TIP TOP
power for motion

SPECIAL PROGRAMME

VULCANIZERS & RETREADERS

2004/2005

REMA TIP TOP INTERNATIONAL

STAHLGRUBER

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**

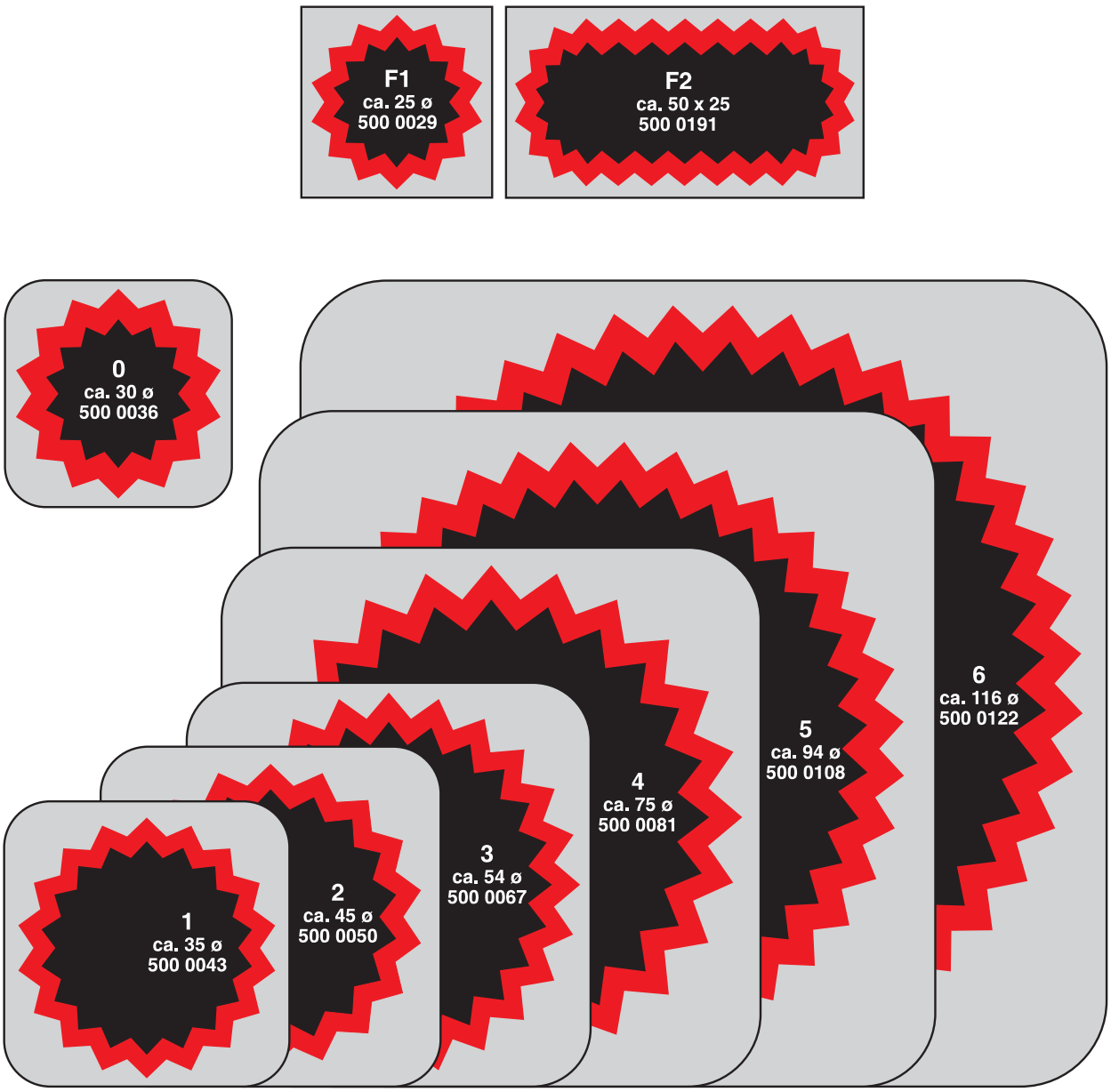
Hanover, November 5, 2001

TÜV NORD CERT

TÜV CERT Certification Body of
TÜV NORD CERT GmbH & Co. KG

REMA TIP TOP INTERNATIONAL STAHLGRUBER

Repair Products for Tubes

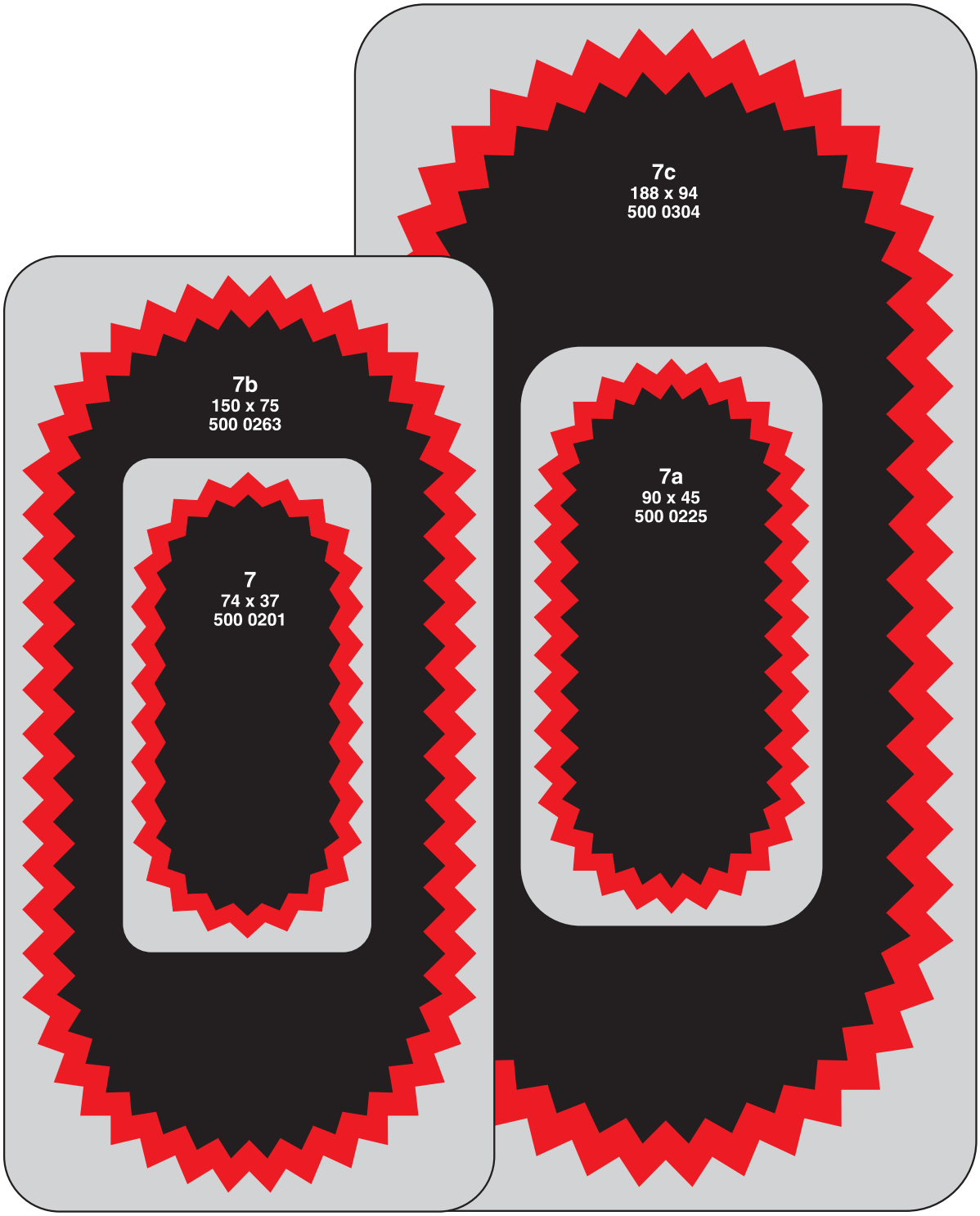


Tube Patches shown in original size, in mm approx.

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



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

506 0306

507 0310

506 0351

506 0911

506 0519

506 0375

507 0602

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 stitcher	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 stitcher	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		
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 stitcher, 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 stitcher, 1 LIQUID BUFFER 250 ml	●

Repair Products for Tubes

507 9892

506 0007

506 0100

506 0045

506 0193

506 0605

506 0203

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

501 0071

501 0088

501 0136

501 0143

501 0167

501 0318

501 0253

501 0277

563 1900

501 0600

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

501 0545

500 5718

562 3224

562 9792

562 8401

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

505 9685

505 9702

505 9692

Vulcanizing fluid

Vulcanizing fluid (Free of CFC and Aromatic Compounds)

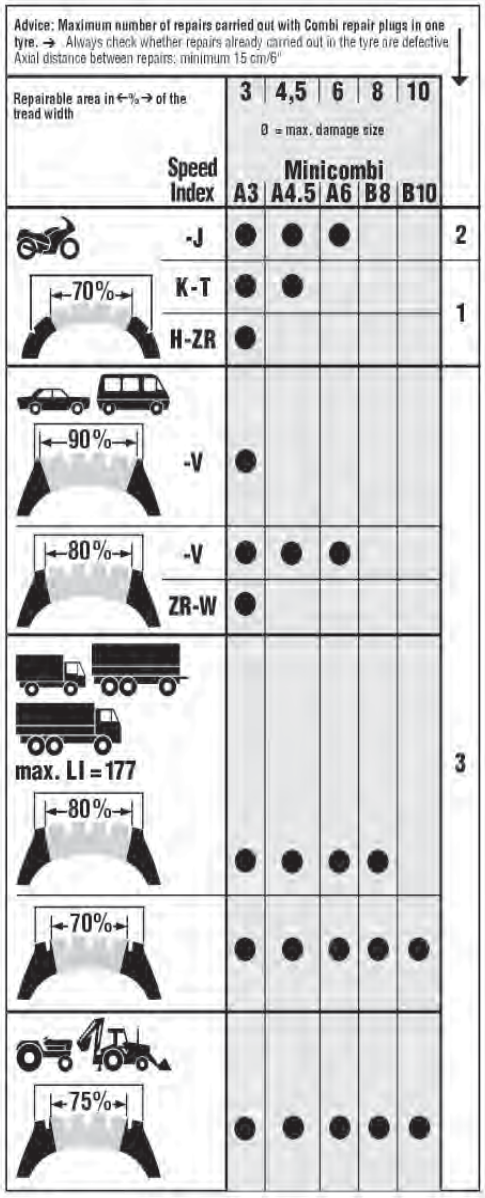
For the vulcanization of tube patches, valve patches and rubber-based valves.

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 9018 - 505 9245

Repair Products for Tyres

511 1200



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 ingression 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 pilots

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 stitcher
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

Repair Products for Tyres

2

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

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 — *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*

Ref.-No.	Description
510 1612	REMASEAL replacement pack, 45 pieces

Ref.-No.	Description
510 1681	REMASEAL workshop kit, 35 pieces

Contents — *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*

Ref.-No.	Description
510 1636	REMASEAL replacement pack, 35 pieces

SUPER RADIAL ANCHOR SEAL

Ref.-No.	Description
510 3603	SRAS workshop kit

Contents — *25 plugs, 1 tin of SPECIAL CEMENT BL à 40 g, ratchet, inserting tool, chalk, knife*

Ref.-No.	Description
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

Ref.-No.	Description
510 1540	Hand ratchet (Right/Left)

Ref.-No.	Description
510 2202	Folding insert tool

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 Univeral Patch	C∅ max. mm	C∅	C∅	C∅
- T	3	UP 3	UP 3	UP 3
	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	-
	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

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.

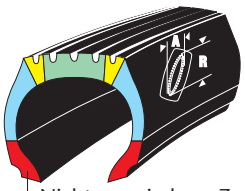
Ref.-No.	Description	Ply rating	Dimensions, length x width (mm)	Qty					
512 1104	RAD 110 TL	1	75 x 55	20		●			
512 1128	RAD 112 TL	1	115 x 70	10		●			
512 1142	RAD 114 TL	1	130 x 85	10		●			
512 1159	RAD 115 TL	1	90 x 75	20	●	●	●		
512 1207	RAD 120 TL	2	125 x 80	10	●		●	●	
512 1221	RAD 122 TL	2	175 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

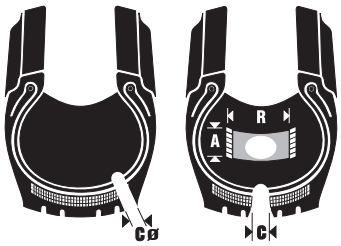
RAD iAL

■ RAD Repair Patches Series 100

		① max. A mm	① max. R mm	RAD-Nr.	② max. C Ø mm	② max. A x R mm	③ max. C Ø mm
	Q	6	12	110 TL	10	10 x 10	8
		20	35	114 TL	20	20 x 20	
		20	30	115 TL	18	18 x 18	8
	T	6	12	110 TL	8	8 x 8	6
		15	30	112 TL	12	12 x 12	6
				115 TL			
	H	6	6	110 TL	6	6 x 6	3
				115 TL			
	V	3	3	110 TL	6	6 x 6	3
	ZR	-	-	110 TL	3	3 x 3	
165 - 215 6 - 8 PR max - 121 LI		6	6	112 TL	6	6 x 6	
		-	-	115 TL	12	12 x 12	
		15	30	120 TL	15	15 x 15	8
		-	-	115 TL	10	10 x 10	
6.00 - 7.50 7 R - 8.5 R 205/ - 225/		10	10	120 TL	12	12 x 15	8
		15	60	122 TL	15	15 x 15	10
		20	50				
		10	80	140 TL	25	25 x 40	15
		25	60				
		1 Cable	80	124 TL			
		2 Cables	60				
8.25 - 10.00 9 R - 11 R 11/ 235/ - 285/		-	-	115 TL	8	8 x 8	
		6	10	120 TL	10	10 x 15	8
		10	80	140 TL	20	20 x 40	15
		20	60				
		10	110	142 TL	30	30 x 50	20
		25	80				
		20	130	144 TL	40	40 x 70	25
		40	80				
				125 TL	15	15 x 25	
				135 TL	25	25 x 35	
				145 TL	40	40 x 60	
		1 Cable	80	124 TL			
		2 Cables	60				
		1 Cable	120	126 TL			
		3 Cables	60				
11.00 -13.00 12 R - 15 R 12/ - 13/ 295/ - 365/		-	-	115 TL	8	8 x 8	
		6	6	120 TL	10	10 x 10	6
		10	60	140 TL	15	15 x 20	10
		15	35				
		10	100	142 TL	25	25 x 50	20
		25	80				
		20	130	144 TL	40	40 x 70	25
		40	80				
				125 TL	10	10 x 20	
				135 TL	20	20 x 30	
				145 TL	40	40 x 60	
		1 Cable	120	126 TL			
		3 Cables	60				
		1 Cable	140	128 TL			
		2 Cables	80				
14.00 - 16.5 R - 15.5/ - 385/ - max. LI 177				120 TL	8	8 x 8	
		12	30	140 TL	12	12 x 12	10
		10	100	142 TL	20	20 x 30	20
		20	60				
		20	130	144 TL	30	30 x 50	25
		30	60				
		40	100	146 TL	40	40 x 70	30
		1 Cable	120	126 TL			
		3 Cables	60				
		1 Cable	140	128 TL			
		2 Cables	80				



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



Vmax 50 km/h Standard 100-90	Serie 85-80	Serie 75-70	Serie 65-60	Serie 55-45	① max. A mm	① max. R mm	RAD-Nr.	② max. C Ø mm	② max. A x R mm	③ 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				
					60	100	182	60	60 x 75	45
					100	75				
					60	125	184	75	75 x 90	55
					100	80				
13.6-18.4 12-15	335/ - 420/	375/ - 520/	420/ - 540/		-	-	115	10	10 x 10	
					15	25	120	15	15 x 15	10
					40	60	180	30	30 x 50	20
					60	40				
					60	100	182	60	60 x 70	40
					85	70				
					75	125	184	80	80 x 100	50
					100	75				
					90	140	186	100	100 x 140	75
					125	110				
					100	200	188	125	125 x 150	80
					140	160				
20.8-30.5	460/ -	540/ - 710/	600/ - 800/	700/ - 1050/	10	20	120	10	10 x 10	10
					25	60	180	25	25 x 40	10
					40	100	182	40	40 x 60	30
					60	125	184	70	70 x 90	40
					85	75				
					85	120	186	85	85 x 120	60
					120	80				
					90	180	188	100	100 x 175	70
					125	125				
					160	200	190	125	125 x 150	
					125	250				

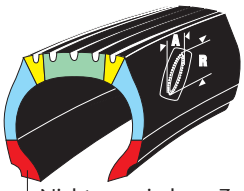
Vmax 40 km/h Standard 100-90	Serie 85-80	Serie 75-70	Serie 65-60	Serie 55-45	① max. A mm	① max. R mm	RAD-Nr.	② max. C Ø mm	② max. A x R mm	③ max. C Ø mm
5.00- 7.00		150/- 200/					115	6	6 x 6	
					10	10	120	10	10 x 10	6
					10	50	122	10	10 x 20	6
					15	30				
7.50- 10.00		225/- 315/	250/- 355/				115	3	3 x 3	
					8	10	120	10	10 x 10	6
					8	30	122	10	10 x 15	6
					18	70	140	18	18 x 30	10
					15	50				
					18	70	142	25	25 x 35	12
					25	50				

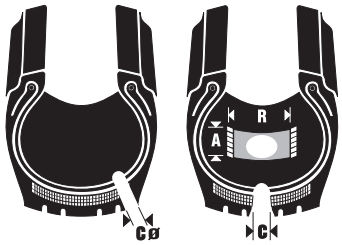
This is the repair chart valid at the moment of printing (Ref.-No. 581 2000).
Always refer to the repair chart and safety advice packed with the product!

TIP TOP

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 max. A mm	① max. R mm	RAD-Nr.	② max. C Ø mm	② max. A x R mm	③ 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				
			50	250	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				
			130	180	168 TL	100	100 x 150	70
			170	140				
27.00-40.00	29.5-50.5	45/-65/	60	400	160 TL	90	90 x 180	65
			120	250				
33.00-40.00	37.25-50.5	55/-65/	60	480	162 TL	100	100 x 220	70
			120	250				
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

512 5351

512 5337

512 5416

2

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		●

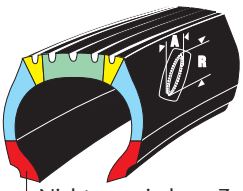
RAD, 500 Series ARAMID

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**.

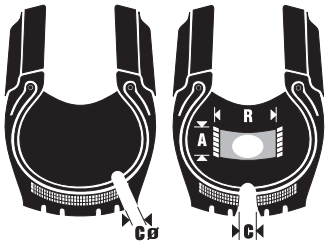
Ref.-No.	Description	Dimensions, length x width (mm)	Qty	
512 5314	RAD 531 ARAMID	165 x 88	10	●
512 5338	RAD 533 ARAMID	205 x 110	10	●
512 5352	RAD 535 ARAMID	245 x 110	10	●
512 5376	RAD 537 ARAMID	285 x 110	10	●
512 5390	RAD 539 ARAMID	325 x 115	10	●

Repair Products for Tyres

product patents pending



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

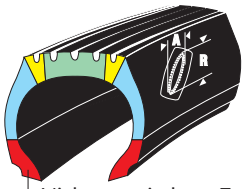


■ RAD Repair Patches Series 500

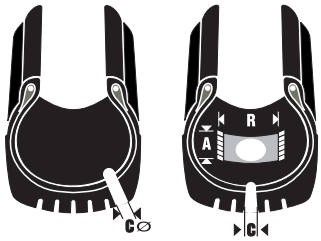
	Standard 100	Serie 85-80	Serie 75-70	Serie 65-60	Serie 55-45	① max. A x R mm	② max. CØ mm	② max. A x R mm	③ max. CØ mm	RAD No.
min. LI 122	6.00 - 7.50	7 R - 8.5 R 205/ - 235/	205/ - 235/	245/ - 265/		–	10	10 x 10	–	115
						15 x 30	15	15 x 15	10	531
						10 x 75 20 x 60	20	20 x 30	12	533
						20 x 90 30 x 60	25	25 x 40	15	535
						–	15	15 x 15	–	225
	8.25 -10.00 225/ - 245/	9 R - 10 R 245/ - 265/	245/ - 265/	275/ - 315/		–	8	8 x 8	–	115
						12 x 30	15	15 x 15	10	531
						10 x 75 20 x 60	20	20 x 30	15	533
						20 x 90 25 x 80	30	30 x 50	20	535
						10 x 140 25 x 120 35 x 80	35	35 x 70	25	537
						–	18	18 x 25	–	225
						–	25	25 x 35	–	235
						–	40	40 x 60	–	245
	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 x 50	20	20 x 30	12	533
						15 x 90 25 x 70	25	25 x 50	15	535
						15 x 130 35 x 70	35	35 x 70	25	537
						15 x 150 30 x 100 40 x 85	40	40 x 80	25	539
						–	15	15 x 25	–	225
						–	25	25 x 35	–	235
						–	40	40 x 60	–	245
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 x 60	20	20 x 30	15	535
						12 x 110 25 x 70	25	25 x 40	20	537
						10 x 160 15 x 120 30 x 80	30	30 x 50	25	539
						20 x 130 40 x 80	40	40 x 60	25	541
						15 x 170 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 max. A x R mm	max. C ⌀ mm	② max. A x R mm	③ max. C ⌀ mm	RAD No.
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 50 x 100	40	40 x 70	20	543
						30 x 200 50 x 150	50	50 x 75	25	545
						30 x 250 60 x 170	60	60 x 90	40	547
						60 x 250 100 x 180	90	90 x 120	55	549
						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 50 x 100	45	45 x 60	25	545
						30 x 250 55 x 175	55	55 x 95	35	547
						25 x 300 60 x 230 100 x 150	100	100 x 130	55	549
						60 x 230 115 x 150	100	100 x 130	60	551
						60 x 350 80 x 300 130 x 225	110	110 x 150	70	553
						60 x 400 90 x 350 130 x 275	110	110 x 175	80	555
						150 x 225 200 x 150	100 125	100 x 200 125 x 150	80	557
						—	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 x 125	25	25 x 60	15	545
						25 x 250 50 x 150	50	50 x 80	30	547
						20 x 300 60 x 200 90 x 150	90	90 x 110	45	549
						60 x 200 115 x 150	90	90 x 110	55	551
						50 x 400 75 x 300 125 x 225	110	110 x 150	70	553
						50 x 500 75 x 400 120 x 275	110	110 x 200	80	555
						140 x 225 180 x 150	100 125	100 x 200 125 x 150	80	557
						—	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

P·N DIAGONAL

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.

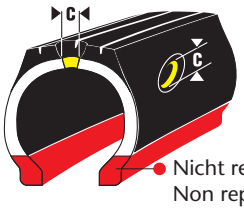
Ref.-No.	Description	Patch diameter in cord direction (mm)	Qty	Ply rating	Tread and shoulder injury	Sidewall injury				
512 6020	PN 02	80	20	2	●	●		●	●	
512 6037	PN 03	100	10	2	●	●		●	●	
512 6044	PN 04	120	10	2	●	●		●	●	
512 6051	PN 05	160	10	4	●	●			●	
512 6116	PN 05 S	160	10	4		●			●	
512 6068	PN 06	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**

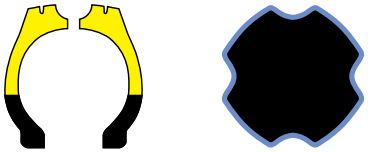
C max. mm	C max. inch	PR PLY RATING	-6	8 - 10	12 - 14	16 - 18
25	1"	PN-Nr.	o20	o20	o20	o20
50	2"	PN-Nr.	o20	o20	o21	o23
75	3"	PN-Nr.	o20	o23	o23	o24
125	5"	PN-Nr.	o21	o24	o24	o25
175	7"	PN-Nr.	o22	o25	o25	-



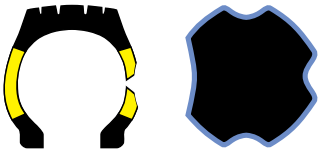
● Nicht reparierbare Zone
Non repairable area
Zone non réparable
Zona no reparable

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

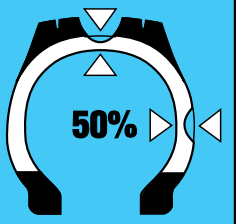
C max. mm	C max. inch	PR PLY RATING	-4	6 - 8	10 - 12	14 - 16	18 - 20	22 - 24	-12	14 - 18	20 - 24
10	3/8"	PN-Nr.	o2	o2	o3	o3	o4	o4	o2	o3	o3
15	1/2"	PN-Nr.	o3	o3	o4	o4	o5	o5	o2	o3	o4
25	1"	PN-Nr.	o3	o4	o5	o6	o6	o6	o3	o4	o5
35	1 3/8"	PN-Nr.	o4	o4	o5	o6	o7	o7	o3	o4	o5
50	2"	PN-Nr.	o5	o5	o6	o7	o8	o8	o5	o5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



PN o2 - o10



PN o5 S - o10 S
S = Seitenwand - Sidewall - Flanc - Fianco - Flanco



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

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

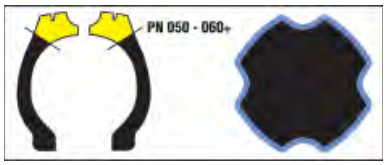
Ref.-No.	Description	
513 1015	Patch template	for PN 03
513 1022	Patch template	for PN 04
513 1039	Patch template	for PN 05
513 1046	Patch template	for PN 06
513 1053	Patch template	for PN 07
513 1060	Patch template	for PN 08
513 1186	Patch template	for PN 09

Repair Products for Tyres

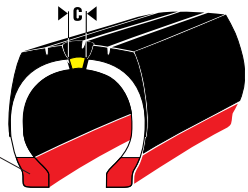
PN DIAGONAL OTR OEM

■ **CROSS-PLY Repair Patches Series PN-OTR**

Tread and Shoulder Injuries, Section Repairs

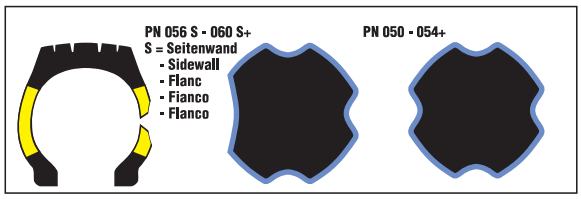


Nicht reparierbare Zone
Non repairable area
Zone non réparable
Zona no reparable

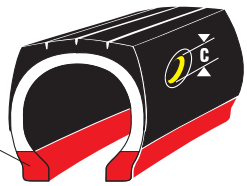


C max. mm	C max. inch	PR PLY RATING	10-14	16-20	22-26	28-32	34-38	40-44	46-50	52-58	60-
15	1/2	PN-Nr.	050	050	050	050	050+	050+	050+	050+	050+
25	1	PN-Nr.	050	050	050	050+	050+	050+	050+	052	052
50	2	PN-Nr.	050	050	050	050+	052	052	052	054	054
75	3	PN-Nr.	050	050+	052	052	052	052+	054	054+	056
100	4	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



C 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+	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+

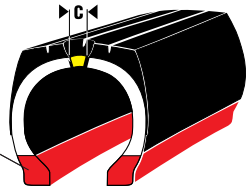
This is the repair chart valid at the moment of printing (Ref.-No. 581 0080).
Always refer to the repair chart and safety advice packed with the product!

Repair Products for Tyres

■ **CROSS-PLY Repair Patches Series PN-OTR**

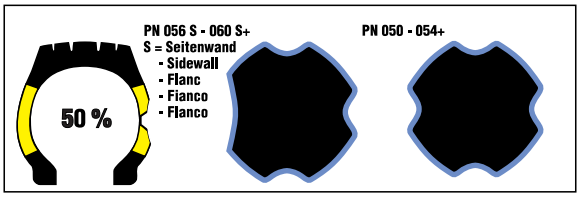
Non penetrating injury (up to 50 %) to tread or shoulder (reinforcement repairs)

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

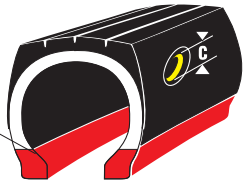


C max. mm	C max. inch	PR PLY RATING	10-14	16-20	22-26	28-32	34-38	40-44	46-50	52-58	60-
50	2	PN-Nr.	050	050	050	050+	052	052	052+	052+	052+
100	4	PN-Nr.	050	050	052	052	052+	052+	054	054+	054+
150	6	PN-Nr.	052	052	054	054	054	054	054+	054+	056+
200	8	PN-Nr.	-	054	054	054	054	056	056	056+	058+
250	10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

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

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

515 9224

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 9004

Repair Products for Tyres

517 3523, 517 3509

516 1164

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*

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*

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*

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*

Ref.-No.	Description
516 1016	MTR RUBBER rope for extruder, approx. 5 kg

Diameter (mm)	*8*

Ref.-No.	Description
516 1164	MTR RUBBER rope for extruder, approx. 12 kg

Diameter (mm)	*8*

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

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

	Radial								Cross-ply
Thermopress	Tread				Sidewall		Shoulder		
Repair Patch No.	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

Weight (kg)	*2*
Dimensions, height x width x length (mm)	*3 x 20 x 5500*
Contents	*5 rolls*

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

Weight (kg)	*5*
Diameter (mm)	*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

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

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

Weight (kg)	*5*
Diameter (mm)	*8*

Repair Products for Tyres

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

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

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

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

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*

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

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

Ref.-No.	Description
517 3987	Pressure plate

Dimensions, length x width (mm)	*210 x 140*
suitable for	*ECONOMY, PNEUMATIC*
Field of application:	*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.

Dimensions, length x width (mm)	*500 x 200*
Electric power supply (V, W)	*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.

Rope length, max. (m)	*2*

Accessories:

517 3042	Suspension device for balancer

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.

Dimensions, width x depth x height (mm)	*760 x 700 x 1230*
Weight (kg)	*approx. 60*

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.

Electric power supply (V, W)	*230, 650*
Curing temperature control	*Thermostat*
Curing time control	*Adjustable time-switch*
Curing temperature (°C)	*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)

Operating pressure (bar)	*5*
Dimensions, width x depth x height (mm)	*1120 x 1000 x 980*
Curing temperature control	*Thermostat*
Curing time control	*Adjustable time-switch*
Curing temperature (°C)	*approx. 150*
Weight (kg)	*approx. 350*
Design	*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

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

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	***pneumatic***
Voltage (V)	***230***
Operating pressure (bar)	***4-8***
Pressing power (t)	***approx. 3***
Curing temperature (°C)	***approx. 150***

Accessories:

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

517 7701

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

Vulcanizing Machines and Accessories

517 5002

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	*electrohydraulic*
Voltage (V)	*230*
Operating pressure (bar)	*160*
Curing temperature (°C)	*approx. 150*

517 4993

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	*electrohydraulic*
Voltage (V)	*230*
Operating pressure (bar)	*160*
Curing temperature (°C)	*approx. 150*

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

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

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.

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

517 7811

Vulcanizing Machines and Accessories

517 3554

■ 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.

Tyre size, max. (inches)	*29.5-29*
Lifting power (kg)	*approx. 800*

517 4254

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

Tyre size, max. (inches)	*29.5-29*
Lifting power (kg)	*approx. 800*
Voltage (V)	*230*

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

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

3

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Electric power supply (V, W)	*230, 1200*
Quantity processed (kg/h)	*30*
Pressure system	*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

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

517 4955

517 7608

517 7529

517 7550

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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.

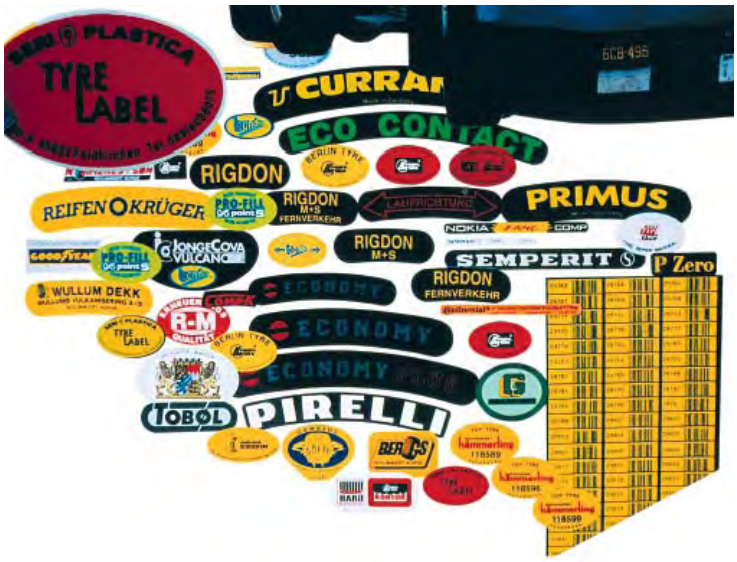
Ref.-No.	Description
519 0977	Branding iron, 1 line

Dimensions, width x height (mm) *70 x 35*

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



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*