

SPECIAL PROGRAMME

VULCANIZERS & RETREADERS

2004/2005





CERTIFICATE

The TÜV CERT Certification Body of
TÜV NORD CERT GmbH & Co. KG
certifies in accordance with TÜV CERT
procedures that



STAHLGRUBER



Otto Gruber GmbH & Co KG
D - 81675 München

has established and applies a quality system for

- the factories in Poing, Fürstenzell and Desdorf;
- rubber and plastic products against wear and corrosion,
- everything for tyres and wheels,
- moulded parts made of rubber,
- development, planning, installation and service.

An audit was performed, Report No.526975-05

Proof has been furnished that the requirements according to

DIN EN ISO 9001 : 2000

are fulfilled.

The certificate is valid until **November 2004**

Certificate Registration No. **08 / 100 / 9065 / 4**



Hanover, November 5, 2001

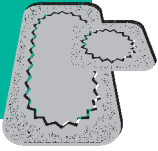


TÜV NORD CERT

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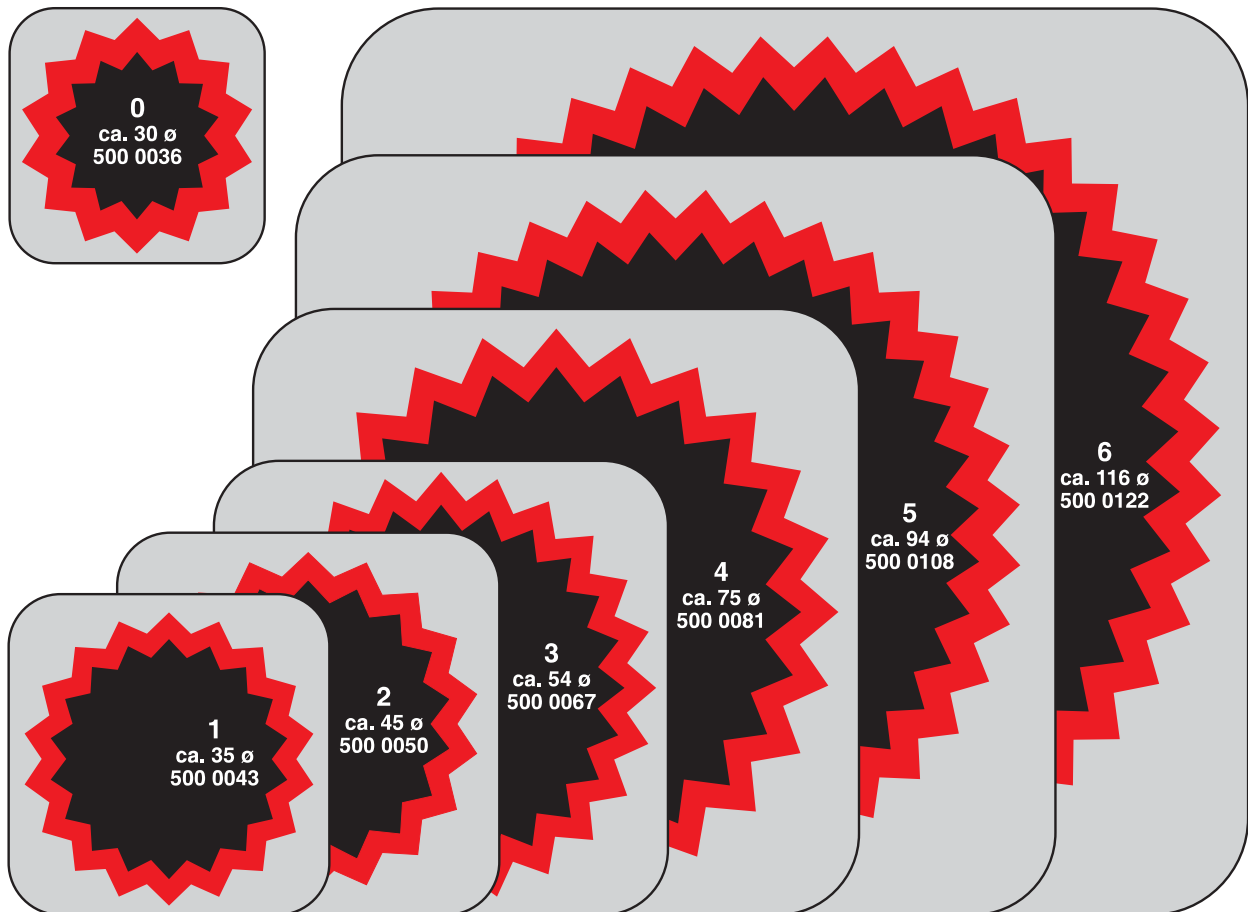
TÜV CERT AN DER TUV NORD





Repair Products for Tubes

1



Tube Patches shown in original size, in mm approx.

■ Tube Patches, red edge

Tube Patches for the repair of bicycle, motorcycle, car, tractor, truck tubes.

REMA TIP TOP tube patches with double-scalloped edge ensure perfect bonding and 100 % vulcanization.

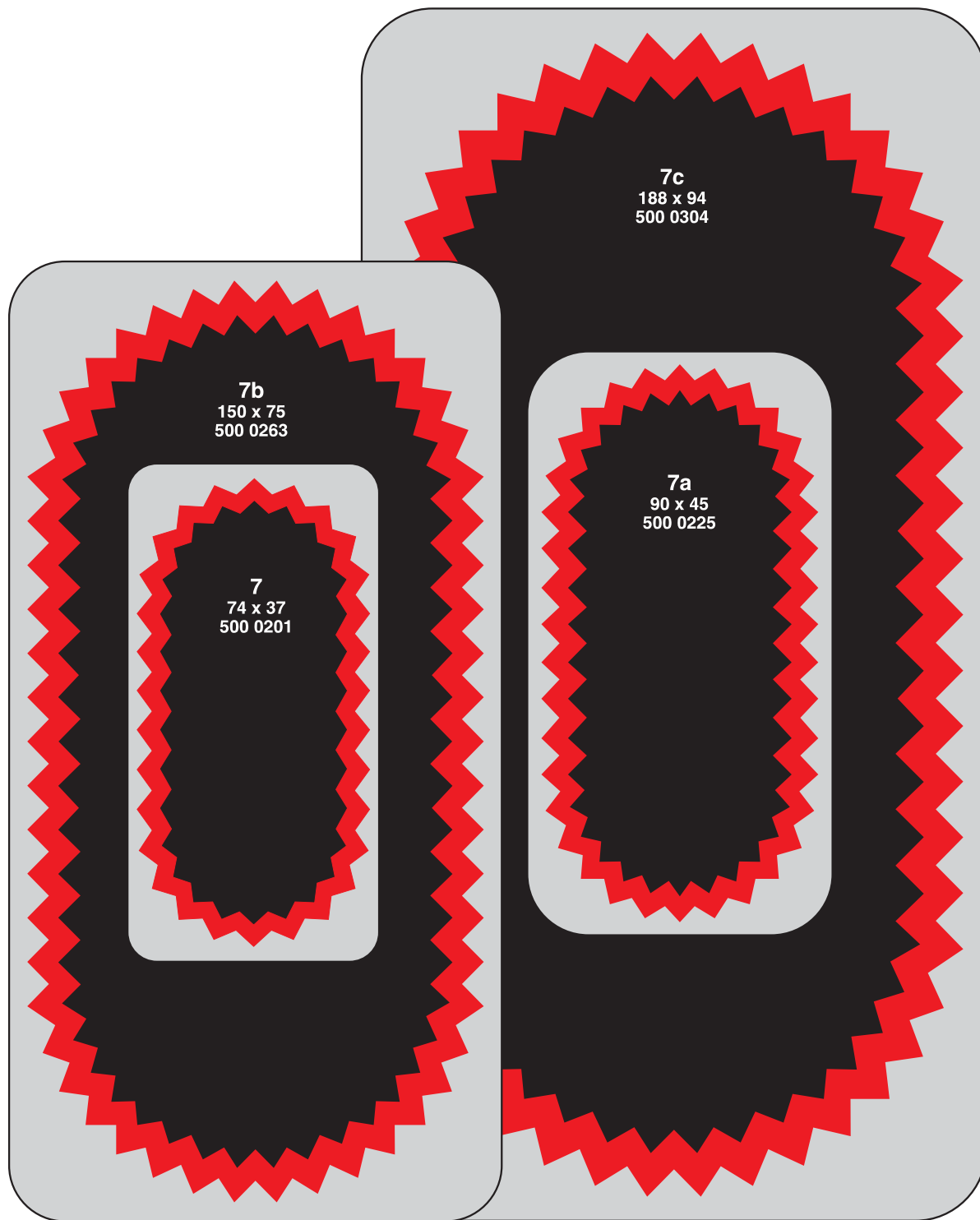
Due to the stepped multi-layer structure of their main bodies, they stretch evenly in all directions when the tube is inflated. Furthermore, they are feather-edged, thus they leave no edges on the repair area.





Repair Products for Tubes

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Tube Patches shown in original size, in mm approx.

All patch sizes are also available with a black bonding layer, on request.





Repair Products for Tubes



■ Tube patches, red edge, black edge

REMA TIP TOP tube patches with double-scalloped edge ensure perfect bonding and 100 % vulcanization. On inflation the patch stretches in all directions equally. This is further assisted by its non-stepped feathered edge.

Ref.-No.	Description	Size (mm)	Qty					
red edge								
500 0012	F 0	Ø 16	5 x 100	●				
500 0029	F 1	Ø 25	5 x 100	●				
500 0191	F 2	50 x 25	6 x 100	●				
500 0036	No. 0	Ø 30	6 x 100	●	●	●		
500 0043	No. 1	Ø 35	6 x 30	●	●	●		
500 0050	No. 2	Ø 45	6 x 30		●	●		
500 0067	No. 3	Ø 54	6 x 30			●	●	●
500 0081	No. 4	Ø 75	3 x 30			●	●	●
500 0108	No. 5	Ø 94	1 x 10				●	●
500 0122	No. 6	Ø 116	1 x 10				●	●
500 0201	No. 7	74 x 37	6 x 30		●	●		
500 0225	No. 7A	90 x 45	3 x 30			●	●	●
500 0263	No. 7B	150 x 75	1 x 10				●	●
500 0304	No. 7C	188 x 94	1 x 10				●	●
black edge								
500 1011	F 0	Ø 16	5 x 100	●				
500 1028	F 1	Ø 25	5 x 100	●				
500 1190	F 2	50 x 25	6 x 100	●				
500 1035	No. 0	Ø 30	6 x 100	●	●	●		
500 1042	No. 1	Ø 35	6 x 30	●	●	●		
500 1059	No. 2	Ø 45	6 x 30		●	●		
500 1066	No. 3	Ø 54	6 x 30			●	●	●
500 1080	No. 4	Ø 75	3 x 30			●	●	●
500 1107	No. 5	Ø 94	1 x 10				●	●
500 1121	No. 6	Ø 116	1 x 10				●	●
500 1200	No. 7	74 x 35	6 x 30		●	●		
500 1224	No. 7A	90 x 45	3 x 30			●	●	●
500 1262	No. 7B	150 x 75	1 x 10				●	●
500 1303	No. 7C	188 x 94	1 x 10				●	●



Repair Products for Tubes

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■ Tube repair kits

Ref.-No.	Description	Contents	Qty			
506 0306	TT 11	6 tube patches 0, 1 tube patch 7, 1 tube of SVS Solution 5 g, emery paper	24	●	●	
506 4302	TT 11 (with self service clip)	6 tube patches 0, 1 tube patch 7, 1 tube of SVS Solution 5 g, emery paper	40	●	●	
506 0519	TT 12	4 tube patches 1, 2 tube patches 2, 1 tube patch 3, 1 tube patch 4, 1 tube patch 7, 1 tube patch 7 A, 1 tube of SVS Solution 10 g, 1 rasp	10	●	●	
506 4515	TT 12 (with self service clip)	4 tube patches 1, 2 tube patches 2, 1 tube patch 3, 1 tube patch 4, 1 tube patch 7, 1 tube patch 7 A, 1 tube of SVS Solution 10 g, 1 rasp	20	●	●	
506 0911	TT 20	8 tube patches 1, 2 tube patches 2, 1 tube patch 3, 1 tube patch 4, 1 tube patch 5, 2 tube patches 7, 1 tube patch 7A, 1 tube patch 7B, 1 tube of SVS Solution 25 g, 3 rasps, 3 short valve cores	1		●	
507 0011	TT 21	14 patches 1, 4 patches 2, 2 patches 3, 2 patches 4, 1 patch 5, 4 patches 7, 2 patches 7A, 2 patches 7B, 1 PN 03, 1 tube of SVS Solution 50 g, 5 rasps, 1 rasp handle, 3 short valve cores, 1 sticher	1		●	
507 0310	TT 30	12 patches 2, 6 patches 3, 2 patches 4, 1 patch 5, 3 patches 7, 4 patches 7A, 2 patches 7B, 2 PN 03, 1 tube of SVS Solution 50 g, 2 rasps, 1 rasp handle, 1 sticher	1			●

■ Repair kits

Ref.-No.	Description	Contents	Qty	
506 0375	REP & AIR	2 tube patches 0, 1 tube patch 7, 1 tube of SVS Solution 2.8 g, emery paper, 4 CO ₂ cartridges à 16 g, car short valve cores, slotted valve cap	5	●
506 0351	REP & AIR	3 cartridges each 16 g, 1 x adapter, 3 SUPER SEALASTIC repair plugs, 1 x SPECIAL CEMENT BL tube, 1 x inserting tool, 1 x chalk, 1 x manual	5	●

■ Workshop kit

Ref.-No.	Description	Contents	
507 0602	TT 40	70 patches 1, 50 patches 2, 40 patches 3, 10 patches 4, 30 patches 7, 20 patches 7A, 5 patches 7B, 1 tube of SVS Solution 175 g, 2 rasps, 1 rasp handle, 1 sticher, 3 rubber-based car valves	●
507 9706	TT 42	30 patches F2, 100 patches 1, 40 patches 2, 20 patches 3, 50 patches 7, 1 tube of SVS Solution 175 g, 2 rasps, 1 rasp handle, 1 sticher, 1 LIQUID BUFFER 250 ml	●





Repair Products for Tubes



■ Sets for two-wheel vehicles

Ref.-No.	Description	Contents	Qty					
506 0007	TT 01	4 tube patches F1, 1 tube patch F2, 1 tube of SVS Solution 2.8 g, emery paper, valve tube	36	●				
506 4003	TT 01 (with self service clip)	4 tube patches F1, 1 tube patch F2, 1 tube of SVS Solution 2.8 g, emery paper, valve tube	10	●				
506 0100	TT 02	6 tube patches F1, 1 tube patch F2, 1 tube of SVS Solution 5 g, emery paper, valve tube	24		●			
507 9892	TT 02 (dispenser)	6 tube patches F1, 1 tube patch F2, 1 tube of SVS Solution 5 g, emery paper, valve tube	20		●			
506 4106	TT 02 (with self service clip)	6 tube patches F1, 1 tube patch F2, 1 tube of SVS Solution 5 g, emery paper, valve tube	10		●			
506 0045	TT 04	4 tube patches F0, 1 tube patch F0, 1 tube of SVS Solution 2.8 g, emery paper,	36			●		
506 4041	TT 04 (with self service clip)	4 tube patches F0, 1 tube patch F0, 1 tube of SVS Solution 2.8 g, emery paper,	10			●		
506 0193	TT 05	2 tube patches F1, 1 tube patch F2, 1 tyre patch round, 1 tube patch 0, 2 tyre levers, 1 tube of SVS Solution 5 g, emery paper	16				●	
506 4199	TT 05 (with self service clip)	2 tube patches F1, 1 tube patch F2, 1 tyre patch round, 1 tube patch 0, 2 tyre levers, 1 tube of SVS Solution 5 g, emery paper	10				●	
506 0382	TT 05 Profi	CO ₂ cartridge 16 g, CO ₂ adapter, slotted valve cap, bike reduction adapter, car short valve cores, 1 tube of SVS Solution 5 g	10				●	
506 4175	TT 05 Profi (with self service clip)	CO ₂ cartridge 16 g, CO ₂ adapter, slotted valve cap, bike reduction adapter, car short valve cores, 1 tube of SVS Solution 5 g	10				●	
506 0196	TT 05 (plastic bag)	2 tube patches F1, 1 tube patch F2, 1 tyre patch oval, 1 tube patch 0, 2 tyre levers, 1 tube of SVS Solution 5 g, emery paper					●	
506 0605	TT 06	CO ₂ cartridge 16 g, CO ₂ adapter, slotted valve cap, 2 tube patch F1, 2 tube patches F2, 2 tube patches No. 1, 1 tube of SVS Solution 5 g, emery paper, rapid valve, car short valve cores, union nut, bike reduction adapter	10				●	
506 4601	TT 06 (with self service clip)	CO ₂ cartridge 16 g, CO ₂ adapter, slotted valve cap, 2 tube patches F1, 2 tube patches F2, 2 tube patches No. 1, 1 tube of SVS Solution 5 g, emery paper, rapid valve, car short valve cores, union nut, bike reduction adapter	10				●	
506 0203	TT 10	4 tube patches 0, 1 tube patch 7, 1 tube of SVS Solution 5 g, emery paper	24					●
506 4209	TT 10 (with self service clip)	4 tube patches 0, 1 tube patch 7, 1 tube of SVS Solution 5 g, emery paper	10					●



Repair Products for Tubes

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■ Rubber base valves

Ref.-No.	Description	Qty/ pack	Rubber base Ø (mm)	Bending angle (°)	Valve length (mm)	Shaft Ø (mm)	TR- No.				
501 0040	Moped valve	10	45					●			
501 0071	Scooter valve	10	45	70				●			
501 0088	Scooter valve	10	45	90				●			
501 0136	Car valve	10	60		38	12	13		●		
501 0143	Car valve	10	60		38	13.5	14		●		
501 0150	Car valve	10	60		38	16.5	15		●		
501 0174	Car valve	10	80		52	16.5	25		●		
501 0181	Car valve	10	80		67	13.5	35		●		
501 0167	Car valve, slanted	10	60		41	13.5	14		●		
501 0215	Truck valve	10	90		94	13.5	50			●	
501 0318	Truck valve	5	90		95.5		75a			●	
501 0332	Truck valve	5	90		105.5		76a			●	
501 0356	Truck valve	5	90		115.5		177a			●	
501 0370	Truck valve	5	90		125.5		77a			●	
501 0394	Truck valve	5	90		135.5		175a			●	
501 0404	Truck valve	5	90		147.5		78a			●	
501 0428	Truck valve	5	120		163.5		179a			●	
501 0442	Truck valve	5	120		178.5		79a			●	
501 0253	Air/water tractor valve (old type)	10	80				218				●
501 0277	Air/water tractor valve (new type)	10	80				218a				●

Ref.-No.	Description	Qty
563 1900	Plastic rim ferrule	5

suitable for **TR 13**
rim hole Ø (mm) **16**
Comparison **Alligator 3305**

Ref.-No.	Description	Qty
501 0600	Special rubber valve, retractable	5

suitable for **rubber tubes used for swimming and other sports equipment.**

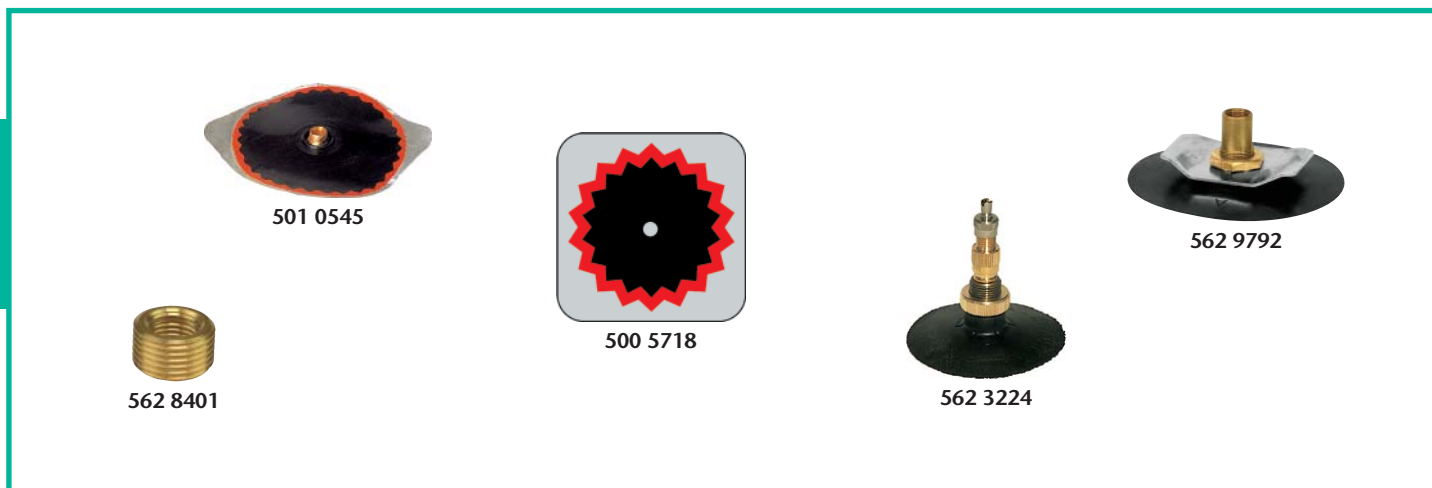
Note: Always mechanically buff the tube when repairing with valve patch or rubber base valve.





Repair Products for Tubes

1



■ Valve seating

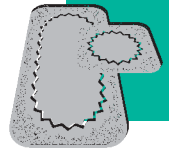
Ref.-No.	Description	Base-Ø (mm)	Qty	
501 0545	Truck valve seating VG12	80	10	●
501 0583	Truck valve seating VG12	120	5	●
501 0507	Truck valve seating VG8 (Michelin)	80	10	●
501 0521	Truck valve seating VG8 (Michelin)	120	5	●

■ Valve patch (fabric-reinforced)

Ref.-No.	Description	Hose size (inches)	Valve-Ø (mm)	Qty				
500 5718	Valve patch V1	Tube	7.5	10	●	●	●	
500 5725	Valve patch V2	2.50 x 19	7.5	10		●	●	
500 5732	Valve patch V3	3.00 x 19 and 3.50 x 19	7.5	10			●	●
500 5749	Valve patch V4	4.25 x 15 up to 7.00 x 20	7.5	10			●	●
500 5756	Valve patch V5	7.25 x 20 up to 7.50 x 20	7.5	10				●
500 5763	Valve patch V6	8.25 x 20 up to 14.00 x 20	7.5	10				●

■ Rubber spuds

Ref.-No.	Description	Comparison Alligator	Qty			
563 1948	Rubber base VG8	5670	10	●		
562 8401	Reduction thread ring (VG8 to VG12)	5705	10	●		
562 3224	Tractor valve TR-No. 218a	2050a	10		●	
562 2885	Chrome Rim nut		10		●	
562 2861	Plastic rim nut		10		●	
562 9792	Rubber spud with non-return valve for EM tubes TR-No. SP4000	11240/2a	10			●



Repair Products for Tubes

■ LIQUID BUFFER

LIQUID BUFFER (Free of CFC and Aromatic Compounds)

Quick and easy cleaning and buffing of tubes; chemical cleaning before buffing.

Ref.-No.	Description	Qty
505 9685	LIQUID BUFFER, 250 ml tin	25
505 9702	LIQUID BUFFER, 1000 ml can	10
505 9719	LIQUID BUFFER, 5 l can	1
505 9692	LIQUID BUFFER, 500 ml spray	10

Accessories:

593 0144 Spray bottle

■ Vulcanizing fluid

Vulcanizing fluid (Free of CFC and Aromatic Compounds)

For the vulcanization of tube patches, valve patches and rubber-based valves.

Ref.-No.	Description	Qty
505 9018	Vulcanizing fluid, 2,8 g tube	50
505 9025	Vulcanizing fluid, 2,8 g tube	10
505 9032	Vulcanizing fluid, 5 g Tube	50
505 9056	Vulcanizing fluid, 10 g tube	50
505 9128	Vulcanizing fluid, 25 g tube	50
505 9142	Vulcanizing fluid, 50 g tube	25
505 9159	Vulcanizing fluid, 70 g brush-top can	25
505 0196	Vulcanizing fluid, 175 g can	25
505 9197	Vulcanizing fluid, 175 g brush-top can	25
505 9245	Vulcanizing fluid, 500 g can	10



505 9685



505 9702



505 9692



505 9018 - 505 9245



Repair Products for Tyres



511 1200

Advice: Maximum number of repairs carried out with Combi repair plugs in one tyre. → Always check whether repairs already carried out in the tyre are defective. Axial distance between repairs: minimum 15 cm/6"

Reparable area in ←%→ of the tread width	Speed Index	Minicombi					
		3	4,5	6	8	10	
		A3	A4.5	A6	B8	B10	
-J		●	●	●			2
K-T		●	●				1
H-ZR		●					
-V		●					3
-V		●	●	●			
max. LI = 177							
ZR-W		●	●	●			
		●	●	●	●	●	
-75%		●	●	●	●	●	

Repair charts valid at the time of printing.

MINICOMBI

REMA TIP TOP MINICOMBI

- MINICOMBI, the combined patch/plug tyre repair for punctures to the tread of both radial and cross-ply tyres
- The MINICOMBI repair units self-vulcanize in the tyre
- The tyre inside and the puncture channel are repaired in one operation
- The ingress of moisture, dirt, stones or all materials that lead to premature deterioration of the casing and belts is prevented
- All MINICOMBIs are available with the practical and time-saving metal plists



Ref.-No.	Description
511 1200	PROFI MINICOMBI BOX

Contents: (products can also be ordered individually)

511 1217	MINICOMBI A3 refill, 10 pieces
511 1224	MINICOMBI A4.5 refill, 8 pieces
511 1231	MINICOMBI A6 refill, 8 pieces
505 9685	LIQUID BUFFER, 250 ml
596 1027	Patch sticher
595 8353	Brush top
595 4900	Carbide cutter Ø 3 mm
595 5019	Carbide cutter Ø 4.5 mm
595 4962	Carbide cutter Ø 6 mm
595 4216	Dome Rasp
595 4034	Arbour
506 0519	TT 12
515 9028	INNERLINER SEALER, 175 g
515 9334	SPECIAL CEMENT BL, 30 g
505 9685	LIQUID BUFFER, 250 ml
220 0004	Leak detection spray

HSS mill cutters

Recommended RPM, max. 2500



Wear Safety Goggles

Ref.No.	Description
595 4917	HSS mill cutter 3 mm Ø
511 1767	HSS mill cutter 4.5 mm Ø
511 1781	HSS mill cutter 6 mm Ø
511 1798	HSS mill cutter 8 mm Ø



Repair Products for Tyres



Ref.-No.	Description
511 2151	MINICOMBI Kit A3/A6

Combi-Pack A3/A6

Used for tread damage from 3 mm up to 6 mm

Contents 25 x A3, 20 x A6, 6 tubes of SPECIAL CEMENT BL à 12 g, 1 HSS steel cutter Ø 3 mm, 1 HSS steel cutter Ø 6 mm



Ref.-No.	Description
511 2209	MINICOMBI Kit A6/B8

Combi pack A6/B8

Used for tread damage from 6 mm up to 8 mm

Contents 20 x A6, 20 x B8, 4 tubes of SPECIAL CEMENT BL à 30 g, 1 HSS steel cutter Ø 6 mm, 1 HSS steel cutter Ø 8 mm



Ref.-No.	Description
511 1956	MINICOMBI KIT A3

Used for tread damage up to 3 mm

Contents 25 pieces, 3 tubes of SPECIAL CEMENT BL à 12 g, 1 HSS steel cutter Ø 3 mm



Ref.-No.	Description
511 1963	MINICOMBI A3 refill, 50 pieces

Used for tread damage up to 3 mm



Ref.-No.	Description
511 3208	MINICOMBI KIT A4.5

Used for tread damage up to 4.5 mm

Contents 20 pieces, 2 tubes of SPECIAL CEMENT BL à 30 g, 1 HSS steel cutter Ø 4.5 mm



Ref.-No.	Description
511 3215	MINICOMBI A4.5 refill, 40 pieces

Used for tread damage up to 4.5 mm



Ref.-No.	Description
511 3040	MINICOMBI KIT A6

Used for tread damage up to 6 mm

Contents 20 pieces, 2 tubes of SPECIAL CEMENT BL à 30 g, 1 HSS steel cutter Ø 6 mm



Ref.-No.	Description
511 3057	MINICOMBI A6 refill, (with pilot), 40 pieces

Used for tread damage up to 6 mm



Ref.-No.	Description
511 3071	MINICOMBI A6 refill, (no pilot), 40 pieces, 6 pull wires

Used for tread damage up to 6 mm



511 2151



511 2209



511 1956



511 3208



511 3040

2



Repair ▶ Tubeless ▶ MINICOMBI
 Repair ▶ Tubeless ▶ Sealing

Repair Products for Tyres



511 3095



511 3143



510 2147



Ref.-No.	Description
511 3095	MINICOMBI KIT B8

Used for tread damage up to 8 mm

Contents 20 pieces, 2 tubes of SPECIAL CEMENT BL à 30 g,
1 HSS steel cutter Ø 8 mm



Ref.-No.	Description
511 3105	MINICOMBI B8 refill, (with pilot), 20 pieces

Used for tread damage up to 8 mm



Ref.-No.	Description
511 3129	MINICOMBI B8 refill, (no pilot), 20 pieces, 3 pull wires

Used for tread damage up to 8 mm



Ref.-No.	Description
511 3143	MINICOMBI B10 (with pilot), 18 pieces

Used for tread damage up to 10 mm



Ref.-No.	Description
511 3136	MINICOMBI B10, (no pilot), 18 pieces, 3 pull wires

Used for tread damage up to 10 mm

Accessories:

511 1808 Pull wire/MINICOMBI A6/B8/B10

■ SEALASTIC

Temporary nail hole repair for tubeless cross-ply truck tyres mounted on the rim (max. injury size 8 mm) as well as EM and agricultural tyres (maximum injury size 15 mm); also suitable for tubeless radial EM tyres (up to a maximum speed of 40 km/h, if the special cutter (Ref.-No. 595 5002) is used). The SEALASTIC KIT 510 1155 contains all repair materials and tools for the repair. For larger injuries, use the corresponding TIP TOP repair patches according to the relevant repair chart.



Ref.-No.	Description
510 1155	EM/OTR SEALASTIC KIT,

Contents 10 EM repair plugs, 2 x 40 g SPECIAL CEMENT BL,
inserting tool - EM, Rat tail rasp Ø 6.5 mm (1/4")



Ref.-No.	Description
510 2147	Truck SEALASTIC, replacement pack, 20 pieces



Ref.-No.	Description
510 2161	EM SEALASTIC, replacement pack, 20 pieces



Ref.-No.	Description
510 2226	Inserting tool - Truck
510 2233	Inserting tool - EM/OTR



Ref.-No.	Description
595 8944	Rat tail rasp, Ø 6.5 mm



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Repair Products for Tyres

■ SUPER SEALASTIC

Temporary repair for mounted cross-ply tyres. For a permanent repair, use the TIP TOP patches corresponding to the valid repair chart.

Ref.-No.	Description
510 3304	SUPER SEALASTIC workshop kit

Contents 50 pieces, 2 tins of SPECIAL CEMENT BL à 40 g, chalk, knife, inserting tool

Ref.-No.	Description	Qty
510 3407	SUPER SEALASTIC driver kit	6

Contents 5 pieces, 1 tube SPECIAL CEMENT BL à 12 g, chalk, knife, inserting tool

Ref.-No.	Description
510 3108	SUPER SEALASTIC - car, replacement pack, 50 pieces

Ref.-No.	Description
510 2219	Inserting tool - car

■ SEALFIX

SEALFIX strings, temporary repairs to tread punctures.

Professional Tyre Repair

We recommend demounting the tyre from the rim, in order to determine the actual damage size. For the use of the tyre in countries without speed limit, we recommend that the possibility of repairing the damage with SEALFIX/REMASEAL should be checked by a tyre expert.

For a permanent repair, it is necessary to apply a TIP TOP tyre patch or a TIP TOP MINICOMBI on the inside of the tyre. For safety reasons, we also warn you not to carry out a sidewall repair with SEALFIX/REMASEAL.

All products to be used with SPECIAL CEMENT BL only!

Ref.-No.	Description
510 1849	SEALFIX driver kit

Contents 5 strings, hand rasp, inserting tool, 1 tube of SPECIAL CEMENT BL à 20 g

Ref.-No.	Description
510 1832	SEALFIX workshop kit

Contents 25 strings, hand rasp, inserting tool, 1 tin of SPECIAL CEMENT BL à 40 g, chalk, knife

Ref.-No.	Description
510 1801	SEALFIX replacement pack, 50 pieces

Ref.-No.	Description
510 1863	SEALFIX replacement pack, 25 pieces



510 3304



510 3407



510 1832

2



Repair Products for Tyres



510 1667



510 3603

■ REMASEAL

Ref.-No.	Description
510 1667	REMASEAL workshop kit, 45 pieces
Contents	<i>45 strings, inserting tool (length 70 mm), knife, ratchet, rotary cutter Ø 6 mm, 1 tin of SPECIAL CEMENT BL à 350 g with screw top brush</i>
510 1612	REMASEAL replacement pack, 45 pieces
510 1681	REMASEAL workshop kit, 35 pieces
Contents	<i>35 strings, inserting tool (length 90 mm), knife, ratchet, rotary cutter Ø 6 mm, 1 tin of SPECIAL CEMENT BL à 350 g with screw top brush</i>
510 1636	REMASEAL replacement pack, 35 pieces

■ SUPER RADIAL ANCHOR SEAL

Ref.-No.	Description
510 3603	SRAS workshop kit
Contents	<i>25 plugs, 1 tin of SPECIAL CEMENT BL à 40 g, ratchet, inserting tool, chalk, knife</i>
510 3706	SRAS replacement pack, 50 plugs

■ Accessories for SRAS

Ref.-No.	Description
510 2240	Hand rasp Ø 6 mm
510 1557	Rotary cutter Ø 6 mm
510 1540	Hand ratchet (Right/Left)
510 2202	Folding insert tool



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Repair Products for Tyres



512 6707
512 6714

512 6721
512 6738

510 1935 - 510 1997

512 6745
512 6752

2

■ UNIVERSAL PATCH (UP)

For the repair of small injuries to radial-, cross-ply-, tube and tubeless tyres.



Ref.-No.	Description	Size (mm)	Qty
512 6707	UP 3	35	100
512 6714	UP 3, 500 pcs in bucket	35	1
512 6769	UP 4.5	45	92
512 6776	UP 4.5, 300 pcs in bucket	45	1
512 6721	UP 6	60	50
512 6738	UP 6, 200 pcs in bucket	60	1
512 6745	UP 8	67	50
512 6752	UP 8, 150 pcs in bucket	67	1

UP Universal Patch	C Ø max. mm			
	3	UP 3	UP 3	UP 3
- T	4,5	UP 4,5	UP 4,5	UP 4,5
	6	-	UP 6	UP 6
H - V	3	UP 3	UP 3	-
	4,5	UP 4,5	UP 4,5	-
	6	-	UP 6	-
W - ZR	3	-	UP 3	UP 3
	4,5	-	UP 4,5	UP 4,5
	6	-	UP 6	UP 6
	8	-	UP 8	-

Repair charts valid at the time of printing.

■ REMA STEM

For the filling of the skive, in the case of cylindrical puncture channels in the tread area. REMA STEM units are precured rubber plugs which can be used only together with the corresponding TIP TOP patches. To select the appropriate patch size, refer to the valid repair charts. Is suitable for hot- and cold vulcanization.

Ref.-No.	Description	Injury diameter (mm)	Qty		
510 1935	REMA STEM 6	6	60	●	●
510 1942	REMA STEM 8	8	60	●	●
510 1928	REMA STEM 10	10	20	●	●
510 1959	REMA STEM 12	12	20	●	●
510 1973	REMA STEM 17	17	5	●	●
510 1997	REMA STEM 22	22	5	●	●





Repair Products for Tyres



512 1609



512 1757

2

■ RAD, 100 Series

Repair patches for durable repairs to radial tyres of all sizes and for all applications. Suitable for hot- or self-vulcanization thanks to the unique bonding layer together with the appropriate TIP TOP accelerator solutions.

Ref.-No.	Description	Ply rating	Dimensions, length x width (mm)	Qty					
512 1104	RAD 110 TL	1	75 x 55	20		●			
512 1128	RAD 112 TL	1	115 x 70	10		●			
512 1142	RAD 114 TL	1	130 x 85	10		●			
512 1159	RAD 115 TL	1	90 x 75	20	●	●			
512 1207	RAD 120 TL	2	125 x 80	10	●		●	●	
512 1221	RAD 122 TL	2	175 x 75	10	●		●	●	
512 1245	RAD 124 TL	2	220 x 75	10			●		
512 1252	RAD 125 TL	3	125 x 115	10			●		
512 1269	RAD 126 TL	3	260 x 75	10			●		
512 1283	RAD 128 TL	3	330 x 75	10			●		
512 1355	RAD 135 TL	4	180 x 130	10			●		
512 1403	RAD 140 TL	3	195 x 100	10	●		●		
512 1427	RAD 142 TL	4	260 x 130	10	●		●		
512 1441	RAD 144 TL	4	335 x 130	10			●		●
512 1458	RAD 145 TL	4	230 x 180	5			●		●
512 1465	RAD 146 TL	4	440 x 180	5			●		●
512 1506	RAD 150 TL	5	580 x 180	5					●
512 1520	RAD 152 TL	5	580 x 240	3					●
512 1551	RAD 155 TL	5	330 x 260	5					●
512 1568	RAD 156 TL	7	720 x 270	3					●
512 1609	RAD 160 TL	7	860 x 270	3					●
512 1623	RAD 162 TL	7	1030 x 325	1					●
512 1654	RAD 165 TL	6	420 x 330	3					●
512 1685	RAD 168 TL	7	760 x 350	1					●
512 1757	RAD 175 TL	8	530 x 450	3					●
512 1805	RAD 180 TL	2	190 x 150	5				●	
512 1829	RAD 182 TL	3	240 x 185	5				●	
512 1843	RAD 184 TL	3	295 x 215	5				●	
512 1850	RAD 185 TL	Steelcord	730 x 530	1					●
512 1867	RAD 186 TL	3	340 x 245	5				●	
512 1881	RAD 188 TL	2	450 x 280	5				●	
512 1908	RAD 190 TL	2	550 x 310	5				●	



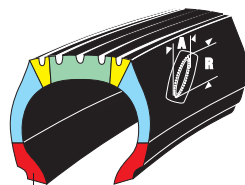


Repair Products for Tyres

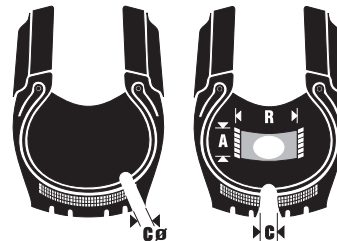


■ RAD Repair Patches Series 100

	max. A mm	max. R mm	RAD-Nr.	max. C Ø mm		
				max. A x R	max. C Ø mm	
	6	12	110 TL	10	10 x 10	8
	20	35	114 TL	20	20 x 20	8
	20	30	115 TL	18	18 x 18	8
	6	12	110 TL	8	8 x 8	6
	15	30	112 TL	12	12 x 12	6
	6	6	110 TL	6	6 x 6	3
	3	3	110 TL	6	6 x 6	3
	-	-	110 TL	3	3 x 3	3
	6	6	112 TL	6	6 x 6	6
	15	30	120 TL	15	15 x 15	8
	-	-	115 TL	10	10 x 10	8
	10	10	120 TL	12	12 x 15	8
	15	60	122 TL	15	15 x 15	10
	20	50	140 TL	25	25 x 40	15
	10	80	140 TL	25	25 x 40	15
	25	60	140 TL	25	25 x 40	15
	1 Cable	80	124 TL			
	2 Cables	60	124 TL			
	-	-	115 TL	8	8 x 8	6
	6	10	120 TL	10	10 x 15	8
	10	80	140 TL	20	20 x 40	15
	20	60	142 TL	30	30 x 50	20
	10	110	142 TL	30	30 x 50	20
	25	80	144 TL	40	40 x 70	25
	20	130	144 TL	40	40 x 70	25
	40	80	144 TL	40	40 x 70	25
	1 Cable	80	124 TL			
	2 Cables	60	126 TL			
	1 Cable	120	126 TL			
	3 Cables	60	126 TL			
	-	-	115 TL	8	8 x 8	6
	6	6	120 TL	10	10 x 10	6
	10	60	140 TL	15	15 x 20	10
	15	35	142 TL	25	25 x 50	20
	10	100	142 TL	25	25 x 50	20
	25	80	144 TL	40	40 x 70	25
	20	130	144 TL	40	40 x 70	25
	40	80	144 TL	40	40 x 70	25
	1 Cable	120	126 TL			
	3 Cables	60	126 TL			
	1 Cable	140	128 TL			
	2 Cables	80	128 TL			
	12	30	140 TL	8	8 x 8	6
	10	100	142 TL	20	20 x 30	20
	20	60	142 TL	20	20 x 30	20
	20	130	144 TL	30	30 x 50	25
	30	60	144 TL	30	30 x 50	25
	40	100	146 TL	40	40 x 70	30
	1 Cable	120	126 TL			
	3 Cables	60	126 TL			
	1 Cable	140	128 TL			
	2 Cables	80	128 TL			



• Nicht reparierbare Zone
Non repairable area
Zone non réparable
Zona no reparabile



Vmax 50 km/h					max. A mm	max. R mm	RAD-Nr.	max. C Ø mm		
Standard 100-90	Serie 85-80	Serie 75-70	Serie 65-60	Serie 55-45				max. A x R	max. C Ø mm	
8.3-12.4 180/-270/	275/- 320/	200/- 360/	320/- 340/		-	-	115	12	12 x 12	
					20	20	120	20	20 x 30	10
					50	70	180	40	40 x 60	25
					70	50	182	60	60 x 75	45
					60	100	184	75	75 x 90	55
					100	75	184	75	75 x 90	55
					60	125	184	75	75 x 90	55
					100	80	184	75	75 x 90	55
					100	80	184	75	75 x 90	55
					13.6-18.4 12-15/	335/- 420/	375/- 520/	420/- 540/		-
15	25	120	15	15 x 15						10
40	60	180	30	30 x 50						20
60	40	180	30	30 x 50						20
60	100	182	60	60 x 70						40
85	70	182	60	60 x 70						40
75	125	184	80	80 x 100						50
100	75	184	80	80 x 100						50
90	140	186	100	100 x 140						75
125	110	186	100	100 x 140						75
20.8-30.5	460/-	540/- 710/	600/- 800/	700/- 1050/	100	200	188	125	125 x 150	
					140	160	188	125	125 x 150	
					10	20	120	10	10 x 10	
					25	60	180	25	25 x 40	
					40	100	182	40	40 x 60	
					60	125	182	40	40 x 60	
					85	75	184	70	70 x 90	
					85	120	186	85	85 x 120	
					120	80	186	85	85 x 120	
					90	180	188	100	100 x 175	
125	125	188	100	100 x 175						
160	200	190	125	125 x 150						
125	250	190	125	125 x 150						

Vmax 40 km/h					max. A mm	max. R mm	RAD-Nr.	max. C Ø mm	
Standard 100-90	Serie 85-80	Serie 75-70	Serie 65-60	Serie 55-45				max. A x R	max. C Ø mm
5.00- 7.00		150/- 200/			10	10	115	6	6 x 6
					10	50	120	10	10 x 10
					15	30	122	10	10 x 20
7.50- 10.00		225/- 315/	250/- 355/		8	10	115	3	3 x 3
					8	30	122	10	10 x 10
					18	70	140	18	18 x 30
					15	50	140	18	18 x 30
					18	70	142	25	25 x 35
					25	50	142	25	25 x 35

This is the repair chart valid at the moment of printing (Ref.-No. 581 2000). Always refer to the repair chart and safety advice packed with the product!

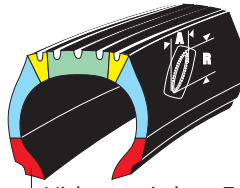




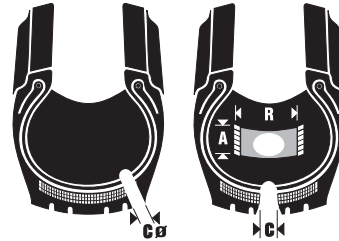
Repair Products for Tyres



■ RAD Repair Patches Series 100 OTR



• Nicht reparierbare Zone
 Non repairable area
 Zone non réparable
 Zona no reparable



SERIE 100	SERIE 75-80	Serie 65	①		RAD-Nr.	②		③
			max. A mm	max. R mm		max. C Ø mm	max. A x R mm	max. C Ø mm
14.00-30.00	15.5-33.5	20/-50/	20	70	144 TL	20	20 x 40	15
			25	150	146 TL	40	40 x 60	20
			50	100				
16.00-40.00	17.5-50.5	25/-65/	25	250	150 TL	50	50 x 80	35
			50	150	152 TL	90	90 x 120	55
			100	150				
18.00-40.00	20.5-50.5	35/-65/	50	300	156 TL	90	90 x 140	60
			100	200	168 TL	100	100 x 150	70
			130	180				
27.00-40.00	29.5-50.5	45/-65/	170	140				
			60	400	160 TL	90	90 x 180	65
33.00-40.00	37.25-50.5	55/-65/	120	250				
			60	480	162 TL	100	100 x 220	70
14.00-18.00	15.5-20.5	20/-35/	-	-	145 TL	40	40 x 70	-
21.00-30.00	23.5-33.5	40/-50/	-	-		25	25 x 50	-
16.00-21.00	17.5-23.5	25/-35/	-	-	155 TL	60	60 x 90	-
24.00-30.00	26.5-33.5	40/-50/	-	-		40	40 x 70	-
33.00-40.00	37.25-50.5	55/-65/	-	-		25	25 x 50	-
21.00-30.00	23.5-33.5	40/-50/	-	-	165 TL	80	80 x 110	-
33.00-40.00	37.25-50.5	55/-65/	-	-		60	60 x 90	-
27.00-40.00	29.5-50.5	45/-65/	-	-	175 TL	100	100 x 140	-
24.00 -	26.5 -	40/ -	-	-	185 TL	150	150 x 220	-

This is the repair chart valid at the moment of printing (Ref.-No. 581 2000).
 Always refer to the repair chart and safety advice packed with the product!







Repair Products for Tyres



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■ RAD, 500 Series

The steel-reinforced patch construction ensures a long service life and a low bulge factor, perfectly suits the tyre contour as well as the rolling behaviour and flex rates of the new-generation tyres.

Ref.-No.	Description	Dimensions, length x width (mm)	Qty		
512 5313	RAD 531 TL	165 x 88	10	●	
512 5337	RAD 533 TL	205 x 110	10	●	
512 5351	RAD 535 TL	245 x 110	10	●	
512 5375	RAD 537 TL	285 x 110	10	●	
512 5399	RAD 539 TL	325 x 115	10	●	
512 5416	RAD 541 TL	365 x 125	10	●	●
512 5430	RAD 543 TL	445 x 135	5	●	●
512 5454	RAD 545 TL	510 x 135	5		●
512 5478	RAD 547 TL	580 x 145	5		●
512 5492	RAD 549 TL	580 x 200	3		●
512 5519	RAD 551 TL	245 x 590	1		●
512 5533	RAD 553 TL	245 x 800	1		●
512 5557	RAD 555 TL	245 x 915	1		●
512 5571	RAD 557 TL	315 x 800	1		●

■ RAD, 500 Series ARAMID

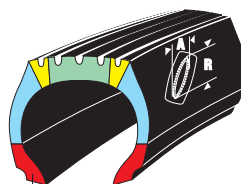
The aramide-reinforced patch construction ensures a long service life and a low bulge factor, perfectly suits the tyre contour as well as the rolling behaviour and flex rates of the new-generation tyres. **Low weight and high flexibility.**

Ref.-No.	Description	Dimensions, length x width (mm)	Qty	
512 5314	RAD 531 ARAMID	165 x 88	10	●
512 5338	RAD 533 ARAMID	205 x 110	10	●
512 5352	RAD 535 ARAMID	245 x 110	10	●
512 5376	RAD 537 ARAMID	285 x 110	10	●
512 5390	RAD 539 ARAMID	325 x 115	10	●

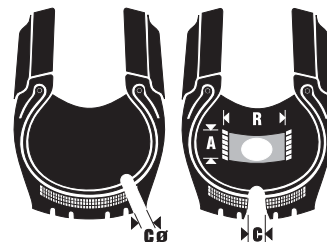




Repair Products for Tyres



• Nicht reparierbare Zone
 Non repairable area
 Zone non réparable
 Zona no reparable



■ RAD Repair Patches Series 500

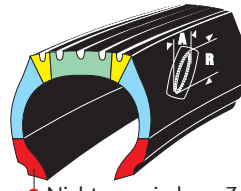
	Standard 100	Serie 85-80	Serie 75-70	Serie 65-60	Serie 55-45	① max. A x R mm	② max. C Ø mm max. A x R mm	③ max. C Ø mm	RAD No.	
 min. LI 122	6.00 - 7.50	7 R - 8.5 R 205/ - 235/	205/ - 235/	245/ - 265/		—	10	10 x 10	—	115
						15 x 30	15	15 x 15	10	531
						10 x 75	20	20 x 30	12	533
						20 x 60	25	25 x 40	15	535
						30 x 60	25	25 x 40	15	535
 	8.25 - 10.00 225/ - 245/	9 R - 10 R 245/ - 265/	245/ - 265/	275/ - 315/		—	15	15 x 15	—	225
						—	8	8 x 8	—	115
						12 x 30	15	15 x 15	10	531
						10 x 75	20	20 x 30	15	533
						20 x 60	20	20 x 30	15	533
						20 x 90	30	30 x 50	20	535
						25 x 80	30	30 x 50	20	535
						10 x 140	35	35 x 70	25	537
25 x 120	35	35 x 70	25	537						
35 x 80	35	35 x 70	25	537						
 	11.00 - 13.00 12.5 R - 14.75 R	11 R - 13 R 275/ - 385/ 12/ - 14/ 14.75/	275/ - 375/ 11/ - 13/	325/ - 385/		—	8	8 x 8	—	115
						12 x 25	12	12 x 12	10	531
						12 x 65	20	20 x 30	12	533
						20 x 50	20	20 x 30	12	533
						15 x 90	25	25 x 50	15	535
						25 x 70	25	25 x 50	15	535
						15 x 130	35	35 x 70	25	537
						35 x 70	35	35 x 70	25	537
						15 x 150	40	40 x 80	25	539
						30 x 100	40	40 x 80	25	539
40 x 85	40	40 x 80	25	539						
 max. LI 177 ROAD	14.00 - 16.00 375/ - 445/	15 R - 24 R 395/ - 475/ 15.5/ -	445/ - 605/	395/ - 525/	425/ - 445/	10 x 20	12	12 x 12	8	531
						10 x 50	15	15 x 25	10	533
						10 x 90	20	20 x 30	15	535
						20 x 60	20	20 x 30	15	535
						12 x 110	25	25 x 40	20	537
						25 x 70	25	25 x 40	20	537
						10 x 160	30	30 x 50	25	539
						15 x 120	30	30 x 50	25	539
						30 x 80	30	30 x 50	25	539
						20 x 130	40	40 x 60	25	541
						40 x 80	40	40 x 60	25	541
						15 x 170	40	40 x 70	30	543
45 x 100	40	40 x 70	30	543						
—	15	15 x 15	—	225						
—	25	25 x 25	—	235						
—	40	40 x 40	—	245						

This is the repair chart valid at the moment of printing (Ref.-No. 581 0820).
 Always refer to the repair chart and safety advice packed with the product!





Repair Products for Tyres



• Nicht reparierbare Zone
Non repairable area
Zone non réparable
Zona no reparable



■ RAD Repair Patches Series 500 OTR

	Standard 100	Serie 95-90	Serie 85-80	Serie 75-70	Serie 65-60	①		②		③	RAD No.
						max. A x R mm	max. C Ø mm	max. A x R mm	max. C Ø mm		
min LI 178 OTR	13.00 - 16.00	385/ - 445/	15 R - 20 R 445/ - 525/	22/		25 x 50	20	20 x 20	15	541	
						20 x 180	40	40 x 70	20	543	
						50 x 100					
						30 x 200	50	50 x 75	25	545	
						50 x 150					
						30 x 250	60	60 x 90	40	547	
						60 x 170					
						60 x 250	90	90 x 120	55	549	
						100 x 180					
						125 x 180	90	90 x 120	55	551	
—	15	15 x 15	—	235							
—	30	30 x 30	—	245							
	18.00 - 27.00	505/ - 575/	20.5 R - 29.5 545/ - 685/	555/ - 755/	25/ - 35/ 660/ - 750/	25 x 100	25	25 x 60	20	543	
						25 x 200	45	45 x 60	25	545	
						50 x 100					
						30 x 250	55	55 x 95	35	547	
						55 x 175					
						25 x 300	100	100 x 130	55	549	
						60 x 230					
						100 x 150					
						60 x 230	100	100 x 130	60	551	
						115 x 150					
						60 x 350	110	110 x 150	70	553	
						80 x 300					
						130 x 225					
60 x 400	110	110 x 175	80	555							
90 x 350											
130 x 275											
150 x 225	100	100 x 200	80	557							
200 x 150	125	125 x 150									
—	25	25 x 25	—	245							
—	60	60 x 60	—	155							
—	80	80 x 110	—	165							
	30.00 -	33.25 R - 55/ -	40.5/ -	40/ -		10 x 150	25	25 x 60	15	545	
						25 x 125					
						25 x 250	50	50 x 80	30	547	
						50 x 150					
						20 x 300	90	90 x 110	45	549	
						60 x 200					
						90 x 150					
						60 x 200	90	90 x 110	55	551	
						115 x 150					
						50 x 400	110	110 x 150	70	553	
						75 x 300					
						125 x 225					
						50 x 500	110	110 x 200	80	555	
						75 x 400					
						120 x 275					
140 x 225	100	100 x 200	80	557							
180 x 150	125	125 x 150									
—	40	40 x 40	—	155							
—	60	60 x 90	—	165							
—	100	100 x 140	—	175							
—	150	150 x 220	—	185							

This is the repair chart valid at the moment of printing (Ref.-No. 581 0820). Always refer to the repair chart and safety advice packed with the product!





Repair Products for Tyres



2

PN

Repair patches for durable repairs to cross-ply tyres of any size and for the applications indicated below.

Suitable for all the current vulcanizing systems, thanks to the fully integrated bonding layer together with the appropriate TIP TOP accelerator solutions.

Ref.-No.	Description	Patch diameter in cord direction (mm)	Qty	Ply rating	Tread and shoulder injury	Sidewall injury				
512 6020	PN 02	80	20	2	●	●		●	●	
512 6037	PN 03	100	10	2	●	●		●	●	
512 6044	PN 04	120	10	2	●	●		●	●	
512 6051	PN 05	160	10	4	●	●			●	
512 6116	PN 05 S	160	10	4		●			●	
512 6068	PN 06	235	10	6	●	●			●	
512 6123	PN 06 S	235	10	6		●			●	
512 6075	PN 07	295	10	6	●	●			●	
512 6130	PN 07 S	295	10	6		●			●	
512 6082	PN 08	345	5	6	●	●			●	
512 6147	PN 08 S	345	5	6		●			●	
512 6099	PN 09	390	5	8	●	●			●	
512 6154	PN 09 S	390	5	8		●			●	
512 6109	PN 010	450	3	8	●	●			●	
512 6161	PN 010 S	450	3	8		●			●	
512 6202	PN 020	255	10	4	●	●				●
512 6219	PN 021	370	5	4	●	●				●
512 6226	PN 022	510	3	4	●	●				●
512 6233	PN 023	255	10	6	●	●				●
512 6240	PN 024	370	5	6	●	●				●
512 6257	PN 025	510	3	6	●	●				●
512 6408	PN 040	160	5	4	●	●	●			
512 6415	PN 041	235	5	6	●	●	●			
512 6422	PN 042	265	5	8	●	●	●			





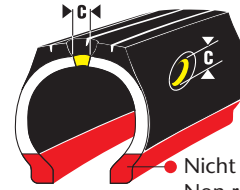
Repair Products for Tyres

P.N. DIAGONAL

■ CROSS-PLY Repair Patches Series PN



C		PR PLY RATING	-6	8 - 10	12 - 14	16 - 18
max. mm	max. inch					
25	1"	PN-Nr.	o20	o20	o20	o20
50	2"	PN-Nr.	o20	o20	o21	o23
75	3"	PN-Nr.	o20	o23	o23	o24
125	5"	PN-Nr.	o21	o24	o24	o25
175	7"	PN-Nr.	o22	o25	o25	-



● Nicht reparierbare Zone
Non repairable area
Zone non réparable
Zona no reparable



C		PR PLY RATING	-8	10 - 12	14 - 16	18 - 20	22 - 24
max. mm	max. inch						
25	1"	PN-Nr.	o40	o41	o41	o42	o42
50	2"	PN-Nr.	o40	o41	o42	o42	-
75	3"	PN-Nr.	-	o42	o42	-	-



C		PR PLY RATING	-4	6 - 8	10 - 12	14 - 16	18 - 20	22 - 24	-12	14 - 18	20 - 24
max. mm	max. inch										
10	3/8"	PN-Nr.	o2	o2	o3	o3	o4	o4	o2	o3	o3
15	1/2"	PN-Nr.	o3	o3	o4	o4	o5	o5	o2	o3	o4
25	1"	PN-Nr.	o3	o4	o5	o6	o6	o6	o3	o4	o5
35	1 3/8"	PN-Nr.	o4	o4	o5	o6	o7	o7	o3	o4	o5
50	2"	PN-Nr.	o5	o5	o6	o7	o8	o8	o5	o5	o6
75	3"	PN-Nr.	-	-	o7	o7	o9	o9	o6	o6	o7
100	4"	PN-Nr.	-	-	o8	o8	o9	o10	o7	o7	o8
125	5"	PN-Nr.	-	-	-	o10	o10	-	-	o8	o8




This is the repair chart valid at the moment of printing (Ref.-No. 581 0080).
Always refer to the repair chart and safety advice packed with the product!



Repair Products for Tyres

■ RAD, 200 Series

The steel-reinforced patch construction ensures a long service life and a low bulge factor, perfectly suits the tyre contour as well as the rolling behaviour and flex rates of the new-generation tyres.

Ref.-No.	Description	Dimensions, length x width (mm)	Qty	
512 2608	RAD 225 TL	125 x 115	10	●
512 2615	RAD 235 TL	180 x 130	10	●
512 2646	RAD 245 TL	230 x 180	5	●

■ Patch templates, 200 Series

Ref.-No.	Description	
513 1156	Patch template	for RAD 225
513 1163	Patch template	for RAD 235

■ Patch templates, 100 Series

Ref.-No.	Description	
513 1077	Patch template	for RAD 120
513 1084	Patch template	for RAD 122
513 1091	Patch template	for RAD 124
513 1101	Patch template	for RAD 126
513 1118	Patch template	for RAD 128
513 1125	Patch template	for RAD 140
513 1132	Patch template	for RAD 142
513 1149	Patch template	for RAD 144
513 1156	Patch template	for RAD 125
513 1163	Patch template	for RAD 135
513 1170	Patch template	for RAD 145

■ Patch templates, 500 Series

Ref.-No.	Description	
513 1204	Patch template	for RAD 533
513 1211	Patch template	for RAD 535
513 1228	Patch template	for RAD 537
513 1235	Patch template	for RAD 539
513 1242	Patch template	for RAD 541



Repair Products for Tyres



2

■ CROSS-PLY repair patches Series PN-OTR

Proven repair patch for durable repairs to cross-ply tyres of all sizes and for all applications (OTR = off the road tyres). Suitable for all the current vulcanizing systems, thanks to the unique, fully integrated bonding layer together with the appropriate accelerator solutions. The construction of the patches and the reinforcing materials are adapted to suit the different types of tyres in such a way that you can repair tyres safely without subjecting them to additional stress. The PN 050 series OTR repair patches are very compact and flexible; this makes the patch application easier and helps to ensure good dynamic properties of the repaired tyres. This range of repair patches, with its very specific gradations, opens up a new dimension in tyre repair.

Ref.-No.	Description	Patch diameter in cord direction (mm)	Qty	Ply rating	Tread and shoulder injury	Sidewall injury	
512 2000	PN 050	240	12	4	●	●	●
512 2017	PN 050+	240	10	6	●	●	●
512 2024	PN 052	360	12	6	●	●	●
512 2031	PN 052+	360	10	8	●	●	●
512 2048	PN 054	480	5	8	●	●	●
512 2055	PN 054+	480	5	10	●	●	●
512 2062	PN 056	660	5	10	●		●
512 2079	PN 056+	660	5	12	●		●
512 2402	PN 056 S	660	5	10		●	●
512 2419	PN 058 S+	660	5	12		●	●
512 2093	PN 058	810	3	12	●		●
512 2103	PN 058+	810	3	14	●		●
512 2433	PN 058 S	810	3	12		●	●
512 2440	PN 058 S+	810	3	14		●	●
512 2110	PN 060	1010	1	14	●		●
512 2127	PN 060+	1010	1	16	●		●
512 2457	PN 060 S	1010	1	14		●	●
512 2464	PN 060 S+	1010	1	16		●	●

■ Patch templates, CROSS-PLY

Ref.-No.	Description
513 1015	Patch template for PN 03
513 1022	Patch template for PN 04
513 1039	Patch template for PN 05
513 1046	Patch template for PN 06
513 1053	Patch template for PN 07
513 1060	Patch template for PN 08
513 1186	Patch template for PN 09





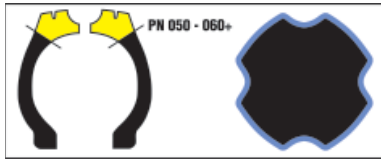
Repair Products for Tyres

P.N. DIAGONAL

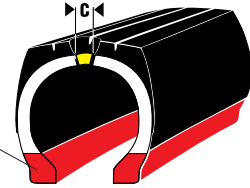


■ CROSS-PLY Repair Patches Series PN-OTR

Tread and Shoulder Injuries, Section Repairs

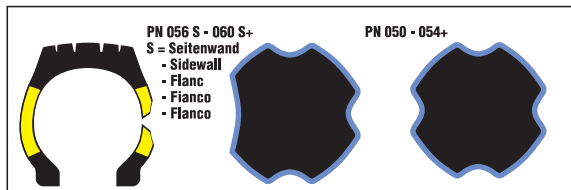


Nicht reparierbare Zone
Non repairable area
Zone non réparable
Zona no reparable

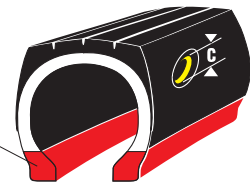


max. mm	C max. inch	PR PLY RATING	10-14	16-20	22-26	28-32	34-38	40-44	46-50	52-58	60-
			15	1/2	PN-Nr.	050	050	050	050	050+	050+
25	1	PN-Nr.	050	050	050	050+	050+	050+	050+	052	052
50	2	PN-Nr.	050	050	050	050+	052	052	052	054	054
75	3	PN-Nr.	050	050+	052	052	052	052+	054	054+	056
100	4	PN-Nr.	052	052	052	052+	054	054+	056/052+	056/052+	056/052+
125	5	PN-Nr.	052	052+	052+	054	054+	056+	056/052+	056+/054	056+/054+
150	6	PN-Nr.	052	054	054	054+	054+	056/052	056/054	056+/054	058/056
175	7	PN-Nr.	052	054	054	054+	056+	056+/052	058+/054	058+/054	058+/056
200	8	PN-Nr.	-	054	056	056+	058+	056+/052	058/056	058+/056	060/056+
225	9	PN-Nr.	-	-	056	056+	058+	058/054	058+/056	060/056	060+/056
250	10	PN-Nr.	-	-	056	056+	058/052	058/054	060/056	060+/056	060+/056+

Sidewall Injuries



Nicht reparierbare Zone
Non repairable area
Zone non réparable
Zona no reparable



max. mm	C max. inch	PR PLY RATING	10-14	16-20	22-26	28-32	34-38	40-44	46-50	52-58	60-
			15	1/2	PN-Nr.	050	050	050	050	050+	050+
25	1	PN-Nr.	050	050	050	050+	050+	050+	050+	052	052
50	2	PN-Nr.	050	050	050	050+	052	052	052	054	054
75	3	PN-Nr.	050	050+	052	052	052	052+	054	054+	056S
100	4	PN-Nr.	052	052	052	052+	054	054+	056S/056+	056S/052+	056S/052+
125	5	PN-Nr.	052	052+	052+	054	054+	056S+	056S/052+	056S+/054	056S+/054+
150	6	PN-Nr.	052	054	054	054+	054+	056S/052	056+/054	056S+/054	058S/056S
175	7	PN-Nr.	052	054	054	054+	056S+	056S+/052	058S+/054	058S+/054	058S+/056S
200	8	PN-Nr.	-	054	056S	056S+	058S+	056S+/052	058S/056S	058S+/056S	060S/056S+

This is the repair chart valid at the moment of printing (Ref.-No. 581 0080).
Always refer to the repair chart and safety advice packed with the product!





Repair Products for Tyres

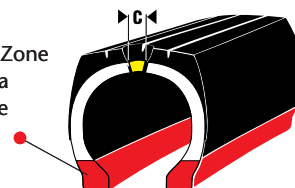


■ CROSS-PLY Repair Patches Series PN-OTR

Non penetrating injury (up to 50 %) to tread or shoulder (reinforcement repairs)

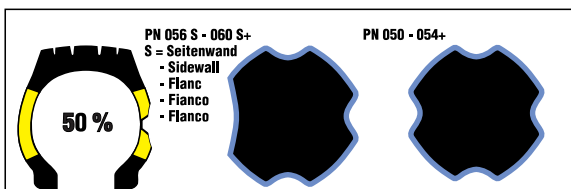


Nicht reparierbare Zone
Non repairable area
Zone non réparable
Zona no reparable

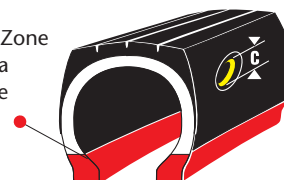


C	max. mm	max. inch	PR PLY RATING	10-14	16-20	22-26	28-32	34-38	40-44	46-50	52-58	60-
				PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.
50	2		PN-Nr.	050	050	050	050+	052	052	052+	052+	052+
100	4		PN-Nr.	050	050	052	052	052+	052+	054	054+	054+
150	6		PN-Nr.	052	052	054	054	054	054	054+	054+	056+
200	8		PN-Nr.	-	054	054	054	054	056	056	056+	058+
250	10		PN-Nr.	-	-	054	056	056	056	056+	058	058+

Non penetrating injury (up to 50 %) to the sidewall area (reinforcement repairs)



Nicht reparierbare Zone
Non repairable area
Zone non réparable
Zona no reparable



C	max. mm	max. inch	PR PLY RATING	10-14	16-20	22-26	28-32	34-38	40-44	46-50	52-58	60-
				PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.
50	2		PN-Nr.	050	050	050	050+	052	052	052+	052+	052+
100	4		PN-Nr.	050	050	052	052	052+	052+	054	054+	054+
150	6		PN-Nr.	052	052	054	054	054	054	054+	054+	056S+
200	8		PN-Nr.	-	054	054	054	054	056S	056S	056S+	058S+
250	10		PN-Nr.	-	-	054	056S	056S	056S	056S+	058S	058S+

This is the repair chart valid at the moment of printing (Ref.-No. 581 0080).
Always refer to the repair chart and safety advice packed with the product!





Repair Products for Tyres



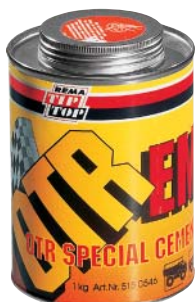
515 9365



515 9334



515 9420



515 0546



515 0553

■ SPECIAL CEMENT BL

Accelerator solution for the application of TIP TOP RAD-, PN- and UP-repair patches, MINICOMBI, REMA STEM, SV BLUE BONDING RUBBER, SEALASTIC, VULC COMPOUND. SPECIAL CEMENT BL can be used for self-vulcanization starting from 18 °C (64 °F) up to hot vulcanization up to 150 °C (302 °F).

Ref.-No.	Description	Qty
515 9303	SPECIAL CEMENT BL, free of CFC and aromatic compounds, 4 g tube	50
515 9327	SPECIAL CEMENT BL, free of CFC and aromatic compounds, 12 g	50
515 9334	SPECIAL CEMENT BL, free of CFC and aromatic compounds, 30 g tube	25
515 9341	SPECIAL CEMENT BL, free of CFC and aromatic compounds, 40 g tin	25
515 9358	SPECIAL CEMENT BL, free of CFC and aromatic compounds, 70 g tube	25
515 9365	SPECIAL CEMENT BL, free of CFC and aromatic compounds, 225 g tin	25
515 9389	SPECIAL CEMENT BL, free of CFC and aromatic compounds, 650 g tin	10
515 9396	SPECIAL CEMENT BL, free of CFC and aromatic compounds, 4 kg can	1
515 0814	SPECIAL CEMENT BL, 70 g tin	15
515 0340	SPECIAL CEMENT BL, 350 g tin	25
515 0357	SPECIAL CEMENT BL, 350 g tin with screw top brush	25
515 0371	SPECIAL CEMENT BL, 500 g tin	10
515 0388	SPECIAL CEMENT BL, 1000 g tin	10
515 0405	SPECIAL CEMENT BL, 6 kg can	1

■ SPECIAL CEMENT BLX

Accelerator paste for the application of TIP TOP RAD-, PN- and UP-repair patches; the product has an especially short drying time, for self-vulcanization at 18 °C/65 °F or higher temperatures and for hot vulcanization up to 150 °C/300 °F.

Ref.-No.	Description	Qty
515 9420	SPECIAL CEMENT BLX, free of CFC and aromatic compounds, 350 g tin	25

Accessories:

595 9307	Special brush
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■ SPECIAL CEMENT OTR

Accelerator solution for coating the buffed tyre inside, in connection with TIP TOP RAD- and PN-OTR-repair patches, this product is especially suitable for repairs to large tyres used on long-haul EM vehicles.

Ref.-No.	Description	Qty
515 0546	SPECIAL CEMENT OTR, 1 kg tin	10
515 0553	SPECIAL CEMENT OTR, 6 kg can	1



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Repair Products for Tyres

■ HR SOLUTION

Accelerator solution for coating the buffed tyre inside during the application of RAD-, PN- or UP-repair patches, with the vulcanizing temperature being higher than 85 °C (185 °F). HR SOLUTION helps to extend the waiting time until the start of the curing process to a maximum of 14 days.

Ref.-No.	Description	Qty
515 9224	HR SOLUTION, free of CFC and aromatic compounds, 650 g tin	10
515 9231	HR SOLUTION, free of CFC and aromatic compounds, 4 kg can	1
515 3024	HR SOLUTION, sprayable, 1 kg tin	10
515 3062	HR SOLUTION, sprayable, 6 kg can	1

■ INNERLINER SEALER

- For sealing porous innerliners.
- For coating excessively buffed repair areas on the tyre inside.
- For sealing the edges of repair areas for autoclave-vulcanization.

Ref.-No.	Description
515 9028	INNERLINER SEALER, free of CFC and aromatic compounds, 175 g tin
515 9004	INNERLINER SEALER, free of CFC and aromatic compounds, 650 g tin
515 9011	INNERLINER SEALER, free of CFC and aromatic compounds, 4 kg can
515 9035	INNERLINER SEALER, free of CFC and aromatic compounds, sprayable, 3.5 kg can
515 9042	INNERLINER SEALER, free of CFC and aromatic compounds, sprayable, 7 kg can

Accessories:

595 8346	Can lid with brush holder
595 8353	Brush top



515 9224



515 9004

2



Repair Products for Tyres



517 3523, 517 3509

■ SV BLUE BONDING RUBBER

Self-vulcanizing cushion gum for the lamination of radial and cross-ply TIP TOP repair patches. Waiting time before putting the tyre back into operation in case of self-vulcanization: 48 hours, at a temperature of at least 18 °C (64 °F). Apply only with TIP TOP SPECIAL CEMENT BL/OTR.

Ref.-No.	Description
517 3523	SV BLUE BONDING RUBBER, 2 kg roll

Colour	blue
Dimensions, height x width x length (mm)	0.8 x 250 x 8000

Ref.-No.	Description
517 3509	SV BLUE BONDING RUBBER, 5 kg roll

Colour	blue
Dimensions, height x width x length (mm)	0.8 x 500 x 10000

■ Themopress MTR RUBBER

Uncured rubber compound for filling skives in all areas on the tyre. Good flowing and vulcanizing characteristics. Required vulcanizing temperature: at least 100 °C (212 °F). This rubber compound makes it possible to fill the whole skive with only one rubber quality. This means: easier application together with good adhesion to the tyre and strong resistance to dynamic stress. Maximum temperature for warming up MTR RUBBER 80 °C (176 °F). Use MTR RUBBER only with MTR SOLUTION.

Ref.-No.	Description
516 1243	MTR RUBBER cushion gum, approx. 0.5 kg

Dimensions, height x width x length (mm)	0.8 x 150 x 2500
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Ref.-No.	Description
516 1267	MTR RUBBER cushion gum, approx. 1 kg, 3 rolls

Dimensions, height x width x length (mm)	3.0 x 30 x 2600
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Ref.-No.	Description
516 1250	MTR RUBBER cushion gum, approx. 2.5 kg

Dimensions, height x width x length (mm)	1.2 x 250 x 7200
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Ref.-No.	Description
516 1274	MTR RUBBER cushion gum, approx. 5 kg

Dimensions, height x width x length (mm)	3.0 x 500 x 2600
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Ref.-No.	Description
516 1016	MTR RUBBER rope for extruder, approx. 5 kg

Diameter (mm)	8
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Ref.-No.	Description
516 1164	MTR RUBBER rope for extruder, approx. 12 kg

Diameter (mm)	8
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516 1164



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Repair Products for Tyres

■ MTR SUPER FINISH RUBBER

Uncured rubber compound for excellent surface finish particularly in the tyre sidewall area. Good flowing and vulcanizing characteristics. Required vulcanizing temperature: at least 100 °C (212 °F). Maximum temperature for warming up MTR SUPER FINISH RUBBER: 80 °C (176 °F). Use MTR SUPER FINISH RUBBER only with MTR SOLUTION.

Ref.-No.	Description
516 0976	MTR SUPER FINISH RUBBER, rope for extruder approx. 10 kg

Diameter (mm) 8

■ MTR-CR RUBBER

Uncured rubber for increased wear and cut resistance; required curing temperature; at least 100 °C (212 °F). The skive can be filled only with MTR-CR or together with MTR RUBBER. If working with two compounds, use the MTR-CR as a protector above the casing.

Ref.-No.	Description
516 1030	MTR-CR (CR = cut resistant), rope for extruder, approx. 10 kg

Diameter (mm) 8

■ Thermopress MTR cushion gum

Cushion gum for laminating TIP TOP repair patches prior to vulcanization in retreading systems/vulcanizing machines at an operating temperature of over 100 °C (212 °F). The good initial tack and the good ageing stability under thermal stress ensure improved adhesion, even if MTR RUBBER cushion gum is used in open steam autoclaves or during long curing times. Use MTR RUBBER cushion gum only with MTR SOLUTION!

Ref.-No.	Description
516 1009	MTR RUBBER cushion gum, approx. 5 kg

Dimensions, height x width x length (mm) 1.0 x 500 x 8000

■ MTR SOLUTION

Accelerator solution for coating the buffed tyre inside or the buffed skive surface or the bonding layer of TIP TOP repair patches prior to laminating with MTR RUBBER. MTR SOLUTION is adapted to MTR RUBBER with regard to its accelerator and adhesion system and can therefore be used at curing temperatures of at least 100 °C (212 °F).

Ref.-No.	Description
516 9207	MTR SOLUTION, free of CFC and aromatic compounds, 350 g tin with brush top
516 9214	MTR SOLUTION, free of CFC and aromatic compounds, 700 g tin
516 1212	MTR SOLUTION, 500 g tin with brush top
516 1054	MTR SOLUTION, 1000 g can
516 1061	MTR SOLUTION, 6 kg can



516 9207

516 9214

516 1054





Repair Products for Tyres



517 1006 - 517 1707



517 1972

2

■ Thermopress patch

Fast-curing Thermopress repair patches for repairing nail hole injuries to radial or cross-ply tyres on passenger cars. Have to be applied with MTR SOLUTION. Minimum curing temperature: 135 °C/275 °F, also suitable for the hot-vulcanization of tubes.

Ref.-No.	Description	Size (mm)	Units/Carton
517 1006	Thermopress repair patch No. 100	Ø 30	80
517 1020	Thermopress repair patch No. 102	Ø 37	50
517 1037	Thermopress repair patch No. 103	Ø 47	35
517 1707	Thermopress repair patch No. 170 (cross-ply)	Ø 70	20
517 1817	Thermopress repair patch No. 181 (radial)	65 x 55	20

Thermopress Repair Patch No.	Radial								Cross-ply
	Tread				Sidewall		Shoulder		
	T*	H*	V*	Z*	T*	H*	T*	H*	
100	2 mm	2 mm	–	–	–	–	–	–	2 mm
102	3 mm	3 mm	–	–	–	–	–	–	3 mm
103	5 mm	5 mm	–	–	–	–	–	–	5 mm
170	No repair				–	–	–	–	12 mm
181	12 mm	6 mm	3 mm	3 mm	12 mm	6 mm	6 mm	3 mm	–

* Speed rating

Repair charts valid at the time of printing. Observe the current repair chart and the safety instructions enclosed in the packs.

■ Heat resistant foil

This special foil is put between the repair area and the heating plate. It prevents the repair from sticking to the Thermopress heating plate.

Ref.-No.	Description	Size (mm)	Contents
517 1972	Heat resistant foil	approx. 160 x 75	1000 sheets
517 6977	Heat resistant gliding foil	approx. 500 x 300	10 sheets

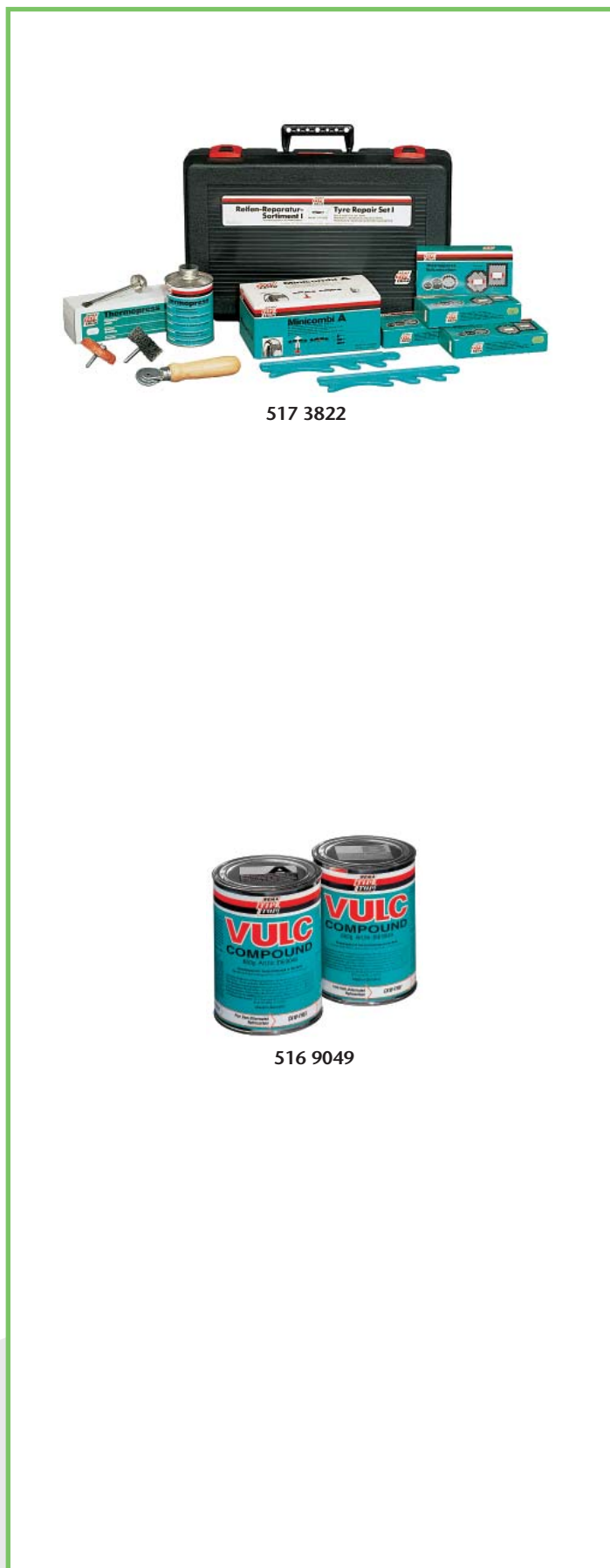


Repair Products for Tyres

■ Tyre repair set

Basis equipment with tools and repair materials for quick repairs to tyres.

Ref.-No.	Description
517 3822	Repair set box
Contents: (products can also be ordered individually)	
517 1006	Thermopress repair patch No. 100, Ø 30 mm, 80 pieces
517 1020	Thermopress repair patch No. 102, Ø 37 mm, 50 pieces
517 1037	Thermopress repair patch No. 103, Ø 47 mm, 35 pieces
517 1817	Thermopress repair patch No. 181, 65 x 55 mm, 20 pieces
516 1243	MTR RUBBER, 2500 x 150 x 0.8 mm, 1 piece
516 9207	MTR SOLUTION, 350 g can, 1 piece
511 3040	Workshop kit MINICOMBI A6, 1 piece
595 2971	Passenger car tyre spreader, 2 pieces
595 0076	Rotary wire brush, Ø 60 mm, 1 piece
595 4216	Dome rasp, Ø 65 mm, 1 piece
595 4034	Arbour, 3/8", 1 piece
596 1027	Special roller stitcher, 1 piece



517 3822

■ A + B VULC COMPOUND free of CFC and aromatic compounds

The components A + B have to be mixed in equal quantities to achieve vulcanization. For the repair of rubber damage to all tyres and for the filling of skives especially on tractor tyres. The cold vulcanizing mass is homogeneously bonded to the tyre. Application with SPECIAL CEMENT BL.

Ref.-No.	Description
516 9032	VULC COMPOUND, 300 g A/300 g B
516 9049	VULC COMPOUND, 650 g A/650 g B
516 9056	VULC COMPOUND, 3 kg A/3 kg B
516 9063	VULC COMPOUND, 6 kg A/6 kg B



516 9049



Repair Products for Tyres



517 7323



517 7330



517 9008



517 7402

■ T2 COMPOUND

For the repair of rubber damage to all tyres and conveyor belts without the need to use heating equipment. The solvent-free compound consisting of two components is mixed in the TIP TOP hand extruder at 60 °C (140 °F) and applied to the repair location that was treated earlier with the T2 SOLUTION. T2 COMPOUND offers high elasticity from the beginning of the application, quick vulcanization, constant technical features and good abrasion resistance. For the cleaning of the hand extruder, cleaning rubber can be used.

Ref.-No.	Description
517 7323	T2 COMPOUND A, rolls
517 7330	T2 COMPOUND B, rolls

<i>Weight (kg)</i>	2
<i>Dimensions, height x width x length (mm)</i>	3 x 20 x 5500
<i>Contents</i>	5 rolls

Ref.-No.	Description
517 7347	T2 COMPOUND A, rope for extruder
517 7354	T2 COMPOUND B, rope for extruder

<i>Weight (kg)</i>	5
<i>Diameter (mm)</i>	8

■ T2 SOLUTION

Ref.-No.	Description
517 7361	T2 SOLUTION A, 1 kg
517 7378	T2 SOLUTION B, 1 kg
517 9008	T2 SOLUTION A 4, free of CFC and aromatic compounds, 700 g
517 9015	T2 SOLUTION B 4, free of CFC and aromatic compounds, 700 g
595 8597	Plastic measuring cup for mixing T2 SOLUTION

■ Cleaning rubber

Ref.-No.	Description
517 7402	Cleaning rubber, rolls

<i>Weight (kg)</i>	1
<i>Dimensions, height x width x length (mm)</i>	3 x 20 x 5500
<i>Contents</i>	5 rolls

Ref.-No.	Description
517 7419	Cleaning rubber, rope for extruder

<i>Weight (kg)</i>	5
<i>Diameter (mm)</i>	8



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Repair Products for Tyres



Do not hesitate to order our detailed brochures, repair instructions or other relevant documentation.

2

■ Documentation and instructions

Ref.-No.	Description	Language	System
583 0500	Video „Repairing for retreading“	German	PAL
583 0501	Video „Repairing for retreading“	English	PAL
583 0511	Video „Repairing for retreading“	English	NTSC
583 0541	OTR Presentation video	English	PAL
583 0561	OTR Presentation video	English	NTSC
583 0571	OTR Package	English	PAL
583 0581	OTR Package	English	NTSC
583 1071	Vulcstar Presentation video short version	English	PAL
583 1051	Vulcstar Presentation video short version	English	NTSC
583 1061	Vulcstar Presentation video long version	English	PAL
583 1081	Vulcstar Presentation video long version	English	NTSC
583 0711	CD „Repairing for retreading“ Part 1	English	
583 0721	CD „Repairing for retreading“ Part 2	English	
583 0681	CD „OTR-Presentation“	English	
583 0691	CD „OTR-Application“ Part 1	English	
583 0701	CD „OTR Application“ Part 2	English	
581 0080	Wall chart „PN“	multilingual	
581 2000	Wall chart „RAD 100“	multilingual	
581 0820	Wall chart „RAD 500“	multilingual	
581 0050	Working instructions for passenger car tyre repairs	multilingual	
581 0150	Working instructions for truck tyre repairs	multilingual	
581 0180	Working instructions for OTR tyre repairs	multilingual	
583 0170	Skin Protection Plan for the tyre service	German	
583 0180	Skin Protection Plan for garages	German	
583 1140	Skin Protection Plan for industrial use	German	



Vulcanizing Machines and Accessories

3



517 3815



517 7000



517 1525

■ Thermopress vulcanizing machines



Ref.-No.	Description
517 3815	Thermopress JUNIOR, 230 V, 600 W

For the economic repair of car tyres

- Repairs most of the nail holes in radial and in cross-ply car tyres within 30 - 50 minutes
- Repairs small rubber injuries and small tears in the fabric quickly and safely (perforations up to 12 mm in the tread area of SR and T-tyres)
- Low operating temperature of about 145 °C (293 °F), therefore no deformation of the tyre
- Automatic current cut-off
- Two electrically operated heating plates

Accessories:

517 3884	Table support clamp
517 3891	Support stand



Ref.-No.	Description
517 7000	Thermopress Duplex, 230 V, 600 W
517 7017	Thermopress Duplex, 155 V, 600 W

- Deluxe model for the economic repair of car, truck and agriculture tyres.
- Equipped with swivelling top heating plate for more convenience.
- Low operating temperature of about 145 °C (293 °F), therefore no deformation of the tyre
- Automatic current cut-off
- Can be moved on site
- Both pressure plates are heated up



Ref.-No.	Description
517 1525	Thermopress II ECONOMY, 230 V, 600 W
517 1532	Thermopress II ECONOMY, 115 V, 600 W

For the economic repair of radial and cross-ply truck, tractor tyres and small EM tyres up to 23.5" - 25", quick repair of rubber injuries and of tears in the fabric on sidewall, shoulder and tread (for factory tyres even between the lugs).

- Low operating temperature of about 145 °C (293 °F), therefore no deformation of the tyre
- Automatic current cut-off
- Can be moved on site
- Strong construction, designed for long service life
- Both pressure plates are heated up



STAHLGRUBER



Vulcanizing Machines and Accessories



Ref.-No.	Description
517 3530	Thermopress PNEUMATIC, adjustable

- Low operating temperature of about 145 °C (293 °F), therefore no deformation of the tyre
- Automatic current cut-off
- Can be moved on site
- Strong construction, designed for long service life
- Both pressure plates are heated up
- In conjunction with car adapter set 517 3028, this machine can also be used for the repair of all car tyres.

Operating pressure (bar) 6-10
Electric power supply (V, W) 230, 600



517 3530



Ref.-No.	Description
517 4027	Thermopress II DIGITAL

- Low operating temperature of about 145 °C (293 °F), therefore no deformation of the tyre
- Automatic current cut-off
- Can be moved on site
- Strong construction, designed for long service life
- Both pressure plates are heated up
- In conjunction with a car adapter set 517 3028 this machine can also be used for the repair of all car tyres
- A timer controls the curing time
- Indicator lamps for all important machine functions
- The machine is opened automatically at the end of the previously set curing time.

Electric power supply (V, W) 230, 600



517 4027

Vulcanizing Machines and Accessories



3



517 3578



517 3028



517 1161



517 3853



517 1958



517 7165

■ Thermopress accessories

Ref.-No.	Description
517 3578	Spare heating plate

Electric power supply (V, W) 230, 300
suitable for ECONOMY, PNEUMATIC



Ref.-No.	Description
517 3028	Car adapter set

For the repair of passenger car tyres, usable for TP II, PNEUMATIC and ECONOMY.

Ref.-No.	Description
517 1161	Valve heating plate

suitable for JUNIOR, ECONOMY, PNEUMATIC

Ref.-No.	Description
517 1941	Kit of pads with 2 aluminium contour plates and 2 pads

suitable for ECONOMY



Ref.-No.	Description
517 3853	Equalising pad

Dimensions, length x width (mm) 110 x 110
Design small
suitable for JUNIOR, ECONOMY, PNEUMATIC



Ref.-No.	Description
517 1965	Equalising pad

Dimensions, length x width (mm) 260 x 100
suitable for ECONOMY, PNEUMATIC



Ref.-No.	Description
517 1989	Equalising pad

Dimensions, length x width (mm) 210 x 150
suitable for ECONOMY, PNEUMATIC



Ref.-No.	Description
517 2438	Equalising pad

Dimensions, length x width (mm) 180 x 130
suitable for ECONOMY, PNEUMATIC

Ref.-No.	Description
517 1958	Aluminium contour plate

Dimensions, length x width (mm) 210 x 140
suitable for ECONOMY, PNEUMATIC



Ref.-No.	Description
517 7165	Lower heating plate (made of rubber)

suitable for ECONOMY, PNEUMATIC



STAHLGRUBER



Vulcanizing Machines and Accessories



Ref.-No.	Description
517 7172	Lower heating plate (made of rubber)

suitable for ECONOMY, PNEUMATIC

■ Aluminium pressure plates

For further use of the Thermopress vulcanizing machines, for faster repairing and for repairs which are not covered by the standard equipment. The heat is distributed evenly thanks to the thermal conductivity of aluminium.

Ref.-No.	Description
517 3327	Pressure plate for sidewall repair

Dimensions, length x width (mm) 210 x 140
suitable for ECONOMY, PNEUMATIC
Field of application: Truck tyre tread inside

Ref.-No.	Description
517 3334	Pressure plate for sidewall repair

suitable for ECONOMY, PNEUMATIC
if the car adapter set is used
Field of application sidewall repair on low section car tyres

Ref.-No.	Description
517 4003	Pressure plate for sidewall repair

Dimensions, length x width (mm) 210 x 115
suitable for ECONOMY, PNEUMATIC
Field of application: Truck tyre tread inside
For: 70-Series

Ref.-No.	Description
517 3365	Pressure plate for tread repair

Dimensions, length x width (mm) 200 x 130
suitable for ECONOMY, PNEUMATIC
Field of application: Truck tyre tread inside, EM, agricultural tyre tread inside

Ref.-No.	Description
517 3310	Pressure plate flat

Dimensions, length x width (mm) 230 x 150
suitable for ECONOMY, PNEUMATIC
Field of application: EM, agricultural tyre tread outside

Ref.-No.	Description
517 3963	Pressure plate

Dimensions, length x width (mm) 230 x 150
suitable for ECONOMY, PNEUMATIC



517 7172



517 3327



517 3334



517 4003



517 3310



517 3963

Vulcanizing Machines and Accessories



517 3970



517 3255



517 3035



517 4900



517 4900



517 1130

Ref.-No.	Description
517 3970	Pressure plate

Use only together with Ref.-No. 517 3963

<i>Dimensions, length x width (mm)</i>	230 x 150
<i>suitable for</i>	ECONOMY, PNEUMATIC
<i>Field of application:</i>	Truck tyre tread outside Truck-shoulder

Ref.-No.	Description
517 3987	Pressure plate

<i>Dimensions, length x width (mm)</i>	210 x 140
<i>suitable for</i>	ECONOMY, PNEUMATIC
<i>Field of application:</i>	Truck tyre tread inside, Truck-shoulder



Ref.-No.	Description
517 3255	Rubber pre-heating plate

Even thicker rubber sheets can be easily applied, if pre-heated.

<i>Dimensions, length x width (mm)</i>	500 x 200
<i>Electric power supply (V, W)</i>	230, 160



Ref.-No.	Description
517 3035	Thermopress balancer

Makes your work easy and effective. The carrying force can be set from 22 to 32 kg by means of a worm gear. Observe the safety regulations for suspended loads.

<i>Rope length, max. (m)</i>	2
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Accessories:

517 3042	Suspension device for balancer
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Ref.-No.	Description
517 3884	Table support clamp

For: JUNIOR

Ref.-No.	Description
517 1130	Support stands

For: JUNIOR, ECONOMY, PNEUMATIC



Ref.-No.	Description
517 3891	Support stands

For: JUNIOR, ECONOMY, PNEUMATIC



Ref.-No.	Description
517 4900	TP II SHUTTLE

Mobile support for all Thermopress II, ECONOMY and PNEUMATIC machines, makes it much easier to position light truck, truck, agricultural and EM tyres for repairs to the sidewall, shoulder or tread; vertically adjustable, swivelling device, 4 castors (2 with integrated stop), spacious tool tray.

<i>Dimensions, width x depth x height (mm)</i>	760 x 700 x 1230
<i>Weight (kg)</i>	approx. 60



STAHLGRUBER



Vulcanizing Machines and Accessories

■ Bead vulcanizing clamp



Ref.-No.	Description
517 4144	Bead vulcanizing clamp 14"

Bead vulcanizing clamp for passenger car tyres 13", 14" and 15" including traverse bar and switch-unit.

<i>Electric power supply (V, W)</i>	230, 650
<i>Curing temperature control</i>	Thermostat
<i>Curing time control</i>	Adjustable time-switch
<i>Curing temperature (°C)</i>	approx. 145



517 4144

■ Bead vulcanizing machine

Ref.-No.	Description
517 4388	Basic bead vulcanizing machine

Bead vulcanizing device, also suitable for curing large repairs in one operation, complete remoulding of the bead area (pressure area from the bead toe/inner liner to the rim line)

<i>Operating pressure (bar)</i>	5
<i>Dimensions, width x depth x height (mm)</i>	1120 x 1000 x 980
<i>Curing temperature control</i>	Thermostat
<i>Curing time control</i>	Adjustable time-switch
<i>Curing temperature (°C)</i>	approx. 150
<i>Weight (kg)</i>	approx. 350
<i>Design</i>	without electrical control box; without clamping plate

Accessories:

557 1390	Clamping plate big
557 1400	Clamping plate small
558 8912	Electrical control box
558 8936	Set of rings, DIGITAL 17.5"
558 8943	Set of rings, DIGITAL 19.5"
558 8950	Set of rings, DIGITAL 20"
558 8967	Set of rings, DIGITAL 22.5"



517 4388



Vulcanizing Machines and Accessories



585 3001



585 3001

■ VULCSTAR vulcanizing machines

Universal vulcanizing machine VULCSTAR for light truck, truck and tractor (agricultural) tyres. With this new vulcanizing machine, you can carry out repairs according to the one-stage system (repair patch and skive filling cured in one operation) in the tread, shoulder and sidewall areas of light truck, truck and agricultural tyres with any tread pattern or tyre profile. The use of flexible pressure granules makes it very easy to adapt the machine to suit every tyre contour. Features: easy handling, small number of structural parts, energy-saving, no tyre distortion during the curing process, little finishing work even for the repair of tread lugs. Can be adapted to 115 V. For maximum tyre width 700 mm .



Art.-Nr.	Bezeichnung
585 3001	VULCSTAR

<i>Voltage (V)</i>	230
<i>Dimensions, width x depth x height (mm)</i>	1600 x 1000 x 1100
<i>Operating Voltage (V)</i>	heating element for pressure granules: 2.2 kW/230 Volt, Inner heating mat max: 0.3 kW/230 Volt
<i>Operating temperature</i>	Inner heating mat: 130 °C+/- 10 °C, Heating element for pressure granules: 190 °C+/- 10 °C
<i>Operating Pressure (bar)</i>	AIRPOWERBAG II und IV: 3.0 bar, AIRPOWERBAG VI: 2.5 bar
<i>Vibrator</i>	pressure regulating flow control valve

Contents:

517 6946	AIRPOWERBAG II
517 6939	AIRPOWERBAG IV
585 3049	Heating mat for pressure granules with control system
585 3056	Pressure block L1 (for tread repairs)
585 3063	Pressure block L2 (for tread repairs)
585 3070	Pressure block L3 (for tread repairs)
585 3087	Pressure block S1 (Sidewall)
585 3094	Pressure block S2 (Sidewall)
585 3111	Counter-pressure plate GD1
585 3128	Counter-pressure plate GD2
585 7825	Tubular socket wrench
585 3142	Sidewall pressure clamp
585 3032	Pressure granules 12 x 25 kg
540 0052	Set of 4 rubber pads
---	Rubber mats

Optional accessories:

517 6757	AIRPOWERBAG VI
585 3018	Inner heating mat II
585 3025	Inner heating mat IV
585 3104	Pressure block S3 (sidewall)
585 3135	Pressure block AS1 for agricultural tyres
585 1807	Pneumatic wrench
585 3159	MEDIUM tyre support


STAHLGRUBER



Vulcanizing Machines and Accessories

■ Thermopress vulcanizing machines



Ref.-No.	Description
517 7701	Thermopress EM I

Hot vulcanizing machine for repairing injuries to the tread, shoulder or sidewall of radial and cross-ply tyres on trucks, tractors and earthmovers (EM tyres up to 33.25-35), with the use of TIP TOP repair patches. Its strong construction provides easy maintenance and a long service life. With an integrated tilting and swivelling mechanism, the machine can be adapted to suit every repair position. Integrated: electronic temperature controller with display. Incl. heating plates No. 1 and No. 2.

Pressure system	<i>pneumatic</i>
Voltage (V)	<i>230</i>
Operating pressure (bar)	<i>4-8</i>
Pressing power (t)	<i>approx. 3</i>
Curing temperature (°C)	<i>approx. 150</i>

Accessories:

517 3554	Thermopress EM tyre repair stand with hand crank, manual
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■ EM heating plates

Ref.-No.	Description
517 6001	EM heating plate No. 1, approx. 230 x 230 mm
517 6025	EM heating plate No. 2, approx. 330 x 330 mm
517 6032	EM heating plate No. 3, approx. 430 x 430 mm
517 6252	EM heating plate No. 4, approx. 530 x 530 mm

Accessories:

517 5253	Extension cable for heating plates
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517 7701



Vulcanizing Machines and Accessories

3



517 5002



517 4993

■ Thermopress vulcanizing machines



Ref.-No.	Description
517 5002	Thermopress EM II

Hot vulcanizing machine for repairing injuries to the tread, sidewall and shoulder of radial and cross-ply EM (OTR) and agricultural tyres up to the size 30.00-51 with the use of TIP TOP repair materials; completely mobile, Thermopress EM II can be moved anywhere in the shop or to any job site. Electronic temperature controllers with digital display of actual and desired temperature. Incl. heating plates No. 2 and No. 3.

Pressure system	<i>electrohydraulic</i>
Voltage (V)	230
Operating pressure (bar)	160
Curing temperature (°C)	<i>approx. 150</i>



Ref.-No.	Description
517 4993	Thermopress EM II PLUS

Hot vulcanizing machine for repairing injuries to the tread, sidewall and shoulder of radial and cross-ply EM (OTR) and agricultural tyres up to the size 67.5/60-51 with the use of TIP TOP repair materials; completely mobile, Thermopress EM II PLUS can be moved anywhere in the shop or to any job site. Electronic temperature controllers with digital display of actual and desired temperature. Incl. heating plates No. 3 and No. 4.

Pressure system	<i>electrohydraulic</i>
Voltage (V)	230
Operating pressure (bar)	160
Curing temperature (°C)	<i>approx. 150</i>



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Vulcanizing Machines and Accessories

■ Thermopress EM vulcanizing machines



Ref.-No.	Description
517 7804	Thermopress EM III

The largest hot vulcanizing machine of the Thermopress EM series, designed for the repair of the currently biggest EM tyres in the world: suitable for all radial and cross-ply EM-tyres from 30.00-51 to 67.5/60-51 and 54.00 R 69. The completely moveable Thermopress EM III requires no permanent mounting. High-tech digital instrumentation and electronics ensure the right pressure, temperature and cure time. Incl. heating plates No. 3 and No. 4. Can also be connected to 230 V

<i>Pressure system</i>	<i>electrohydraulic</i>
<i>Voltage (V)</i>	<i>380 V/3 phases/60 Hz</i>
<i>Operating pressure (bar)</i>	<i>180</i>
<i>Curing temperature (°C)</i>	<i>approx. 150</i>



517 7804

■ EM repair stand

For easy handling of EM tyres during the repair-process. The tyre can be more quickly positioned in the EM machine. The safety at work is improved.



Ref.-No.	Description
517 7811	Hydraulic Thermopress EM tyre repair stand

Designed for the handling of OTR/EM tyres from 33.25 R 35 up to 48/95 R 57. Lifting of the tyre by a powerful hydraulic system. Electrically driven roller bars.

<i>Lifting power (kg)</i>	<i>4500</i>
<i>Tyre size, max. (inches)</i>	<i>from 33.25 R 35 up to 48/95 R 57</i>
<i>Weight (kg)</i>	<i>650</i>
<i>Voltage (V)</i>	<i>380</i>



517 7811



Vulcanizing Machines and Accessories

3



517 3554



517 4254

■ EM repair stand



Ref.-No.	Description
517 3554	EM tyre repair stand with hand crank, manual

Designed for easy handling of EM tyres. Specially geared hand crank adjusts the working height of the tyre, while the roller bars allow easy rotation of even the largest tyre, providing total access from either side of the tyre. As the tyre hangs on the roller bars, the risk of bead area damage is eliminated and the tyre is not distorted, enabling the correct and reliable application of the repair unit - is built on high impact castors for convenient movement throughout the shop.

<i>Tyre size, max. (inches)</i>	29.5-29
<i>Lifting power (kg)</i>	approx. 800



Ref.-No.	Description
517 4254	Thermopress EM tyre repair stand with electric engine

<i>Tyre size, max. (inches)</i>	29.5-29
<i>Lifting power (kg)</i>	approx. 800
<i>Voltage (V)</i>	230



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Vulcanizing Machines and Accessories

■ TIP TOP Profi workplace

Ref.-No.	Description
517 4508	Work Bench Profi

The ideal work bench for the tyre specialist, which makes it easy for you to keep your things tidy; saves you from wasting your time by unnecessarily searching for your tools.

- Lighting
- Zinc plate
- 4 shelves
- 2 tool holding devices
- Multiple electrical socket with ON/OFF switch.

Solid workshop equipment for the professional repair specialist, complete with illumination, tin plate, 4 shelves, 2 tool-hanging systems.

Dimensions, width x depth x height (mm) 1500 x 750 x 2200

Accessories:

517 3994	Tool tray
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■ Cabinet for repair patches and materials

Ref.-No.	Description
517 4546	Cabinet for repair patches and materials

For storing patches, tools etc., completes the Work Bench Profi.

Dimensions, width x depth x height (mm) 950 x 400 x 1800

Design Lockable, 4 shelves

■ Truck tyre handling table

Ref.-No.	Description
517 1051	Tyre handling table

Optimum working conditions for professional truck tyre repairs.



517 4508*



517 4546*



517 1051

*Machines and repair material not included

Vulcanizing Machines and Accessories



517 7505



517 7512



517 7536



517 4931



517 4948

■ Extruder TT

For quick and easy filling when repairing or retreading light truck, truck, EM/OTR tyres. The extruders can be used for cushion gum and tread stock qualities.

Series RETREAD I

The classic line: the blue profi-extruders for the retreader, pneumatic drive: type Bosch.

Ref.-No.	Description
517 7505	TIP TOP Extruder NORMAL

<i>Electric power supply (V, W)</i>	230, 550
<i>Quantity processed (kg/h)</i>	18
<i>Operating pressure (bar)</i>	5-8
<i>Pressure system</i>	pneumatic

Ref.-No.	Description
517 7512	TIP TOP Extruder GIANT

<i>Electric power supply (V, W)</i>	230, 550
<i>Quantity processed (kg/h)</i>	24
<i>Operating pressure (bar)</i>	5-8
<i>Pressure system</i>	pneumatic

Ref.-No.	Description
517 7536	TIP TOP Extruder TUBELESS

<i>Electric power supply (V, W)</i>	230, 400
<i>Quantity processed (kg/h)</i>	6
<i>Operating pressure (bar)</i>	5-8
<i>Pressure system</i>	pneumatic

Series RETREAD II

The innovative product line: the black extruders, a new generation of extruders born from a combination of well proven components, a tool for tomorrow's tyre specialists, pneumatic drive: type TT Pneu Gun.

Ref.-No.	Description
517 4931	TIP TOP Extruder NORMAL

<i>Electric power supply (V, W)</i>	230, 550
<i>Quantity processed (kg/h)</i>	18
<i>Operating pressure (bar)</i>	5-8
<i>Pressure system</i>	pneumatic

Ref.-No.	Description
517 4948	TIP TOP Extruder GIANT

<i>Electric power supply (V, W)</i>	230, 550
<i>Quantity processed (kg/h)</i>	24
<i>Operating pressure (bar)</i>	5-8
<i>Pressure system</i>	pneumatic



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Vulcanizing Machines and Accessories

SERVICE Series

New from TIP TOP, the all-purpose extruders, for users who place special emphasis on efficiency in their vulcanizing workshops / tyre repair shops.

Ref.-No.	Description
517 4955	TIP TOP Extruder SERVICE

<i>Electric power supply (V, W)</i>	230, 400
<i>Quantity processed (kg/h)</i>	15
<i>Operating pressure (bar)</i>	5-8
<i>Pressure system</i>	pneumatic

Ref.-No.	Description
517 7608	TIP TOP Extruder Truck

<i>Electric power supply (V, W)</i>	230, 400
<i>Quantity processed (kg/h)</i>	6
<i>Operating pressure (bar)</i>	5-8
<i>Pressure system</i>	pneumatic

Ref.-No.	Description
517 7529	TIP TOP Extruder GIANT ELEKTRO

<i>Electric power supply (V, W)</i>	230, 1200
<i>Quantity processed (kg/h)</i>	30
<i>Pressure system</i>	electrohydraulic

TIP TOP COMPOUND MASTER

Ref.-No.	Description
517 7550	TIP TOP COMPOUND MASTER

The effective hand extruder for the easy processing of unvulcanized T2 COMPOUND in workshops or on site

- Sturdy A.C. drive unit
- Shoulder strap
- Self-cooling, aluminium housing for extruder worm
- Safe material supply thanks to large feeding hopper
- Extruder worm specifically designed for the application of T2 COMPOUND
- Homogeneous mixture ensured by integrated mixing chamber
- Quickly exchangeable jet moulding nozzle to shape the extruded material

<i>Weight (kg)</i>	7.5
<i>Electric power supply (V, W)</i>	230 , 1600
<i>Quantity processed (kg/h)</i>	24



517 4955



517 7608



517 7529



517 7550



Vulcanizing Machines and Accessories



517 3767, 517 3592



517 7402



519 0977



558 7195 - 558 7559

■ Accessories for Extruder TT

TIP TOP offers you an extensive range of practical accessories for optimum use of your extruders.

Ref.-No.	Description
517 3767	Support balancer
517 3592	Nozzle adapter set
517 3736	Console
557 6522	Set of spacers

Ref.-No.	Description
517 7402	Cleaning rubber, rolls

Weight (kg)	1
Dimensions, height x width x length (mm)	3 x 20 x 5500
Contents	5 rolls

Ref.-No.	Description
517 7646	Sleeve for handle

For: Nailhole extruder

■ Electric tyre marking

For the hot-marking of tyres.

Ref.-No.	Description
519 0977	Branding iron, 1 line

Dimensions, width x height (mm)	70 x 35
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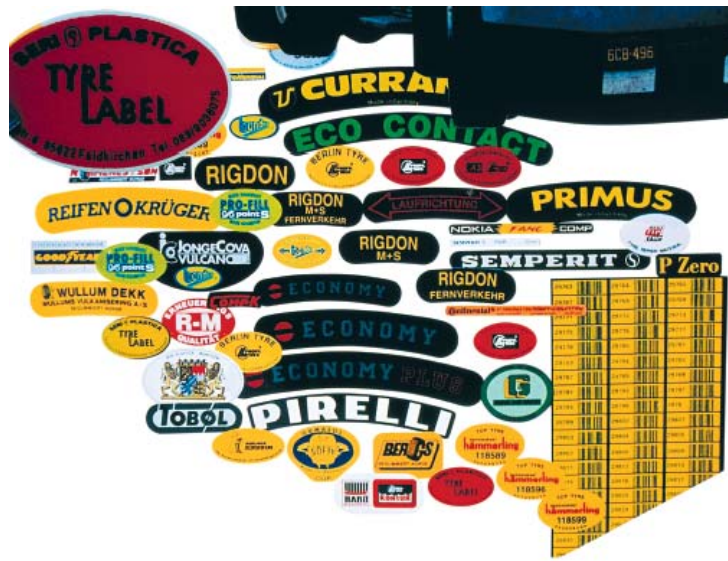
Accessories:

558 7195	A	558 7339	N
558 7205	B	558 7346	O
558 7212	C	558 7353	P
558 7229	D	558 7360	Q
558 7236	E	558 7377	R
558 7243	F	558 7384	S
558 7250	G	558 7391	T
558 7267	H	558 7401	U
558 7274	I	558 7418	V
558 7281	J	558 7425	W
558 7298	K	558 7432	X
558 7315	L	558 7449	Y
558 7322	M	558 7456	Z

558 7463	1	558 7511	6
558 7470	2	558 7528	7
558 7487	3	558 7535	8
558 7494	4	558 7542	9
558 7504	5	558 7559	0



Vulcanizing Machines and Accessories



3

■ Vulcanizing TYRE LABELS

The SVS TYRE LABELS can be applied directly to the tyre. The production and the application of the SVS Tyre Labels are state-of-the-art and comply with the highest quality standards (feather-edged shape of the labels). The labels are available in any size, with one-or two-colour print (corporate logo).

Ask for questionaries.

Ref.-No.	Description	Qty
558 9076	SVS TYRE LABELS	minimum order quantity of 1000 pcs

Collective reference numbers! Please specify the quantity, size and print required.

Ref.-No.	Description
558 9083	Bar-code labels

minimum quantity of 1000 pcs onwards; consecutive numbering, for the identification of tyres in the retreading process

Dimensions, length x width (mm) 50 x 14



Special Tools for Tyre Handling and regrooving



564 1017



564 1110



518 3719

■ RUBBER CUT

- Ergonomic design of the handle makes working easier
- Switch control with up to 8 positions, for high cutting intensity
- Automatic overheating cutout according to DIN 30600
- Insulated cutting head

Ref.-No.	Description
564 1017	RUBBER CUT 300, 220/240 V
564 1000	RUBBER CUT 300, 110 V

Inexpensive rubber regroover for cutting widths ranging from 3 to 28 mm. Integrated transformer with two step cutting capacity, automatic cut-off. Approved by the German Safety Council.

Ref.-No.	Description
564 1110	RUBBER CUT 400, 220/240 V
564 1103	RUBBER CUT 400, 110 V

Heavy-duty tool in plastic casing with glass fibre reinforcement. Separate transformer with thermal overload protection and automatic restart. Long service life thanks to a new electric switching system. Meets German safety regulations VDE 0551. Cutting width with FIX regrooving blades 3-28 mm; prepared for wall-mounting; lockable carrying handle; GS-tested generally recognized safety.

R Fix = round blade W Fix = wide blade

Accessories:	Description	Cutting Width	Cutting Depth
564 2803	R Fix 1	3 - 4 mm	7 mm
564 2810	R Fix 2	5 - 6 mm	8 mm
564 2827	R Fix 3	6 - 8 mm	10 mm
564 2834	R Fix 4	9-10 mm	14 mm
564 2841	R Fix 5	10 - 14 mm	16 mm
564 2858	W Fix 1	3 - 4 mm	7 mm
564 2865	W Fix 2	5 - 6 mm	8 mm
564 2872	W Fix 3	6 - 8 mm	10 mm
564 2889	W Fix 4	9 - 10 mm	14 mm
564 2896	W Fix 5	10 - 14 mm	16 mm
564 2906	W Fix 6	22 - 28 mm	16 mm
564 1020	gauge		
519 1653	tread depth gauge		
519 1828	digital tread depth gauge		

■ RUBBER CUT STATION

Equipment for the easy regrooving of truck tyres 17.5" - 24.5" One roller is equipped with a brake preventing accidental tyre rotation. Equipped with 2 castors, the RUBBER CUT STATION ECO can be moved around in the workshop. Continuous control of rotating speed; foot switch or manual control; working lamp; can be moved easily using a pallet truck.

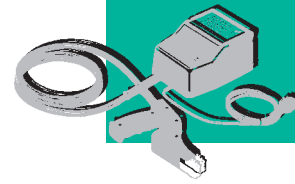
- The tyres can be regrooved, on or off their rims
- Does not take up much space
- Efficient regrooving; easy loading and unloading of the tyres
- Integrated gauge



Ref.-No.	Description
518 3719	RUBBER CUT STATION ECO

Weight (kg)	approx. 40
Dimensions, width x depth x height (mm)	1100 x 1100 x 1150
Tyre width, max. (mm)	500
Design	holding device and gauge


STAHLGRUBER



Special Tools for Tyre Handling and Regrooving

■ HOT CUTTER

Special thermal cutting tool for the quick and easy removal of inner liners or repair patches. Easier handling thanks to additional handle.

Ref.-No.	Description
564 1206	HOT CUTTER, 230 V
564 1213	HOT CUTTER, 110 V

Accessories:

564 1251 HOT CUTTER blade type 1 (10 units)

■ Tyre lift spreader

For preparing the repair and inspection of tractor, truck, EM and industrial tyres and for the changing of tubes and flaps as well as for similar work. Extremely low roll-on height (200 mm), spreader cylinder with hand-and-foot control. There is enough space for the feet to be safe from injury. Pneumatic system lifts the tyre to the desired working height. Pneumatically controlled opening of the spreader claws. The tyre lift spreader is designed for one-man operation.

Ref.-No.	Description
519 9150	Tyre lift spreader

<i>Dimensions, width x depth x height (mm)</i>	1150 x 780 x 900
<i>Lifting power at 15 bar (kg)</i>	approx. 300
<i>Lifting power at 12 bar (kg)</i>	approx. 200
<i>Weight (kg)</i>	45
<i>Control of operating pressure, max. (bar)</i>	10
<i>Tyre size, max. (inches)</i>	18R22.5
<i>Max. lifting height (mm)</i>	450

Ref.-No.	Description
519 9198	Tyre lift spreader SUPER

Same features as tyre lift spreader, plus integrated light, 12 V integrated transformer, ramp, compressed air conditioner.

<i>Dimensions, width x depth x height (mm)</i>	1150 x 780 x 900
<i>Lifting power at 15 bar (kg)</i>	approx. 300
<i>Lifting power at 12 bar (kg)</i>	approx. 200
<i>Weight (kg)</i>	45
<i>Control of operating pressure, max. (bar)</i>	10
<i>Tyre size, max. (inches)</i>	18R22.5
<i>Max. lifting height (mm)</i>	450

Accessories:

517 3994 Tool tray
519 9167 1 set of EM extensions



564 1206

519 9198

Special Tools for Tyre Handling and Regrooving



518 3506

595 2971

595 2988

517 0777, 517 0784

519 9222

517 6984

■ Tyre spreader REPMAT

For preparation for repair and inspection of car- and truck tyres; compact construction. The tyre is rolled into position over a detachable ramp. Ideal for passenger car tyres as well – very compact.

Ref.-No.	Description
518 3506	Tyre spreader REPMAT

<i>Dimensions, width x height (mm)</i>	500 x 800
<i>Operating pressure (bar)</i>	10
<i>Weight (kg)</i>	45
<i>Control of operating pressure</i>	hand lever
<i>Overall height (mm)</i>	700
<i>Working height (mm)</i>	510

■ Tyre spreaders

Tyre spreaders for preparing the inspection and repair of all kinds of passenger car and light truck tyres.

Ref.-No.	Description
517 0777	REP BOY

- Compact construction
- The tyre can be inspected and prepared inside and outside
- The tyre can be turned or inclined into any position, patented mechanism
- Comfortable working height
- Integrated trays for tools and materials
- Halogen lamp not included

Accessories:

517 0784	Base plate for REP BOY
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Ref.-No.	Description
595 2971	Car tyre spreader (2 pieces necessary)
595 2988	Tube tensioner/car tyre spreader



Ref.-No.	Description
519 8780	Mechanical tyre spreader truck

<i>Spreading range (mm)</i>	50-600
<i>Weight (kg)</i>	4.4
<i>Dimensions, width x depth x height (mm)</i>	770 x 200 x 90
<i>Design</i>	mechanical



Ref.-No.	Description
519 9222	Mechanical tyre spreader EM

<i>Spreading range (mm)</i>	100-530
<i>Weight (kg)</i>	7.5

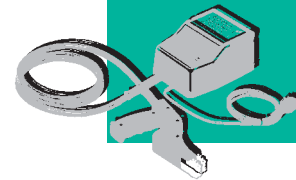


Ref.-No.	Description
517 6984	Pneumatic tyre spreader

<i>Operating pressure (bar)</i>	approx. 6-8
<i>Spreading range (mm)</i>	100-350
<i>Weight (kg)</i>	approx. 4.4



STAHLGRUBER



Special Tools for Tyre Handling and Regrooving

Ref.-No.	Description
517 6991	Spreader bars, truck

Spreading range (mm)	230-360
Weight (kg)	1.2

Ref.-No.	Description
595 3004	TIP TOP working light with holder

suitable for tyres of 5.5 - 18" in width

Voltage (V)	230
-------------	-----



Ref.-No.	Description
519 9181	Bead Spreader

Hydraulic bead spreader for EM tyres from 20" (rim diameter) onwards

Service pressure (bar)	6 - 8
Design	pneumatic and hydraulic
Weight (kg)	42
Capacity (t)	5.5
rim diameter (Inches)	20 - 57

Ref.-No.	Description
519 9239	Spreader bars, EM/OTR

Spreading range (mm)	340-550
Weight (kg)	6

Ref.-No.	Description
519 1512	Hydraulic pump for hand/foot operation

Ref.-No.	Description
519 1529	Pneumatic-hydraulic foot pump

Pressing force max. (bar)	500
---------------------------	-----

■ Tyre transport

For easily lifting and unloading whole stacks of tyres by means of a pick-up fork. Alternative: pneumatic or solid tyres

Ref.-No.	Description
518 2875	Tyre CADDY (without tyres)

Weight (kg)	17
Stack width (mm)	1500
Dimensions, width x depth x height (mm)	600 x 850 x 1530

Accessories.

518 2882	pneumatic tyres
518 2899	solids
518 2909	console



Special Tools for Tyre Handling and Regrooving



■ Bead breaker



Ref.-No.	Description
519 1598	Bead breaker (without pump)

This EM bead breaker is for all EM tyres on five-piece rims. Not damaging the beads, as the enormous force of max. 16000 kg (35270 pounds) is not applied to the tyre, but to the lateral rings. In general the beads are pressed off on vehicle; it is also possible to use the bead breaker on demounted wheels. For tyre sizes from 23" up to 45".

Weight (kg)	15
Working pressure (bar)	500

Ref.-No.	Description
519 1725	GIGANT I

OTR bead breaker from tyre size 23" up to 49".

Weight (kg)	30
Working pressure (bar)	500/700

Ref.-No.	Description
519 1677	GIGANT II

OTR bead breaker from tyre size 51" up to 63".

Weight (kg)	70
Working pressure (bar)	700

Accessories:

519 1684	Carrier for GIGANT II
519 1691	Pump for GIGANT I/II
558 6440	Counter-support 49", for GIGANT I
558 6457	Counter-support 51", for GIGANT II
558 6464	Counter-support 57", for GIGANT II
558 6749	Removing hook
558 6574	Adapter tube 700/500 bar



Ref.-No.	Description
519 1574	Bead breaker (without pump)

This handy and efficient bead breaker for agricultural tyres is suitable for the following tyres: Tyres on one-piece drop centre rims like tractors, unimog and pneumatic fork lift tyres, truck tyres on combi-ring rims and tubeless 14/80 R 20 (Pilote) tyres on four piece flat base rims, tubeless tractor, grader and EM tyres on three-piece semi drop centre rims with locking ring. No other tools are required to break the beads. Both beads are broken on vehicle. The special construction of this light-eight bead breaker (16 kg only) results in a bead breaking force of 5000 kg, which is sufficient for the most difficult and tight tyres.

■ Truck tyre lift

Ref.-No.	Description
517 1068	Electrical tyre lift

Mobile tool for safely stacking, transporting and storing truck tyres; automatic lifting system; length of cable 15 m.

Max. lifting height (mm)	1700
Lifting power (kg)	80
Dimensions, width x depth x height (mm)	650 x 800 x 2300
Weight (kg)	100
Voltage (V)	380



Special Tools for Tyre Repair and Retreading



■ Cylindric saw for steel cord tyres

Recommended RPM, max. 2000



Ref.-No.	Description	Field of Application	Arbour Type
511 1705	Cylindric saw 22 mm Ø	● ●	511 1736
511 1712	Cylindric saw 32 mm Ø	● ●	511 1743
511 1729	Cylindric saw 41 mm Ø	● ●	511 1743
511 1736	Arbour hexagone 22 mm		
511 1743	Arbour hexagone 32/41 mm		

■ Buffing rasps

Recommended RPM, max. 4500



Ref.-No.	Description	Bore Ø (inches)	Field of Application	Arbour Type
519 6139	Buffing rasp R 5, 45 mm Ø	1/2	● ●	519 6270 519 6641 519 6263
519 6146	Spacer R 5	1/2		
519 6249	Buffing rasp R 6, 76 mm Ø	1/2	● ●	519 6270 519 6641 519 6263
519 6256	Spacer R 6	1/2		

- Shaft for drill arbours
- Shaft for quickfit arbours
- Shaft for flexible shafts with MK-1 arbours



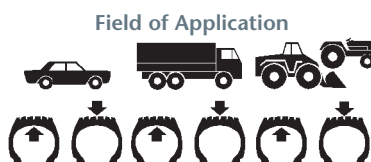


Special Tools for Tyre Repair and Retreading



■ HM mill cutters

For precise injury preparation on radial and cross-ply tyres. Effective cleaning of the injury. Special profile adapted to steel cord preparation, long service life.



Arbour Type



Ref.-No.	Description	Field of Application			Arbour Type	
Recommended RPM, max. 2500						
595 5019	4.5 mm Ø x 90 mm Blade length 50 mm, pointed	●	●		*F.S. 6 mm	519 6672
595 4962	6 mm Ø x 90 mm Blade length 50 mm, pointed	●	●	●	*F.S. 6 mm	519 6672
595 4948	8 mm Ø x 90 mm Blade length 50 mm, pointed		●	●	*F.S. 8 mm	519 6689
595 5060	10 mm Ø x 110 mm Blade length 60 mm, pointed		●	●	*F.S. 10 mm	519 6593
595 5040	12 mm Ø x 110 mm Blade length 60 mm, pointed		●	●	*F.S. 10 mm	519 6593
595 5033	17 mm Ø x 140 mm Blade length 60 mm, pointed		●	●	*F.S. 13 mm	
595 5026	22 mm Ø x 140 mm Blade length 60 mm, pointed		●	●	*F.S. 13 mm	
595 5002	9.5 mm Ø x 250 mm Blade length 60 mm, pointed for: EM-SEALASTIC - repairs with drill			●	*F.S. 10 mm	
Recommended RPM, max. 25000						
595 4900	3 mm Ø x 50 mm Blade length 25 mm, pointed	●	●		*F.S. 3 mm	519 6782
595 4924	6 mm Ø x 65 mm Blade length 25 mm, pointed		●	●	*F.S. 6 mm	519 6672
595 4931	6 mm Ø x 65 mm Blade length 25 mm, blunt		●	●	*F.S. 6 mm	519 6672
595 4955	Ballshaped carbide burr 20 mm Ø		●	●	*F.S. 6 mm	519 6672

*F.S. = Fixed Shaft





Special Tools for Tyre Repair and Retreading



■ Standard class chip cones

Recommended RPM, max. 4500



Wear Safety Goggles

Ref.-No.	Description	Threaded adapter (inches)	Field of Application						Arbour Type		
			Car	Truck	Tractor	Tractor	Tractor	Tractor	Drum	Spindle	Pin
595 0739	Cone rasp pointed, K 18, 25 mm Ø x 102 mm	3/8	●	●	●	●	●	●	●	●	●
595 0746	Cone rasp rounded, K 18, 20 mm Ø x 38 mm	3/8	●	●	●	●	●	●	●	●	●
595 8872	Cone rasp pointed K 18, 25 mm Ø		●	●	●	●	●	●	●	●	●
595 8982	Cone rasp pointed, K 36, 25 mm Ø x 102 mm	3/8	●	●	●	●	●	●	●	●	●

■ Standard class pencil buffers

Recommended RPM, max. 4500



Wear Safety Goggles

Ref.-No.	Description	Field of Application						Arbour Type		
		Car	Truck	Tractor	Tractor	Tractor	Tractor	Drum	Spindle	Pin
595 5057	K 36, 4/6 mm Ø x 65 mm	●	●	●	●	●	●	●	●	●
595 8913	K 46, 6 mm Ø x 102 mm	●	●	●	●	●	●	●	●	●
595 8896	K 36, 6 mm Ø x 105 mm	●	●	●	●	●	●	●	●	●
595 8906	K 18, 6 mm Ø x 105 mm	●	●	●	●	●	●	●	●	●
595 8951	K 36, 8 mm Ø x 170 mm	●	●	●	●	●	●	●	●	●
595 8968	K 18, 8 mm Ø x 170 mm	●	●	●	●	●	●	●	●	●

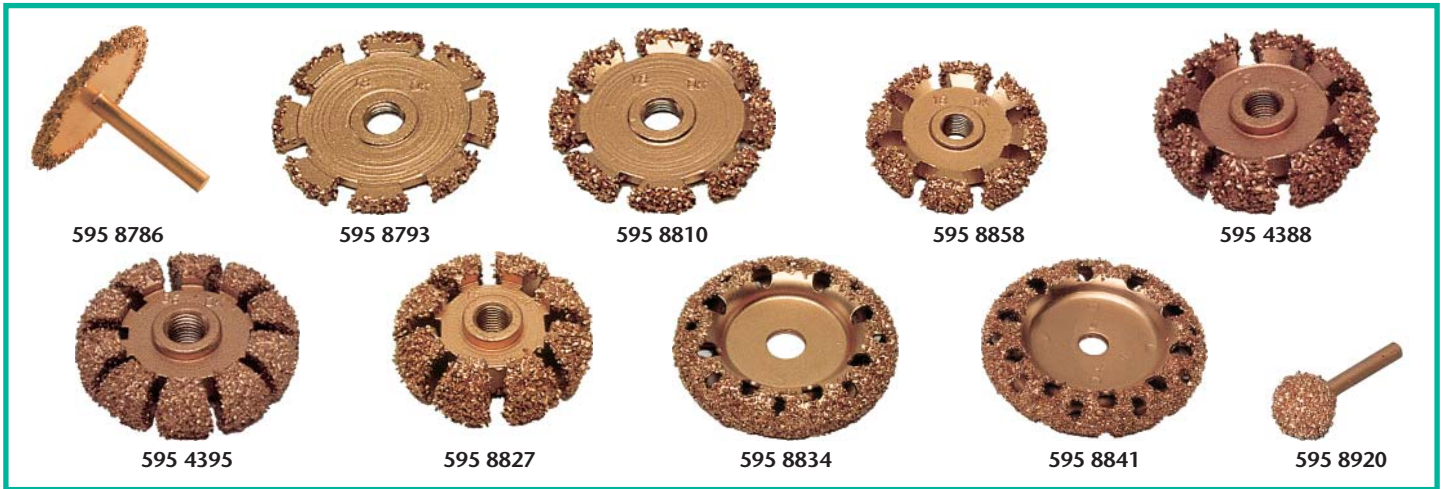
*F.S. = Fixed Shaft

please order special sizes, referring to the collective reference number 595 9974 and precisely specifying the dimensions required!





Special Tools for Tyre Repair and Retreading

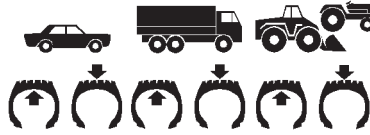


■ Standard class buffing wheels

copper carbide buffing tools
Recommended RPM, max. 4500



Field of Application



Arbour Type



Ref.-No.	Description	Threaded adapter (inches)	Car	Truck	Tractor	Fixed Shaft	Threaded Adapter	Tapered Shaft
595 8786	50 mm Ø x 3 mm, K 18		●	●	●	*F.S. 6 mm	519 6672	
595 8779	50 mm Ø x 3 mm, K 36		●	●	●	*F.S. 6 mm	519 6672	
595 8755	50 mm Ø x 3 mm, K 16	3/8	●	●	●	595 4034	519 6610	595 4027
595 8793	50 mm Ø x 3 mm, K 18	3/8	●	●	●	595 4034	519 6610	595 4027
595 8810	50 mm Ø x 5 mm, K 18	3/8	●	●	●	595 4034	519 6610	595 4027
595 8858	50 mm Ø x 10 mm, K 18	3/8	●	●	●	595 4034	519 6610	595 4027
595 4388	50 mm Ø x 13 mm, K 18	3/8	●	●	●	595 4034	519 6610	595 4027
595 4395	50 mm Ø x 13 mm, K 36	3/8	●	●	●	595 4034	519 6610	595 4027
595 8827	50 mm Ø x 19 mm, K 18	3/8	●	●	●	595 4034	519 6610	595 4027
595 8834	76 mm Ø x 19 mm, K 18, 14 mm bore		●	●	●	595 4261	519 6634	595 4285
595 8841	102 mm Ø x 19 mm, K 18, 14 mm bore		●	●	●	595 4261	519 6634	595 4285

F.S. = Fixed Shaft

■ Standard class chip ball

Recommended RPM, max. 4500



Field of Application



Arbour Type



Ref.-No.	Description	Fixed Shaft	Threaded Adapter
595 8920	K 18, 19 mm Ø	*F.S. 6 mm	519 6672

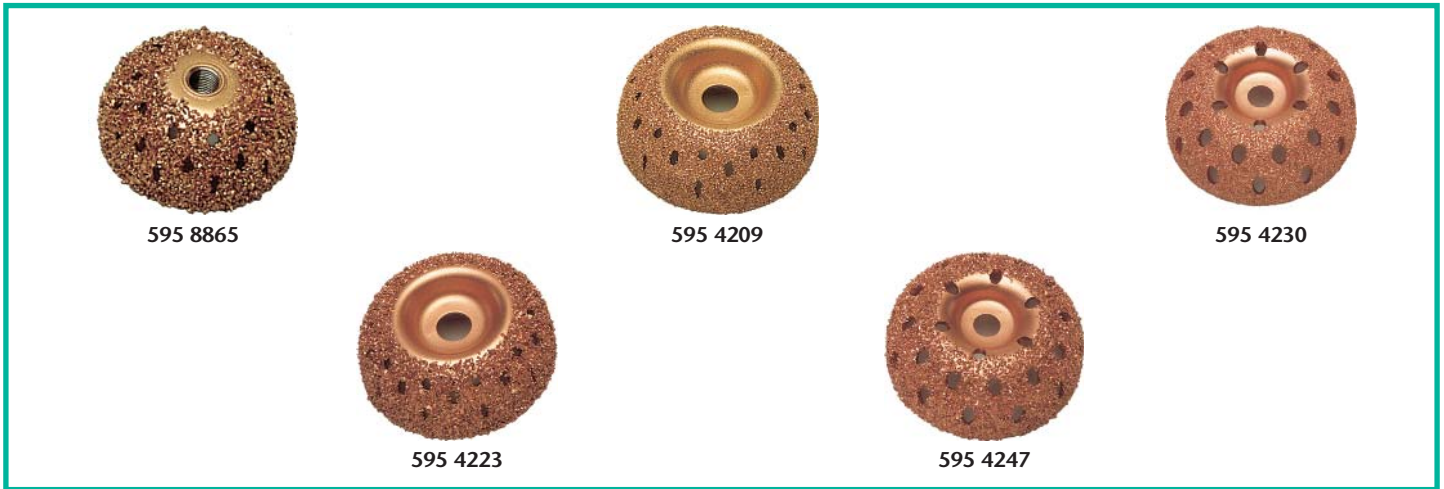
*F.S. = Fixed Shaft

please order special sizes, referring to the collective reference number 595 9974 and precisely specifying the dimensions required!





Special Tools for Tyre Repair and Retreading



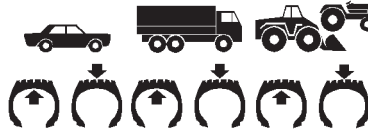
■ **Standard class dome rasps**

copper carbide buffing tools
Recommended RPM, max. 4500



Wear Safety Goggles

Field of Application



Arbour Type



Ref.-No.	Description	Field of Application						Arbour Type		
595 4216	65 mm Ø, K 36	●	●					595 4034		
595 8865	50 mm Ø, K 18 3/8" threaded adapter			●	●	●		595 4034	519 6610	595 4027
595 8975	50 mm Ø, K 36 3/8" threaded adapter			●	●			595 4034	519 6610	595 4027
595 4319	65 mm Ø, K 46 3/8" bore	●	●					595 4034	519 6627	
595 4223	76 mm Ø, K 18 14 mm bore				●	●		595 4261	519 6634	595 4285
595 4209	76 mm Ø, K 36 14 mm bore			●	●			595 4261	519 6634	595 4285
595 4247	102 mm Ø, K 18 14 mm bore				●	●		595 4261	519 6634	595 4285
595 4230	102 mm Ø, K 36 14 mm bore			●	●			595 4261	519 6634	595 4285

please order special sizes, referring to the collective reference number 595 9974 and precisely specifying the dimensions required!

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Special Tools for Tyre Repair and Retreading



■ TIP TOP class buffing wheels

copper carbide buffing tools
Recommended RPM, max. 4500



Ref.-No.	Description	Field of Application						Arbour Type		
		Car	Truck	Tractor	Tractor	Tractor	Tractor	Drum	Flange	Spindle
595 6001	50 mm Ø x 3 mm, K 18, 3/8" threaded adapter	●	●	●	●	●	●	●	●	●
595 6018	50 mm Ø x 5 mm, K 18 3/8" threaded adapter	●	●	●	●	●	●	●	●	●
595 6049	50 mm Ø x 10 mm, K 18 3/8" threaded adapter	●	●	●	●	●	●	●	●	●

5

■ TIP TOP class dome rasps

copper carbide buffing tools
Recommended RPM, max. 4500



Ref.-No.	Description	Field of Application						Arbour Type		
		Car	Truck	Tractor	Tractor	Tractor	Tractor	Drum	Flange	Spindle
595 6056	50 mm Ø, K 18, 3/8" threaded adapter	●	●	●	●	●	●	●	●	●
595 6087	76 mm Ø, K 18, 14 mm bore	●	●	●	●	●	●	●	●	●
595 6104	76 mm Ø, K 36, 14 mm bore	●	●	●	●	●	●	●	●	●
595 6111	102 mm Ø, K 18, 14 mm bore	●	●	●	●	●	●	●	●	●
595 6094	102 mm Ø, K 36, 14 mm bore	●	●	●	●	●	●	●	●	●

please order special sizes, referring to the collective reference number 595 9974 and precisely specifying the dimensions required!





Special Tools for Tyre Repair and Retreading



■ Silver class buffing wheels

Recommended RPM, max. 4500



Wear Safety Goggles

Ref.-No.	Description	Field of Application						Arbour Type		
		Car	Truck	Tractor	Tractor	Tractor	Tractor	Fixed Shaft	Fixed Shaft	Fixed Shaft
595 4340	37 mm Ø x 5 mm, K 18, wedge-shaped	●	●					*F.S: 6 mm	519 6672	
595 4728	50 mm Ø x 6 mm, K 18	●	●					595 4034	519 6610	595 4027
595 4694	50 mm Ø x 10 mm, K 18	●	●	●				595 4034	519 6610	595 4027

*F.S. = Fixed Shaft

please order special sizes, referring to the collective reference number 595 9974 and precisely specifying the dimension required!

■ Silver class buffing set

Recommended RPM, max. 4500



Wear Safety Goggles

Ref.-No.	Description	Field of Application						Arbour Type	
		Car	Truck	Tractor	Tractor	Tractor	Tractor	Fixed Shaft	Fixed Shaft
595 4711	1 cone rasp, K 60, 3 mm Ø x 25 mm 1 cone rasp, K 60, 6 mm Ø x 15 mm 1 chip rasp, K 60, 15 mm Ø x 3 mm 1 ball rasp, K 60, 10 mm Ø	●	●					*F.S. 3 mm	519 6782

*F.S. = Fixed Shaft

■ Silver class chip ball

Recommended RPM, max. 4500



Wear Safety Goggles

Ref.-No.	Description	Field of Application						Arbour Type	
		Car	Truck	Tractor	Tractor	Tractor	Tractor	Fixed Shaft	Fixed Shaft
595 4371	19 mm Ø, K 36	●	●					*F.S. 6 mm	519 6672

*F.S. = Fixed Shaft

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Special Tools for Tyre Repair and Retreading

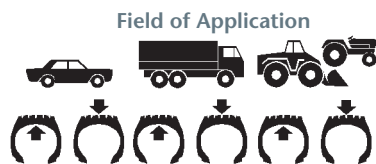


■ Silver class dome rasps

Recommended RPM, max. 4500



Wear Safety Goggles



Arbour Type



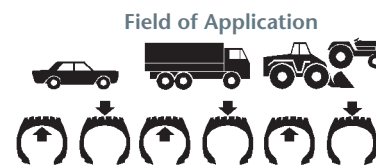
Ref.-No.	Description	Field of Application			Arbour Type		
595 4357	65 mm Ø, K36, 3/8" bore	●	●	595 4034	519 6610		
595 4364	Poly plug for 595 4357, 65 mm Ø, K 36, 3/8" bore	●	●	595 4034	519 6610		
595 4656	76 mm Ø, K 36, 14 mm bore	●	●	595 4261 , with poly plug 595 0533	519 6634 , with poly plug 519 6665	595 4285 , with poly plug not possible	
595 4663	Poly plug for 595 4656						
595 4632	44 mm Ø x 19 mm, K 36, 3/8" bore	●	●	595 4034	519 6610		
595 4670	102 mm Ø, K 36, 14 mm bore		●	595 4261	519 6634	595 4285	
595 4687	32 mm Ø x 18 mm, K 60, 3/8" bore	●	●	595 4034	519 6610	595 4027	
595 4735	32 mm Ø x 18 mm, K 36, 3/8" bore	●	●	595 4034	519 6610	595 4027	

■ Silver class chip cones

Recommended RPM, max. 4500



Wear Safety Goggles



Arbour Type



Ref.-No.	Description	Field of Application			Arbour Type		
595 4704	22 mm Ø x 50 mm, K 18, blunt	●	●	595 4034	519 6610	595 4027	



Special Tools for Tyre Repair and Retreading



■ Stones for textile preparation

Recommended RPM, max. 4500



Field of Application



Arbour Type



Ref.-No.	Description	Car	Truck	Tractor	Arbour Type 1	Arbour Type 2	Arbour Type 3
595 0117	60 mm Ø x 15 mm, cylindrical	●	●		595 0100	519 6672	
595 0588	90 mm Ø x 30 mm, cylindrical, 16 mm bore		●	●	595 0540	519 6689 + 595 0540	595 0502 + 595 0540
595 0595	90 mm Ø x 30 mm, rounded, 16 mm bore,		●	●	595 0540	519 6689 + 595 0540	595 0502 + 595 0540
595 0605	60 mm Ø, spherical, thread M 12		●	●	595 0557	519 6689 + 595 0557	595 0526 + 595 0557
595 0083	38 mm Ø, spherical	●	●		*F.S. 6 mm	519 6672	

*F.S. = Fixed Shaft



Special Tools for Tyre Repair and Retreading



■ Grinding tools for steel preparation



Wear Safety Goggles



Ref.-No.	Description	Field of Application			Arbour Type		
Recommended RPM, max. 9000							
595 0667	16 mm Ø x 7 mm, cylindrical, 16 mm bore	●	●	●	595 0674	595 0674 + 519 6689	595 0674 + 595 4278
595 0636	10 mm Ø x 10 mm, cylindrical, 16 mm bore	●	●	●	595 0674	595 0674 + 519 6689	595 0674 + 595 4278
595 4766	Cutting disk, 75 mm Ø x 5 mm, 6 mm bore	●	●	●	595 0674	595 0674 + 519 6689	595 0674 + 595 4278
Recommended RPM, max. 25000							
595 4773	Grinding stone, 16 mm Ø x 40 mm	●	●	●	●	*F.S. 6 mm	519 6672
595 0650	Cutting disk, 40 mm Ø x 10 mm	●	●	●	●	*F.S. 6 mm	519 6672
595 4780	Cutting disk, 25 mm Ø x 4 mm, blunt	●	●	●	●	*F.S. 6 mm	519 6672
595 4797	Cutting disk, 50 mm Ø x 10 mm			●	●	*F.S. 6 mm	519 6672
595 4412	Cutting disk 32 mm Ø x 6 mm	●	●	●	●	*F.S. 6 mm	519 6672
595 0629	Blunt cone stone, 20 mm Ø x 65 mm	●		●	●	*F.S. 6 mm	519 6672
595 4429	Pointed cone stone, 18 mm Ø x 32 mm	●		●	●	*F.S. 6 mm	519 6672
595 4405	Pencil stone, 7 mm Ø x 25 mm	●		●	●	*F.S. 6 mm	519 6672
595 0681	20 mm Ø, spherical	●	●	●	●	*F.S. 6 mm	519 6672

*F.S. = Fixed Shaft

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Special Tools for Tyre Repair and Retreading



■ Wire brushes

Recommended RPM, max. 2800



Field of Application



Arbour Type



Ref.-No.	Description	Car	Truck	Tractor	Tractor	Tractor	Tractor	Arbour Type 1	Arbour Type 2	Arbour Type 3
595 4522	50 mm Ø x 7 mm, cylindrical, plastic embedded, 3/8" bore	●	●					595 4034	519 6627	
595 4168	76 mm Ø x 7 mm cylindrical, plastic embedded, 14 mm bore			●	●			595 4261	519 6634	595 4285
595 4175	76 mm Ø x 20 mm, plastic embedded, 14 mm bore			●	●			595 0533	519 6665	595 4285
595 0722	55 mm Ø x 8 mm cylindrical, brass-coated steel wire	●	●	●	●	●	●	*F.S. 6 mm	519 6672	
595 0076	60 mm Ø x 20 mm	●	●	●	●	●	●	*F.S. 6 mm	519 6672	
595 0571	80 mm Ø x 25 mm, cylindrical, 16 mm bore			●	●			595 0540	519 6689	595 0502
595 0564	100 mm Ø x 25 mm, cylindrical, 16 mm bore			●	●			595 0540	519 6689	595 0502
595 4560	8 mm Ø x 25 mm	●	●					*F.S. 6 mm	519 6672	

*F.S. = Fixed Shaft





Special Tools for Tyre Repair and Retreading



595 5507



595 5552



820 1526

■ ES Finish buffer



Wear Safety Goggles

Field of Application



Arbour Type



Ref.-No. Description

Recommended RPM, max. 2800

595 5507	ES 45 Finish buffer kit 45 mm Ø x 30 mm, K 60	●	●	*F.S. 6 mm	519 6672
595 5521	Spare buffing band 45 mm Ø x 30 mm, K 40				
595 5514	Spare buffing band 45 mm Ø x 30 mm, K 60				
595 5552	ES 75 Finish buffer kit 75 mm Ø x 30 mm, K 60		●	●	*F.S. 8 mm 519 6689
595 5576	Spare buffing band 75 mm Ø x 30 mm, K 40				
595 5569	Spare buffing band 75 mm Ø x 30 mm, K 60				
Recommended RPM, max. 8000					
820 1526	Serrated grinder 60 mm Ø x 30 mm, K 80	●	●	*F.S. 6 mm	519 6672

*F.S. = Fixed Shaft

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Special Tools for Tyre Repair and Retreading

■ Shafts for chuck

Ref.-No.	Description
595 0100	Arbour
<i>suitable for Design</i>	<i>grinding disk 595 0117 with 6 mm shaft</i>
Ref.-No.	Description
595 3932	Arbour
<i>suitable for Design</i>	<i>buffing tools with 3/8" thread, 3/8" bore with 6 mm shaft</i>
Ref.-No.	Description
595 4034	Arbour
<i>suitable for Design</i>	<i>buffing tools with 3/8" thread, 3/8" bore with 8 mm shaft</i>
Ref.-No.	Description
595 4302	Arbour
<i>suitable for Design</i>	<i>gouge 595 4292 with 8 mm shaft</i>
Ref.-No.	Description
595 0533	Arbour
<i>suitable for Design</i>	<i>wire brush 595 4175, 595 4656 with 595 4663 with 8 mm shaft</i>
Ref.-No.	Description
595 0540	Arbour
<i>suitable for Design</i>	<i>wire brush 595 0571 + 595 0564, soft stones 595 0588 + 595 0595 with 8 mm shaft</i>
Ref.-No.	Description
595 0557	Arbour
<i>suitable for Design</i>	<i>cone rasp 595 0605 with 8 mm shaft</i>
Ref.-No.	Description
595 0674	Arbour
<i>suitable for Design</i>	<i>grinding disk 595 0667 with 8 mm shaft</i>
Ref.-No.	Description
595 4261	Arbour
<i>suitable for Design</i>	<i>buffing tools with 14 mm bore and max. 4 mm attachment with 8 mm shaft</i>
Ref.-No.	Description
519 6270	Arbour
<i>suitable for Design</i>	<i>buffing rasp sets R5 and R6 with 8 mm shaft</i>



595 0100



595 4034



595 4302



595 0533



595 0540



595 0557



595 0674



595 4261



519 6270



Special Tools for Tyre Repair and Retreading



■ Shafts for quick release coupling

Ref.-No.	Description
519 6603	Quick release coupling
<i>Design suitable for</i>	3/8"-24" Tool holder MK 1, 595 4010
Ref.-No.	Description
519 6782	Adapter NV 11
<i>Design suitable for</i>	3 mm bore mill cutters, 595 4900, 595 4917, buffing set 595 4711, 595 4890
Ref.-No.	Description
519 6672	Adapter NV 11
<i>Design suitable for</i>	6 mm bore all tools with 6 mm shaft
Ref.-No.	Description
519 6689	Adapter NV 11
<i>Design suitable for</i>	8 mm all tools with 8 mm shaft
Ref.-No.	Description
519 6593	Adapter NV 11
<i>Design suitable for</i>	10 mm bore carbide cutter, 595 4979
Ref.-No.	Description
519 6610	Adapter NV 11
<i>Design suitable for</i>	3/8"-24" buffing wheel and dome rasp Ø 50 mm „Standard“, TIP TOP and Silver Class cone rasp Ø 30 mm
Ref.-No.	Description
519 6627	Adapter NV 11
<i>Design suitable for</i>	3/8"-24L, 21 mm thread length gouge Ø 30 mm, buffing wheel Ø 50 x 3 mm
Ref.-No.	Description
519 6634	Adapter NV 11
<i>Design suitable for</i>	M14, 11 mm thread length dome rasps and buffing wheels with Ø 76 mm + Ø 102 mm, buffing disks 595 7938, 595 7945, wire brush 595 4168
Ref.-No.	Description
519 6641	Adapter NV 11
<i>Design suitable for</i>	R5, 16 mm buffing rasp R5/R6
Ref.-No.	Description
519 6665	Adapter NV 11
<i>Design suitable for</i>	M14, 16 mm wire brush 595 4175, dome rasp 595 4656 with poly plug



Special Tools for Tyre Repair and Retreading

■ Arbours for MK 1

Ref.-No.	Description
595 0519	Mounting chuck
<i>suitable for Design</i>	<i>all tools with 6 mm shaft arbour 6 mm female collet type MK 1</i>
595 4278	Mounting chuck
<i>suitable for Design</i>	<i>all tools with 8 mm shaft arbour 8 mm female collet type MK 1</i>
595 4027	Arbour MK 1
<i>suitable for Design</i>	<i>buffing tools with 3/8" thread, 3/8" bore 3/8"</i>
595 0526	Arbour MK 1
<i>suitable for Design</i>	<i>ball rasp 595 0605 M 12</i>
595 0502	Arbour MK 1
<i>suitable for Design</i>	<i>wire brush 595 0571 + 595 0564, soft stones 595 0588 + 595 0595 16 mm</i>
595 4285	Arbour MK 1
<i>suitable for Design</i>	<i>all tools with 14 mm bore M 14</i>
519 6263	Arbour MK 1
<i>suitable for Design</i>	<i>buffing rasp sets R5 and R6 16 mm</i>
595 4010	Arbour MK 1
<i>suitable for Design</i>	<i>quick release coupling 3/8"</i>



595 0519



595 4278



595 4027



595 0526



595 0502



595 4285



519 6263



595 4010



Special Tools for Tyre Repair and Retreading



519 6809



595 7622



595 7639

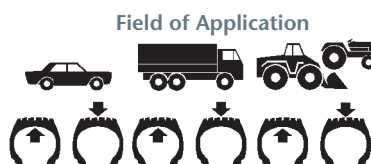


595 7646

■ Buffing disks for retreading

Please specify bore, Ø and keyway size.

For buffing excess rubber and joints.



Ref.-No.	Description			Contur
595 7660	1 set of hub flanges, necessary for sidewall buffing, keyway and arbour hole are manufactured as specified in your order, no goods exchanged!			
519 6414	130 mm Ø x 30 mm, K 18, 18 mm bore Lateral buffing/buffing machine e.g. Marangoni Bunny II (standard class)	●	●	∩
519 6809	160 mm Ø x 76 mm, Wire brush for sidewall buffing			∩
595 4041	230 mm Ø x 40 mm, cylindrical, 100 mm bore, type Bandag	●	●	∩
595 4199	230 mm Ø x 38 mm, cylindrical, 100 mm bore, type Matteuzzi	●	●	∩
595 7608	200 mm Ø x 38 mm, K 18, Lateral buffing/buffing machine e.g. Bandag		●	∩
595 7615	150 mm Ø x 38 mm, K 18, Lateral buffing/buffing machine e.g. RM 56, Bandag		●	∩
595 7622	150 mm Ø x 25 mm, K 18, Lateral buffing/buffing machine e.g. RM 56		●	∩
595 7639	152 mm Ø x 34 mm, K 18, Lateral buffing/buffing machine e.g. Collmann ZRM 66, RM 56	●	●	∩
595 7646	180 mm Ø x 34 mm, K 18, Lateral buffing/buffing machine e.g. Collmann ZRM 66/86/90	●	●	∩

5





Special Tools for Tyre Repair and Retreading



Wear Safety Goggles

Field of Application



Arbour Type

Ref.-No.	Description	Field of Application			Arbour Type		
595 7938	50 mm Ø x 25 mm, K 60, 14 mm bore	●	●	●	595 4261	519 6634	
595 7945	102 mm Ø x 38 mm, K 46		●	●		519 6634	595 4285

Rotary gouge

Recommended RPM, max. 4500



Wear Safety Goggles

Field of Application



Arbour Type

Ref.-No.	Description	bore (mm)	Field of Application			Arbour Type		
595 4292	Rotary gouge 50 mm Ø	12.4		●	●	595 4302 and 595 4302	519 6689 and 595 4278	595 4278
595 4326	3 Rotary gouges 30 mm Ø	9.5	●	●		595 4034	519 6627	
595 4481	Sharpening fixture							
595 4498	Replacement gridstones							

Grinding disks for angle grinders

Recommended RPM, max. 4500



Wear Safety Goggles

Field of Application



Ref.-No.	Description	Field of Application		
595 2531	125 mm Ø x 2 mm, K 18		●	
595 2548	125 mm Ø x 2 mm, K 23		●	
595 2555	175 mm Ø x 2 mm, K 18		●	
595 2562	175 mm Ø x 2 mm, K 18		●	





Special Tools for Tyre Repair and Retreading



585 0585



515 9073

■ Bead repair segment

Ref.-No.	Description
585 0585	Bead repair segment

Rubber repair segment to be placed between inner envelope and bead of the tyre.

Length (mm)	400
-------------	-----

■ Envelope release agent

Ref.-No.	Description
593 1033	Envelope release agent, 5 l metal can
593 0773	Envelope release agent, 10 l metal can

High quality envelope release agent, can be spread or sprayed.

- environmentally friendly
- economic usage
- effective and user-friendly

■ Mould release agent

High quality mould release agent, spreadable and sprayable, environmentally friendly, produced by our own high quality standards.

- economical
- effective and user friendly

Ref.-No.	Description
593 0656	Mould release agent 1 l
593 0663	Mould release agent 5 l
593 0670	Mould release agent 10 l

■ Envelope patch

Repair patches for repairing major injuries or for replacing damaged valves. EASY REPAIR GUM is used for the application of these patches, providing a durable bond to the envelope / the inner tube. Vulcanization takes place in a TIP TOP Thermopress machine or in the autoclave.

Ref.-No.	Description	Qty
517 6537	Envelope patch No. 3	30
517 6582	Envelope patch No. 7a	30
517 6609	Envelope patch No. 5	10

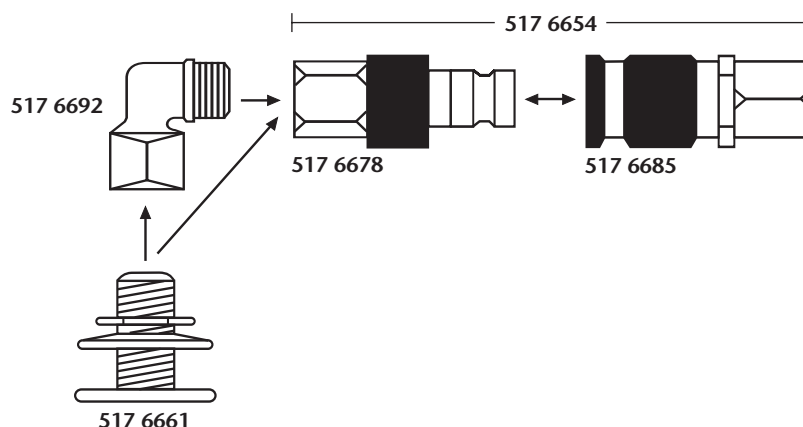
■ EASY REPAIR GUM

Quick repair to slightly injured envelopes fitted on tyres. Just apply the gum, and let it dry for a short time; then the tyre with the envelope on it can be put in the autoclave. Removing the envelope from the tyre is not necessary, as the repair area is cured within the retreading cycle.

Ref.-No.	Description
515 9073	EASY REPAIR GUM, free of CFC and aromatic compounds, 100 g tin



Special Tools for Tyre Repair and Retreading



■ TIP TOP envelope valves and exhaust coupling system

Accessories for all autoclave cold-retread systems.

Technical specification of envelope valve system:

- Constant temperature resistance up to 160 °C (320 °F)
- No damaging of connectors
- Reliable sealing by the connectors also after decoupling (that is vacuum or overpressure in the envelope is maintained check for leaks)
- With thread adapters usable for all envelopes types

Ref.-No.	Description
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517 6654	Envelope valve system
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<i>Design</i>	<i>complete, without 517 6692</i>
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Ref.-No.	Description
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517 6661	Envelope screw-on valve
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<i>Diameter (mm)</i>	<i>33 x 28</i>
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Ref.-No.	Description
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517 6678	Envelope sealing nipple
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517 6685	Envelope sealing coupling
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517 6692	Envelope elbow connector 90° bend
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517 6702	Envelope set of gaskets
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Ref.-No.	Description
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517 6719	Envelope thread adapter
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<i>Wrench size (mm)</i>	<i>16</i>
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<i>Design</i>	<i>7/16" - 1/4"</i>
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Ref.-No.	Description
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517 6726	Envelope thread adapter
----------	-------------------------

<i>Wrench size (mm)</i>	<i>19</i>
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<i>Design</i>	<i>VG12-1/4"</i>
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Ref.-No.	Description
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599 4252	Outer envelope valve VG12
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Ref.-No.	Description
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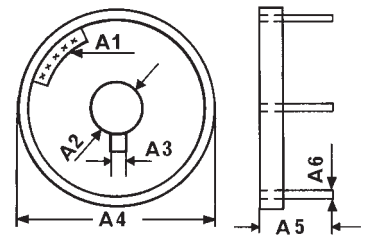
599 4269	Adapter nipple VG12/USA-System (Bandag)
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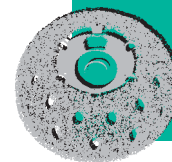
Special Tools for Tyre Repair and Retreading

Buffing rasp sectors and Ø without refills

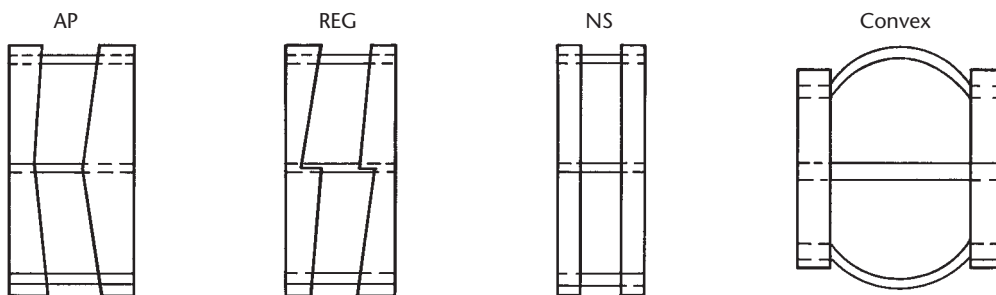
Diagram	Dimensions
	R 4 = 211 mm R 156 = 138 mm R 3 = 198 mm SATURN 2 = 211 mm
	R 115 = 273 mm R 105 = 251 mm SATURN 1 = 273 mm
	SATURN 3 = 273 mm



5



Special Tools for Tyre Repair and Retreading



Buffing rasp types

CONVEX buffing rasps (bent pins) are available e.g. for Collmann RM 75, RM 80, RM 83, Matteuzzi RAS 80 and 90 and Marangoni buffing machines. CONVEX are available in R4-AP, R115 REG and SATURN III-AP

■ Buffing rasps for retreading machines

Apart from rocket buffing rasps as listed below, customized rasps, pins and spacers are available.

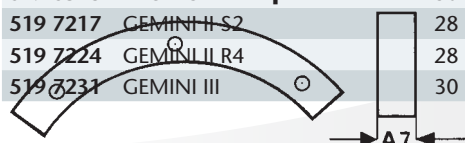
Please supply the following data by using the sketches to receive an appropriate offer:

1. Type of buffing rasps (e. g. R4-NS), to measure as A1
2. Arbour size (Ø to measure as A2)
3. Keyway size and number (width to measure as A3)
4. Rasp Ø without rocket refills (to measure as A4)
5. Length of pin (length of pin to measure as A5, Ø as A6)
6. Number, type and size of spacers (to measure as A7)
7. Type and number of refill (e. g. APOLLO II U)
8. Type of buffing machine (e. g. Collmann RM 56 N)



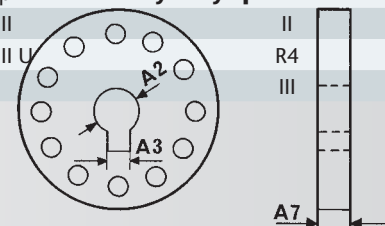
Wear Safety Goggles

Ref.-No.	Description	Contents	for bolt hole Ø (mm)	Design	Type
519 6098	SPECIAL JET	28	6	Teeth alternately offset in two directions	R3-25
519 6029	SPECIAL JET	28	6	Teeth alternately offset in two directions	R4-16
519 7327	SPECIAL JET	28	6	Teeth alternately offset in two directions	R4-20
519 6012	SPECIAL JET	28	6	Teeth alternately offset in two directions	R4-25
519 6067	SPECIAL JET	25	8	Teeth alternately offset in two directions	R115-16
519 7341	SPECIAL JET	25	8	Teeth alternately offset in two directions	R115-20
519 6201	SPECIAL JET	25	8	Teeth alternately offset in two directions	R115-25
519 6108	SPECIAL JET SATURN III	30	8	Teeth alternately offset in two directions	R156-17
519 7396	SUPER COOL	28	6	Teeth alternately offset in two directions	R4-20
519 6043	SUPER COOL	28	6	Teeth alternately offset in two directions	R4-25
519 6074	SUPER COOL	25	8	Teeth alternately offset in two directions	R115-20
519 6050	SUPER COOL	25	8	Teeth alternately offset in two directions	R115-25
519 5990	SUPER COOL SATURN III	30	8	Teeth alternately offset in two directions	S115-25
519 6311	APOLLO II	28	8	For SATURN buffing rasp	II
519 6483	APOLLO II U	28	6	Only for R 4 buffing rasp	R4
519 6328	Aluminium spacers	30	8	For SATURN buffing rasp	Heavy duty spacer
519 7217	GEMINI II S2	28	8	Alternative for APOLLO II	II
519 7224	GEMINI II R4	28	6	Alternative for APOLLO II U	R4
519 7231	GEMINI III	30	8	Alternative for SATURN	III



Heavy duty spacers HD

Heavy duty spacers HD are available for buffing rasps of type AP, REG and NS in the following widths: 1/4" (6.35 mm) and 3/8" (9.5 mm). Please supply the data according to the above mentioned points Pos. 1-8.



Special Tools for Tyre Repair and Service



595 1264



595 1381



595 0485



595 1350

■ Special buffing motors

Modern, user-oriented, well proven, long life motor technology, equipped with safety switch for improved safety. With optional adapter also suitable for flexible shafts W 12 and W 15.

- A safety switch located on the shaft hand piece and a motor brake prevent the after-running of the tool.
- Hence improved safety at work.
- Integration into existing carrying systems with accessory set 595 1312.

Ref.-No.	Description
595 1264	Buffing motor

<i>Voltage (V)</i>	220/240
<i>Engine Output (W)/HP</i>	1100/1.5
<i>Rotation per minute/rpm</i>	1400
<i>For:</i>	W 12/ W 15

Ref.-No.	Description
595 1271	Buffing motor

<i>Voltage (V)</i>	220/240
<i>Engine Output (W)/HP</i>	1100/1.5
<i>Rotation per minute/rpm</i>	2800
<i>For:</i>	W 12/ W 15

Ref.-No.	Description
595 1288	Buffing motor

<i>Voltage (V)</i>	380/400
<i>Engine Output (W)/HP</i>	1100/1.5
<i>Rotation per minute/rpm</i>	1400/2800
<i>For:</i>	W 12/ W 15

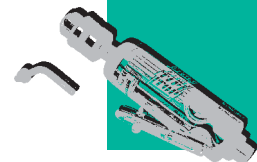
Accessories:

595 0382	Flexible shaft W 10, rubber cover
595 0409	Flexible shaft W 12, metal cover
595 0416	Flexible shaft W 15, metal cover
595 0485	Flexible shaft W 12, rubber cover
595 0492	Flexible shaft W 15, rubber cover
595 0399	Spare inner shaft for W 10
595 0423	Spare inner shaft for W 12
595 0430	Spare inner shaft for W 15
595 0447	Spare protection shaft for W 12
595 0454	Spare protection shaft for W 15
595 0911	Spare rubber cover for W 12
595 0928	Spare rubber cover for W 15
595 0461	Spare aluminium hand piece for W 12/W 15
595 1295	Adapter from W 15 (motor) to W 12
595 1374	Adapter vario from W 12 to W 15
595 1312	Accessory set
595 1381	Mobile stand universal
595 1305	Safety switch for hand piece 595 0461, incl. connector

Ref.-No.	Description
595 1350	Buffing motor VARIO SPEED

including adapter 595 1374 for W15 shaft

<i>Electric power supply (V, W)</i>	220/240, 1100
<i>Speed (1/min)</i>	1800-4500



Special Tools for Tyre Repair and Service

■ Hand Drills

Ref.-No.	Description
860 0660	Drill machine METABO

Speed (1/min) 0-950, 0-2400

Electric power supply (V, W) 220/240, 1010

Ref.-No.	Description
866 0105	DUSS hand drill

- right/left
- high torque of 45 Nm in first gear
- specially suitable for OTR/EM repairs

Speed (1/min) 0-450/0-1550

Electric power supply (V, W) 220/240, 650

Ref.-No.	Description
517 3286	Flexible shaft for use with electric hand drill
517 3293	Holder for drill
517 3303	Holder for flexible shaft

Suitable for buffing tools up to 65 mm in diameter



866 0105

517 3286

517 3293

595 4852

■ Electric fret saw

Ref.-No.	Description
595 4852	Electric fret saw

For removing damaged material when skiving out injuries on EM tyres, continuously adjustable speed; additional swing facilitates your work. Supplied in metal case.

Stroke (mm) 26

Electric power supply (V, W) 220, 1000

Lifting speed (1/min) 700-2400

Accessories:

595 4876 Saw blades steel/rubber, length 150 mm

595 4883 Saw blades steel/rubber, length 200 mm

Special Tools for Tyre Repair and Service



517 2933



595 0234



595 0258

■ Heavy duty buffer



Wear Safety
Goggles



Wear Ear
Protection

Ref.-No.	Description
517 2933	Air buffer with chuck

Operating Pressure (bar)	6-8
Speed (1/min)	0-20000
Hose size (m)	2

Ref.-No.	Description
518 4206	Air Buffer with chuck

Operating Pressure (bar)	6-8
Speed (1/min)	0-3600

Ref.-No.	Description
595 0234	Air buffer AIR SUPER type PN

Operating Pressure (bar)	6-8
Speed (1/min)	0-3600
Design	quick release coupling

Ref.-No.	Description
595 5583	Air buffer AIR SUPER type RC

With 11 mm hexagon coupling

Operating Pressure (bar)	6-8
Speed (1/min)	0-3400
Design	quick release coupling

Ref.-No.	Description
595 0258	Heavy duty air buffer, type female collet

Operating Pressure (bar)	6-8
Speed (1/min)	22000

Ref.-No.	Description
517 2861	Exhaust hose

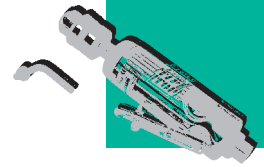
Operating Pressure (bar)	6-8
Type	PN
Hose size (m)	3

Ref.-No.	Description
595 5590	Exhaust hose

Operating Pressure (bar)	6-8
Type	RC
For:	595 5583

Ref.-No.	Description
517 2940	Exhaust hose

Operating Pressure (bar)	6-8
For:	517 2933
Hose size (m)	2



Special Tools for Tyre Repair and Service

Ref.-No.	Description
517 3097	Universal quick-clamping chuck

with 3/8" thread for changing tools quickly and easily

<i>Operating Pressure (bar)</i>	6-8
<i>Design</i>	Universal

Ref.-No.	Description
519 6775	Collet chuck reducer

<i>Operating Pressure (bar)</i>	6-8
<i>For:</i>	6/3 mm

■ Pneumatic patch hammer

Makes it easier to handle the patch hammer



Ref.-No.	Description
517 4450	Pneumatic patch hammer

Facilitates the application of large, multi-ply repair patches to truck or passenger car tyres.

<i>Operating Pressure (bar)</i>	6-8
<i>Design</i>	with plastic ram

Ref.-No.	Description
517 3602	Pneumatic patch hammer

<i>Operating Pressure (bar)</i>	6-8
<i>Design</i>	with metal ram

Accessories:

517 3619	Spare spring
517 3626	Spare tappet

Ref.-No.	Description
538 1009	Pressure equalizing cloth



517 3097



519 6775



517 4450



517 3602

Special Tools for Tyre Repair and Service



518 3733



517 2847



519 7028



518 4309

■ Angle grinder



Wear Safety Goggles



Wear Ear Protection

Ref.-No.	Description
518 3733	Pneumatic angle grinder

For the preparation of the tyre surface, removal of tyre markings according to ECE 109 standard

<i>Operating Pressure (bar)</i>	6-8
<i>Speed (1/min)</i>	25000

Accessories:

518 3740	Grinding disk for angle grinder, 50 mm Ø
518 3764	Grinding pad for angle grinder, 75 mm Ø

■ Fret saw



Wear Safety Goggles



Wear Ear Protection

Ref.-No.	Description
517 2847	Pneumatic fret saw

For the preparation of sidewall injuries to truck tyres.

<i>Operating pressure (bar)</i>	6-8
---------------------------------	-----

Ref.-No.	Description	Qty
517 2854	Saw blades	10

<i>Operating pressure (bar)</i>	6-8
<i>For:</i>	Rubber/steel

■ Vacuum cleaner



Wear Safety Goggles



Wear Ear Protection

Ref.-No.	Description
519 7028	Vacuum cleaner, type pneumatic (for dust/water)

■ Pneumatic stapler



Wear Safety Goggles



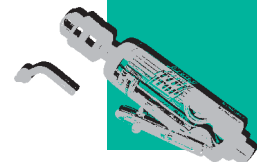
Wear Ear Protection

Ref.-No.	Description
518 4309	Pneumatic stapler

<i>Operating pressure (bar)</i>	5-6
---------------------------------	-----

Accessories:

518 4316	Staples, width 10 mm
518 4323	Staples, width 16 mm



Special Tools for Tyre Repair and Service

■ Cutting tools

Ref.-No.	Description
595 0801	Side cutter for steelcord
595 2074	Narrow blade knife, length 125 mm, 5"
595 2067	Rubber knife, length 145 mm, 6"
595 2050	Rubber knife, length 200 mm, 8"
595 2184	Rubber knife, length 250 mm, 10"
595 2191	Rubber knife, length 310 mm, 12"
595 2177	DON CARLOS knife, length 210 mm, 8"
595 4539	Taper knife, 4"
595 4546	Flexible knife, 4"
519 7059	Overflow cutter, width 50 mm
519 7066	Spare blade, for overflow cutter
595 2108	Scratch knife, adjustable
595 2146	Spare blade for scratch knife
595 2139	Offset flexible knife
595 2153	Wetstone (wooden handle)
714 2002	Wetstone
595 2160	Steel sharpener with wooden handle

Ref.-No.	Description
595 2287	Scissors

Design Industrial quality
Length (mm) 200

Ref.-No.	Description
595 2304	Scissors

Design Industrial quality
Length (mm) 255



Special Tools for Tyre Repair and Service



■ Roller-Stitcher

Ref.-No.	Description
595 1013	Corrugated stitcher

<i>Diameter (mm)</i>	13
<i>Width (mm)</i>	1.5

Ref.-No.	Description
595 1020	Corrugated stitcher

<i>Diameter (mm)</i>	25
<i>Width (mm)</i>	2

Ref.-No.	Description
595 1044	Corrugated stitcher with ball bearing

<i>Diameter (mm)</i>	35
<i>Width (mm)</i>	4

Ref.-No.	Description
595 1123	Stitcher with ball bearing, plain surface

<i>Diameter (mm)</i>	35
<i>Width (mm)</i>	12

Ref.-No.	Description
596 1027	Corrugated standard patch stitcher

<i>Diameter (mm)</i>	35
<i>Width (mm)</i>	4

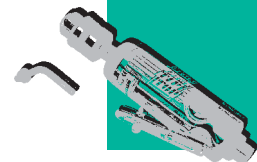
Ref.-No.	Description
595 1147	Needle stitcher

<i>Diameter (mm)</i>	50
<i>Width (mm)</i>	27

Ref.-No.	Description
595 1154	Needle stitcher

<i>Diameter (mm)</i>	50
<i>Width (mm)</i>	46

Accessories:	
595 0849	Spare needles 1.5 mm x 12 mm 3000 pcs/pack



Special Tools for Tyre Repair and Service

■ Rasp



Ref.-No.	Description
595 8937	Rasp

For the cleaning and preparing of the injury when repairing with SEALASTIC- or SUPER SEALASIC repair units

Diameter (mm) 4.5



Ref.-No.	Description
595 8944	Rasp

Diameter (mm) 6.5

■ Pincers and pliers TIP TOP

Ref.-No.	Description
836 8476	Universal pliers, insulated

Ref.-No.	Description
842 6985	Pincers with lever nose

■ Tyre probe

Ref.-No.	Description
836 5606	Tyre probe with wooden handle
836 5613	Tyre probe with plastic handle

Length (mm) 140

■ Marking with pen

Ref.-No.	Description
595 0045	Rubber marking pen silver
595 0052	Patch marking pen



595 8944



836 5613



595 0045



595 0052

Special Tools for Tyre Repair and Service



595 0131



595 0227



595 8401



595 8425



595 8432



595 8460

■ Marking with chalk

Ref.-No.	Description	Qty
595 0131	SISA marking chalk, contents 12 pieces	1

Diameter (mm) 17
Colour white

Ref.-No.	Description	Qty
595 0203	SISA marking chalk, contents 12 pieces	1

Diameter (mm) 17
Colour yellow

Accessories:

595 0227 SISA marking chalk holder

Ref.-No.	Description	Qty
595 8401	TIP TOP tyre marker, contents 12 pieces	1

Diameter (mm) 13
Colour rubber white

Ref.-No.	Description	Qty
595 8418	TIP TOP tyre marker, contents 12 pieces	1

Diameter (mm) 13
Colour yellow

Accessories:

595 8425 Chalk holder TIP TOP, yellow

Ref.-No.	Description	Qty
595 8449	Waxmarking chalk, contents 20 pieces	1

Diameter (mm) 10
Colour white

Ref.-No.	Description	Qty
595 8432	Waxmarking chalk, contents 20 pieces	1

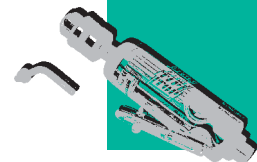
Diameter (mm) 10
Colour yellow

Accessories:

595 8456 Chalk holder

Ref.-No.	Description	Qty
595 8460	CARMEL special chalk, contents 12 pieces	1

Diameter (mm) 17.5



Special Tools for Tyre Repair and Service

■ Measuring tools

Ref.-No.	Description
519 1653	Tread depth gauge

Measuring range (mm) 0-30

Ref.-No.	Description
519 1828	Digital tread depth gauge

Measuring range (mm) 0-31

Ref.-No.	Description
595 4467	Steel tape measure

Length (cm) 30

Ref.-No.	Description
811 0961	Flexible steel ruler

Length (cm) 15

Ref.-No.	Description
517 8511	Digital thermo couple

Thermometers for measuring operating and process temperatures on objects such as steam lines, heating equipment, vulcanizing equipment, motors etc..The temperatures on or in the material to be vulcanized can be measured with the appropriate measuring equipment and sensors. The sensors can be put on the object or inserted in it or the temperatures are measured without any contact with the object. Periodically monitoring temperatures can help to avoid malfunction or costs arising from the ensuing damage.

Accessories:

517 8528 Thermo couple wire

517 8535 Sensitive pin

Ref.-No.	Description
517 8504	Radiation thermometer

For measuring moving or electric parts without touching them. The thermometer measures the thermal radiation emitted by the object in question

Weight (g) 350

Ref.-No.	Description
517 8535	Sensitive pin with connector

Length (mm) 100

Diameter (mm) 3

Ref.-No.	Description
517 8528	Thermo couple wire, flexible, with connector

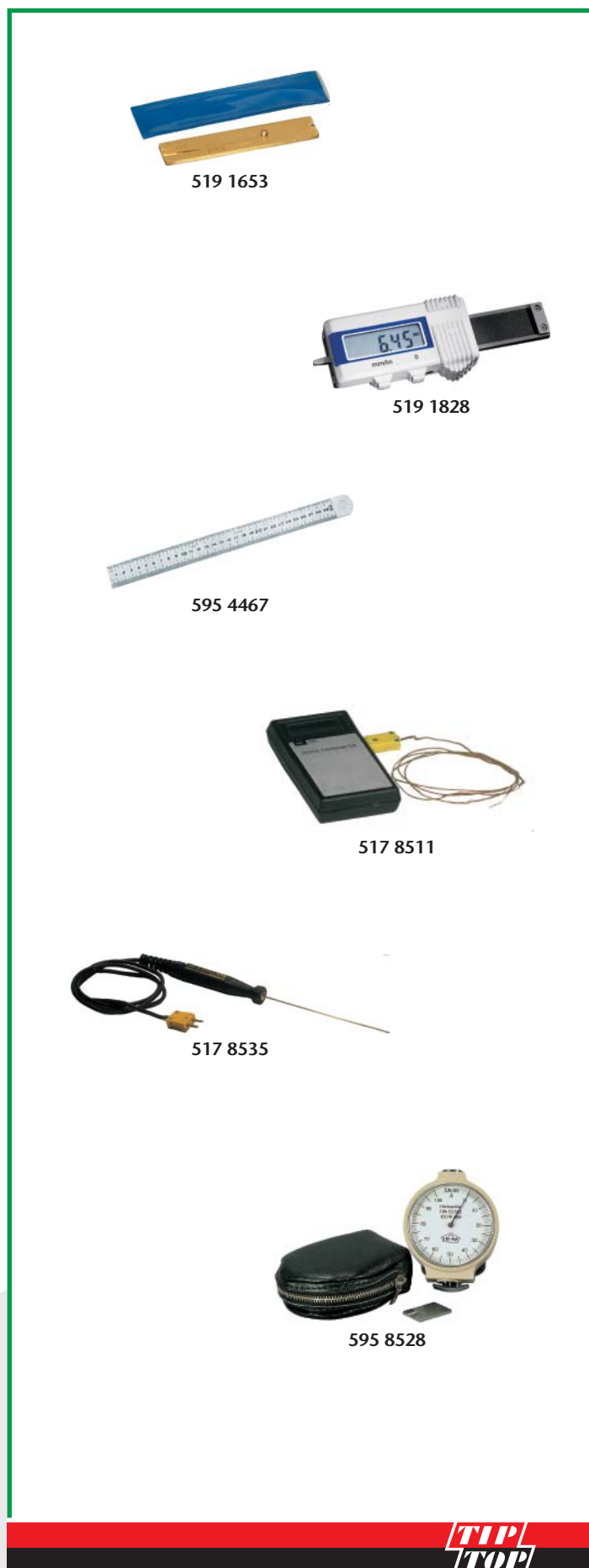
Length (mm) 1000

Ref.-No.	Description
595 8511	Hygrometer

595 8528 Shore meter

Ref.-No.	Description
595 8535	Thickness gauge

Measuring range from 0 up to 30 mm



Special Tools for Tyre Repair and Service



519 4515



595 4553



595 0069



873 4608



873 4945

■ Innerliner scrapers

Ref.-No.	Description
595 1178	Innerliner scraper for flat and curved surfaces
595 4515	Innerliner scraper system BANDAG

■ Hand brushes

Ref.-No.	Description
595 4553	Brass-bristled brush
595 0069	Steel-bristled brush
036 0269	Coconut fibre brush
036 0276	Horsehair brush

■ Safety goggles

With soft frame that fits snugly and also serves to absorb shocks; wide field of vision, adjustable side-pieces with locking mechanism, optimum ventilation, easily exchangeable, convex glasses:

scratch-resistant; resistant to chemicals; UV-absorbing; anti-static; anti-fog.

Ref.-No.	Description
873 4608	Safety goggles MAXIMA 650

Accessories:

873 4615	Pair of spare glasses
873 4787	Box for safety goggles

■ Face protector

Adjustable head band with polycarbonate face protection without metal parts; fits snugly; due to adjustable head straps, shockproof; exchangeable extra-wide face shield made of transparent acetate which protects against solvents and other chemicals; has to be used at garages and petrol stations while filling batteries with acids.

Ref.-No.	Description
873 4945	Face protector SUPERVIZOR

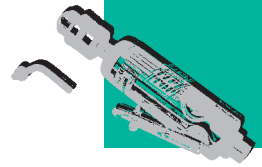
Accessories:

873 4969	Spare face shield
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■ Cutting protection gloves

Ref.-No.	Description	Qty
595 1453	Cutting protection gloves	1 piece

Thanks to their especially high mechanical resistance, the gloves are best suited to the protection of the guiding hand during numerous rubber cutting operations; suitable for the protection of your hands when mounting metal sheets or machines. Material: knitted kevlar fabric with antigliss coating, the gloves provide no protection against stabbing tools or rotary cutting tools such as disk saws, parting-off grinders or similar tools.



Special Tools for Tyre Repair and Service

■ Working gloves TIP TOP

Ref.-No.	Description	Qty
519 7200	Working gloves Vulcanizer	1 pair
heat-resistant, steam-resistant special leather		
Ref.-No.	Description	Qty
036 3503	Gloves split leather	10 pairs
<i>Colour</i>	<i>grey</i>	
Ref.-No.	Description	Qty
036 3510	Gloves high-quality pigskin	10 pairs
<i>Colour</i>	<i>yellow</i>	
Ref.-No.	Description	Qty
036 3620	Protection Gloves NBR-coated cotton	10 pairs
Washable, no perspiration, resistant to oil, acids and lacquers		
<i>Size</i>	<i>10</i>	
<i>Colour</i>	<i>yellow</i>	
Ref.-No.	Description	Qty
558 8709	Protection gloves with knobs, size 9-10	1 pair
558 8716	Protection gloves with knobs, size 10-12	1 pair
558 8723	Thin protection gloves, size L	1 pair
558 8572	Thin protection gloves, size XL	1 pair



519 7200



036 3510



036 3620



558 8709



558 8723



Chemical Products



593 2094



593 2276



593 2087



593 2269



593 2283



593 2537



593 0254



593 2551

■ Hand care and protection

Ref.-No.	Description
593 2094	SKIN PROTECT, 50 ml standing tube

SKIN PROTECT is a water-soluble, white, fat- and silicone-free protective cream for skin care. It covers the skin with an elastic nonskid coating; protects from stubborn dirt (e.g. soot, tar etc.); especially suitable for work such as tyre repair, preparation for bonding, painting etc.

Ref.-No.	Description
593 2276	SKIN PROTECT, 1000 ml

Ref.-No.	Description
593 2087	SILK SKIN, 50 ml standing tube

Non water-soluble, silicone-free, slightly greasy protective cream with beeswax. High quality vegetable oils complemented by substances which condition the content of moisture to keep your skin smooth and elastic. Regular application of the cream supports the regeneration and natural resistance of your skin.

Ref.-No.	Description
593 2269	SILK SKIN, 1000 ml

Accessories:	
593 2283	Dispenser

■ TIP TOP cream soap

Ref.-No.	Description
593 0254	Cream soap, 1000 ml

Accessories:	
593 2537	Dispenser for cream soap
593 2551	Dosing pump for cream soap



Chemical Products

■ Hand Cleaner

Ref.-No.	Description	Qty
593 2001	Hand Cleaner TOP CLEAN, 250 ml standing tube	12
593 2018	Hand Cleaner TOP CLEAN, 5 l bucket	1
593 2025	Hand Cleaner TOP CLEAN, 10 l bucket	1

Cream-like and efficient hand cleaner which does not attack the skin and removes at the same time every stubborn kind of dirt such as oil, grease, tar, resin, paint etc. Cleans with mild ingredients and very fine abrasive materials, without organic solvents. The product contains no sand and therefore does not clog outlets or drains. Over 90 % of the ingredients are biodegradable; to be used together with SKIN PROTECT and SILK SKIN for regular skin care.

Accessories:

593 2063 TOP CLEAN dispenser

Ref.-No.	Description	Qty
593 0481	Hand Cleaner SUPER, 4 l bucket	1 or 75
593 0443	Hand Cleaner SUPER, 11 l bucket	1 or 33
593 0436	Hand Cleaner SUPER, 120 l barrel	1

With orange fragrance, removes even the toughest dirt (such as soot, paint, printing black, tar, bitumen, underseal etc.); Hand Cleaner SUPER cleans down to the pores; easy to wash off; does not contain sand; and therefore does not clog drains or outlets.

Ref.-No.	Description	Qty
593 0498	Hand Cleaner SOFT, 500 ml plastic can	12
593 0450	Hand Cleaner SOFT, 11 l plastic bucket	1 or 33

Contains lanolin and vegetable oil without additional solvents; extremely mild, does not irritate the skin; does not clog drains or outlets. Economical: Apply small amount only (approx. 2 g are enough!). Alkali-free; adapted to the acid protection of the skin. Citric acid helps to preserve the resistance of the skin.

Accessories:

593 0412 Hand Cleaner dispenser STANDARD

593 0467 Hand Cleaner dispenser



593 2001



593 2018



593 2063



593 0443



593 0450



593 0498



593 0467



593 0412





Chemical Products



593 0591



593 0632



593 1765



593 0577



593 1332

■ Mounting paste

TIP TOP offers mounting pastes and creams for mounting all types and sizes of tyres. These mounting lubricants are developed in our own laboratories and tested in the field. They are specifically designed for the respective application areas and mounting conditions (tools, equipment, tyre/rim assemblies) to avoid costly damage due to mounting.



Ref.-No.	Description
593 0591	UNIVERSAL mounting paste, 1 kg bucket
593 0601	UNIVERSAL mounting paste, 3.5 kg bucket
593 0632	UNIVERSAL mounting paste, 5 kg bucket
593 0625	UNIVERSAL mounting paste, 10 kg bucket

For quick and easy mounting/demounting of all current tyre/rim combinations. Chemically neutral to rubber and metal, excellent lubrication for mounting and demounting operations = fewer injuries caused by tyre mounting; prevents the tyre from slipping on the rim when rolling. The product does not spatter on the vehicle body.

Art.-Nr.	Bezeichnung
593 1765	Black multi-purpose mounting paste, 5 kg bucket

For quick and easy mounting / demounting of all current tyre / rim combinations. PSR, Truck, Farm, Motorbike and OTR. Chemically neutral to rubber and metal. Excellent lubrication for mounting and demounting operations. Fewer injuries caused by tyre mounting. Prevents the tyre from slipping on the rim



Ref.-No.	Description
593 0577	Mounting paste „Low section“, 3.5 kg bucket

Especially developed to allow the quick and easy mounting and demounting of low section tyres with standard tyre changers. Effective lubrication at the beginning of the mounting operation. The product dries quickly and does not spatter on the vehicle body.

■ MONTSEAL



Ref.-No.	Description
593 1332	MONTSEAL, 5 kg bucket

During tyre mounting, this mounting paste durably seals minor leaks where the beads are seated on the rim. Proven tyre mounting paste with additional bead sealing properties: ideal for mounting retreads or for mounting tyres on old rims.



Chemical Products

■ Mounting Cream

Not to be used for passenger car tyres, motorcycle tyres or tube-type agricultural tyres seated on tractor driving wheels!



Ref.-No.	Description
593 0515	Mounting Cream TRUCK, 5 kg PE-bucket

Specifically developed for long sliding distances coupled with high friction between tyres and rims, and other extreme mounting conditions etc. New, effective sliding coat makes tyre mounting/demounting easier, thus reducing wear to the equipment; chemically neutral to rubber and metal; easy demounting even after advanced mileage; economic usage;



Ref.-No.	Description
593 0508	Mounting Cream W, 5 kg PE-bucket

Higher viscosity, therefore combination of the features of paste and cream; effectively helps to mount all truck, agricultural and industrial tyres.



Ref.-No.	Description
593 0539	Mounting Cream EM, 5 kg PE-bucket

For large EM-tyres; stable, cream-type viscosity, therefore quick application to large areas possible; good mounting/demounting properties.

■ Mounting Wax



Ref.-No.	Description
593 0553	Tyre Mounting Wax H, 5 kg PE-bucket

Mounting Wax H for all standard applications on two-wheel vehicle and car tyres.



Ref.-No.	Description	Qty
593 1851	MONT 2000, 5 kg PE-bucket	1
593 1868	MONT 2000, 5 kg PE-bucket	72
593 1875	MONT 2000, 10 kg PE-bucket	1

For all standard mounting applications to passenger car and truck tyres.

■ DEMOUNTING FLUID



Ref.-No.	Description
593 5541	DEMOUNTING FLUID, 5 l PE-can

DEMOUNTING FLUID with excellent flow properties for demounting tyres which are stuck on their rims. The demounted tyre stays completely serviceable. (When using products containing oil, the tyre becomes unusable, as mineral oil destroys the structure of rubber.) TIP TOP DEMOUNTING FLUID, however, does not attack the rubber structure of the beads, is free from mineral oil and extremely economical.

Note: Because of its excellent lubricating effect, DEMOUNTING FLUID must not be used for tyre mounting! Otherwise the tyre may slip on the rim when rolling.



593 0515



593 0508



593 0539



593 0553



593 1851



593 5541

Chemical Products



593 5510



593 0072



593 0388



593 0807



593 5613

■ LUBE LIQUID

Especially suitable for agricultural tyres.
 Concentrate – to be diluted with water at a ratio of 1:5.



Ref.-No.	Description
593 5503	LUBE LIQUID, 1 l plastic bottle
593 5510	LUBE LIQUID, 5 l can

■ ANTI-GLISS-LUBE



Ref.-No.	Description	Qty
593 0072	ANTI-GLISS-LUBE, 500 g tin	10

Bead bonding agent for large tyres.

■ Liquid bead lubricant



Ref.-No.	Description
593 0388	Liquid bead lubricant, 1 l plastic bottle

Liquid bead lubricant for SE and SIT tyres

■ BEAD SEALER

Spreadable sealant for sealing leaks caused by ageing or wear on the beads of truck, tractor, EM and off-road tyres. Bead Sealer is applied to the bead and bead seat before the tyre is inflated. When the tyre is inflated, the solid matter contained in the solution is pressed into the uneven areas, in such a way that they are sealed. Use TIP TOP bead vulcanizing devices for larger injuries.

Safety instruction: As BEAD SEALER is flammable, do not use it to fill the tyre. Do not use it in case of larger injuries such as damage due to tyre mounting, cuts extending to the fabric etc.



Ref.-No.	Description
593 0807	BEAD SEALER, 1 l plastic bottle
593 0814	BEAD SEALER, 5 l plastic bottle

■ TYRE COMPOUND

Can be used as a “flexible pump ring” for all tyre mounting operations. Stiff paste with stable viscosity to seal the gap between tyre bead and rim edge.



Ref.-No.	Description
593 5613	TYRE COMPOUND, 10 kg

7



STAHLGRUBER



Chemical Products

■ Brush for mounting paste



Ref.-No.	Description
593 1978	Special brush

Handle (mm) 400

Ref.-No.	Description
593 0584	Special brush

Handle (mm) 300

Diameter (mm) 30



Ref.-No.	Description
593 0618	Special brush

Used for applying mounting cream

Handle (mm) 500

Diameter (mm) 50



Ref.-No.	Description
595 8360	Special brush

used for mounting/demounting low-profile tyres

Width (mm) 50

■ TALCUM

Asbestos free; for the mounting of tube tyres

Ref.-No.	Description	VpE
593 0649	TALCUM, 500 g	10
593 0687	TALCUM, approx. 25 kg in sack	1

■ Brush for solutions

Ref.-No.	Description
595 0186	Brush

The thickness of the brush and the hardness of the bristles have a determining influence of the coat of cement in the skive, on the inner liner and on the patch.

Design long bristles, natural fibre
For: all cements
Diameter (mm) 40

Ref.-No.	Description
595 4508	Aluminium container

Design with brush top

Ref.-No.	Description
595 4649	Brush top with brush

Design including brush for 595 4508



593 0618



593 0649



595 4508



Chemical Products



593 5084



595 9125



595 9132



595 8298

Ref.-No.	Description
595 8308	Special brush

Design short fibre bristles
For: SPECIAL CEMENT BL, HR SOLUTION etc.
Diameter (mm) 25

Ref.-No.	Description
595 8315	Special brush

Design short fibre bristles
For: SPECIAL CEMENT BL, HR SOLUTION etc.
Diameter (mm) 35

Ref.-No.	Description
595 8322	Flat brush

Design short bristles
For: INNERLINER SEALER
Width (mm) 25

Ref.-No.	Description
595 8353	Brush with screw top

Ref.-No.	Description
595 9307	Special brush

suitable for SPECIAL CEMENT BLX

Ref.-No.	Description
595 8346	Can lid with brush holder

Design with brush holder
Diameter (mm) 50
suitable for 650 g can CFC-free solutions,
 1 kg can vulcanizing solutions,
 500 g can SPECIAL CEMENT BL

■ Tyre paint

Ref.-No.	Description
593 5084	Black tyre wash paint, 25 l bucket

Colour black
Design water-based

■ Brush cleaner

Prevents brushes from drying out.

Ref.-No.	Description
595 9118	Cleaning agent R4, 250 ml can, CFC-free
595 9149	Cleaning agent R4 spray, 500 ml tin, CFC-free
595 9125	Cleaning agent R4, 800 ml can, CFC-free
595 9132	Cleaning agent R4, 5 l can, CFC-free
595 9022	Cleaning agent, 800 ml can
595 9084	Cleaning agent, 5 l can
595 9091	Cleaning agent, 10 l can

Ref.-No.	Description
595 8298	Brush cleaning tin UNIVERSAL



Chemical Products

■ Bottle

Ref.-No.	Description
593 0120	Spray bottle, 0.5 l

For applying liquid bead lubricant for SE tyres.

Design *not suitable for solvents*

Ref.-No.	Description
593 0144	Spray bottle

With nipple for compressed air supply

Design *suitable for solvents*

■ TT SEAL

Preventive tyre sealant for tube-type and tubeless tyres, helps to avoid costs arising from the breakdown of expensive vehicles such as agricultural tractors, reduces the risk of tyre failures due to slow air loss that often results from smaller punctures, automatically seals punctures. Stays effective during the whole service life of a tyre. Can be easily introduced into already mounted tyres by means of a hand pump. Affects neither existing tyre repairs nor the reparability of a tyre. Released for a maximum speed of 80 km/h. A detailed list of the quantities required for the respective tyre sizes is enclosed with the product.



Ref.-No.	Description
593 1239	TT SEAL, 250 ml tube

■ TT SEAL XXL

Preventive tyre sealant for tube-type and tubeless tyres, helps to avoid costs arising from the breakdown of expensive vehicles such as agricultural tractors and earthmovers, reduces the risk of tyre failures due to slow air loss that often results from smaller punctures, automatically seals punctures up to 8 mm, stays effective during the whole service life of a tyre, can be easily introduced into already mounted tyres by means of a hand pump, affects neither existing tyre repairs nor the reparability of a tyre, repair the tyre durably with TIP TOP repair products as soon as possible in order to restore the strength of the casing, released for a maximum speed of 40 km/h. A detailed list of the quantities required for the respective tyre sizes is enclosed with the product.



Ref.-No.	Description
593 1253	TT SEAL XXL, 30 l PE container
593 1260	TT SEAL XXL, 60 l PE container

Accessories:

593 1277	Hand pump
593 1284	Valve adapter for connecting the hand pump to the valve, together with EM reducer VG12 to VG8



**TIP
TOP**

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**Stahlgruber Otto Gruber GmbH & Co.
D - 81675 München, Einsteinstr.130**

The company obtains by means of the certificate No. 02 10 9811 002 and the corresponding Technical report 70017613 the right to mark its products which are described in the following with the displayed approval mark of the certification body of TÜV Automotive GmbH, TÜV Süddeutschland Group.



This Product fulfils the basical requirements according to the testing requirements of TÜV Automotive GmbH, TÜV Süddeutschland Group.

Description of the Product:

Minicombi - repair set A3,A4,5 and A6 for passenger car tire (ECE R30), truck tire (ECE R54) and motor-cycle tire (ECE R75)

This Certificate is valid until: August 2004.

Gaimersheim, 21.10.2002

TÜV AUTOMOTIVE GmbH
TÜV Süddeutschland Group
Certification of Product

M. Kohl



Laboratory

S. Berger

UNTERNEHMENSGRUPPE TÜV SÜDDEUTSCHLAND

TÜV



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