caps with o-ring for Schrader Pacific Tire Hardware Solutions and VDO pressure sensor



	R-1424-3	37900-63	(1) 37900-65 (2) 37900-58	(1) 42321-69	(1) T8029-100 (2) T8029-20	T8030-100
	High-temperature with washer	High-temperature with washer (nitrogen inflated)	High-temperature with washer	-	-	-
Body material	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide	Polyamide
Color	black	green	red	black	gris	green
Seal	NBR	NBR	NBR	NBR	NBR	NBR
Tightness torque (N. m)	0,2 to 0,35	0,2 to 0,35	0,2 to 0,35	0,2 to 0,35	0,2 to 0,35	0,2 to 0,35
Quantity per box	100	100	(1) 100 (2) 5000	(1) 100 (2) 20	(1) 100 (2) 20	100

AUTOMOBILE AIR-CONDITIONING PRODUCTS R134A AND 1234YF



STANDARD SHORT CORES



	42996-68	43000-68	43001-68
Valve washer	CR	FPM	HNBR
Tightness torque (N. m)	0,4 to 0,8	0,4 to 0,8	0,4 to 0,8
Fluid	R134a	1234yf	R134a
Quantity per box	10	10	10

Threaded body, only for use on appropriate vehicles
nitrile butadiene rubber
styrene-butadiene rubber



	32361-68
Valve washer	HNBR
Tightness torque (N. m)	0,56 to 1,13
Fluid	R134a
Quantity per box	10

- HNBR: hydrogenated nitrile butadiene
- CR: polychloroprene.
- FPM: fluorocarbon.
- EPDM: ethylene propylene diene rubber

LARGE BORE CORES



	37478-68	42393-68	41734-68	32421-68	32422-68
Valve washer	CR	EPDM	FPM	HNBR	HNBR
Tightness torque (N. m)	0,7 to 2,2	0,7 to 2,2	0,8 to 2,2	1,7 to 3,4	1,13 to 2,26
Fluid	R134a	R134a 1234yf	1234yf	R134a 1234yf	R134a 1234yf
Quantity per box	10	10	10	10	10

CAPS



	41143-20	41199-20	43380-20	43374-20
Use	High pressure	Low pressure	Low pressure	High pressure
Thread	M8 x 1	M8 x 1	M8 x 1	M8 x 1
Washer	NBR SBR	NBR SBR	NBR SBR	NBR SBR
Tightness torque (N. m)	0,6 to 1,15	0,6 to 1,15	0,6 to 1,15	0,6 to 1,15
Fluid	R134a	R134a	1234yf	1234yf
Quantity per box	20	20	20	20

NBR SBR:
nitrile-butadiene styrene-butadiene

BOXES



	66158-67
Use	For R134A
Composition du kit	10 cores 32361 10 cores 32421 10 cores 32422 10 cores 37478 10 cores 42393 10 cores 42996 20 caps 41143 20 caps 41199 1 valve core screwdriver 65290-67



	66818-67
Use	For 1234 yf
Composition du kit	10 cores 32421 10 cores 32422 10 cores 43000 10 cores 41734 10 cores 42393 20 caps 43380 20 caps 43374 1 valve core screwdriver 65290-67



		Quantity per box
T66690	Tool for tightening valve stems with Torque pre-set to 0.40 N.m.	1
T66690-10		10

Chapter 3

PASSENGER VEHICLE WEIGHTS.
Schrader Pacific Tire Hardware Solutions offers a complete range of weights made of STEEL and ZAMAK

UTILITY VEHICLE WEIGHTS.
A range of weights for balancing utility and 4x4 vehicle rims made of steel and aluminium with hooks or adhesives

BALANCING PRODUCTS



BALANCING PRODUCTS

- Car weights for steel and aluminium rims.....26
- Adhesive motorcycle and car weights.....27 - 28
- Weight kits and van weights29
- Tools for weights29
- Balancing beads.....30 - 33



BALANCE WEIGHTS

WEIGHTS WITH BUILT-IN SPRINGS FOR STEEL RIMS

Zinc coated



Zinc coated	Weight mass (g)	Quantity per box
S-6483-44	5	100
S-6511-44	10	100
S-6512-44	15	100
S-6513-44	20	100
S-6514-44	25	100
S-6515-44	30	100
S-6516-44	35	50
S-6517-44	40	50
S-6518-44	45	50
S-6519-44	50	50

ADHESIVE WEIGHTS FOR ALLOY RIMS



Extra plates Zinc-coated steel

Extra plates Zinc-coated steel	No. of bars per box	Division	Dimensions (mm)
65684-67 [adh. Norton]	50	4 x 5 g + 4 x 10 g = 60 g	Th. 3,6 width 19 long 148
66886-67 [adh. std]	50		Th. 4 width 19 long 140
66121-50	50		

Raw Zinc



Raw Zinc	Weight mass (g)	Quantity per box
65900-67	5	100
65901-67	10	100
65902-67	15	100
65903-67	20	100
65904-67	25	100
65905-67	30	100
65906-67	35	50
65907-67	40	50
65908-67	45	50
65909-67	50	50



Extra plates Zinc-coated steel

Extra plates Zinc-coated steel	No. of bars per box	Division	Dimensions (mm)
369-100	100	4 x 2,5 g + 4 x 5 g = 30 g	Th. 2,8 width 19 long 119

WEIGHTS WITH BUILT-IN SPRINGS FOR ALUMINIUM RIMS

Zinc coated



Zinc coated	Weight mass (g)	Quantity per box
41796-44	5	100
41797-44	10	100
41798-44	15	100
41799-44	20	100
41800-44	25	100
41801-44	30	100
41802-44	35	50
41803-44	40	50
41804-44	45	50
41805-44	50	50



MOTORCYCLE	No. of bars per box	Division	Dimensions (mm)
33622-39	50	4 x 5 g + 4 x 10 g = 60g	Th. 4.8 width 15 long 108.5
66122-50	50	7 x 5 g + 6 x 2,5 g = -50 g	Th. 7 width 11 long 105

BALANCE WEIGHTS

VAN WEIGHTS



	Weight mass (g)	Quantity per box
41211-67	30	50
41212-67	40	50
41213-67	50	50
41214-67	60	50
41215-67	70	25
41216-67	80	25

Parts sold in boxes

WEIGHT KITS



Kit contents	Weights for sheet steel rims	Weights for aluminium wheels
66058-67	40 x 10 g 40 x 15 g 40 x 20 g 40 x 25 g 40 x 30 g 20 x 35 g	40 x 10 g 40 x 15 g 40 x 20 g 40 x 25 g 40 x 30 g 20 x 35 g

TOOLS FOR WEIGHTS



	Designation	Quantity per box
65463-67	All-purpose balance weight pliers with soft head	1
65797-67	Adhesive weight removal tool	1
66119-67	Rubber wheel with 6mm adaptor stem for removing glue residue from rims (max 4000 rpm)	1

ADHESIVE WEIGHTS FOR ALUMINIUM RIMS



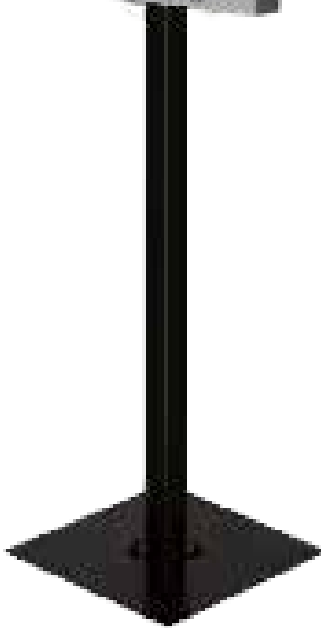
65744-67



66089-67



65745-67



66970-67



Cutting module 65817-67
Spare blades 65816-67

For alloy rims	Designation	Weight (kg)	Dimensions (mm)
65744-67	Wall dispenser for adhesive weights 65743-67 and 66089-67, cutting tool incorporated.	5,2	500 x 420 (sold empty)
65745-67	Wall dispenser for adhesive weights 65743-67 and 66089-67, cutting tool incorporated.	8,1	
66970-67	Roll of 1200 adhesive epoxy steel weights of 5g. Th. 3.5 width 17.	5	Th. 2,7 ø = 33,5
66089-67	Roll of 1200 adhesive zinc-coated steel weights of 5g. Th. 3.5 width 19.	6	Th. 2,5 ø = 30

BALANCING BEADS FOR COMMERCIAL AND 4X4 VEHICLES

► ELECTROSTATIC CLING BALANCING BEADS

- The beads automatically balance the complete wheel assembly whatever the wheel position, on both trucks and trailers thanks to the centrifugal force effect.
- The wheel assembly remains balanced even when the vehicle is stopped.
- Tire is balanced during its life time.
- No machinery needed.
- The product is environmentally friendly.
- Increases fuel economy and tire life.



Download the Counteract application for precise calculation of the appropriate quantity



	Contents		No. of packs per box
65115-67	113 g	4 oz	96
65116-67	142 g	5 oz	76
65117-67	170 g	6 oz	64
65118-67	227 g	8 oz	52
65119-67	282 g	10 oz	40
65120-67	340 g	12 oz	36
65121-67	397 g	14 oz	32
65122-67	454 g	16 oz	28

Parts sold in bags

INSTRUCTIONS

- To achieve maximum results, refer to recommended quantities chart for each tire size. Open the outer package and throw the inner bag into the tire. This method permits use of an inflating gauge to seat the tire on the rim.
 - The beads will automatically balance the complete wheel assembly.
- To remove the beads inside the tire before retreading, use the vacuum cleaner page 154.

Each pack of beads is sold with one core 43078 and one red cap 37900.

	Designation	Tightness torque (N.m)	Quantity per box		Designation	Tightness torque (N.m)	Operating pressure (bar)	Quantity per box
	37900-65		100		43078-69			
	Cap for identification of bead-balanced tires.	0.2 to 0.35	5000		Core specially recommended for bead-balanced wheels.	0.23 à 0.56	0 to 14	100

BALANCING BEADS FOR MOTORCYCLE/SCOOTER/BICYCLE

► ELECTROSTATIC CLING BALANCING BEADS



For the balancing of high-speed motorcycles (sport and racing bikes), consult a professional or contact us.



	Contents of the display case
61183-67	15 motorcycle bead kits 28+ (5x28/28g+5x28/57g+5x28/85g)
61184-67	15 motorcycle bead kits 57+ (5x57/57g+5x57/85g+5x85/85g)
61185-67	15 motorcycle bead kits 57/57 (15x57/57g)

BALANCING BEADS FOR MOTORCYCLE/SCOOTER/BICYCLE



Operation:

- For a smooth and comfortable ride
- When the balancing beads are installed inside the tire, the specially treated microspheres are distributed in the tire by the centrifugal force created by rotation of the wheel.
- As the force of the point of imbalance increases and moves the suspension system in an up and down movement, the inertia causes the beads to disperse in the opposite direction and moves rapidly until wheel balance is achieved.

Advantages:

- Reduces vibration for a more comfortable ride
- Extends the lifespan of the tires
- Saves fuel
- Eliminates the need for balancing weights
- Balances your wheels for the lifespan of the tire
- Compatible with TPMS

► USE OF BEADS

Tire width	Back	Front
80 - 120 mm		28g
80-120 mm (BMW Telelever only)		57g
130 mm		57g
130 - 240 mm	57g	
250mm - 360 mm	85g	
195 - 205 mm	85g	

All-terrain/with Gripster		
Tire width	Back	Front
80 - 120 mm		57g
130 - 203 mm	57g	

Tire width	
10"	28g
12" and more	57g

Tire width	
<10"	57g
<12"	85g
>12"	113g

Chapter 4

USING INFLATING GAUGES.

For best use of inflating gauges, we recommend that you:

- Check that the needle is positioned at zero $\pm$ 0.1 bar before each use
- Make sure you regularly bleed the compressed air network
- Use filtered, non-lubricated air
- Connect the device to a hose reel
- Regularly check airtightness of the intake and outlet hoses
- Not overtighten the intake side coupler
- Never lock the inflating gauge handle while in use

"DIRECCTE" APPROVAL FOR GAUGE APPROVAL

N° 16.10.821.007.4 du 28 december 2016

Regional directorate for competition, consumption, labour and employment.



"DIRECCTE" approves the quality insurance system implemented by SCHRADER S.A.S for the manufacture of mechanical manometers for automobile vehicle tires covered by E.C.-approved certificate models and for the affixing of their E.C. initial verification marks.

INFLATION AND COMPRESSED AIR EQUIPMENT



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MADE IN PONTARLIER, FRANCE



French-made pressure gauges are manufactured each day in Pontarlier, thanks to you!

CHOOSING A PRESSURE GAUGE

				
		Digit'air	Eurodigit	Univ'air
Low pressure		■	■	
Auto calibration		■	■	
		■	■	
		■	■	
		■	■	
		■	■	
		■	■	■
		■	■	■
Actuation		Handle	Handle	Handle
Display		Digital	Digital	Needle
Max overpressure		15 bar	15 bar	13,75 bar

CHOOSING A PRESSURE GAUGE

				
		Eurodainu	Mast'air	Maestro
		■	■	■
		■	■	■
Handle		Buttons	Buttons	Buttons
Needle		Needle	Needle	Needle
13,75 bar		15 bar	15 bar	7,5 bar

ELECTRONIC INFLATING GAUGES WITH HANDLE

AIR OR NITROGEN USE

DIGIT'AIR®

EURODIGIT®



0,10 to 11 bar



(2)
EURODIGIT

(1)
DIGIT'AIR



- EC approval certificate model LNE - 6952 rev. 3 of 1 July 2008.
- Conform to the European directive 86/217/EC and to standard AFNOR EN 12645

- Design - Robustness:
 - Very high level of measuring accuracy and maintenance of accuracy in the event of impact on the device
 - Strength: high-quality thermoplastic components
 - Corrosion-resistant thanks to internal mechanism made of specific materials
 - Air filtration in the indicator mechanism via microporous stainless steel and nickel silver filter
 - Device able to withstand accidental overpressure of 15 bar.

- Technology:
 - Automatic reset of zero on each inflation to prevent measurement drift
 - Resolution of 0.01 bar
 - Operating temperature: -10°C to +40°C
 - Easy to read, thanks to numbers with a height of 12 mm, display of the last smallest digit
 - Visual inspection of proper operation of digits on each pressurisation
 - Automatic turn on of pressure gauge when pressurised (Connection to the valve)
 - Automatic turn off when pressure removed or at constant pressure for more than 10 seconds
 - Battery service life: 10 years after manufacture in temperate environment (the battery is not replaceable)



initialisation Video

	Graduation	Hose 7 x 13 mm		Air inlet side Torquer	Use
		L (m)	Hose P/N		
(1)	39900-00	0,10 to 11 bar	1,5	39064-00	F-G 1/4
(1)	39901-00	1,4 to 160 psi *	1,5	39064-00	F-G 1/4
(1)	39902-00	10 kPa to 1100 kPa *	1,5	39064-00	F-G 1/4
(2)	39927-00	0,10 to 11 bar	1,5	39064-00	F-G 1/4
(2)	39929-00	1,4 to 160 psi *	1,5	39064-00	F-G 1/4

* Sold for export only and according to local regulations.

Parts sold separately

MECHANICAL INFLATING GAUGES WITH

AIR OR NITROGEN USE

UNIV'AIR®



(1)
UNIV'AIR



0,7 to 11 bar



(2)
UNIV'AIR

- Certificate of approval for LNE model No. 6952.
- DIRECCTE quality system certificate of approval No. 14.10.821.003.4.
- Declaration of verification delivered with product.

- Air inlet connector F G 1/4
- Watertight performance reinforced with a transparent dial.
- Rubber protector around the measuring system.
- Very high measuring accuracy with this level of accuracy maintained in the event of an impact on the device.
- Robustness: IXEF material in glass fibre-reinforced high technology plastic.
- Safety handle.
- Corrosion resistant internal mechanism.
- Air filtered in the indicator mechanism by stainless steel and nickel silver micro-porous filter.
- Device resistant to accidental high pressure of 13.75 bar in compliance with the standard.

	Graduation	Hose 7 x 13 mm		Air inlet side Torquer	Use
		L (m)	Hose P/N		
(1)	39700-00	0,7 to 11 bar	1,5	39064-00	F- G 1/4
(2)	39702-00	0,7 to 11 bar / 10 to 160 psi *	1,5	39064-00	F- G 1/4

* Sold for export only and according to local regulations.

The LNE and DIRECCTE certificates apply only to pressure gauges graduated in bar.

Parts sold separately

MECHANICAL INFLATING GAUGES WITH HANDLE

EURODAINU



(1)
EURODAINU



(2)
EURODAINU

AIR OR NITROGEN USE



0,7 to 11 bar

- Elastomer protector covering the measurement system.
- Very high level of measuring accuracy and maintenance of accuracy in the event of impact on the device.
- Strength: high-quality thermoplastic components
- Safety handle.
- Corrosion-resistant thanks to internal mechanism made of specific materials.
- Air filtration in the indicator mechanism via microporous stainless steel and nickel silver filter
- Device able to withstand accidental overpressure of 13.75 bar.

- Certificate of approval for LNE model No. 6951.
- DIRECCTE quality system certificate of approval No. 14.10.821.003.4.
- Declaration of verification delivered with product.

		Graduation	Hose 7 x 13 mm		Air inlet side Torquer	Use
			L (m)	Hose P/N		
(1)	R-1822-Z	0,7 to 11 bar	1,5	39064-00	F-G 1/4	
(2)	R-1821-Z	0,7 to 11 bar / 10 to 160 psi *	1,5	39064-00	F-G 1/4	

* Sold for export only and according to local regulations.
The LNE and DIRECCTE certificates apply only to pressure gauges graduated in bar.

MECHANICAL INFLATOR GAUGES WITH BUTTONS

MAST'AIR



(1)
MASTAIR

0,7 to 12 bar

MAESTRO



(2)
MAESTRO

0,7 to 6 bar

Use AIR or AZOTE

- TECHNOLOGY - DESIGN
- Easy to operate with integrated + and - buttons.
 - Simple handling: swivel connectors (air inlet and outlet).

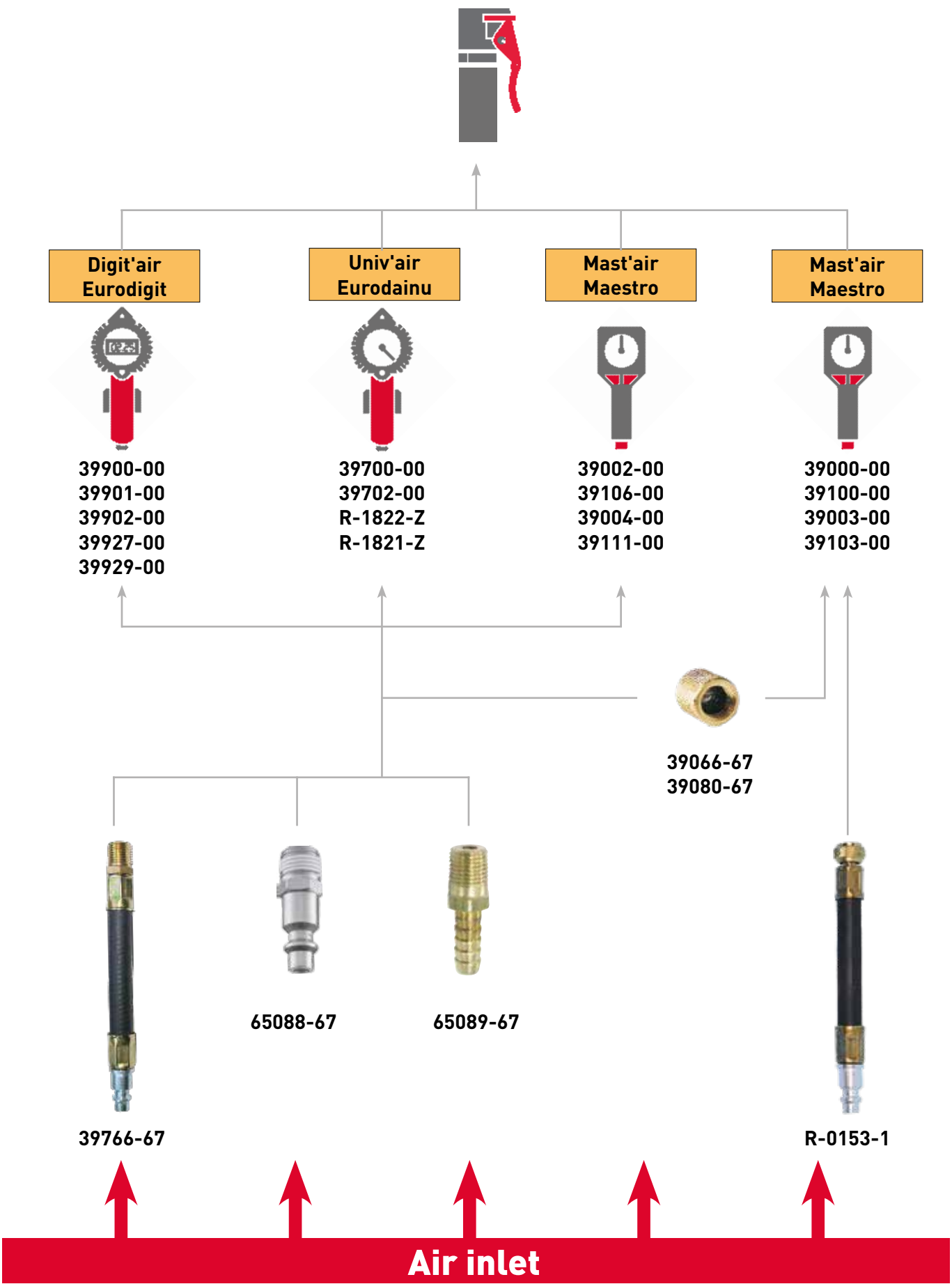
- ROBUSTNESS
- ABS shock-absorbing material with easy hanging: "ear".
 - Waterproof protective glass.
 - Elastomer protector covering the measurement system.
 - MastAir is capable of withstanding an accidental overpressure of 15 bar and the Maestro 7.5 bar.

- LNE model certificate of approval No. 25820.
- DIRECCTE quality system certificate of approval No. 14.10.821.003.4.
- Declaration of verification delivered with product.

		Graduation	Hose 7 x 13 mm		Air inlet side Torquer	Use
			L (m)	Hose P/N		
(1)	39000-00	0,7 to 12 bar	1,5	39064-00	R-0987-2 (Drake)	
(1)	39002-00	0,7 to 12 bar	1,5	39064-00	G 1/4 (39066-67)	
(1)	39100-00	0,7 to 12 bar / 10 to 170 psi *	1,5	39064-00	R-0987-2 (Drake)	
(1)	39106-00	0,7 to 12 bar / 10 to 170 psi *	1,5	39064-00	G 1/4 (39066-67)	
(2)	39003-00	0,7 to 6 bar	1,5	39064-00	R-0987-2 (Drake)	
(2)	39004-00	0,7 to 6 bar	1,5	39064-00	G 1/4 (39066-67)	
(2)	39103-00	0,7 to 6 bar / 10 to 85 psi *	1,5	39064-00	R-0987-2 (Drake)	
(2)	39111-00	0,7 to 6 bar / 10 to 85 psi *	1,5	39064-00	G 1/4 (39066-67)	

* Sold for export only and according to local regulations.
The LNE and DIRECCTE certificates apply only to pressure gauges graduated in bar.

EXAMPLES OF PRESSURE GAUGE ASSEMBLY

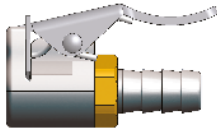
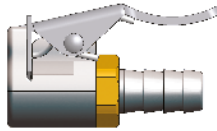


			
39066-67	39080-67	65088-67	65089-67
Adaptor G 1/4 for Mastair and Maestro	Adaptor G 1/4 with filter for Mastair and Maestro	Teflon-coated threaded quick Torquer G 1/4	Junction connector for hose ø int. 6 - 7 mm conical threaded G 1/4

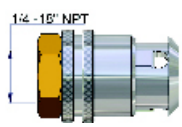
	
39766-67	R-0153-1
Intermediate-sized nipple for inflating gauges with a G 1/4 air inlet Torquer	Intermediate-sized nipple for inflating gauges with a Torquer R-0987-2 (Drake)

INFLATION ACCESSORIES

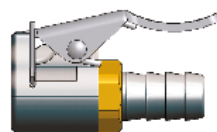
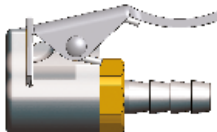
CONNECTORS FOR HOSES WITH INTERNAL Ø OF 7 MM

			
	R-0985-2	R-0985-1	R-0986-2
Description	Valve side inflation nipple for hose 7 x 13 mm (Spare washer R-0518-2)	Nipple R-0985-2 in skin-pack for display purposes (Spare washer R-0518-2)	House Torquer, outlet side for hose 7 x 13 mm
Quantity per box	10	1	10

► EAR CLAMPS

			
	(*) R-0987-2	32264-67	67244-68
Description	Rotating nipple inlet side for hose 7 x 13 mm	Quick inflating nipple clamp Torquer, valve side	For Hose Ø ext. 13 mm
Quantity per box	10	1	10

► OTHER CONNECTORS

			
	41291-68 41291-09	R-0517-2	(*) R-3500-2
Description	Inflation nipple valve side for 8 mm hose (Spare washer R-0518-2)	Valve side inflation nipple for hose 5 x 10 mm (Spare washer R-0518-2)	Rotating nipple for flexible hose extensions ø int. of 5 mm
Quantity per box	10 500	10	10

7X13 HOSE FOR INFLATOR GAUGES

	
	39064-00
Description	For DIGITAIR, EURODIGIT, UNIVAIR, EURODAINU, MAESTRO & MASTAIR
Lenght (m)	1,5
Type	Woven braid, rotating nut, nipple R-0985-2
Quantity per box	1

► RIGID BEAD SEATERS/PUMP RINGS

				
	(1)	(2)	(3)	(4)
	60806-67	60807-67	60808-67	60814-67
Dimensions (")	13	14	15	16
Spare washer	65211-67	65212-67	60815-67	65213-67
Quantity per box	1	1	1	1

PRESSURE GAUGES

► READ DEPTH GAUGE & ELECTRONIC PRESSURE GAUGE

2 functions on one tool



- Automatic turn-off.
- Backlit dial.
- 2 interchangeable batteries CR2032.
- Tread depth or pressure gauge selection function.

	Pressure gauge	Tread depth gauge	Use
66185-67	• 0.35 to 6.8 bar (5-99 psi or 35-680 Kpa or 0.4-7.00 kg/cm²). • Accuracy: 1 % ±0,05 bar	• Graduated from 0 to 15 mm (0 to 19/32"). • Coloured zone according to depth <1.6 mm = coloured zone red 1.6 to 3.2 mm = coloured zone yellow >3.2 mm = coloured zone green • Precision: 0.3 mm. • Resolution: 0.1 mm.	

PRESSURE GAUGES

► ELECTRONIC PRESSURE GAUGES WITH DIGITAL DISPLAY

For checking pressure



Schrad'DIGITAL



	Graduation	Descriptive	Use
60226-67	0,35 to 10 bar	• Special for low pressure. • Accuracy: 1 % ±0,05 bar. • Can be use from -10 to 50°C. • Durable rubber grip handle. • 3 interchangeable LR44 batteries (included).	



PRESSURE GAUGES

PRE-PROGRAMMABLE ELECTRONIC WALL TIRE INFLATORS



AIR USE



Declaration of conformity provided with product.



For inflating, deflating and adjusting pressure after programming the desired pressure



(1)



(2)



Terminals delivered with non-return valve and wall mounting.
Terminals delivered without hose and connectors: ordered separately

		Graduation	Description
(1)	66541-67	0,3 to 10 bar	LNE approved France
(2)	65786-67	0,3 to 12,5 bar	Sold with bar as default but can be reprogrammed for PSI or KPA. Sold for export only and according to local regulations in Europe.

TECHNICAL PRECISIONS

- Reading precision: 0.02 bar.
- Inside or outside installation (IP66).
- Operating temperature: 0 to 60°C.
- Aluminium cabinet
- Ergonomic design, easy to use.
- Large backlit LCD display.
- Information on Psi or KPa equivalent (65786-67).
- 240 V required electrical supply
- Automatic zero setting before each use.
- Dimensions: 269 x 285 x 106 mm.
- Max air intake pressure: 15 bar.
- Conical thread F-G 1/4 air inlet connection.
- Conical thread F-1/1" outlet.
- Attachment hook for hose.
- Weight: 5.4 kg.



INFLATION ACCESSORIES

40058-67	Hose ø7x13 mm, L = 10 m for cars, woven braid with 1 clamp connector R-0985 valve side, quick Torquer + G 1/4 inflator side
40059-67	Hose ø7x13 mm, L = 20 m for trucks, woven braid with 1 clamp connector R-0985 valve Side, quick coupler + G 1/4 inflator for side

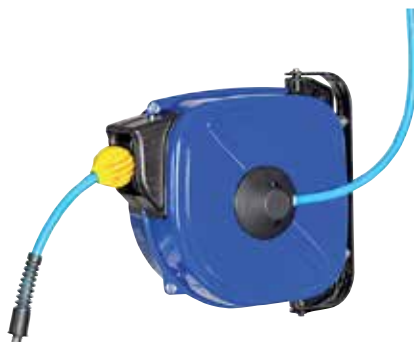
AUTOMATIC WINDERS AND HOSES



- Automatic winders with spiral leaf spring 180° and 180° directionable base.
- Epoxy-coated steel sheet cabinet
- Reel mounted on 2 sealed ball bearings.
- Stainless steel-brass rotating washer.
- Hose guide and end stop.
- Installation: wall fixture, height 2m

Intensive use

INTENSIVE USE	Max. dimensions (depth. x h x th.) (mm)	Hose length (m)	Hose	Weight (kg)
S-0335-1	410 x 360 x 230	10	open-drum woven braided hose int. Ø 7 x 13 mm sold with rotating nipple R-0987-2.	12
S-0336-1	435 x 460 x 240	20		18
S-0337-1	540 x 500 x 270	30		25



- Automatic winder with spiral leaf spring 180° and 180° directionable base.
- Epoxy-coated steel sheet cabinet
- Hose guide and end stop.
- Connecting kit provided.
- Installation: wall fixture, height 2.50 m.

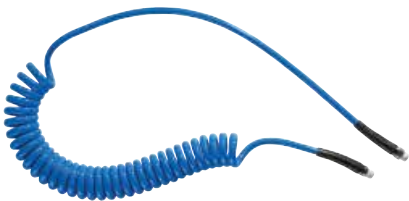
	Max. dimensions (depth. x h x th.) (mm)	Hose length (m)	Hose	Weight (kg)
66667-67	370 x 337	15	Polyurethane / PVC hose int. Ø 8 x 12 mm sold with threaded nipple G 1/4	7
66668-67	Spare hose 15 m for winder 66667-67			
65082-67	Threaded quick coupler G1/4			

HOSE COILS



	Hose length (m)	Ø (mm)	Braid type	Operating pressure (bar)
S-6570-1	10	7 x 13	Woven	15
S-6571-1	20			
S-6572-1	30			

COILED HOSES



	Lenght (m)	Description
65100-67	4	Polyurethane hose 6.5 x 10 mm. Equipped with fixed-rotating male thread G 1/4. Working pressure: 9 bar.
65255-67	6	
65101-67	8	

PROGRESSIVE BLOW GUN

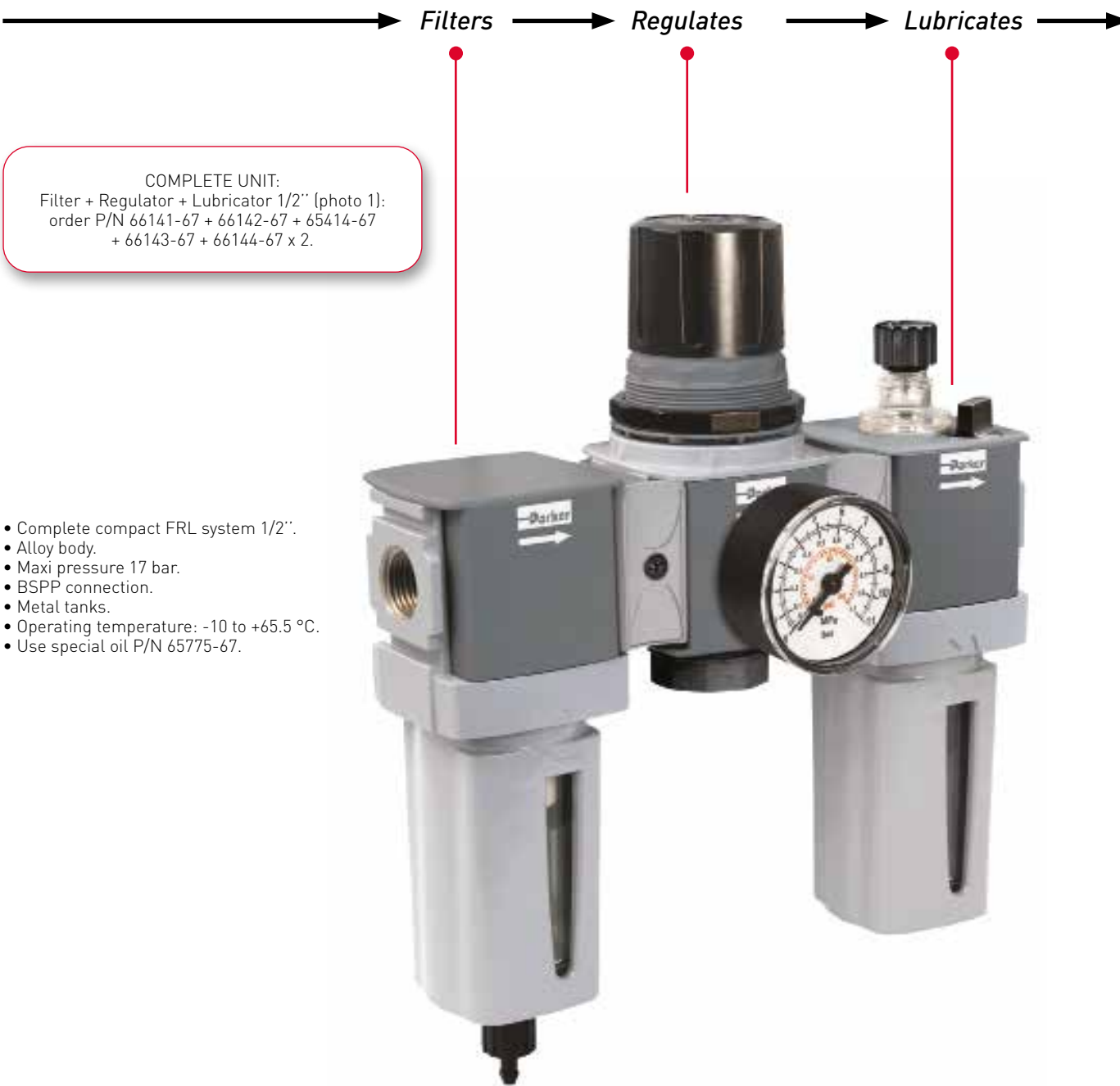


	Description
65098-67	Progressive blow gun with tapped curved nozzle G 1/4 on metal insert Max. operating pressure 10 bar Max. flow: 380 litre/min at 6 bar
65099-67	Blowing assembly, coiled hose L = 4 m. Fitted with blow gun 65098-67

COMPRESSED-AIR EQUIPEMENT

COMPRESSED-AIR EQUIPEMENT

Clean
and
Dry air



COMPLETE UNIT:
Filter + Regulator + Lubricator 1/2" (photo 1):
order P/N 66141-67 + 66142-67 + 65414-67
+ 66143-67 + 66144-67 x 2.

- Complete compact FRL system 1/2".
- Alloy body.
- Maxi pressure 17 bar.
- BSPP connection.
- Metal tanks.
- Operating temperature: -10 to +65.5 °C.
- Use special oil P/N 65775-67.



Coalescing Filter 1/2"
with inter-module plate (complementary item):
order P/N 66146-67 + 66147-67.

MODULAR UNIT:
Filter + Regulator 1/2":
order P/N 66145-67 + 65414-67 +
66143-67 + 66144-67.



COMPRESSED-AIR EQUIPEMENT



	66141-67	66146-67	66142-67	66145-67	66143-67
Type	5 µm particle filters	Coalescence filter absorbing 0.01 µm	Regulator	Filter/Regulator 5 µm filter element	Lubricator
Orifice (")	1/2	1/2	1/2	1/2	1/2
Description	Tank with sight gauge, manual bleed	Tank with sight gauge, manual bleed	8 bar pressure release valve with decompression. Plastic nut for panel mounting	Tank without sight gauge, manual bleed 8 bar pressure release valve with decompression. Sold with plastic nut for panel mounting	Tank with oil mist sight gauge, standard viewing dome
Max. flow (dm³/s)	38	11	67	64	47
Dimensions ht x width x depth. (mm)	188 x 60 x 60	209 x 60 x 60	136 x 60 x 60	245 x 60 x 60	182 x 60 x 60
Weight (g)	280	320	410	530	310
Additional information	-	Place a particle filter upstream	-	-	-



	66148-67	65414-67	66144-67	66147-67	66149-67	66554-67
Description	Manifold block 4 tapped ports: inlet/outlet 3/4" - top 1/4" - bottom 1/2" Max. flow: 64 dm³/s Dimensions: h 48 x width 66 x depth 73mm Weight: 340 g	Double graduation gauge 0-20 bar. 0-285 PSI Weight 53 g	Wall connection/ fixture bracket kit 1/2" with 2 O rings for hole ø 22.1 mm	1/2" connection kit with 2 O rings for hole ø 22.1 mm	Connection kit for 1/2" to 3/4" Must be ordered with 2 x 66147-67	Connection kit for 1/2" to 1/4" Must be ordered with 2 x 66147-67

COMPRESSED AIR CONNECTORS



	65082-67	66617-67	66738-67	65083-67	65084-67	61288-67
Description	Threaded quick coupler		Threaded quick Y-shaped double coupler	Threaded quick coupler	Grooved coupler	
Tapping (Gaz BSP)	G 1/4	G 1/2	G 1/2	G 1/4 Teflon coated	6 - 7	8
Ø air passage (mm)	6	6	6	6	6	6
Flow (L./min.) at 6 Bar	883	883	883	883	883	883
Maxi operating pressure (bar)	16	16	16	16	16	16
Quantity per box	1	1	1	1	1	1

- Automatic sleeve Torquers featuring a clamp attachment system: effortless connection and total tightness.
- Abrasion, shock, crushing and vibration resistant materials.
- Optimum flow adapted to all pneumatic tools thanks to contoured plug.
- Operating temperature: -15 to +70° C.

MISCELLANEOUS CONNECTORS

According to assemblies, use adaptor 65591-67 M1/4"-M1/4" [see page 227].



	65491-67	65578-67	65579-67
Description	Quick connect filter nipple for all air-hydraulic devices (except impact wrenches, see page 104) conical threaded G 1/4	360° bi-directional nipple. Keeps the hose straight and strain-free Improves handling and use of pneumatic tools and inflating gauges. F inlet: G 1/4 M outlet: G 1/4 Flow: 0 to 45 m³/h under 7 bar	Pre-set line regulator Mounted upstream of the pneumatic tool, the regulator adjusts the pressure to avoid an air over-consumption and an overpressure on tools. (except impact wrenches, see page 104) F Inlet/Outlet F: G1/4 Max. inlet pressure: 18 bar, outlet pressure: 8 bar Max. flow: 700 l/min
Quantity per box	1	1	1

COMPRESSED AIR CONNECTORS



	65086-68	65087-68	65088-67 65088-68	65085-68	61290-67 61290-68	65270-67	65089-67 65089-68
Description	Quick tapped connector		Conical threaded quick connector	Quick junction connector		Double junction connector	Junction connector
Tapping (Gaz BSP)	G 1/4	Michelin pitch with flat seal	G 1/4 teflon-coated	6 - 7	8	6 - 7	6 - 7
Ø air passage (mm)	6	6	6	6	6	6	6
Flow (L./min.) at 6 Bar	883	883	883	883	883	883	883
Maxi operating pressure (bar)	16	16	16	16	16	15	15
Quantity per box	10	10	1 10	10	1 10	1	1 10

EXEMPLE OF AIRLINE AND FITTINGS



65084-67

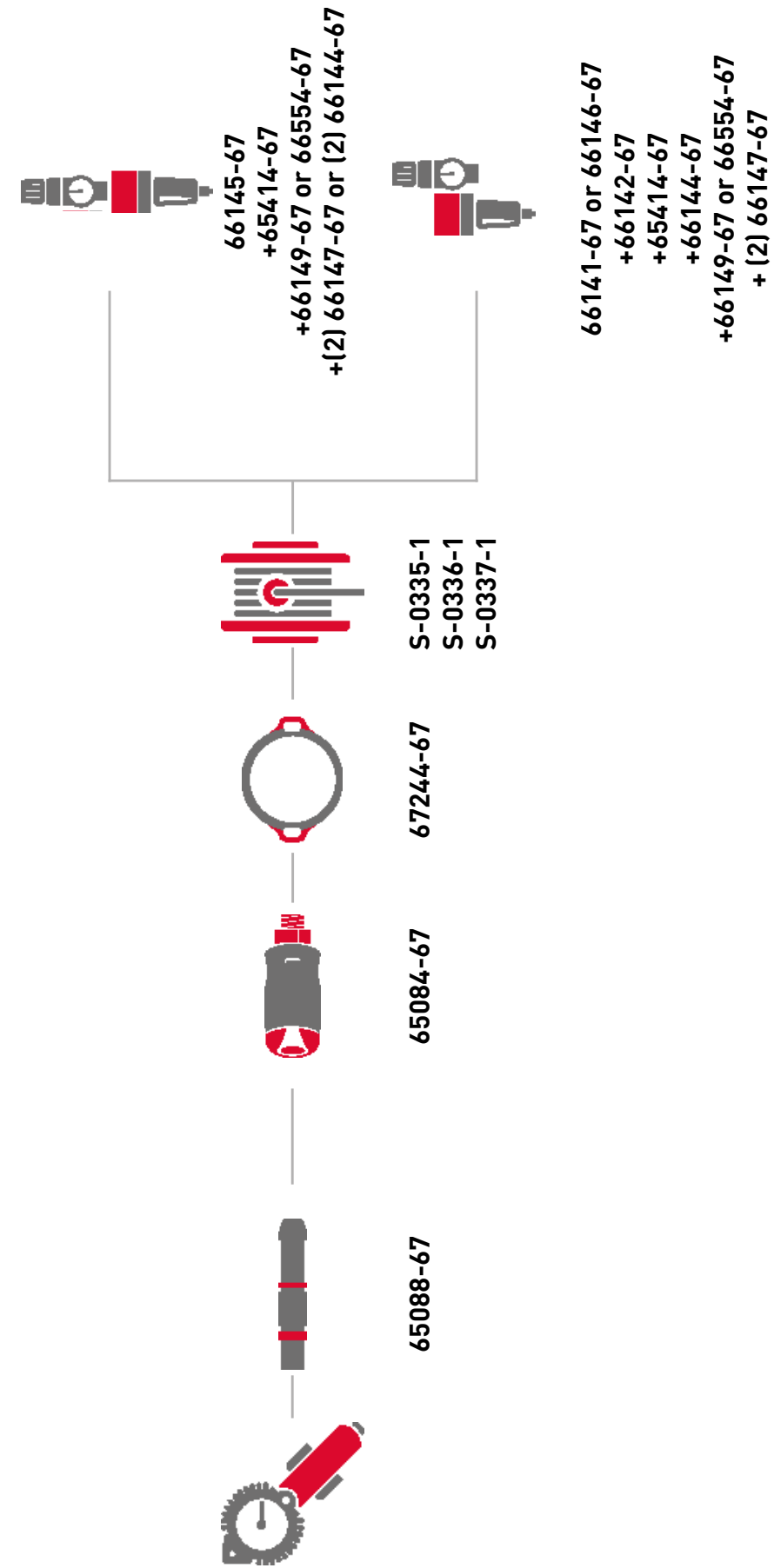
67244-67

Hose 10M
S-6570-1

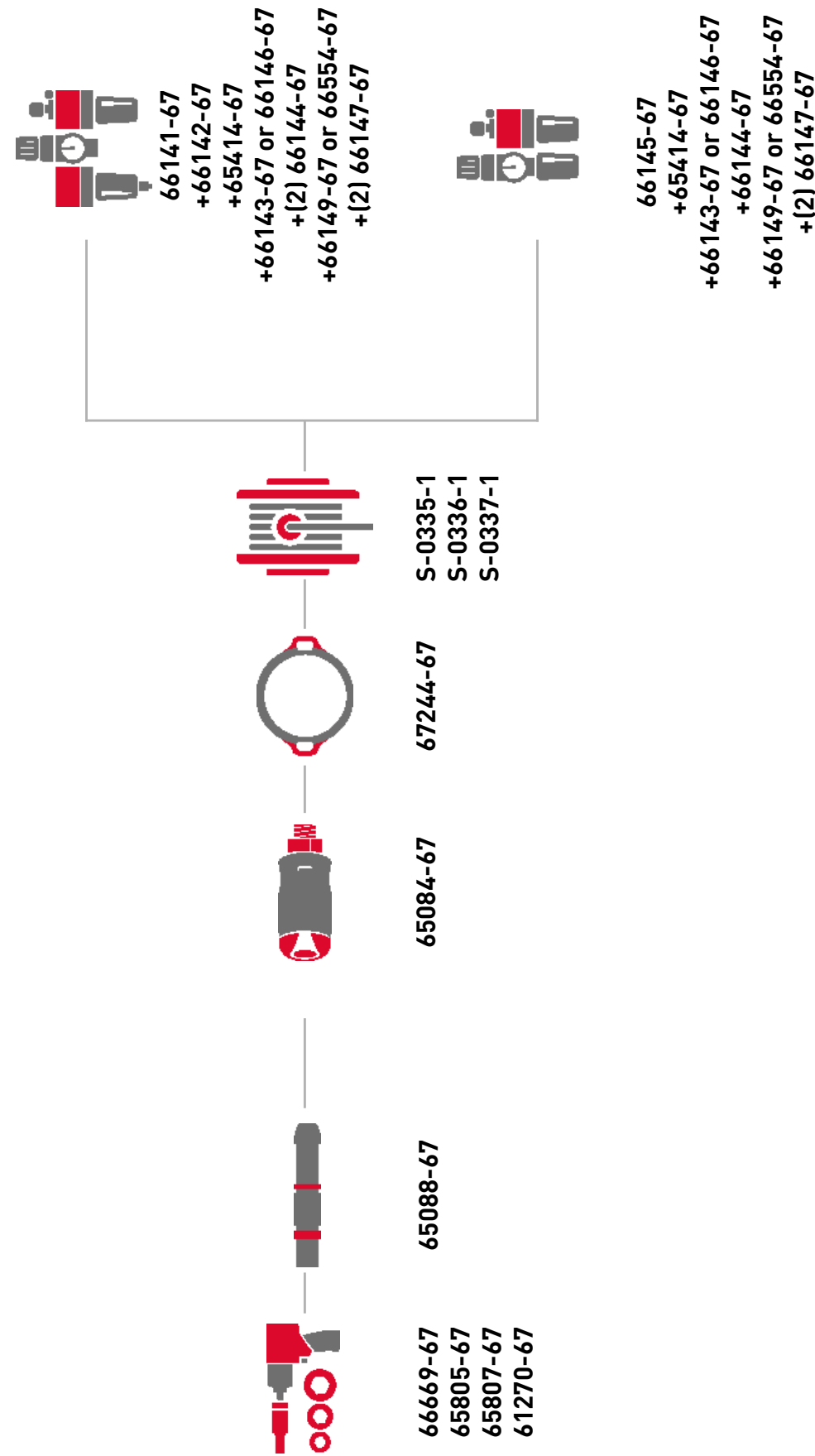
67244-67

65085-67

EXAMPLE OF EXTENSION MOUNTING



EXAMPLE OF EXTENSION MOUNTING



Chapter 5

PATCHES AND REPAIR PRODUCTS FOR TIRES AND TUBES

Symbols from hazardous product labelling.

They are given for information. The products being subject to change, we make their material safety data sheets available to you.

The use of protective goggles and gloves is recommended during repair operations.

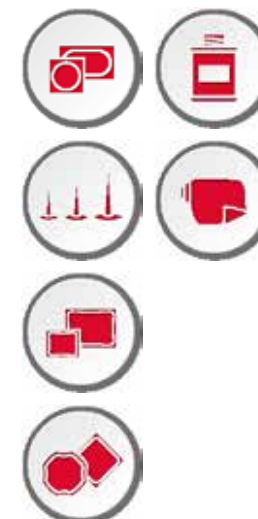
Paying close attention to legislation and the "CMR" decree (on carcinogenic, mutagenic and reprotoxic substances), Schrader Pacific Tire Hardware Solutions offers a range of substitution products without chlorinated hydrocarbons and aromatic hydrocarbons and compliant with REACH regulations.

Our tire repair patches are compliant with repair standards ECE-R108 and R109.

PART STORAGE.

To adhere to expiry dates, store the parts, products and vulcanizing solutions:

- In a dry and clean area
- Away from light and heat
- Recommended temperature: between 15 and 30°C (except in case of specific product information) Store in closed containers.
- Complete instructions for use in boxes or on request.
- Follow the mounting and implementation instructions for repairs according to "best practices", i.e. in accordance with reparability criteria and performing each operation according to a defined procedure, regardless of the repair process chosen.



• PRC: Tube repair parts	60 - 61
• PRP: Tire repair parts ("mushrooms" type)	62 - 63
• PRF: Parts for cold tire repair	64
• SDO+: patches for the repair of bias tires	65
• SCHRAD+: patches for the repair of radial tires	66
• SRR: Retread patches for radial tire repair	67
• Vulcanizing solutions, brushes, talc, gum	68 - 71
• Repair inserts	72
• Insert tools	73
• PUCK* range: emergency repair	73
• SLIME* range: sealant, emergency repair	74



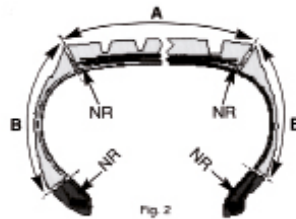
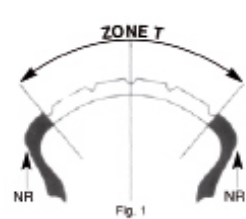
TRAINING:

Schrader Pacific Tire Hardware Solutions provides training on repair products.

PRP TUBE REPAIR PARTS

► PRP 3 - PRP 4,5 - PRP 6 - PRP 8 - PRP 10

- (1) Up to the speed index J included for a maximum of 2 repairs
- (2) Up to the speed index T included.
- Comply with local legislation in all cases. It may vary from one country to the next.



A: Tire tread B: Tire sidewall
NR: Not repairable zone

	Use	BIAS-PLY				RADIAL-PLY			
		A		B		A		B	
		PRP 3	PRP 6	PRP 3	PRP 6	PRP 3	PRP 4,5	PRP 6	PRP 3
(1)	Scooter 10" (Zone T)	X				X			
(1)	Motorbike & scooter (Zone T)	X	X (1)			X	X(1)	X(1)	
(2)	Passenger car	X	X	X	X	X	X	X	X(2)
(2)	Van & 4x4	X	X	X	X	X	X	X	X(2)

RAPID AND RELIABLE REPAIR:

- Specially designed for punctures made by nails, screws, bolts even in the tire sidewall.
 - The tire must be dismounted to assess its condition and suitability for repair.
- Repair from the inside of the tire. This is the only way of ensuring a quality reliable and safe repair.
 - Structure of tire protected against moisture optimising the possibilities of retreading.
 - PRP range adapted for all types of tire according to the table below.
 - Efficient permanent and immediately ready for further service.
- Quick and easy repair. Efficient, permanent and immediately ready for further service (Number of repairs allowed per tire is not limited except for motorcycles).

► BRUSHES FOR SOLUTIONS



60038-67	65076-67	67223-67	65864-67
Flat brush width 40 mm, L = 210 mm	Flat brush width 65 mm, L = 225 mm	Empty tin + top-brush for vulcanizing fluid	Rounded brush Ø 32 mm, L = 330 mm

PRP TUBE REPAIR PARTS

► BOX OF PARTS



- Parts also recommended for RUN-FLAT Tires, as per manufacturer recommendations.



	S-4953-8	42866-67 (1) 42903-67 (2)	S-4956-8 (1) 42392-67 (2)
	PRP 3	PRP 4,5	PRP 6
Ø pièces (mm)	3	4,5	6
Quantity per box	40	40 (1) 80 (2)	24 (1) 48 (2)
	3 years after date of manufacture		

► REPAIR KITS



Tube of vulcanizing solution for kits p68
Stitcher roller R-5028-1
Spherical rasp S-4394-1



S-4252-8 Mini kit	S-4958-8 Kit
24 PRP Ø 6 mm Solution: 5 x 20 mL 1 year angular milling cutter Ø 6 mm	40 PRP Ø 3 mm 24 PRP Ø 6 mm Solution: 10 x 20 mL 1 year angular milling cutter Ø 3 mm 1 year angular milling cutter Ø 6 mm 1 spherical rap (S-4394-1) 1 stitcher roller (R-5028-1)

PRC TUBE REPAIR PARTS

BOX OF PARTS



- Once the repair is finished, sprinkle the part with talc to prevent the PRC from adhering to the inner tube (see talc on page 71).

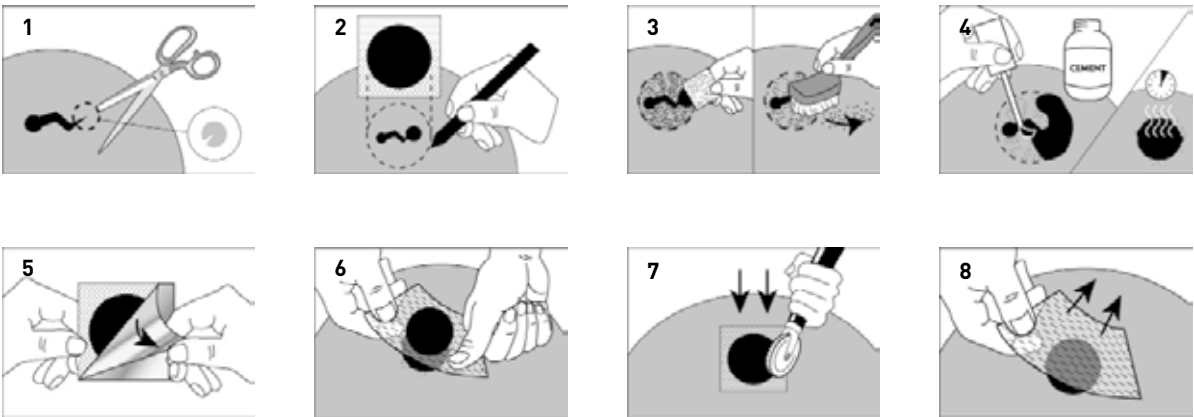
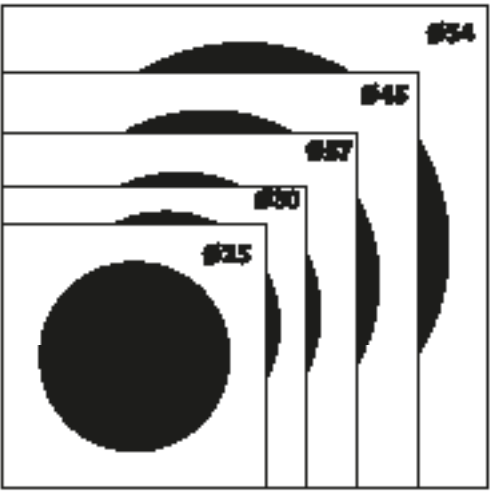


PRF expiry date: 5 years after date of manufacture.

	Dimensions of parts (mm)	Quantity per box			
Rounded patches					
60500-67	Ø 25	100	.		
60501-67	Ø 30	100		.	.
60502-67	Ø 37	30		.	.
60503-67	Ø 45	30		.	.
60504-67	Ø 54	30			.
Oval patches					
60509-67	74 x 37	30		.	.



Choose the repair part according to the size of the injury on the tube.



SOLUTIONS AND TOOLS

- Stir the solution before use.



R-5027-1	R-5028-1	60515-67	65941-67	60516-67	60719-67	60718-67 + 60717-67
Wire brush L. 188 x 1.17 mm	Stitcher roller	Tin of TOPAZE solution 250 mL	Set 250 mL TOPAZE 60515-67 + top-brush 60719-67	Tin of TOPAZE solution 720 mL	Top-brush for TOPAZE 250 mL	Top-brush for 720 mL

TOPAZE solution expiry date: 4 years after date of manufacture.

PRF COLD REPAIR FOR RADIAL AND BIAS TIRES

BOX OF PARTS



- Use OPALE chemical vulcanizing solution.

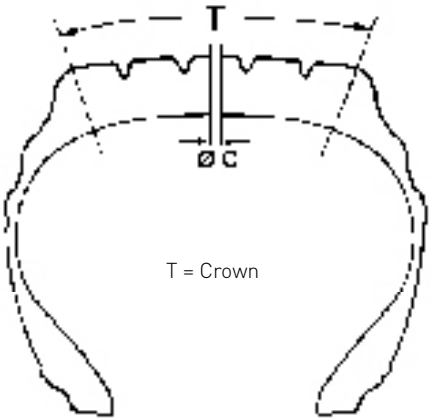
	Dimensions of parts (mm)	Quantity per box
60700-67	Ø 35	100
60701-67	Ø 45	50
60702-67	Ø 60	50
60703-67	Ø 67	50
60704-67	Ø 35	500
60705-67	Ø 45	500
60706-67	Ø 60	500



PRF expiry date: 5 years after date of manufacture.

- Tread repairs only.
- Speed code restrictions: comply with local laws that can be different in each country

Tire use	Tire speed symbol	T = Ø (mm) max. TREAD prepared	PRF Ø 35mm	PRF 45x45mm	PRF Ø 50mm	PRF 60x60mm	Max number of repairs
	<J	3	X				2
		4.5		X	X		2
		6				X	1
	J-V	3	X				1
		4.5		X	X		1
		6					Unlimited
	<H	3	X				Unlimited
		4.5		X	X		Unlimited
		6				X	Unlimited
	H-ZR	3	X				1
		4.5		X	X		1
		6				X	1
	W-ZR	3	X				1
		4.5		X	X		1
		6				X	1
	<H	3	X				3
		4.5		X	X		3
		6				X	3
	V-Z	3	X				3
		4.5		X	X		3
		6				X	3
	V-Z	3					1
		4.5		X	X		1
		6				X	1
	V-Z	3					1
		4.5		X	X		1
		6				X	1



T = Crown

SDO+ PATCHES FOR BIAS TIRES



- For tread, shoulder and sidewall injuries: centre of injury = centre of patch.
- <=>The direction of the arrow printed on the patch indicates the radial bead to bead direction.



Shelf life of SDO+ patches: 5 years after the packing date.

	Description	Dimensions of parts (mm) W. x L.	Number of plies	Quantity per box		
60651-67	SDO+03	100x100	2	10	X	X
60652-67	SDO+04	120x120	2	10	X	X
60653-67	SDO+05	160x160	4	10	X	X
60655-67	SDO+06	240x240	6	10	X	X
60657-67	SDO+07	295x295	6	10	X	X
60659-67	SDO+08	345x345	6	5	X	X

- Cold: use the **OPALE** vulcanizing solution.
- Hot: use the **BLACK CEMENT** solution.
- SRR patch expiry date: 2 years after the date of manufacture.
- Detailed instructions provided inside each box.
- See REP marking page 157.

SCHRAD + PATCHES FOR RADIAL TIRES



- For cold or hot vulcanization.
- For tread, shoulder and sidewall injuries:
centre of injury = centre of patch.
- <=>The direction of the arrow printed on the patch
indicates the radial bead to bead direction.



Shelf life of Schrad+ patches: 5 years after the packing date.

	Description	Dimensions of parts (mm) W. x L.	Number of plies	Quantity per box		
60600-67	SCHRAD+110	55x75	1	20	X	X
60601-67	SCHRAD+112	70x115	1	10	X	X
60602-67	SCHRAD+114	85x130	1	10	X	
60603-67	SCHRAD+115	90x75	1	20		
60604-67	SCHRAD+120	80x125	2	10		X
60605-67	SCHRAD+122	75x175	2	10		X
60606-67	SCHRAD+124	75x220	2	10		X
60607-67	SCHRAD+125	115x125	3	10		X

- Parts also recommended for RUNFLAT Tires (according to recommendations in table).
 - Use the OPALE vulcanizing solution.
 - Hot: use the BLACK CEMENT solution.
- SR patch expiry date: 5 years after the date of manufacture.
 - Detailed instructions provided inside each box.
 - See REP marking page 98.

S.R.R. RETREAD PATCHES FOR RADIAL TIRES



- Sidewall, shoulder and tread injuries:
centre of injury = centre of patch.
- <=>The direction of the arrow printed on the patch
indicates the radial bead to bead direction.



Shelf life of SRR patches: 2 years after the packing date.

	Description	Dimensions of parts (mm) W. x L.	Quantity per box		
66330-67	SRR01	65	50	X	X
66331-67	SRR10	65x80	10		X
66332-67	SRR12	70x115	10		X
66334-67	SRR20	75x125	10		X
66335-67	SRR22	75x165	10		X
66336-67	SRR24	75x215	10		X
66338-67	SRR33	100x125	10		X
66341-67	SRR40	100x200	10		X
66342-67	SRR40A	100x200	10		X

The suffix A in the description indicates that the product is Aramide reinforced for increased strength, flexibility and performance

- Cold: use the 61429-67 vulcanizing solution.
 - Hot: use the 66210-67 solution.
- SRR patch expiry date: 2 years after the date of manufacture.
 - Detailed instructions provided inside each box.
 - See REP marking page 98.

COLD TIRE DAMAGE REPAIR



References			PRC	PRP	PRF	Insert	Patch Schrad+	Patch SRR	Patch SD0+	Patch with gum
(1)	Topaze	Solutions	■							
(2)	Opale				■	■	■			■
(3)	Saphir			■						
(4)	Chemical Rasp	Rasp	■	■	■	■	■	■	■	■
(5)	Onyx	Finish/seal	■	■	■		■	■	■	

SOLUTIONS



(1)	60515-67	65941-67	60516-67
	TOPAZE can of vulcanizing solution 250 ml	Set of 250 ml can TOPAZE vulcanizing solution 60515-67 + brush cap 60719-67	TOPAZE 720 ml can of vulcanizing solution
	4 years		
	+25°C +15°C		



(2)	60710-67	65613-67	60712-67
	OPALE+ solution (18 to 150°C) (250 ml can), CFC-free	Set of OPALE+ solution 250 ml 60710-67 + brush 60719-67	OPALE+ solution (18 to 150°C) (720 ml can), CFC-free
	4 years		
	+30°C +15°C		



(3)	S-4933-1 (*) S-4933-9 (**)	S-4948-1 (*) S-4948-0 (**)
	SAPHIR 20 ml vulcanizing solution tube	SAPHIR 20 ml vulcanizing solution tube SAPHIR 100 ml vulcanizing solution tube
	Packaging: 1 (*) Packaging: 50 (**)	Packaging: 1 (*) Packaging: 25 (**)
	2 years	
	+25°C +15°C	

CHEMICAL VULCANIZING SOLUTIONS



(4)	60518-67 (*) 60518-68 (**)	60519-67	60520-67
	Chemical vulcanizing solution 800 ml Packaging: 1	Chemical vulcanizing solution 5 L	Chemical vulcanizing solution spray 500 ml
	Packaging: 1 (*) Packaging: 10 (**)		
	5 years		3 years
	+25°C +15°C		

FINISHING PRODUCT

TOP-BRUSHES



(5)	60730-67
	ONYX finishing product/ sealing of the repair perimeter 250 ml
	15 months
	+25°C +15°C

60719-67	60718-67 + 60717-67
Top-brush for 250 ml OPALE, TOPAZE, ONYX	Top-brush for 720 ml

COLD REPAIR OF EXTERNAL DAMAGE WITH SELF-VULCANIZING RUBBER

References		PRC	PRP	PRF	Insert	Patch Schrad+	Patch SRR	Patch SD0+	No Patch
(1)	Rubber A+B								

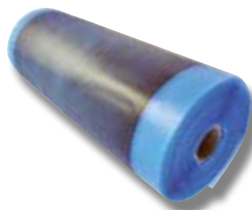
References		PRC	PRP	PRF	Insert	Patch Schrad+	Patch SRR	Patch SD0+	No Patch
(2)	Self-vulcanizing bonding gum								

HOT DAMAGE REPAIR 100°C

References		PRC	PRP	PRF	Insert	Patch Schrad+	Patch SRR	Patch SD0+	No Patch
(3)	Black Hot 2								
(4)	Hot bonding gum								
(5)	Tread gum roll 2.5 kg								



(1)	60731-67	(2)	60732-67	(3)	61392-67	61393-67
	Rubber A + B (2 boxes de 300 g)		Self-vulcanizing bonding gum		Hot vulcanizing solution BLACK HOT 2 (100 to 160°C), CFC-free	Hot vulcanizing solution BLACK HOT 2 (100 to 160°C) (3.5 kg jug), CFC-free
	1 year		2 years		1 year	
	2x300g		5Kg		800 mL	4,5 L
	-		Th.0,8 x l. 500 x L. 10000		-	-
	+25°C +15°C		+30°C +15°C		+25°C +15°C	



(4)	60733-67	(5)	60734-67
	Hot binding rubber		Hot sealing rubber
	1 year		1 year
			2,5Kg
	Th. 1 x l. 500 x L. 8000		Th. 1,2 x l. 250 x L. 7200
			+25°C +15°C



65834-67
Talc (shaker)
640g
+25°C +15°C

EMERGENCY REPAIR FROM THE OUTSIDE

▶ INSERTS FOR RADIAL TIRES

- This type of repair is classified as an **EMERGENCY REPAIR ONLY** and after use the vehicles can be driven at max. 50 MPH for max. 50 miles.
- The tire should then be examined by a specialist as soon as possible to assess its structure and make a permanent repair.
 - Not for use in H, V or Z speed rated tires.
 - For injuries up to 6 mm maximum.



 Inserts are long-life products

	15-280
Quantity per box	60
Vehicle and tire type	Car radial tire
Lenght (mm)	100

▶ INSERT KIT

Use the **OPALE** or **JADE** cold solution.



	65410-67
Kit contents	1 "T" insertion tool 15-227 1 "T" reamer tool 15-225 30 inserts, L = 100 mm 1 can of "OPALE" vulcanizing solution 250 mL.

▶ TOOLS



15-224	15-225	15-227	15-231	15-230	15-232
Open Eye T-handle needle insert tool	Tire probe	Split-eye needle insert tool	Truck metal split-eye needle insert tool	Replacement needle for 15-231	Spiral grip cement needle tool

EMERGENCY REPAIR

▶ AEROSOL TIRE INFLATORS



- Used for emergency repair of a tire with or without tube after puncture in the tire tread. Do not use for tire sidewall repairs.
 - Repairs of punctures from the outside are only EMERGENCY REPAIRS.
- As soon as possible, have the tire dismounted by a professional for determination of the structural condition and definitive repair.
 - Do not use the preventive product if there is a pressure sensor in the tire.

 Long life products



	A02299-67 (Per unit) A02299-12 (box of 12)	A07193-67 (Per unit) A07193-12 (box of 12)
Packaging	Aerosol 300 mL.	Aerosol 500 mL.
Manual	Remove the object that caused the puncture. Shake the aerosol vigorously. In cold weather, warm the aerosol for a few minutes by holding in hands. With the inflation valve in "12 o'clock" position, screw the connector onto the valve. Hold the aerosol in vertical position and press the button until completely empty (around 1 minute). Immediately drive at moderate speed for at least 5 km for the plugging product to expand.	

RANGE **slime**

► LIQUID SEALANT FOR EMERGENCY REPAIR

- The SLIME puncture preventative seals punctures:
 - up to ø 3 mm maxi on tires with inner tubes
 - up to ø 6 mm maxi on tubeless tires.
 - SLIME seals punctures on the TREAD area of the tire.
- The pressure of the escaping air forces the product into the opening and a plug is instantly formed.
- Liquid cleaned with water and non-toxic.
 - Effective during the tire's entire lifetime.
 - Used as a flat preventative, SLIME is effective up to 80 km/h.
 - Used as an emergency repair after a puncture on the tread area of the tire, a speed of 130 km/h should not be exceeded and as soon as possible the wheel should be dismantled by a professional to assess its condition and make a definitive repair.
- Do not use for repairs on the tire's sidewall.
- Do not use the preventative if there is a pressure sensor in the tire.
 - Can be used from -30 to +80°C



Further information:
www.slime.com

Fibro-Seal™

Sold packaged by 6.

Expiry date: 5 years after date of manufacture. Product lifetime in the tire: 2 years.



S10015	S10016	SDS50030IN	S10031
For tubeless MOTORCYCLE tires 237 mL	For tubeless tires or spare product for SMART REPAIR 237 mL	UNIVERSAL For tubeless tires or spare product for SMART REPAIR kit - 473 mL	UNIVERSAL and OFF ROAD For tubeless tires 946 mL

Calculation simulator
available at:
www.slime.com



RANGE **slime**

► PORTABLE KITS FOR EMERGENCY TIRE REPAIR AND INFLATION OF TUBELESS TIRES

Quick repair of a flat without removing wheel, no need to wait for assistance

- SLIME prevents punctures of up to ø 6 mm maxi on tubeless tires.
 - SLIME seals punctures on the TREAD area of the tire.
- The pressure of the escaping air forces the product into the opening and a plug is instantly formed.
- Liquid cleaned with water and non-toxic.
 - Effective during the tire's entire lifetime.
 - Used as an emergency repair after a puncture on the tread area of the tire, a speed of 130 km/h should not be exceeded and as soon as possible the wheel should be dismantled by a professional to assess its condition
 - The tire should be examined by a specialist as soon as possible to assess its structure and make a definitive repair. Do not use for repairs on the tire's sidewall.
 - If the tire is equipped with a pressure sensor, Schrader Pacific Tire Hardware Solutions recommends it be immediately replaced
 - Expiry date: 5 years after date of manufacture. Product lifetime in the tire: 2 years.
 - Can be used from -30 to +80°C



Further information:
www.slime.com

Fibro-Seal™

Shelf life: 5 years, lifespan of product in tire: 2 years.



CRK0305IN	S50129
SMART REPAIR kit Contents: - 1 can 473 mL of liquid sealant ref. SDS-500-IN - 1 compressor 12 V - 1 rigid storage case - Accessoires Dimensions: 22 x 8 x 17 cm Weight: 1.4 kg	SAFETY REPAIR Kit Inflate Air or Air+liquid sealant Deflate button pressure gauge Contents : - 1 can 450 ml de liquide sealant ref. S10180 - 1 compressor 12 V - 1 storage case - Accessoires Dimensions : 20 x 25,4 x 7,62 cm Weight : 2.2 kg
Spare can for compressor Safety 473 mL Ref. SDS50030IN	Spare can for compressor 450 ml Réf. S10180

*Slim: trademark



Chapter 6

The use of eye protection, protective shoes and gloves, and protective ear defenders is recommended during repairs. Follow the recommendations of the instructions for use

A WIDE RANGE.

Schrader Pacific Tire Hardware Solutions offers a range of equipment for professionals to meet their customers' requirements and to train and provide turnkey solutions for repair specialists, industry, public works and mining... depending on the tire to be repaired, up to 63" and the type of repair, puncture or injury:

- Injuries skiving tools
- Supports and spreaders
- Vulcanizers and special devices

REPAIR TOOLS AND VULCANIZING EQUIPMENT



REPAIR TOOLS AND VULCANIZING EQUIPMENT

• Assembly examples.....	78 to 85
• Pneumatic grinders, fittings and tool holders	86
• Tips and tool holders.....	87, 89
• Skiving tools and accessories.	89 to 94
• Vacuum cleaners.....	95
• Small hand tools.....	96-97
• Tire markers.....	98 - 99
• VULCASCHRAD and its components.....	100 - 101



To register, contact
our sales team.



FORMATION:

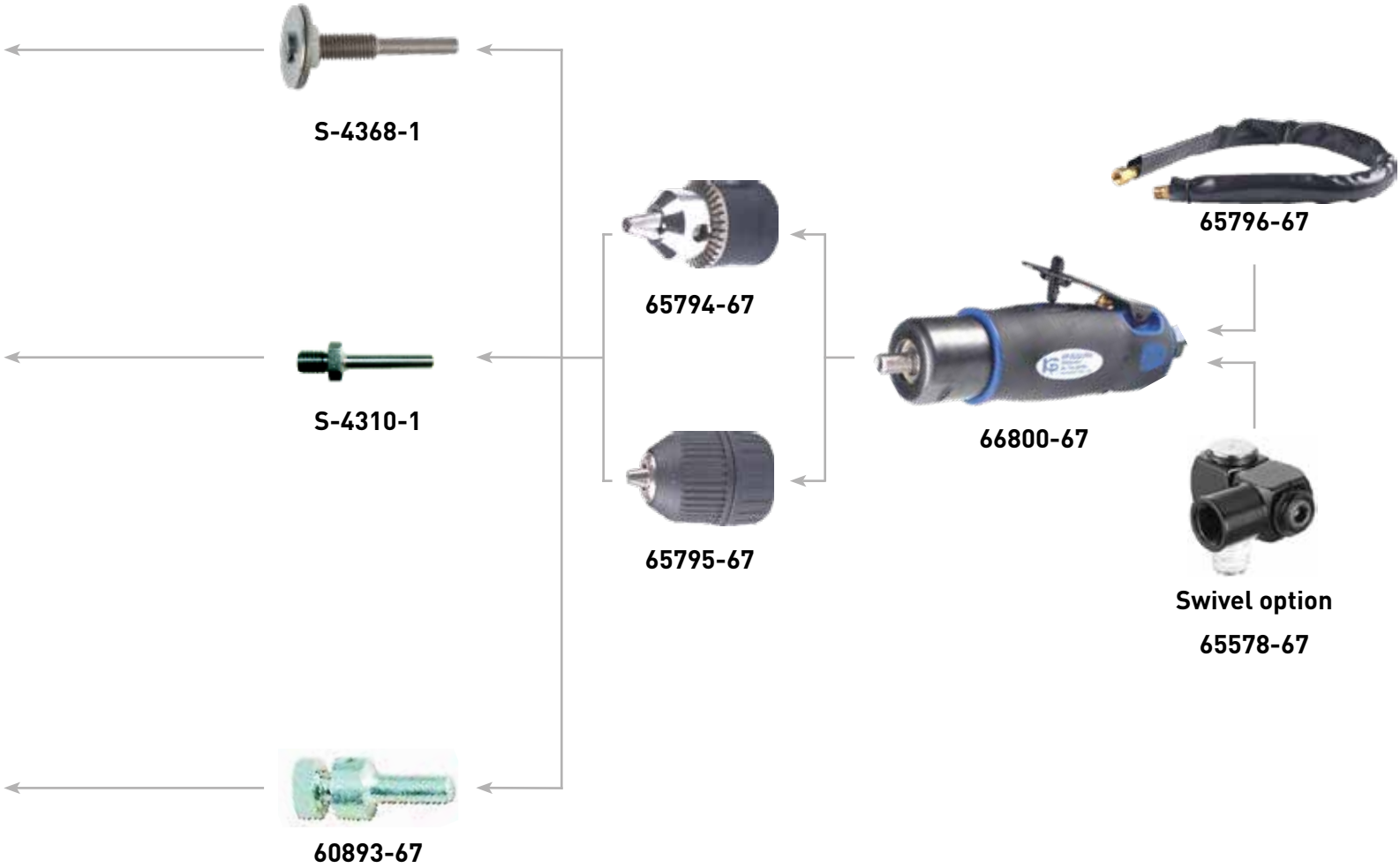
Schrader Pacific Tire Hardware Solutions provides training on repair products.

BRUSHES FOR RUBBER

Brushing, skiving and cleaning					
					
S-4370-1 S-4979-1					
Conical rasps		1/2 spherical rasps and Round rasps (buffing wheels)		Cutting of external rubber	
					
67640-67 (*) 67639-67 (*)	60373-67 60374-67	67620-67 S-4374-1 67621-67	60349-67 60350-67 60355-67 60356-67 60358-67 60359-67	60339-67 60340-67 60341-67	60882-67
External crater rasping and internal rasping Butyl					
					
67620-67 S-4374-1 67621-67			60339-67 60340-67 60341-67		

(*) tool adaptable but not recommended for grinder

EXAMPLES OF GRINDER USE



(*) tool adaptable but not recommended for grinder

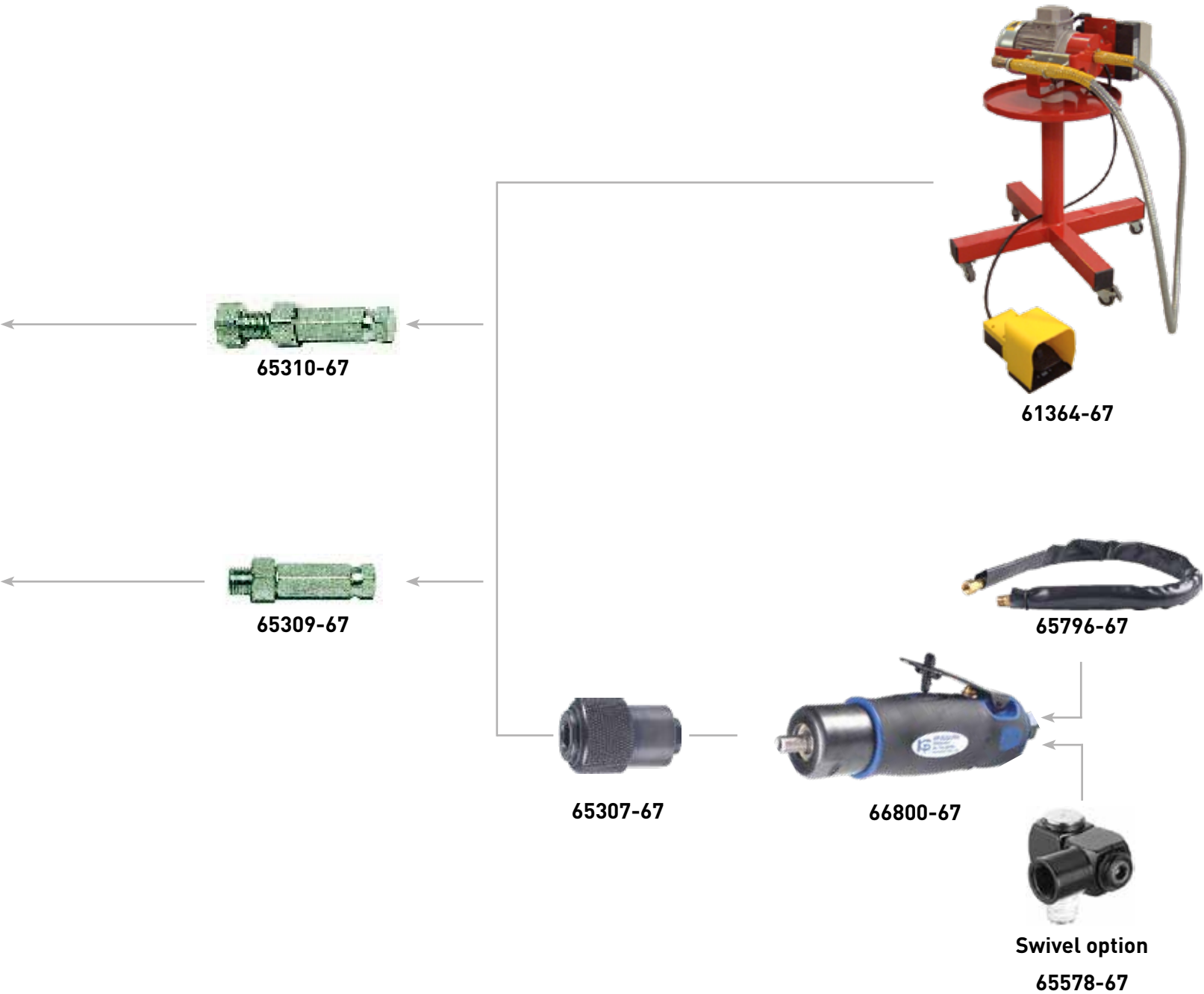
EXAMPLES OF GRINDER AND BRUSH USE

Brushing, skiving and cleaning					
					
S-4370-1 S-4979-1					

Crater rasping on tire tread		External crater rasping and internal rasping Butyl		Cutting of external gum	
					
67640-67 (*) 67639-67 (*)	60373-67 60374-67	67620-67 S-4374-1 67621-67	60349-67 60350-67 60355-67 60356-67 60358-67 60359-67	60339-67 60340-67 60341-67	60882-67

(*) tool adaptable but not recommended for grinder

EXAMPLES OF GRINDER AND BRUSH USE

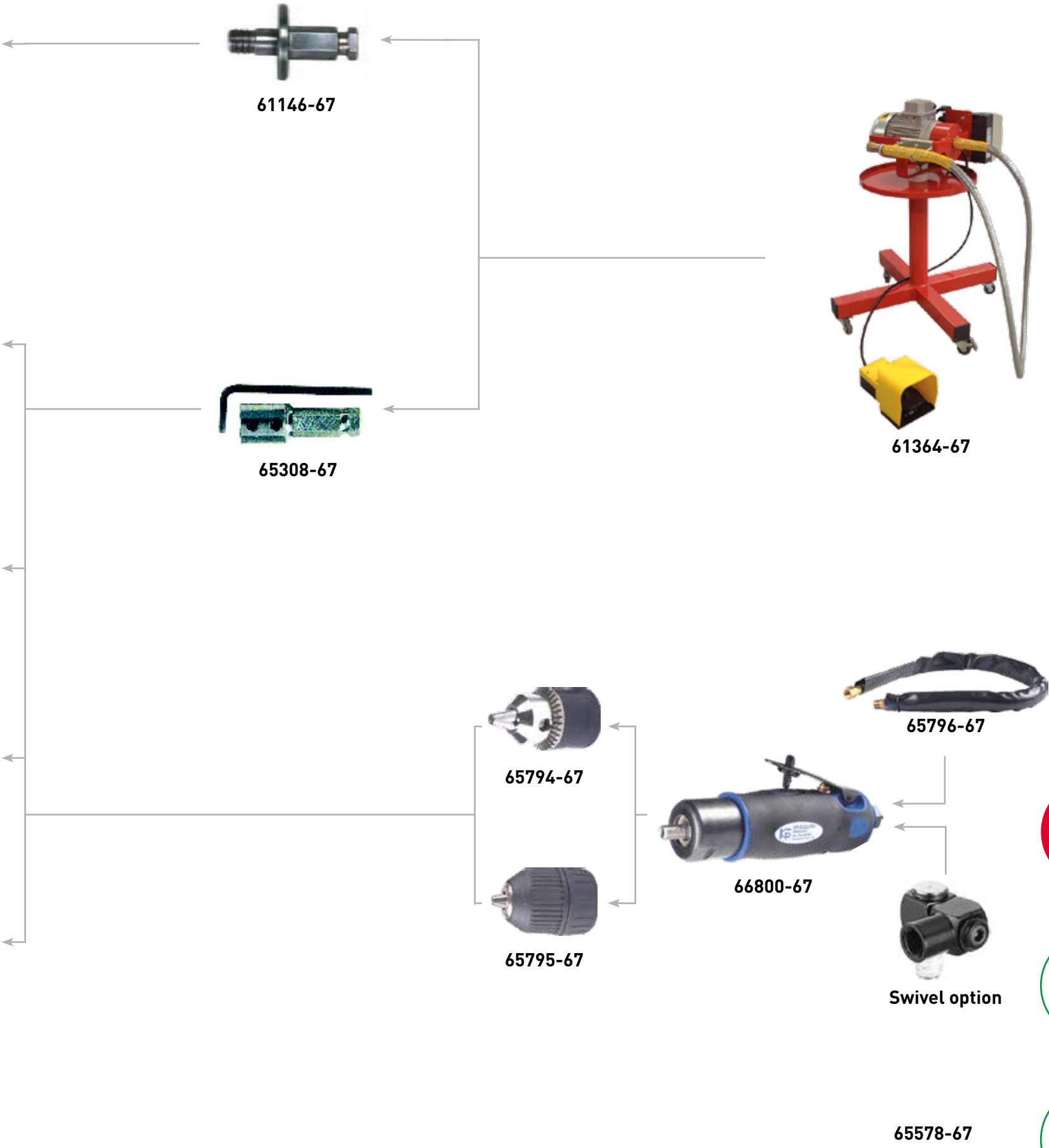


(*) tool adaptable but not recommended for grinder

EXAMPLES OF GRINDER AND BRUSH USE

Skiving on tire tread			
			
61143-67	61144-67	61145-67	
Finishing rollers			
			
S-4789-1 65851-67	60887-67 60888-67 60889-67		
External crater rasping and wall rasping Butyl			
			
67649-67			
Brushing, skiving and cleaning			
			
66124-67 66125-67	60884-67	60885-67	
Buffing rasp for tread and sidewall			
			
66689-67 66688-67	60382-67 60383-67	60376-67 60377-67	60379-67 60380-67

EXAMPLES OF GRINDER AND BRUSH USE



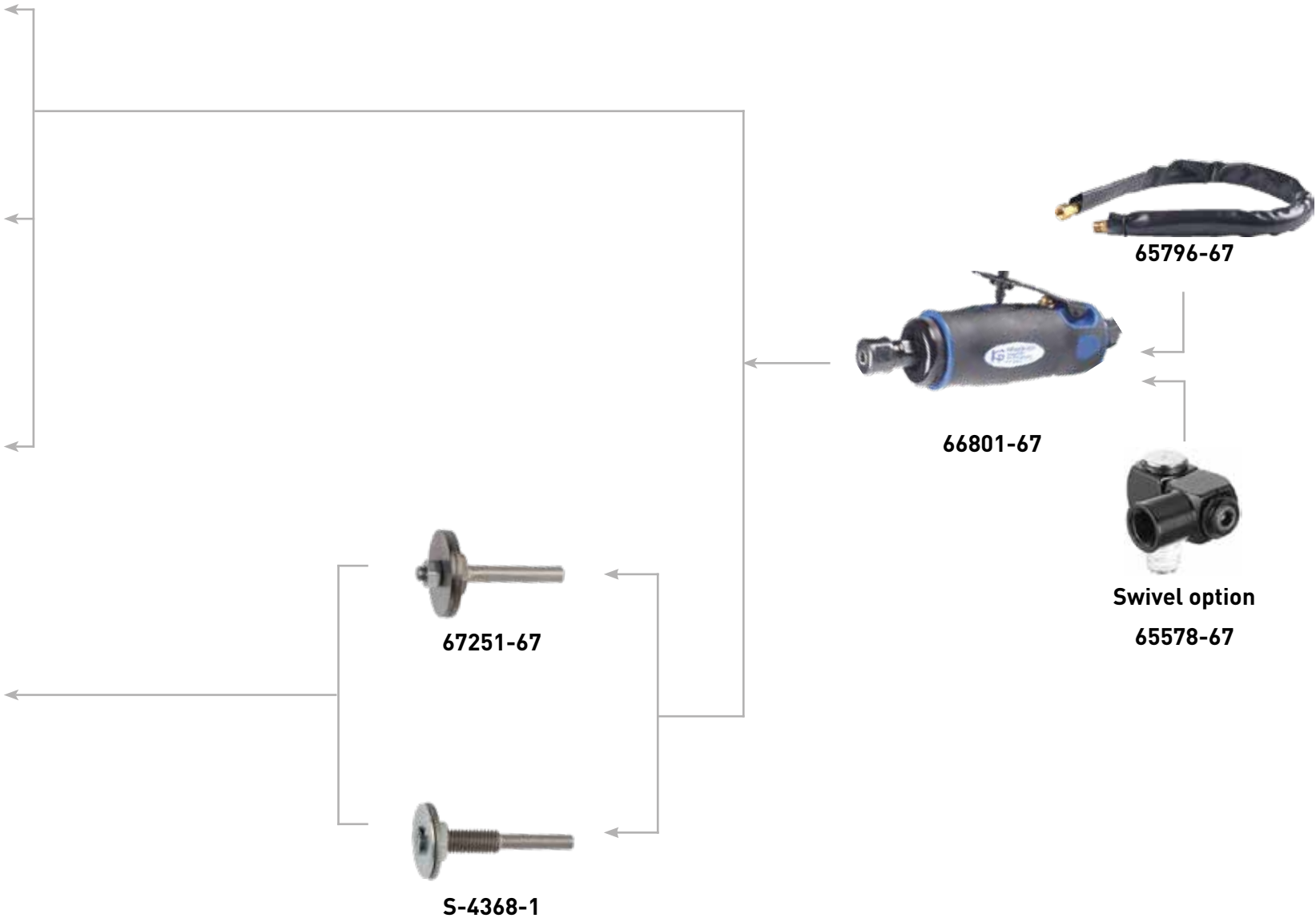
EXAMPLES OF GRINDER AND BRUSH USE

Cable cutter for sidewall for small damage	
	
61139-67	61137-67

Cable cutter for sidewall for significant damage or damage to tire tread	
	
61140-67	

	
61138-67	

Buffing rasp for tire tread and sidewall	
	
66962-67	



AIR BUFFERS AND ADAPTATORS

WORK ON STEEL WIRES

WORKING ON RUBBER



	66801-67	66799-67	66800-67
RPM	22 000	800	4000
Power	253 watt (0.39hp)	335.56 watt (0.45 hp)	291 watt (0.39 hp)
Outlet shaft thread	3/8" with clamp of 6	3/8"	3/8"
Air consumption (L./min)	133	119	142
Noise level db(A)	103	95	101
Dimensions (mm)	L.175 x ø 50	L. 200 x l. 150 x ø 45	L. 248 x ø 50
Weight (kg)	0.6	1.34	1.06

Recommended
for TRP placement.

Chucks ordered separately

- Operating pressure: 6,5 bar. Filtered and lubricated air supply
- Follow the user instructions.

Connect
a quick Torquer
65088-67 onto the hose.



65796-67	65578-67	S 4788-1
Supply and exhaust kit for air buffer 66800-67, L = 74 cm	360° bi-directional nipple. Keeps the hose straight and strain-free Improves handling and use of pneumatic tools and inflating gauges. Inlet: G 1/4 female Outlet: G 1/4 male Flow: 0 to 45 m3/h under 7 bar	Spare collet 6 mm with keys for air buffer 66801-67

CHUCKS AND ADAPTATORS

CHUCKS



65307-67	65131-67	65794-67	65795-67
For 66800-67 Quick chuck threaded 3/8" female x 24 UNF for air buffer 4000 r.p.m maximum	Chuck key 10 mm (replacement for 65794-67)	10 mm chuck with key for 66800-67	Automatic chuck 10 mm for 66800-67

ADAPTATOR 10MM



	S 4310-1	60895-67	60893-67
Tapping	3/8"	M14	3/8"
Stem (mm)	6	8	8
Accessories		with 1 nut	with 1 collar nut

FEMALE ADAPTATORS



	65446-67	65818-67	65308-67	65447-67	65448-67
Axle (mm)	3	4,5	6	8	10
Accessories	With Allen wrench	With Allen wrench	With Allen wrench	With Allen wrench	With Allen wrench
Intended use	For tools Ø 3 mm	For tools Ø 4,5 mm	For tools Ø 6 mm	For tools Ø 8 mm	For tools Ø 10 mm

MALE ADAPTATORS



	65309-67	65310-67	65311-67	65312-67
Thread	3/8" x 24 UNF	3/8" x 24 UNF	M14	M14
Thread length (mm)	16	24	12	31
Accessories	With 1 nut	With 2 nuts	With 1 nut	With 1 nut

SHAFT MACHINES AND ACCESSORIES



- Powerful with a high torque motor and adapted speed to avoid burning rubber.
- Follow the user instructions.



	61364-67	61359-67	61360-67
Description	Electric shaft machine, Single speed 3000 rpm on 4-wheel trolley with flexible hose Ø 10	Flexible hose Ø10	Core of internal cord
Power	380 V, 750 W	-	-
Dimensions (cm)	100x77x77	200	± 200
Weight (kg)	50	2,75	0,90

TOOLS FOR SHAFT MACHINES AND PERSONAL PROTECTION EQUIPMENT



► 1/2 SPHERICAL RASPS

- Brushes are designed for brushing the rubber and cleaning skived areas or steel cables.
 - Speed: between 1400 and 4500 rpm.
- We advise you to wear protective goggles when using this equipment, along with protective gloves and our sleeves 61350-67



	60339-67	60340-67	60341-67
Grit	60	36	16
Ø (mm)	50	50	50
Width (mm)	25	25	25
Tapping	3/8" x 24 UNF	3/8" x 24 UNF	3/8" x 24 UNF

HQ
★★★★



	67620-67	S-4374-1	67621-67
Grit	TGG	GM	GF
Ø (mm)	50	50	50
Width (mm)	25	25	25
Tapping	3/8" x 24 UNF	3/8" x 24 UNF	3/8" x 24 UNF

Grit types:	Fine grit (GF) 60 or 170	Medium grit (GM) 36 or 230	Very large grit (TGG) 16 or 390

► TOOL HOLDER FOR BRUSHES



65307-67



	61146-67
Hex (11 mm)	13 x 20

► TOOL HOLDER WITH BOTTLES



65794-67



65795-67



	67251-67	S-4368-1
Ø stem (mm)	6	6
Ø Thread (mm)	10	10
Accessories	1 nut and 2 washers	1 nut and 2 washers



INTENSIVE
USE

REFERENCES WITH "INTENSIVE USE" MARKING

Tungsten carbide rasps with even teeth. They are made up of a sheet metal holder electronically coated with a number of steel beads (depending on the grain size). These beads themselves are coated with a "conical head" made of tungsten carbide, using the same process. Even and smooth teeth provide more consistent shaping, better ventilation, heating the rubber less and releasing less smoke.

▶ ROUND RASPS



	60349-67	60350-67	60355-67	60356-67	60358-67	60359-67
Grit	36	16	36	16	36	16
Ø (mm)	50	50	50	50	50	50
Width (mm)	3,5	5	7	10	10	13
Tapping	3/8" x 24 UNF	3/8" x 24 UNF	3/8" x 24 UNF	3/8" x 24 UNF	3/8" x 24 UNF	3/8" x 24 UNF

▶ CONICAL RASPS



INTENSIVE
USE



	67640-67	67639-67	60373-67	60374-67
Grit	TGG	GM	36	16
Ø (mm)	25	25	25	25
Width (mm)	102	102	102	102
Tapping	3/8" X 24 UNF	3/8" X 24 UNF	3/8" x 24 UNF	3/8" x 24 UNF

SKIVING TOOLS AND ACCESSORIES

- Rasps are recommended for rubber buffing and skiving.
- Speed: between 1400 and 4500 rpm.
- We advise you to wear protective goggles when using this material.

▶ BALL AND CHIP RASPS

HQ
★★★★



	66689-67	66688-67	60382-67	60383-67
Grit	TGG	GM	36	16
Ø (mm)	20	20	20	20
Ø Stem (mm)	6	6	6	6

▶ CERAMIC EMULSION CYLINDRICAL RASP

HQ
★★★★



	S-4394-1
Ø (mm)	40
Ø Stem (mm)	6

- Cutter specially designed for buffing the tire before placing a PRP.
- Recommended speed: between 1400 and 4500 r.p.m.

▶ PENCIL RASPS



	60376-67	60377-67	60379-67	60380-67
Grit	36	16	36	16
Ø (mm)	6	6	6	6
Width (mm)	65	65	102	102
Ø stem (mm)	6	6	6	6

▶ ROUND RASP

HQ
★★★★



	67649-67
Grit	GG
Ø (mm)	30
Width (mm)	6
Ø stem (mm)	6

▶ MINI-RASP KIT



	61142-67			
	(1)	(2)	(3)	(4)
Dimension (mm)	Ø15 x 3	Ø 10	Ø6 x 15	Ø3 x 25
Ø stem (mm)	3	3	3	3

► **BRUSHES COMPLETE WITH STEM**



	60884-67	60885-67
Ø (mm)	8	20
Th.(mm)	55	60
Ø stem (mm)	6	6

► **PVC COATED BRUSHES WITH STEEL CORD**



	66124-67	66125-67
Ø (mm)	8	8
63		76
6		8

Using these brushes reduces injuries.

► **ANGULAR MILLING CUTTERS**



	S-4946-1	65580-67	S-4947-1	65581-67	S-4954-1
Ø (mm)	3	4,5	6	8	10
Ø stem (mm)	3	6	6	8	10

► **CUTTERS FOR METAL**



- Speed: maxi 25,000 rpm.
- Use cutter 66801-67 with a Ø 6 mm stem (page 86).
- Use the stone for rubber tools P/N 60333-67.
- We advise you to wear protective goggles when using this equipment.

HQ
★★★★



	61137-67	61138-67	61139-67	61140-67
Grit	80	80	80	80
Type of cutter	Mushroom	Ball	Conical	Conical
Ø (mm)	40	20	25	65
Th. (mm)	10	-	8	20
Ø stem (mm)	6	6	6	6

FINISHING TOOLS

► **ABRASIVES DISCS**



	S-4789-1	65851-67
Ø stem (mm)	6	6
Width (mm)	15	30
Ø ext (mm)	60	60
Grit Ø	-	-
Description	-	-

► **ROLLERS AND EMERY RINGS**



	60887-67	60888-67	60889-67
6		6	6
30		30	30
45		45	45
60		60	40
Complete with 5 rings		1 ring only	1 ring only

- Finishing tools allow to remove the vulcanized rubber excess.
- Speed: between 1400 and 4500 rpm.
- We advise you to wear protective goggles when using this material.



SKIVING TOOLS AND ACCESSORIES

► **CUTTING DISC**

HQ
★★★★



Sold per 1	66962-67
Ø disc (mm)	50
Ø hole (mm)	6

► **GOUGE**



	60882-67
Tapping	3/8" x 24 UNF
Ø gouge (mm)	32
Qty per box	Box of 3

- Speed: between 1400 and 4500 rpm.

TOOLS FOR SHAFT MACHINES

► **BRUSHES FOR RUBBER**



	S-4370-1	S-4979-1
Description	Set of 5 soft brushes	Set of 5 hard brushes
Ø (mm)	70	70
Th. (mm)	15/100e	35/100e
Ø hole (mm)	10	10

- Brushes are designed for brushing the rubber and cleaning buffed areas or steel cables.
- Speed: between 1400 and 4500 rpm.

► **RUBBER BRUSHES**



	61143-67	61144-67	61145-67
Rubber brush	Rubber brush	Rubber brush	Rubber brush
50	75	75	
6	6	12	
12,7	12,7	12,7	

Use :
- Tool order S-4368-1



65607-67

Grease cartridge for shaft machine
inner core

Shaft machine inner core must be fully lubricated once a year.

► **STONE FOR RUBBER TOOLS**



60333-67

Carbide stone with handle
170 x 30 x 20 mm for cleaning
of skiving tools for metal.

SPREADERS, REPAIR TABLE AND VACUUM KIT

► **TIRE SPREADER**



	33705-67	67214-67
Description	Tire spreader for workbench	Highly mobile trolley L 55 x W 55 x H 115 cm.
Weight (kg)	3,5	35



Order the filter-regulator
combination unit separately:
Ref. 67374-67

► **VACUUM CLEANERS**



- Operating pressure: 6-8 bar.
- Supply with non-lubricated filtered air.



	65192-67	67215-67
Description	Pneumatic vacuum for dust and balancing beads	Vacuum cleaner 1100 W., 180 m3/h, tank 15 l. (bagless) with accessories
Weight (kg)	1,2	9,3
Connection	G 1/4	tapping G 1/4

SMALL HAND TOOLS

KNIVES

		Description	Long blade (mm)
	17-249	Curved knife	85
	17-248	Knife with straight blade 10 cm	100
	67227-67	Knife with ABS sleeve	160
	67228-67	Knife with ABS sleeve	120
	67229-67	Knife with ABS sleeve	280
	60338-67	Stone for rubber tools 230 mm	

STITCHER ROLLERS AND PROBING AWL

		Description	Ø roller (mm)	Width (mm)
	66383-67	Indicator of Ø for PRP and TRP L = 215 mm		
	R-5028-1	Stitcher roller	34	9
	60881-67	Toothed fine stitcher	25	2
	17-244	Toothed stitcher	38	2
	17-245	Toothed stitcher	38	6
	17-246	Toothed stitcher	50	6
	61182-67	Steel roller	40	46
	67225-67	Spur rowel	50	40
	67226-67	Box of 3000 points for stitcher 67225-67		

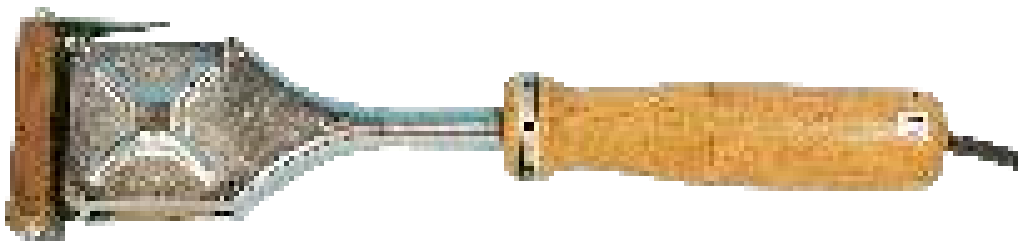
CLAMP

		Description
	65219-67	Wire cutter for steel cables
	67221-67	Wire cutter for steel wires
	67220-67	Pliers
	65126-67	45° angled circlip pliers

RUSHES, MALLET, RULE, SCREWDRIVER, SCISSORS, DEFACING TOOL

		Description	Long(mm)
	67218-67	Rubber mallet	320
	67222-67	Short shaft whisk broom	290
	65279-67	Steel convex brush	255
	65812-67	Grater	150
	66085-67	Stainless steel straight brush 0,35, 4 rows, body in beech	310
	60886-67	Scissors	Total: 200 Lames: 110
	67233-67	Tool for removing the tire registration number (delivered with its blade)	
	67234-67	Replacement blade	

TIRE MARKERS



If the tire marker is left on during breaks, it may overheat and get damaged.

	60235-67
Description	Tire markers power 300 W. Capacity 6 letters or numbers height 12 mm reaches its temperature after 20 min.

All letters and numbers available on request.



Extract from the «Tire repair Guide» printed by "Les professionnels du pneu"
"Tire repairs with patches and vulcanization in conformity with all repair process standards and control standards are marked with an indelible marking.
1) A mark inside clearly identifying the repairer will be affixed to the repair itself.
This marking will include the first six numbers of the repairer's RC (starting from the left) or name.
2) On the outside, a hot stamping will show "REP" on the fitting line vertical to the repair.

As of 1st January 2009, no more hot vulcanizing repairs on tire sidewalls can be made without the "REP" marking. Application for cars equipped with repaired tires according to professional practice code: as of 1 January 2012, all tires repaired on sidewall and according to professional practice code must be stamped with "REP" marking.

(1) tire marker (see above model)

(2) **65822-67** Aluminium plaque.

TIRE MARKERS



INTENSIVE
USE



INTENSIVE
USE



	60181-67	67469-67
Description	"SUPER" MARKER Fitted with 135 x 64 mm rectangular head with groove. Ready for use after 20 minutes. The following items may be inserted: - 15 separate figures or letters, height 10 mm - 10 separate figures or letters, height 20 mm - 1 personalised logo engraved on removable plate	"STANDARD" MARKER Fitted with 85 x 64 mm rectangular head with groove. Ready for use after 15 minutes. The following items may be inserted: - 9 separate figures or letters, height 10 mm - 5 separate figures or letters, height 20 mm - 1 personalised logo engraved on removable plate
Power	400 W	200 W
Possible engraving area (mm)	135 x 64	85x64
Long (mm)	370	370
Weight (kg)	2	1,5

- These electrically heated marking appliances are used for marking tires by burning at a temperature of approx. 350°C.
 - The following items may be placed in the groove of "Standard", "Super" appliances:
separate numbers or letters, or a text or logo on a removable plate.
 - Power 230 V single phase with earth

All letters and numbers available on request.

	Letter	Height (mm)
67471-1R	R	10
67471-1E	E	10
67471-1P	P	10

	Letter	Height (mm)
67472-2R	R	20
67472-2E	E	20
67472-2P	P	20

VULCANIZERS
"VULCASCHRAD"



Conform to EC Standard,
electromagnetic compatibility standard for
regulation: EN 61326.

SAFETY INFORMATION

- Vulcanization devices must always be operated under operator supervision.
- Disconnect the cabinet from the mains supply once vulcanization is complete.
- Never perform work in the cabinet without disconnecting the mains supply.
- These vulcanization equipment is equipped with a ground fault current circuit breaker for optimised operator safety.
 - Vulcanization equipment: Supply pressure max 2 bar.
 - Supply with filtered, non-lubricated air.

- Electronic setting to set the heating temperature according to the type of tire used, for optimum and simultaneous curing from the bead to the tire crown and regular pressure around the patch, especially at the shoulder.



	67295-67	67296-67
Applications		
Description	Vulcaschrad complete passenger car low profile	Vulcaschrad complete passenger car, passenger car low profile, light truck and 4 x 4
Tire series	30 to 80	30 to 85
Accessories included	• 2 moulds (Ref. 67297-67 and 65667-67) • 2 airbags (Ref. 67301-67 and 67319-67)	• 3 moulds (Ref. 67297-67, 65667-67 and 67299-67) • 3 airbags (Ref. 67301-67, 67319-67 and 67303-67)
Power supply	230 V 2 P + T 16 A 30 mA	
Power (W)	800	
Timer (Time)	0 - 12	
Weight (kg)	30 [67295-67]	38 [67296-67]
Heating mould temperature (max °C)	145	
Heating pad temperature (°C)	120	
Operating pressure (bar) dry air calibrated	2	
Maxi patch code	140	
Average curing time (mn)	60	
Cabinet dimensions (cm)	L. 20 x W. 20 x H. 30	
Device dimensions (cm)	L. 106 x W. 30 x H. 54	

COMPONENTS FOR "VULCASCHRAD"



► SPARE PAD



	67382-67
Description	External heating pad
Type	TCR
Dimensions (cm)	32 X 21

► SPARE MOULDS



	65667-67	67297-67	67299-67
Description	Sidewall mould	Sidewall mould	Sidewall mould
Applications	Low profile		
Tire series	30 to 65	65 to 80	75 to 85

► INTERMEDIARY PROTECTIONS



	66850-67
Description	Intermediary protection with fixtures

► SPARE AIRBAGS



	67319-67	67301-67	67303-67
Description	Sidewall airbag	Sidewall airbag	Sidewall airbag
Applications	Low profile		
Tire series	30 to 65	65 to 80	75 to 85

► DOUBLE SECTION PAD



	67308-67
Description	Double section pad



Chapter 7



GARAGE EQUIPMENT,
ASSEMBLY PRODUCTS, TOOLS AND PPE



TIRE MOUNTING PRODUCTS, WORKSHOP RANGE AND VEHICLE PROTECTION



- Loosening.....104 - 108
 - Impact wrench, pneumatic grease
 - Impact socket
- Lifting108 - 109
 - Hydraulic and portable jack
 - Jack stand
- Products for mounting and dismounting of tires:110-112
 - Grease, cream, gel, lubricant, sealing product and brushes
- Chalk and STYLMARK.....111
- Workshop services: lubricant, degreaser, soap.....111-112
- Vehicle protection.....113
- Hand tools.....114 - 121
 - Personal protective equipment
 - Control of tire wear
 - General tools
 - Tools for valves
 - For mounting and dismounting of tires
 - For handling



THE LABELLING SYMBOLS FOR HIGH-RISK PRODUCTS ARE GIVEN
for information purposes only. The products are liable to change and their safety sheets are available
at your disposal.

LOOSENING

- Maximum operating pressure: 6 bar, filtered and lubricated.
Lubricate and clean tools with the recommended products
- Pressure relief kit must be used to keep pressure at 6 bar (see below table).
 - To preserve impact wrenches, use the necessary filters.
- Wheel nut tightness must be checked after 25 to 40 km and again after another 100 km, then regularly.
 - Wear ear protection.
 - Follow the user instructions.

- Wear ear protection.



► IMPACT WRENCHES



	66669-67	65805-67	65807-67	66091-67
Code	KP-1469A	KP-1434	KP-1450	KI-30
Square (")	1/2	1/2	1/2	3/4
Handle	Revolver	Revolver	Revolver	Revolver
Impact system	Single	Double	Double	Double
Body and Handle	Metal	Metal	Composite	Metal
Air exhaust	Under Handle	Under Handle	Under Handle	Under the Handle
Speed (rpm)	10000	8000	8000	5500
Torque (N.m)	678	814	949	1492
Weight (kg)	1,55	2,7	2,25	5,6
Lenght (mm)	120	184	178	220
Air inlet connector (")	G 1/4 F	G 1/4 F	G 1/4 F	G 3/8 F
Shaft	Short	Short	Short	Short
Air consumption (l/min)	133	113	125	269
Acoustic pressure dB(A)	97	95	96	98,35
Noise level dB(A)	108	106	107	109,35
Acoustic pressure dB(C)	110	119	109	99
Vibration level (M/S^2)	10,3	8,8	10,2	9,13
Pressure relief kit: 6 bar limit (order separately)	66816-67			66817-67

► IMPACT WRENCH BOX



	61374-67
Kit contents	- 1 square impact wrench 1/2" - 1 Lithium battery charger - 2 Lithium battery 18V with charge indicator - Safety strap
Square (")	1/2
Handle	Ergonomic bi-material
Torque(N.m)	590
Weight (kg)	3,1
Lenght (mm)	271
Loading time (min)	60-70

► PRESSURE RELIEF KIT LIMITING PRESSURE TO 6 BAR FOR IMPACT WRENCHES



	66816-67	66817-67
Air inlet connector (")	G 1/4 F	G 3/8 F
For Hose Ø (mm)	7	12

► AIR INLET CONNECTORS



	65088-67	65845-67
Conical G 1/4 pre-Teflon-coated threaded quick connect fitting		Conical G 3/8 pre-Teflon-coated threaded quick connect fitting, air passage 11 mm

► PNEUMATIC TOOL LUBRICANT



	65775-67
Special lubricant for pneumatic tools with lubricating agents and anticorrosion agents. 2 x 1-litre can	



Expiry date: 2 years after the date of manufacture.

IMPACT SOCKETS 1/2"

► IMPACT SOCKETS SHORT 1/2"



	Dim. on flat (mm)	Ø ext. (mm)	W. (mm)
65059-67	17	26	38
65060-67	19	30	38
65061-67	21	32	38
65781-67	30	42	46
65782-67	32	44	46
65855-67	33	46	46

► IMPACT SOCKETS LONG 1/2"



60268-67	13	20,2	82
60269-67	16	25	82
60270-67	17	25,9	82
60271-67	18	26,9	82
60272-67	19	29,9	82
60273-67	21	31,9	82
60274-67	22	31,9	82
60275-67	24	35,9	82
60276-67	27	39,9	82

► IMPACT SOCKETS LONG 1/2" EXTRA THIN



60277-67	17	24	82
60278-67	19	26	82
60279-67	21	28	82

► IMPACT SOCKETS LONG 1/2" PROTECTED



66704-67	15	21,4	85
65056-67	17	23,6	85
65057-67	19	25,9	85
65058-67	21	27,8	85
66576-67	22	29,4	85



Protected sockets for aluminium rims and extra-thin sockets are only designed for use with hand tools. Tightening must be performed with a torque wrench.

3/4" VAN AND TRUCK IMPACT SOCKETS

► IMPACT SOCKETS SHORT 3/4"



	Dim. on flat (mm)	Ø ext. (mm)	W. (mm)
66587-67	23	35	52
66588-67	24	36	52

► IMPACT SOCKETS LONG 3/4"



	Dim. on flat (mm)	Ø ext. (mm)	W. (mm)
66577-67	23	35	85
66578-67	24	36	85

► IMPACT SOCKETS KIT SHORT 1/2"



66701-67

Kit of 11 SHORT Car SHORT 1/2"
[12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 mm]

► BOX OF 3 ANTI-SCRATCH SOCKETS 1/2"



61379-67

Kit of 3 SHORT Car SHORT 1/2"
[17, 19, 21 mm]

► IMPACT SOCKETS KIT LONG



66703-67

Kit of 5 protected truck sockets LONG 1/2"
[15, 17, 19, 21, 22 mm]



66702-67

Kit of 11 SHORT TRUCK LONG 1/2"
[12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24 mm]



66614-67

Extension VL 1/2",
length 125 mm

65225-67



Removal kit for car theft-proof nuts
(damaged nuts or special wrench).
Set of 2 reversible sockets: [21 x 24.5 x et 26 x 27.5] + extension



HANDLING, LIFTING

► **ADJUSTABLE PROPS**



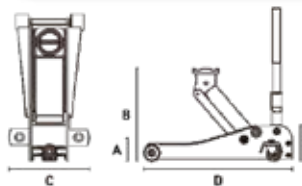
Sold in pairs	450301	451600
Capacity (T)	3	6
Net weight (kg)	7	13,8
Min. height (mm)	305	395
Max. height (mm)	450	625
Base (mm)	209 x 185	293 x 263
Type	fixed	fixed

- 4-leg base: more stable, stronger and safer.
- Handle remains locked on loading (can serve as carrying handle).

HANDLING, LIFTING

► **MOBILE AIR HYDRAULIC JACKS**

(1) Ultra-light device, ideal for workshops and repair trucks, and for narrow environments. Designed for lifting low-floor vehicles.

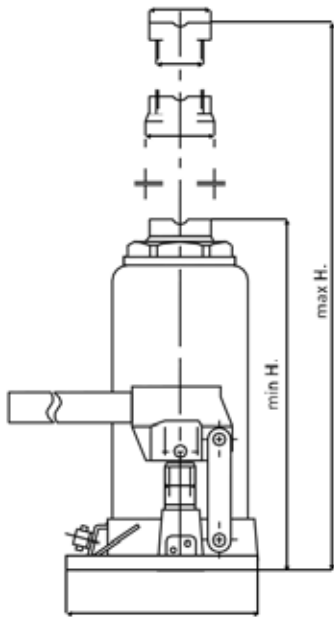


	420250	420330	420500
Capacity (T)	2	3	5
Net weight (kg)	32	31	90
A: Min. height (mm)	75	120	150
B: Max. height (mm)	510	450	680
C: Width (mm)	343	344	366
D: Length (mm)	686	618	1505
E: Height (mm)	140	160	1345

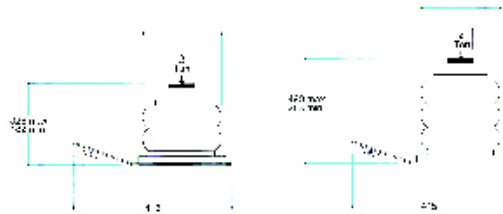
► **MOBILE AIR HYDRAULIC JACK**



	410200	410600
Capacity (T)	2	6
Net weight (kg)	2,3	4,4
Min. height (mm)	158	197
Max. height (mm)	308	382
Total piston stroke (mm)	90	125
Extension screw (mm)	60	60
Base (mm)	96 x 93	116 x 116
Material	Steel	
Basic material	Cast iron	
Use	Horizontal or Vertical position	



► **COLLARS**



	65856-67	65857-67
h. (mm)	50	100

- High-resistance membrane with internal telescopic sliding.
 - Stop device and safety valve.
- Reliable and requires no maintenance.
- Silent, easy to use and light to transport.
- Supply with filtered, non-lubricated air.
 - Supply with filtered, lubricated air.

► **PNEUMATIC PORTABLE JACKS**



	65268-67 YAK 132	65354-67 YAK 203
Capacity (T)	2 t	2 t
Net weight (kg)	14 Kg	17 Kg
Power pressure (bar)	8 to 10 bar	8 to 10 bar
Air consumption	100 nL/min	100 nL/min
Max stroke	194 mm	285 mm
Min. height (mm)	132 mm	205 mm
Number of pistons	2	3
Piston stroke	97 - 97 mm	95 - 95 - 95 mm

TIRE MOUNTING AND REMOVAL PRODUCTS

WHITE CREAM FOR TIRES



UNIVERSAL	
65947-67	1 kg bucket (per unit)
65947-71	1 kg bucket (per 8)
65948-67	3 kg bucket
65949-67	5 kg bucket
 	

BLACK CREAM FOR TIRES



UNIVERSAL BLACK	
66179-67	1 kg bucket (per unit)
66179-71	1 kg bucket (per 8)
66180-67	3 kg bucket
66181-67	5 kg bucket
 	

SPRAY LUBRICANT



SOCOLUB V 0690		
65023-67	400 ml spray lasts for 100 montages	Per unit
65023-12		Per 12
61445-67	5 L jug	
		

WORKSHOP SERVICE RANGE

VEHICLE MAINTENANCE



Rim and hubcap cleaner		Quantity per box
A16286-67	Rim and hubcap cleaner in 500 ml spray	1
A16286-12		12
Use	Eliminates traces of grease and tar, dust, dirt and break pad residue. For use on aluminium and steel rims and plastic hubcaps.	

 Expiry date: long life product



Sealing product	
60813-67	1 L jug With brush cap



For tire paste and grease	
60804-67	Spare heads 66152-67



Chalks (box of 12)	
S-4305-1	White Ø 17 mm
S-4305-J	Yellow Ø 17 mm

Porte-craies : L85100

- The product freezes at 0°C.



Hand soap 5 L.	
66999-67	With wood microfibre. Ingredients gentle on skin.
Sold per unit	

 Expiry date: 2 years after the packing date



Stylmark	
65763-67	Stylmark 3 mm yellow
65764-67	Stylmark 3 mm white
Suitable for all types of materials, all surface types 50 ml tubes.	

 Expiry date: 3 years after the packing date



WORKSHOP SERVICE RANGE

► DRY DEGREASER AND LUBRICATING OIL



Expiry date: Long life products

Aluminium paste lubricant



	Packaging	Destination	Use
A19975-67 (Per unit)	500 ml Spray		(axle assemblies, bearings), in construction (pneumatic equipment, concrete pumps), in automobiles (o-rings of exhaust, housing, cylinder head).
A19975-12 (box of 12)			

Multi purpose lubricant



	Packaging	Destination	Use
A06332-67 (Per unit)	400 ml Spray		Releases mechanical parts (screws, nuts, gears, chains, etc.). Lubricates and eliminates grinding. Prevents moisture, facilitates startup of engine and other ignition systems. Protects against rust. Dissolves grease, glue, tar. Facilitates machining, tapping, cutting, drilling, etc.
A06332-12 (box of 12)			

Brake cleaner



	Packaging	Destination	Use
A07500-67 (Per unit)	600 ml Spray		Used to completely clean the brake system (discs, drums, trim, supports, springs, etc.). Also used as a degreaser for oils, dirty oils and greases, without leaving residue.
A07500-12 (box of 12)			

VEHICLE PROTECTION



	Description	Dimensions	Parts / box	Information
61271-67	Tire bag	Th. 50 µm, 70/30 x 100 cm Thickness compliant with new regulations (article 75-I of the Energy Transition for Green Growth law, modifying article L.541- 10-5 of the environmental code).	100	Possible personalization starting with 5,000 bags. Contact us.
61274-67	Plastic seat covers in dispenser		1 roll of 500	Possible personalization starting with 5,000 covers. Contact us.
5995753	Clean set 5 in 1	Kit contents: - seat cover (16 µ) - anti-slip floor mat (coated paper 80 gram) - steering wheel cover (25 µ) - gear shift cover (18 µ) - hand brake cover (18 µ)	100	
61286-67	Steering wheel protector	-	250	-
61273-67	Black reusable PVC seat cover	85 x 135 cm	1	Note: not suitable for seats made of light coloured leather
61275-67	Brown paper floor rug protector	-	250	Possible personalization starting with 80 boxes of 500. Contact us.
93898	Nitrile gloves, blue	Size L	100	-
73998	Nitrile gloves, black	Size L	100	

PERSONAL PROTECTIVE EQUIPMENT

Recommended for buffing and skiving.



► **Safety glasses**



60306-67	60307-67	66084-67
High-protection glasses, adjustable arms with scratch-proofing, single screen with side protectors.	Safety overglasses with wide field of vision, lateral reflection-proof arms, ideal for corrective glasses.	Frame with monoblock panoramic screen in mist-proof and scratch-proof polycarbonate. Its front protection integrated with the screen ensures optimum coverage of the face without obstructing the field of vision. Rounded arms. 100% UV filtration. Come with nylon string. Standard: EN 166

► **Folding LED lamp**

	V2316
Description	Bendable 120° Rechargeable battery 3.6 V Battery life 3.5 – 4 hrs 5 LED = 300 lux at a distance of 60 cm 18 LED = 800 lux at a distance of 60 cm Weight approx. 200 g protection IP30



Personal protective equipment for arms and hands



4.3.4.2
Dextérité : 5
Catégorie : II

61350-67	66082-67	66083-67
Cut-resistant sleeve ARACUT SLEEVE II, one size fits all.	Tear-proof repair gloves, size 9	Tear-proof repair gloves, size 10
Knit sleeve with 2-ply Kevlar®, thumb hole. Leather reinforcement on forearm	Dyneema®/ Lycra seamLess knit®/ grey printed polyester, induction polyurethane on palm and fingertips. Aerated back. Elastic sleeves. Colours: printed, induction grey. Length: 25 cm.	

► **3M Versaflo**



61321-67	61349-67	61348-67	61351-67
Complete kit VERSAFLO TR315E+3M recommended to protect against dust for assisted breathing protection.	Replacement filter for 61321-67	Dust mask FFP2 S Light grey protective head covering T M/L	High-capacity battery from 10 to 12 hrs for Versaflo TR-300.
Includes filtration unit, anti-particulate filter, pre-filter, batter (10 to 12 hrs battery life), charger, hose and flowrate indicator			

A COMPLETE GARAGE TOOL RANGE



	Description
V3366	TORX® screwdriver set® 7 x T 10 · T 15 · T 20
V1409	T-handle Allen wrench set 8 x 2 · 2.5 · 3 · 4 · 5 · 6 · 8 · 10
V2820	Ratchet wrench set, long execution in soft pouch 5 x 8 · 10 · 13 · 17



	Description
V1571	Bubble level for steering wheel

TREAD DEPTH GAUGE & ELECTRONIC PRESSURE GAUGE

2 functions on one tool



- Automatic turn-off
- Backlit dial
- 2 interchangeable batteries CR2032
- Tread depth or pressure gauge selection function

	Gauge	Tread depth gauge
66185-67	• 0.35 to 6.8 bar (5-99 psi or 35-680 Kpa or 0.4-7.00 kg/cm²). Measurement accuracy: 1 % ±0,05 bar	• Graduated from 0 to 15 mm (0 to 19/32"). • Coloured zone depending on depth <1.6 mm = zone coloured red 1.6 to 3.2 mm = zone coloured yellow >3.2 mm = zone coloured green • Accuracy: 0.3 mm. Resolution: 0.1 mm

TIRES TREAD DEPTH GAUGE GRADUATED



Recommended for technical inspection

	Description	Graduation (mm)
S-4026-1	Tire tread depth gauge graduated	0 to 26
33640-67	Car tire tread depth gauge with case	0 to 11 (coloured area 0 to 1.6 mm according to EC standards 89.499)

TOOLS FOR VALVES



	Description
	S-4392-2 Standard car and truck valve cap and core screwdriver tool (without skirt)
	S-4049-2 Standard car and truck valve cap and core screwdriver tool (with skirt)
	65028-68 Car and truck valve cap and core screwdriver tool (without skirt)
	T66690 (*) T66690-10 (**) Standard valve core screwdriver tool with pre-set torque 0.40 N.m. (*) each (**) per 10
	S-4259-1 Core screwdriver and valve repair tool for repairing interior and exterior threads and removing broken cores
	R-0059-2 Core screwdriver tool also for performing minor repairs on the interior threads of car and truck valve mouths
	S-4282-1 Universal core screwdriver
	R-1255-1 Car and truck valve cap and core screwdriver tool
	T66885 Special lever for installation of TPMS valve
	S-4032-1 Lever for mounting of car rubber snap-in tubeless valves (metal handle)
	65027-67 Lever for mounting of car rubber snap-in tubeless valves (plastic handle)
	41-466 Valve removing tool ("DAUJY" type)



	Description	length (cm)	Weight (kg)
S-4798-1	Flat tire dismounting lever for LV/ HGV for automatic machine	50	0,6
33769-67	Flat tire removal lever, plastic liner for alloy rims	50	0,7
65779-67	Car 4-way lug wrench 17-19-21 mm - 1/2" mâle	36	1,2
65801-67	Plastic protector for edges of alloy rims		0,1
R-1547-1 MOTO	Specially for motorcycles 	38	0,5
R-0425-1 FUSIL	Lever for all tire types 	38	0,5



HANDLING

► **Wheel tightening torque wrenches**

- We recommend annual calibration.
- Follow the user instructions.



	65240-67
Description	Car (square 1/2"). Ratchet system. Audible click. Locking of torque adjustment jack. Guaranteed accuracy of $\pm 4\%$ of the reading on the scale (sold in plastic case)
Torque (N.m.)	40 to 200
Weight (kg)	1,2
Length (mm)	513



	65778-67
Description	Van and 4 x 4 (square 1/2") Accuracy $\pm 4\%$
Torque (N.m.)	40 pre-set
Weight (kg)	1,2
Length (mm)	435

- Secure handle locking
- Safety: tactile (short stroke triggering) and audible (click)
- Quick and safe adjustment of the desired value by turning the handle
- User-friendly reversible ratchet
- Integrated jack lever reducing accident and fault risks

HANDLING

► **TROLLEYS AND WEDGES**



61448-67	471105	471123	61447-67
Wedge 385x160x193 mm yellow polypropylene	Tire cart, capacity 220 kg	Tire cart with wheels, load 160 kg	Traffic cone 50 cm plastic - fluorescent



471147HD	4711SPP	471147HD + 4711SPP
Smart Car	Extension fo smartcar	Smart Car with extension

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