

OTR/EM TYRE REPAIR SPECIALIST





THERMOPRESS EM VULCANISERS

Thermopress EM Application Chart
Thermopress EM I
Thermopress EM II
Thermopress EM II Plus
Thermopress EM III
Documentations, Instructions

EM TEMPORARY TYRE REPAIR MATERIAL

EM Sealastic Repair Instructions
EM Sealastic

REPAIR MATERIAL FOR EM TYRES

Repair Units for Radial Tyres
Cements and Solutions
Repair Units for Cross-Ply Tyres
Filler Compound, Cushion Rubber

SPECIAL TOOLS FOR TYRE REPAIR & SERVICE

Temperature Measuring Instruments;
Work Bench Profi; Extruders; Power Tools;
Buffing Motors; Buffing Mediums; Arbours;
Hand Tools; Tyre Spreaders and Mounting Tools;
Bead Breakers; Repair Stand

CUTTING AND REGROOVING SYSTEMS

Rubber Cut 400
Hot Cutter
Tread Depth Gauge

CHEMICAL PRODUCTS

Mounting Lubes and Pastes
Hand Cleaner
Cleaning/Buffing Chemicals

VALVES AND ACCESSORIES

Super Large Bore Valves
Large Bore Valves, 'V'- and 'O'-Rings

REPAIR SHOP EQUIPMENT AND DESIGN

Repair Shop Equipment
Compressors
Checklist for OTR/EM Tyre Repair Shop
Layout of OTR/EM Tyre Repair Shop

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TYPE OF THERMOPRESS EM USED	TYRE SIZE	DIAMETER inch/mm		WIDTH inch/mm		WEIGHT lb/kg	
THERMOPRESS EM 1 517 7701	12.00-24	48,4	1229	13,3	338	298	135
	14.00-24	55,6	1412	14,5	368	444	201
	16.00-25	59,9	1521	17,3	439	705	320
	18.00-25	66,3	1684	20,3	516	972	441
	21.00-25	69,4	1763	23,7	604	636	288
	18.00-33	73,7	1871	19,7	501	861	391
	30.00-33	94,5	2400	33,5	851	1707	774
	15.5-25	49,4	1255	15,5	399	189	186
	17.5-25	55,5	1410	17,9	455	280	127
	20.5-25	61,3	1558	22,8	538	402	182
	23.5-25	65,9	1673	24,6	617	612	278
	26.5-25	70,8	1798	27,7	703	843	382
	29.5-25	75,0	1904	31,7	805	1050	476
	29.5-29	79,6	2023	30,3	770	1182	536
	33.25-35	88,7	2252	34,1	865	1904	864
THERMOPRESS EM 2 517 5002	26.5-25	70,8	1798	27,7	703	843	382
	29.5-29	79,6	2023	30,8	782	2526	1146
	33.5-33	88,6	2251	34,2	869	2988	1355
	33.25-35	90,9	2310	34,9	886	2696	1223
	37.5-39	102,4	2600	40,2	1021	4614	2093
	45/65-45	107,5	2730	45,0	1143	5586	2534
	40/65-39	95,3	2420	42,4	1077	3855	1749
	24.00-49	100,1	2543	27,3	693	1861	844
	27.00-49	106,3	2700	29,6	752	2420	1098
	30.00-51	115,1	2924	34,0	864	3039	1378
THERMOPRESS EM 2 Plus 517 4997	37.5-39	102,4	2600	40,2	1021	4614	2093
	45/65-45	107,5	2730	45,0	1143	5586	2534
	40/65-39	95,3	2420	42,4	1077	3855	1749
	24.00-49	100,1	2543	27,3	693	1861	844
	27.00-49	106,3	2700	29,6	752	2420	1098
	30.00-51	115,1	2924	34,0	864	3039	1378
	37.00-57	135,0	3430	42,1	1069	7240	3196
	40.00-57	140,7	3574	44,5	1130	7663	3476
	48/95R57	163,7	4160	56,2	1430	9000	4082
THERMOPRESS EM 3 517 7804	50/65-51	120,5	3061	54,2	1376	12600	5700
	67.5/60-51	104,9	2665	75,6	1920	13200	5987
	50/80-57	155,3	3944	54,2	1376	9500	4309
	53.5/85-57	159,4	4050	56,7	1440	11841	5371
	54.5/80-57	153,5	3900	58,4	1483	12300	5579
	55/80R57	157,4	4000	55,3	1404	12565	5700
	58/85-57	155,9	3961	55,5	1410	13000	5897
	65/65-57	147	3735	64,6	1641	14846	6734
	55/80R63	154	3913	54,3	1380	10360	4699
	59/80R63	158,6	4030	58,3	1480	11684	5300

The above is a collection of data from the most popular tyre-sizes. Please note that weight, width and diameter are approximate values and may vary according to the type and brand of the tyre being used.

We reserve the right to carry out modifications, which we consider to be technically advantageous.



Ref.No.	Description
517 7701	Thermopress EM I, 230 V, incl. heating plates No. 1 and No. 2

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.

Technical data:

- Pneumatic pressure system
- Operating pressure: approx. 4 - 8 bar max.
- Pressing power: approx. 3 t
- Electronic timer with residual curing time memory 0-99 hours
- Electronic temperature controller with display



Ref. No.	Description
517 5002	Thermopress EM II, incl. heating plates No. 2 and No. 3

Professional repair of OTR/EM tyres on site or in the tyre workshop. Suitable for all radial, cross-ply, tractor or EM tyres up to size 36.00-51. Completely mobile, Thermopress EM II can be moved anywhere in the shop or to any job site. Precision electronics adjust and monitor pressure, temperature and cure time, while reliable loading mechanisms help assure safe operation. Curing temperature is adjustable. Hydraulic pressure system (up to 160 bar (2.275 psi)). Extended cure cycles are possible. Built to handle tyres 17.5 to 36.00 in size, Thermopress EM II requires a 230 V/50/60 Hz power supply.

EM-Heating plates for Thermopress EM-machines: complete with steel body, rubber pressure cushion, heating pocket, heating element

Ref. No.	Description
517 6001	No. 1, approx 230 x 230 mm, for truck, tractor- and terra/tyres
517 6025	No. 2, approx. 330 x 330 mm
517 6032	No. 3, approx. 430 x 430 mm



517 4993



517 5215 - 517 5246

Ref. No.	Description
517 4993	Thermopress EM II Plus, incl. heating plates No. 3 and No. 4

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, EM Thermopress II Plus can be moved anywhere in the shop or to any job site.

Technical Data

Model which replaces the EM II standard machine 517 5002. The EM II Plus machine has a larger frame and a larger undercarriage, which makes the GIANT equipment 517 5727 unnecessary. Electrohydraulic pressure system (up to 160 bar)/2300 psi. Electronic timer with residual curing time memory 0-99 h. Electronic temperature controllers with digital display of actual and desired temperature. Curing temperature up to approx. 150 °C/300 °F. Mains power supply: 230 V/ 1-phase/60 Hz or 230V/3-phase/60 Hz

Heating Plates and Heating Mats for Thermopress EM Machines

Ref. No.	Description
517 6001	EM-heating plate No. 1, approx. 230 x 230 mm, for truck, tractor- and Terra-tyres
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, (for OTR tyres from 30.00-51 onwards or for large repair areas)
517 5215	EM-heating mat No. 1 (black), 190 x 190 mm, 230 V, 350 W
517 5222	EM-heating mat No. 2 (black), 265 x 265 mm, 230 V, 450 W
517 5239	EM-heating mat No. 3 (black), 365 x 365 mm, 230 V, 800 W
517 5246	EM-heating mat No. 4 (black), 450 x 470 mm, 230 V, 1100 W



Ref. No.	Description
517 7804	Thermopress EM III, incl. heating plates No. 3 and No. 4

The largest hot vulcanising machine of the Thermopress EM series, designed for the repair of the currently biggest EM tyres in the world: Suitable for all major radial and cross-ply EM/OTR tyres from 30.00-51 to 55/80 R57 and larger. The completely movable Thermopress EM III requires no permanent mounting. High tech digital instrumentation and electronics assure proper pressure, temperature and cure time. Curing temperature is adjustable; Hydraulic pressure system (adjustable up to 160 bar (2.275 psi). Extended cure cycles are possible.

Technical data:

Main supply:	3 Phase, 230/400 V, 50/60 Hz power supply
Temperature control:	digital-electronic, thermostat with temperature presetting
Curing time control:	digital-electronic timer
Pressure system:	electro-hydraulic

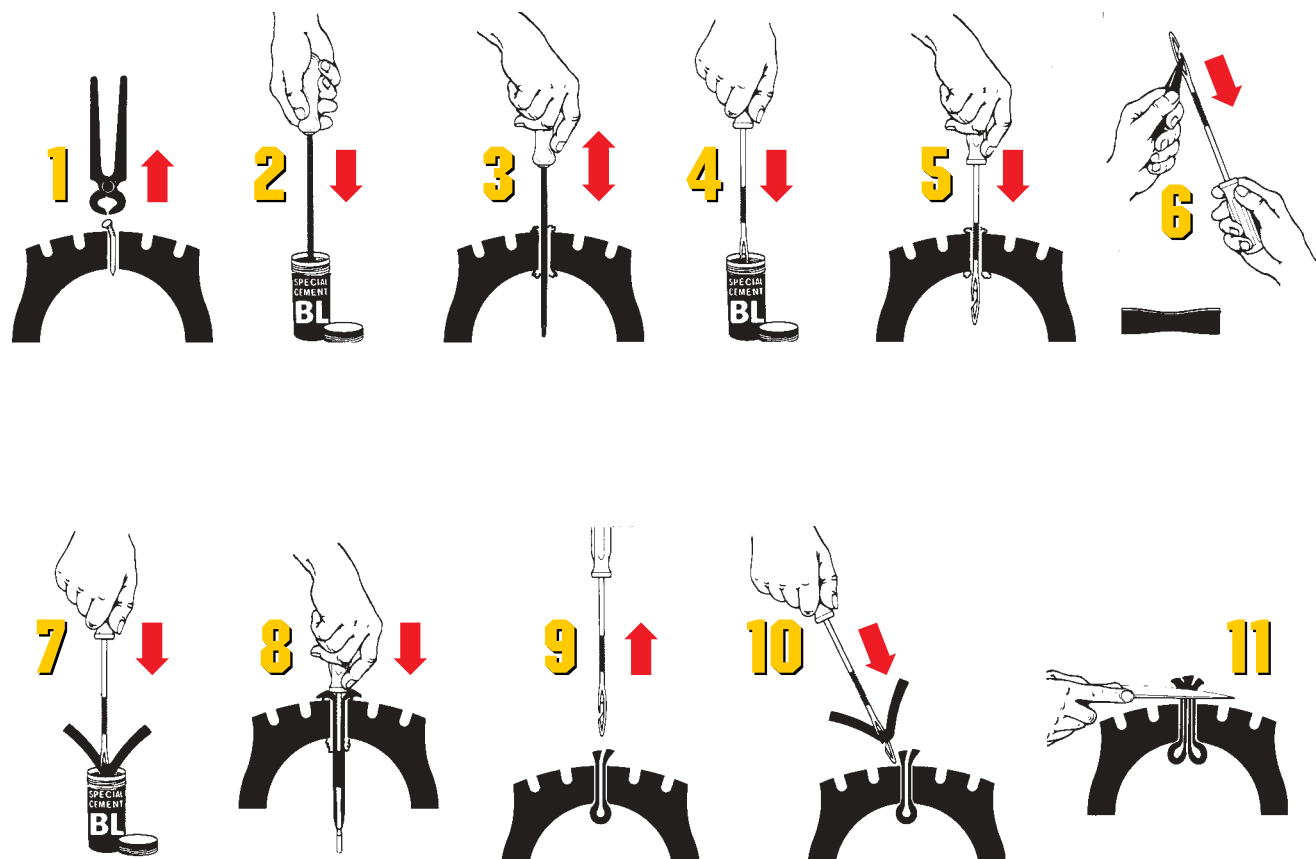
EM-Heating mats for Thermopress EM-machines

Ref. No.	Description
517 5215	Size 1 (black), 190 x 190 mm, 350 W
517 5222	Size 2 (black), 265 x 265 mm, 450 W
517 5239	Size 3 (black), 365 x 365 mm, 800 W
517 5246	Size 4 (black), 450 x 470 mm, 1100 W



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

Ref.No.	Titel	Language	Description	System
583 0521	OTR Application Video	English		PAL
583 0531	OTR Application Video	English		NTSC
583 0571	OTR Package	English	1 Presentation + 1 Application Video	PAL
583 0541	OTR Package	English	1 Presentation + 1 Application Video	NTSC
583 0561	OTR Presentation Video	English		PAL
583 0567	OTR Presentation Video	English		NTSC
583 1061	Vulcstar Presentation Video	English	Long Version	PAL
583 1081	Vulcstar Presentation Video	English	Long Version	NTSC
583 1071	Vulcstar Presentation Video	English	Short Version	PAL
583 1051	Vulcstar Presentation Video	English	Short Version	NTSC
583 0681	OTR Presentation Video CD	English		
583 0691	OTR Application Video CD I	English		
583 0701	OTR Application Video CD II	English		
581 0070	RAD 100 Wallchart	German, English, French, Spanish, Italian		Wallchart
581 0820	RAD 500 Wallchart	German, English, French, Spanish, Italian		Wallchart
581 0080	PN Wallchart OTR	German, English, French, Spanish, Italian		Wallchart
581 0180	OTR - Tyre Repair Instructions	German, English, French, Spanish		Manual



EM Sealastic Repair Instructions

Locate and mark the injury; remove the object which has caused the damage.
Clean the puncture walls with the rat tail rasp.

Determine the size of the injury (15 mm max.), use TIP TOP Patches for larger injuries.

Dip the inserting tool into the Special Cement BL and thoroughly coat the walls of the injury.

Hook the thin middle of the Sealastic repair plug into the inserting tool and dip the repair plug with the inserting tool into the Special Cement BL.

Introduce the inserting tool immediately, without turning it, into the injury so that the repair plug penetrates the tyre section. Use several lugs for larger injuries.

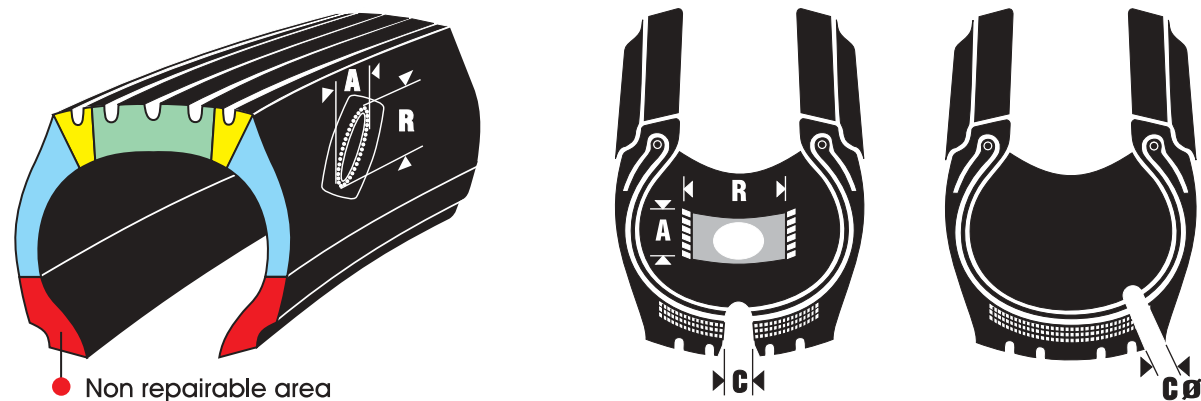
Without turning the inserting tool, pull it out of the injury. Inflate to normal operating pressure and trim the repair plug, without pulling, leaving 1 to 2 mm excess.

Check the repair for air tightness. The tyre is now ready for use.

Caution:
If the object that caused the injury cannot be found or if there is any doubt about the full extent of the injury, we recommend demounting the tyre from the rim, in order to determine the actual damage to the tyre. Before inflating or putting the tyre into operation again, always check for further hidden damage.

For the quick repair of minor injuries on mounted EM - tyres. The EM-Sealastic-Kit contains all tools and repair materials necessary for a temporary repair. For a permanent repair the tyre must be demounted: Use a TIP TOP patch according to the relevant repair chart!

Ref. No.	Description	QTY
Sealastic		
510 1155	EM Sealastic Kit	10 EM repair plugs 2 x 40 g Special Cement BL inserting tool, rat tail rasp 6.5 mm 20 plugs
510 2161	EM Sealastic	
510 2233	Inserting Tool -- EM	
595 8944	Rat tail rasp 6,5 mm (1/4")	
515 9389	Special Cement BL, free of CFC and aromatic compounds	650 g
515 0388	Special Cement BL	1 kg
595 5002	Cutter Ø 10 mm, length 250 mm (3/8")	



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

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OTR RAD PATCHES / RAD Serie 100 OTR

Ref. No.	Description	No. of PLIES	approx. SIZE/mm	QTY
512 1441	RAD 144 TL	4	130 x 335	10
512 1465	RAD 146 TL	4	180 x 440	5
512 1506	RAD 150 TL	5	180 x 580	5
512 1520	RAD 152 TL	5	240 x 580	3
512 1551	RAD 155 TL	5	260 x 330	5
512 1568	RAD 156 TL	7	270 x 720	3
512 1609	RAD 160 TL	7	270 x 860	3
512 1623	RAD 162 TL	7	325 x 1030	1
512 1654	RAD 165 TL	6	330 x 420	3
512 1685	RAD 168 TL	7	350 x 760	1
512 1757	RAD 175 TL	8	450 x 530	3
512 1850	RAD 185 TL	Steel	530 x 730	1



Power Patch RAD 500 steel-reinforced

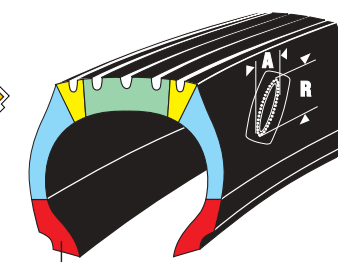
- Special Shape and Design (RAD 541 TL only)
- Sophisticated Patch Construction
- Optimized Weight
- Original Tyre Steelcord
- Air-tight Top Layer
- Optimized Application of the Patch

Power Patch RAD 500 series steel-reinforced repair patches

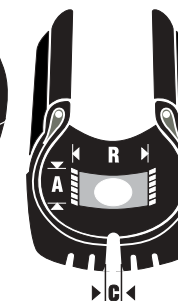
Ref. No.	Description	approx. size/mm	Qty	Patch-template
512 5416	RAD 541TL	125 x 365	10	513 1242
512 5430	RAD 543TL	135 x 445	5	-
512 5454	RAD 545TL	135 x 510	5	-
512 5478	RAD 547TL	145 x 580	5	-
512 5492	RAD 549TL	200 x 580	3	-
512 5519	RAD 551TL	245 x 590	1	-
512 5533	RAD 553TL	245 x 800	1	-
512 5557	RAD 555TL	245 x 915	1	-
512 5571	RAD 557TL	315 x 800	1	-
512 2615	RAD 235TL	130 x 180	10	513 1163
512 2646	RAD 245TL	180 x 440	5	-



product patents pending

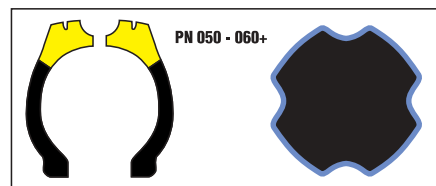


Nicht reparierbare Zone
Non repairable area
Zone non réparable
Zona no reparable



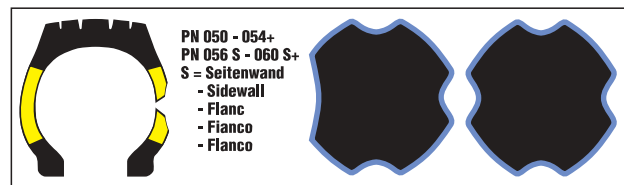
	Standard 100	Serie 95-90	Serie 85-80	Serie 75-70	Serie 65-60	1 max. A x R mm	2 max. G x R mm	3 max. A x R mm	RAD No.	
min LI 178 OTR	13.00 - 16.00	385/- 445/-	15 R - 20 R 445/- 525/-	22/-		25 x 50	20	20 x 20	15	541
						20 x 180	40	40 x 70	20	543
						50 x 100	50	50 x 75	25	545
						30 x 200	60	60 x 90	40	547
						50 x 150	90	90 x 120	55	549
						30 x 250	90	90 x 120	55	551
						60 x 170	15	15 x 15	—	235
						60 x 250	30	30 x 30	—	245
						100 x 180	25	25 x 60	20	543
						125 x 180	45	45 x 60	25	545
	18.00 - 27.00	505/- 575/-	20.5 R - 29.5 545/- 605/-	335/- 735/-	25/- 35/ 660/- 750/-	25 x 100	55	55 x 95	35	547
						25 x 200	100	100 x 130	55	549
						50 x 100	100	100 x 130	60	551
						30 x 250	110	110 x 150	70	553
						55 x 175	110	110 x 175	80	555
						25 x 300	100	100 x 200	80	557
						60 x 230	125	125 x 150	—	245
						100 x 150	60	60 x 60	—	155
						60 x 230	80	80 x 110	—	165
						115 x 150	25	25 x 60	15	545
	38.00 -	33.25 R - 95/-	48.5/-	48/-		25 x 125	50	50 x 80	30	547
						25 x 250	90	90 x 110	45	549
						50 x 150	90	90 x 110	55	551
						20 x 300	110	110 x 150	70	553
						60 x 200	110	110 x 200	80	555
						90 x 150	100	100 x 200	80	557
						60 x 200	40	40 x 40	—	155
						115 x 150	60	60 x 90	—	165
						50 x 400	100	100 x 140	—	175
						75 x 300	150	150 x 220	—	185

This is the repair chart valid at the moment of printing. Always refer to the repair chart and safety advice packed with product!



Tread and Shoulder Repair Chart

max. mm	max. inch	C	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.
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 Repair Chart

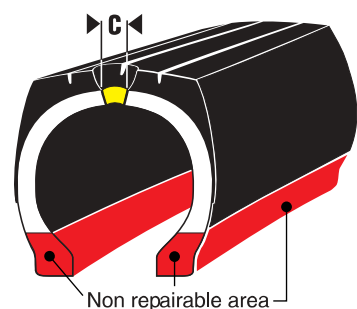
max. mm	max. inch	C	PR PLY RATING	10-14	16-20	22-26	28-32	34-38	40-44	46-50	52-58	60-
				PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.	PN-Nr.
15	1/2		PN-Nr.	050	050	050	050	050+	050+	050+	050+	050+
25	1		PN-Nr.	050	050	050	050+	050+	050+	050+	052	052
50	2		PN-Nr.	050	050	050	050+	052	052	052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

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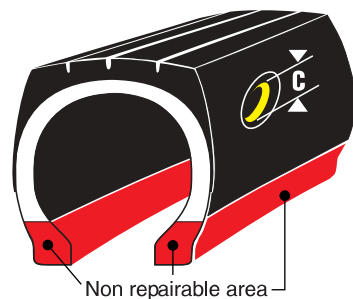
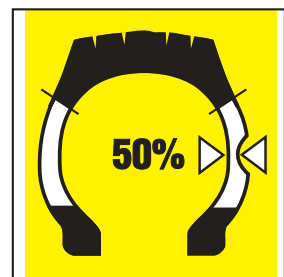
PN-OTR Patches

Ref. No.	Description	No. of PLIES	approx. SIZE/mm	QTY	TREAD and SHOULDER INJURIES	SIDEWALL INJURIES
512 2000	PN 050	4	240	12	✓	✓
512 2017	PN 050+	6	240	10	✓	✓
512 2024	PN 052	6	360	12	✓	✓
512 2031	PN 052+	8	360	10	✓	✓
512 2048	PN 054	8	500	5	✓	✓
512 2055	PN 054+	10	500	5	✓	✓
512 2062	PN 056	10	660	5	✓	✓
512 2079	PN 056+	12	660	5	✓	✓
512 2093	PN 058	12	810	3	✓	✓
512 2103	PN 058+	14	810	3	✓	✓
512 2110	PN 060	14	1010	1	✓	✓
512 2127	PN 060+	16	1010	1	✓	✓
512 2402	PN 056S	10	660	5	✓	✓
512 2419	PN 056S+	12	660	5	✓	✓
512 2433	PN 058S	12	810	3	✓	✓
512 2440	PN 058S+	14	810	3	✓	✓
512 2457	PN 060S	14	1010	1	✓	✓
512 2464	PN 060S+	16	1010	1	✓	✓



Up to 50% Tread and Shoulder Repair Chart

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-
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+



Up to 50% Sidewall Repair Chart

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-
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.
Always refer to the repair chart and safety advice packed with product!



Ref. No.	Description	QTY
515 9004	TIP TOP Innerliner Sealer For sealing porous innerliner and coating excessively buffed repair areas on the tyre inside	650 g
515 9011	Innerliner Sealer free of CFC and aromatic compounds	4 kg
516 1054	Thermopress MTR Solution To be used with TIP TOP Multi-Temperature-Repair rubber compounds.	1 kg
516 1061	Thermopress MTR Solution	6 kg
516 9207	Thermopress MTR Solution free of CFC and aromatic compounds	350 g
515 0546	OTR Cement A heavy duty self curing cement used for patch repair unit application in large off-the-road tyres.	1 kg
515 0553	OTR Cement	6 kg

Please notice the CFC-free TIP TOP products
For further quantities and application please contact your TIP TOP agent!



516 1016
516 1023

516 1250
516 1267
516 1274

517 3509
517 3523



517 7505



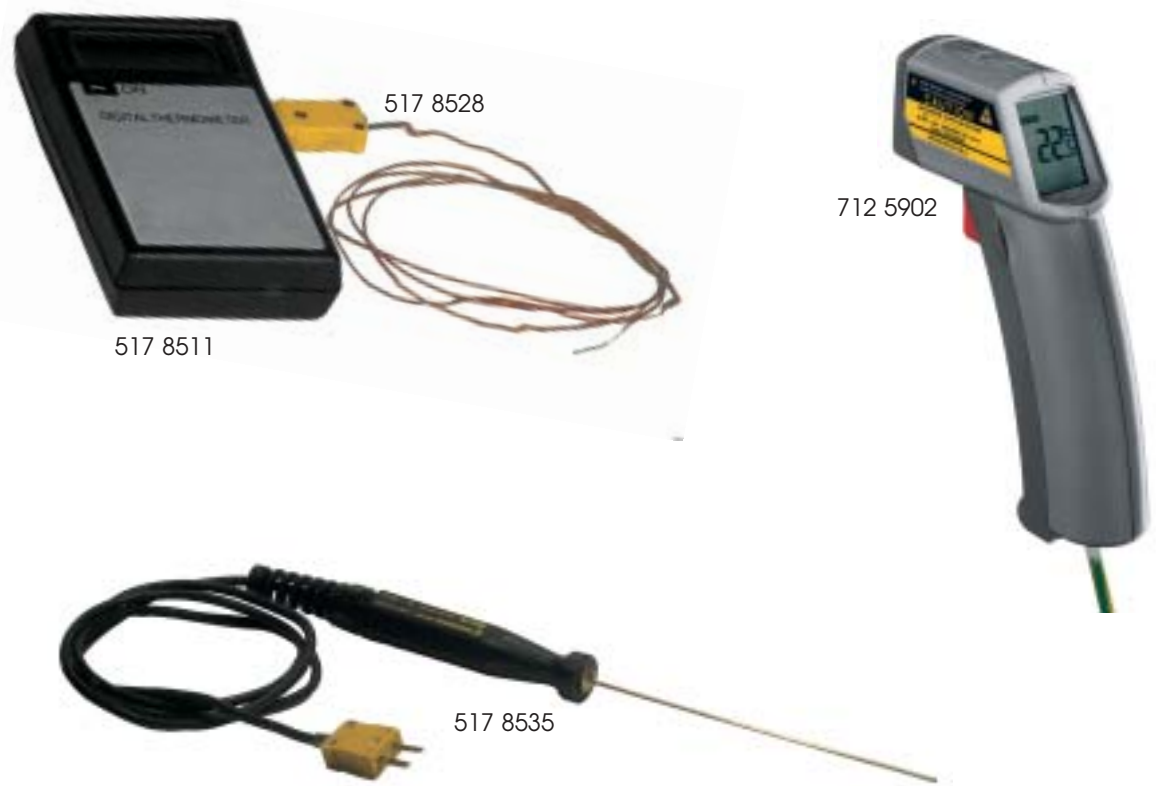
517 7512



517 7529

Ref. No.	Description	QTY
	Thermopress MTR-Rubber Uncured rubber compound for filling skives in all areas of the tyre. Multi-temperature application, suitable for vulcanisation temperatures from 100 °C to 160 °C (212 °F to 320 °F).	
516 1250	Thermopress MTR Rubber	2,5 kg, 1,2 x 250 x 7200
516 1267	Thermopress MTR Rubber	1 kg, 3 rolls: 3 x 30 x 2600
516 1274	Thermopress MTR Rubber	5 kg, 3,0 x 500 x 2600
	Extruder Rope	
516 1016	Thermopress MTR Rope Rubber	5 kg, Ø 8 mm rope for extruder
516 1023	Thermopress MTR Rope Rubber	10 kg, Ø 8 mm rope for extruder
516 0976	Thermopress Super Finish Rubber	10 kg, Ø 8 mm rope for extruder
516 1030	Thermopress MTR-CR (CR = cut resistant)	10 kg, Ø 8 mm rope for extruder
516 1102	Extruder Rope Rubber ER-100	12 kg, Ø 8 mm rope for extruder
	For lamination of TIP TOP repair patches.	
516 1009	Thermopress MTR Cushion Rubber Temperatures from 100 °C to 160 °C (212 °F to 320 °F), especially for open steam autoclaves	5 kg, 1,0 x 500 x 8000
	SV Blue Bonding Rubber Self-vulcanising cushion gum for the lamination of radial and cross-ply repair patches Apply only with TIP TOP Special Cement BL/OTR Cement.	
517 3509	SV Blue Bonding Rubber	5 kg; 0,8 x 500 mm
517 3523	SV Blue Bonding Rubber	2 kg; 0,8 x 170 mm

Ref. No.	Description
	TIP TOP Extruder 'Normal' For quick and easy filling when repairing tyres. The extruders can be used for cushion gum and tread stock qualities; rubber throughput 18 kg/h, weight: 4,3 kg
517 7505	TIP TOP Extruder 'Normal', 230 V, power 550 W (Version 110 V: 517 7495)
	TIP TOP Extruder 'Giant' Suitable for all rubber qualities; rubber throughput 24 kg/h, weight: 5 kg
517 7512	TIP TOP Extruder 'Giant', 230 V, power 550 W (Version 110 V: 517 7488)
	TIP TOP Extruder 'Giant Elektro' For heavy duty performance, independent of air supply; rubber throughput 30 kg/h, weight 12 kg.
517 7529	TIP TOP Extruder 'Giant Elektro', 230 V, electric drive 1200 W (Version 110 V: 517 7691)



Ref. No.	Description
	Digital Thermo Coupler 13 mm LCD-Display for good readability; 2-pole flat plug for quick and easy change of NiCr-Ni-sensors. Temperature range: - 40 °C to 650 °C (- 40 °F to 1200 °F).
517 8511	Digital Thermo Coupler
517 8528	Thermo Coupler wire , approx. length: 1 m, flexible, with connector
517 8535	Sensitive Pin , Ø 3 x 100 mm, with connector
	Radiation Thermometer For measuring moving or electric parts without touching them. The thermometer measures the thermal radiation emitted by the object in question, weight: approx. 350 g, measuring range 0-199 °C, emissivity adjustable from 0.2 to 1.0.
517 8504	Radiation thermometer (not shown on photo), precision measuring instrument, weight: 350 g, measuring range 0-199 °C, emissivity adjustable from 0.2 to 1.0.
712 5902	Infrared thermometer MT4 , handy all-purpose tool



Machines and repair material not included!

Ref. No.	Description
	TIP TOP 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.
517 4508	Work Bench Profi , h x l x w: 2.200 x 1.500 x 750 mm



595 0258



517 2847



518 4309



517 3602



595 0234



860 0581



866 0105



595 4852
595 4876
595 4883

Ref. No.	Description
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Patch Hammer
Operating pressure 6-8 bar (90-114 psi), facilitates the application of large, multi-ply repair patches to truck or passenger car tyres.

517 3602	Pneumatic patch hammer
517 3619	Spare spring for 517 3602
517 3626	Spare tappet for 517 3602
538 1009	Pressure equalizing cloth, makes it easier to handle the patch hammer

Heavy Duty Buffer AIR SUPER
Operating pressure 6-8 bar (90-114 psi).

595 0234	Air Buffer AIR SUPER type PN; Quick release coupling	0-3.600 rpm
595 5583	AIR SUPER air buffer, Type RC (new model) With 11 mm hexagon coupling, 3 m exhaust hose, strong construction	0-3.400 rpm
595 5590	Exhaust hose 3 m, type RC, for 595 5583	

Ref. No.	Description
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Heavy Duty Air Buffer
Operating pressure 6 (up to 8) bar (90-114 psi)

595 0258	Heavy duty air buffer, rear exhaust
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Quick Clamping Chuck

517 3097	Universal quick-clamping chuck with 3/8" thread for changing tools quickly and easily
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Pneumatic Fret Saw
Operating pressure 6 (up to 8) bar (90-114 psi)

517 2847	Pneumatic fret saw
517 2854	10 saw blades

Pneumatic Stapler
Operating pressure 5-6 bar (72-90 psi)

518 4309	Pneumatic stapler
518 4316	staples, 10 mm, QTY: 1.000
518 4323	staples, 16 mm, QTY: 1.000

Ref. No.	Description	rpm
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Electronic Hand Drills

860 0581	Two gear electronic hand drill , heavy duty, right/left, quick fit 1-13 mm, 220/240 V, 1010 W	0-950/0-2400
866 0105	Two gear electronic hand drill , please specify voltage, 650 W, right/left, high-torque of 45 Nm in first gear, specially suitable for OTR/EM repairs	0-450/0-1550

Electronic Fret Saw

595 4852	Electronic fret saw , 220 V, 1000 W
595 4876	5 saw blades , 150 mm
595 4883	5 saw blades , 200 mm



519 0977



558 7195 - 558 7559

TIP TOP SVS-Tyre Label

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). Minimum order quantity: 1000 units

Application:

- Buff the tyre (Liquid Buffer 505 9692).
- Apply vulcanizing solution.
- Let the coat dry.
- Stitch the label on.
- Finished!

558 9076 **SVS Tyre Labels**, (collective reference numbers! Please specify the quantity, size and print required)

558 9083 **Bar-code label**, 50 x 14 mm; with clear line and self-adhesive layer; with cover foil from a minimum quantity of 1000 pcs onwards; consecutive numbering, for the identification of tyres in the autoclave or in the retreading process

Electric Branding Iron

For the hot-marking of tyres; available with the letters A-Z, numbers 0-9, character size 12 mm, 1 line = approx. 7 characters, voltage 230 V, 300 W

519 0977 **Branding Iron**, 1 line dimensions 70 x 35mm

558 7195	Letter A	558 7391	Letter T
558 7205	Letter B	558 7401	Letter U
558 7212	Letter C	558 7418	Letter V
558 7229	Letter D	558 7425	Letter W
558 7236	Letter E	558 7432	Letter X
558 7243	Letter F	558 7449	Letter Y
558 7250	Letter G	558 7456	Letter Z
558 7267	Letter H		
558 7274	Letter I		
558 7281	Letter J	558 7463	Number 1
558 7298	Letter K	558 7470	Number 2
558 7315	Letter L	558 7487	Number 3
558 7322	Letter M	558 7494	Number 4
558 7339	Letter N	558 7504	Number 5
558 7346	Letter O	558 7511	Number 6
558 7353	Letter P	558 7528	Number 7
558 7360	Letter Q	558 7535	Number 8
558 7377	Letter R	558 7542	Number 9
558 7384	Letter S	558 7559	Number 0



Ref. No.	Description	Field of application	Arbour Type Shaft	Shaft for Quick fit arbours	Arbour MK-I for flexible shaft
	Cutter for cross-ply tyres Max. Speed: 1,500 rpm				
511 1468	Cutter 20 mm Ø	✓	F.S. 10 mm		
511 1475	Cutter 25 mm Ø	✓	F.S. 10 mm		
	Rotary gouge Max. Speed: 4,500 rpm				
595 4292	Rotary gouge 50 mm Ø bore 12,4 mm Ø	✓	595 4302—and—519 6689	519 6689	595 4278
595 4326	Mini rotary gouge 30 mm Ø , bore 9,5 mm Ø, 3 pieces	✓	595 4034	and 519 6627	
595 4481	Sharpening fixture for Rotary gouge and Cutter				
595 4498	Replacement stones				
	Rocket Buffing Rasps Max. Speed: 4,500 rpm				
519 6139	Buffing rasp 45 mm Ø, R 5 Standard 1/2" bore	✓	519 6270	519 6641	519 6263
519 6146	Spacers for R 5, 1/2" bore				
519 6249	Buffing rasp 75 mm Ø, R 6 Standard 1/2" bore	✓	519 6270	519 6641	519 6263
519 6256	Spacers for R 6, 1/2" bore				
	Cylindric saw for steelcord tyres Max. Speed: 2,000 rpm				
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, Ø 22 mm				
511 1743	Arbour Hexagone Ø 32/41 mm				



When using Buffing Mediums please always wear safety goggles!



Ref. No.	Description	Field of application	Arbour Type Shaft	Shaft for Quick fit arbours	Arbour MK-I for flexible shaft
	Standard class: Buffing Wheels Max. Speed: 4.500 rpm				
595 8786	50 mm Ø x 3 mm, K 18, lateral	✓	F.S. 6 mm	519 6672	
595 8779	50 mm Ø x 3 mm, K 36, lateral	✓	F.S. 6 mm	519 6672	
595 8793	50 mm Ø x 3,5 mm, K18, 3/8" thread	✓	595 4034	519 6610	595 4027
595 6001*					
595 8810	50 mm Ø x 5 mm, K18, 3/8" thread	✓	595 4034	519 6610	595 4027
595 6018*					
595 8858	50 mm Ø x 10 mm, K18, 3/8" thread	✓	595 4034	519 6610	595 4027
595 6049*					
595 4388	50 mm Ø x 13 mm, K18, 3/8" thread	✓	595 4034	519 6610	595 4027
595 4395	50 mm Ø x 13 mm, K36, 3/8" thread	✓	595 4034	519 6610	595 4027
595 8827	50 mm Ø x 19 mm, K18, 3/8" thread	✓	595 4034	519 6610	595 4027
595 8834	76 mm Ø x 19 mm, K18, 14 mm bore	✓	595 4261	519 6634	595 4285
595 8841	102 mm Ø x 19 mm, K18, 14 mm bore	✓	595 4261	519 6634	595 4285
			F.S. = Fixed Shaft		
	Standard class: Dome rasps Max. Speed: 4.500 rpm				
595 8865	50 mm Ø, K 18, 3/8" thread	✓	595 4034	519 6610	595 4027
595 6056*					
595 8975	50 mm Ø, K 36, 3/8" thread	✓	595 4034	519 6610	595 4027
595 4319	65 mm Ø, K 46, H Q, 3/8" bore	✓	595 4034	519 6610	595 4027
595 4223	76 mm Ø, K 18, 14 mm bore	✓	595 4261	519 6634	595 4285
595 6087*					
595 4209	76 mm Ø K 36, 14 mm bore	✓	595 4261	519 6634	595 4285
595 6104*					
595 4247	102 mm Ø, K 18, 14 mm bore	✓	595 4261	519 6634	595 4285
595 6111*					
595 4230	102 mm Ø, K 36, 14 mm bore	✓	519 6634	595 4285	595 4278
595 6094*			595 4261	and 595 4278	

Ref.No. without marking = Standard Quality, B&J Rocket
Ref.No.* = TIP TOP Class – favourably priced quality buffing tools!



Ref. No.	Description	Field of application	Arbour Type Shaft	Shaft for Quick fit arbours	Arbour MK-I for flexible shaft
	Tungsten Milling Tools Max. Speed: 2.500 rpm				
595 4948	Rotary mill cutter 8 mm Ø x 100 mm cutting length 50 mm	✓	F.S. 8 mm	519 6689	
595 4962	Rotary mill cutter 6 mm Ø x 90 mm cutting length 50 mm	✓	F.S. 6 mm	519 6672	
595 5002	Rotary mill cutter 9,5 mm Ø x 250 mm EM-Seal, cutting length 50 mm	✓	F.S. 10 mm		
595 5040	Rotary mill cutter 12 mm Ø x 110 mm cutting length 50 mm	✓	F.S. 10 mm	519 6593	
595 5033	Rotary mill cutter 17 mm Ø x 140 mm cutting length 60 mm	✓	F.S. 13 mm		
595 5026	Rotary mill cutter 22 mm Ø x 135 mm cutting length 60 mm	✓	F.S. 13 mm		
	Max. Speed: 25.000 rpm				
595 4900	3 mm Ø x 60 mm cutting length 25 mm, pointed	✓	F.S. 3 mm	519 6782	
595 4924	6 mm Ø x 65 mm cutting length 25 mm, pointed	✓	F.S. 6 mm	519 6672	
595 4931	6 mm Ø x 65 mm	✓	F.S. 6 mm	519 6672	
595 4955	Ballshaped carbide burr 6 x 20 mm Ø cutting length 25 mm, blunt end	✓	F.S. 6 mm	519 6672	
	Standard class: Chip Cones Max. Speed: 4.500 rpm		F.S. = Fixed Shaft		
595 0739	Chip cone, K 18 25 mm Ø x 102 mm; 3/8" Ø thread	✓	595 4034	519 6610	595 4027
595 8982	Pointed chip cone, K 36 25 mm Ø x 102 mm; 3/8" Ø thread	✓	595 4034	519 6610	595 4027
595 0746	Rounded tungsten carbide, K 18 10 mm Ø x 38 mm; 3/8" Ø thread	✓	595 4034	519 6610	595 4027
595 8872	Pointed chip cone, K 18 25 mm Ø x 50 mm; 3/8" Ø thread	✓	595 4034	519 6610	595 4027
	Standard class: Pencil buffers				
595 8951	8 mm Ø x 170 mm, K 36	✓	F.S. 8 mm		595 4278
595 8968	8 mm Ø x 170 mm, K 18	✓	F.S. 8 mm		595 4278
	Standard class: Chip ball				
595 8920	20 mm Ø x 55 mm K 18	✓	F.S.6 mm	519 6672	595 0519



Ref. No.	Description	Field of application	Arbour Type Shaft	Shaft for Quick fit arbours	Arbour MK-I for flexible shaft
	Buffing and grinding tools Max. Speed: 4.500 rpm				
595 4168	Wire brush , 76 mm Ø x 7 mm, embedded, 14 mm bore	✓	595 4261	519 6634	595 4285
595 4175	Contour wire brush , 76 mm Ø x 20 mm, embedded 14 mm bore	✓	595 0533	519 6665	595 4285
595 0722	55 mm Ø x 8 mm , cylindrical	✓	F.S. 6 mm	519 6672	
595 0076	Rotary wire brush , 60 mm Ø x 20mm	✓	F.S. 6 mm	519 6672	
595 0571	Rotary wire brush , 80 mm Ø x 25mm, cylindrical, bore 16 mm	✓	595 0540 –and–	519 6689	595 0502
595 0564	Rotary wire brush , 100 mm Ø x 25mm, cylindrical, bore 16 mm	✓	595 0540 –and–	519 6689	595 0502
595 4560	Brush 8 mm Ø x 25 mm , cylindrical, for smallest damages	✓	F.S. 6 mm	519 6672	
	Finish buffers Max. Speed: 2.800 rpm				
595 5552	ES 75 Finish-Buffer kit 1 x support 75 mm x 30 mm 5 x buffing band 75 x 30 mm/K 60	✓	F.S. 8 mm	519 6689	
595 5569	Spare buffing band 75 x 30 mm/K 60				
595 4072	Spare buffing band 75 x 30 mm/K 40				



Ref. No.	Description	Field of application	Arbour Type Shaft	Shaft for Quick fit arbours	Arbour MK-I for flexible shaft
	Stones for steel/textile preparation Max. Speed: 9.000 rpm				
595 0667	Flat grinding disk 76 mm Ø x 7 mm, 16 mm bore	✓	595 0674 — and —	519 6689	595 4278
595 4766	Cutting disk 75 mm Ø x 5 mm, 16 mm bore	✓	595 0674 — and —	519 6689	595 4278
	Max Speed: 25.000 rpm				
595 0650	Cutting disk , 40 mm Ø x 10 mm	✓	F.S. 6 mm	519 6672	
595 4773	Grinding stone , 16 mm Ø x 40 mm	✓	F.S. 6 mm	519 6672	
595 4780	Cutting disk , 25 mm Ø x 4 mm	✓	F.S. 6 mm	519 6672	
595 4412	Round stone , 32 mm Ø x 6 mm	✓	F.S. 6 mm	519 6672	
595 0629	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 0791	Grinding cone , Ø 7 x 25 mm	✓	F.S. 6 mm	519 6672	
595 0681	Ball stone , 20 mm Ø	✓	F.S. 6 mm	519 6672	
	Stones for textile preparation Max Speed: 4.500 rpm				
595 0117	Flat grinding wheel , Ø 60 mm	✓	595 0100	519 6672	
595 0588	Flat top soft stone 90 mm Ø x 30 mm	✓	595 0540 — and —	519 6689	595 0502
595 0595	Crowned top soft stone 90 mm Ø x 30 mm	✓	595 0540 — and —	519 6689	595 0502
595 0605	Ball grinder with tread M12 , 60 mm Ø	✓	595 0557 — and —	519 668	595 0526
595 0083	Golf mussel stone , 38 mm Ø	✓	F.S. 6 mm	519 6672	



Ref. No.	Description	suitable for
Tool holders with 6 and 8 mm shaft		
595 0100	Arbour with 6 mm shaft	grinding wheel 595 0117
595 4034	Arbour with 8 mm shaft, 3/8" threaded	grinding tools with 3/8" thread
595 4302	Arbour with 8 mm shaft, 3/8" threaded + nut	rotary gouge 595 4292
595 0533	Arbour with 8 mm shaft, 14 mm threaded + nut	rotary wire brush 595 4175
595 0540	Arbour with 8 mm shaft	rotary wire brush 595 0571, 595 0564
595 0557	Arbour with 8 mm shaft	soft stones 595 0588, 595 0595
595 0674	Arbour with 8 mm shaft	ball grinder 595 0605
595 4261	Arbour with 8 mm shaft, with 14 mm attachment for contour wheels	flat grinding disk 595 0667
		all grinding tools with 14 mm bore
Tool holder MK 1 for flexible shaft		
595 0519	Arbour 6 mm female collet type	all tools with 6 mm shaft
595 4278	Arbour 8 mm female collet type	all tools with 8 mm shaft
595 4027	Standard chip arbour, 3/8"	buffing tools with 3/8" bore, 3/8" thread
595 0526	Arbour with MK 1	ball grinder 595 0605
595 0502	Arbour with MK 1	rotary wire brush 595 0571, 595 0564
		soft stones 595 0588, 595 0595
595 4285	MK 1, Arbour 14 mm + 2 nuts	all grinding tools with 14 mm bore
519 6263	Arbour MK 1	rocket blades R 5, R 6
595 4010	Arbour MK 1 type with 3/8" thread	quick fit chuck
519 6603	Quick-release coupling, 3/8"	all hexagone quick fit chucks



Ref. No.	Description	suitable for
Quick-release Coupling and Adaptors		
519 6603	Quick-release coupling, 3/8"	arbour MK 1 type with 3/8" thread, 595 4010
519 6782	Adapter 3 mm bore, female	router 595 4917
519 6672	Adapter 6 mm bore, female	all tools with 6 mm shaft
519 6689	Adapter 8 mm bore, female	all tools with 8 mm shaft
519 6593	Adapter 10 mm bore, female	carbide mill cutter 511 1619
519 6610	Adapter NV, 3/8" -24, 12 mm	rotary mill cutter 595 4979
519 6627	Adapter NV, 3/8" -24L, 21 mm	chip rasps + contour wheels 50 mm Ø 'Standard', cone rasp 30 mm Ø
519 6634	Adapter M14, 14 mm + nut 11 mm	rotary wire brush 595 4522
		chip rasp 50 mm Ø
		rotary gouge 30 mm Ø
		contour wheels and chip rasps 76 mm Ø + 102 mm Ø
		grinding wheels
		rotary wire brush 595 4168
519 6641	Adapter R 5, 16 mm + nut	rocket blades R 5, R 6
519 6665	Poly/wire arbour 14 mm + nut	contour wire brush 595 4175



Ref. No.	Description
595 0801	Side cutter for steelcord
595 1178	Cleaning of repair area
595 4515	Rubber scraper
595 4553	Rubber scraper for innerliner
595 0069	Brass bristled Brush
595 0069	Steel brush
595 0186	Brushes
595 8308	The thickness of the brush and the hardness of its bristles have a decisive influence on the quality of the coats on the skive, on the inner liner and on the repair patch.
595 4474	Brush no. 10, for coats on EM/OTR tyres
595 9307	Brush for skive, inner liner and repair patches
595 4474	Brush cleaning device, container approx. 22 x 6 cm Ø, with grid
595 9307	Special brush for BLx paste

Ref. No.	Description
595 0045	Wax Marking Chalk
595 0052	Rubber marking pen
595 0124	Patch marking pen
595 0148	Yellow wax marking chalk
595 0131	White wax marking chalk
595 0203	White SISA marking chalk
595 0227	Yellow SISA marking chalk
595 8401	Marking chalk holder SISA
595 8418	White marking chalk TIP TOP
595 8425	Yellow marking chalk TIP TOP
595 8432	Chalk holder TIP TOP
595 8449	Marking Chalk, yellow, 10 mm Ø
595 8449	Marking Chalk, white, 10 mm Ø
519 7200	Vulcaniser Working Gloves
519 7200	Vulcaniser's working gloves
595 8937	Rasps
595 8944	Small hand rasp, 4,5 mm Ø
595 8944	Rat tail rasp, 6,5 mm Ø

Ref. No.	Description
595 2074	Rubber and Skive knives
595 2067	Skive Knife, 5", 125 mm
595 2050	Rubber Knife, 6", 145 mm
595 2184	Rubber Knife, 8", 200 mm
595 2191	Rubber Knife, 10", 250 mm
595 2177	Rubber Knife, 12", 310 mm
595 2139	Knife „Don Carlos“, 8", 200 mm
595 2108	Offset flexible Knife
519 7059	Scratch Knife
519 7073	Overflow cutter
595 2287	Overflow Cutter, blade not exchangeable
595 2304	Scissors, 200 mm, 8"
595 2153	Scissors, 255 mm, 10"
595 2160	Wetstone (wooden handle)
595 2160	Steel sharpener

Ref. No.	Description
595 1013	Stitcher
595 1020	Small Wheel Stitcher, 13 mm
596 1027	Small Patch Stitcher, 25 mm
595 1044	Patch Stitcher, 4 mm
595 1123	Stitcher with ball bearing, 4 mm
595 1123	Stitcher, 12 mm
595 1147	Needle Sticher
595 1154	Needle Sticher, 27 mm
595 1154	Needle Sticher, 46 mm
873 4505	Safety goggles
873 4505	Safety goggles



519 9222



595 3004



837 2431
837 2455
837 2280



519 6933
519 9136

Ref. No.	Description	Weight	Spreading range
519 9222	EM tyre spreader	8 kg (18 pounds)	100 – 600 mm
595 3004	TIP TOP Working light, 230 V		
	Sledgehammer		
837 2431	Sledgehammer	2 kg	
837 2455	Sledgehammer	4 kg	
837 2280	Sledgehammer	8 kg	
	Tyre Lever		
519 9136	Tyre lever TL 100, length: 762 mm		
519 6933	Tyre lever Sayam, length: 950 mm		



595 1264
595 1271

595 1350



595 0409



595 0416



595 0485



595 0492

Ref. No. Description

Special Buffing motors

Modern, user-orientated motor technology, equipped with safety switch for improved safety.

- powerful
- with included adapter also suitable for flexible shafts W 12 and W 15

595 1264 **Buffing motor**, 220/240 V, 1100 W/1,5 BHP, 1400 rpm, for W 12/W 15

595 1271 **Buffing motor**, 220/240 V, 1100 W/1,5 BHP, 2800 rpm, for W 12/W 15

595 1381 **Mobile stand universal**, also suitable for VARIO SPEED

Low level gravity center enables a stable standing.

Flexible Shaft

595 0409 **Flexible shaft with handpiece**, metal cover, W 12

595 0485 **Flexible shaft with handpiece**, rubber cover, W 12

595 0416 **Flexible shaft with handpiece**, metal cover, W 15

595 0492 **Flexible shaft with handpiece**, rubber cover, W 15

Buffing motor VARIO SPEED

Buffing motor with speed variation ranging from 1800 – 4500 rpm.

Equipped with safety switch for maximum safety, low noise belt drive.

Also suitable for flexible shafts W 15 by using the adapter Vario 595 1374

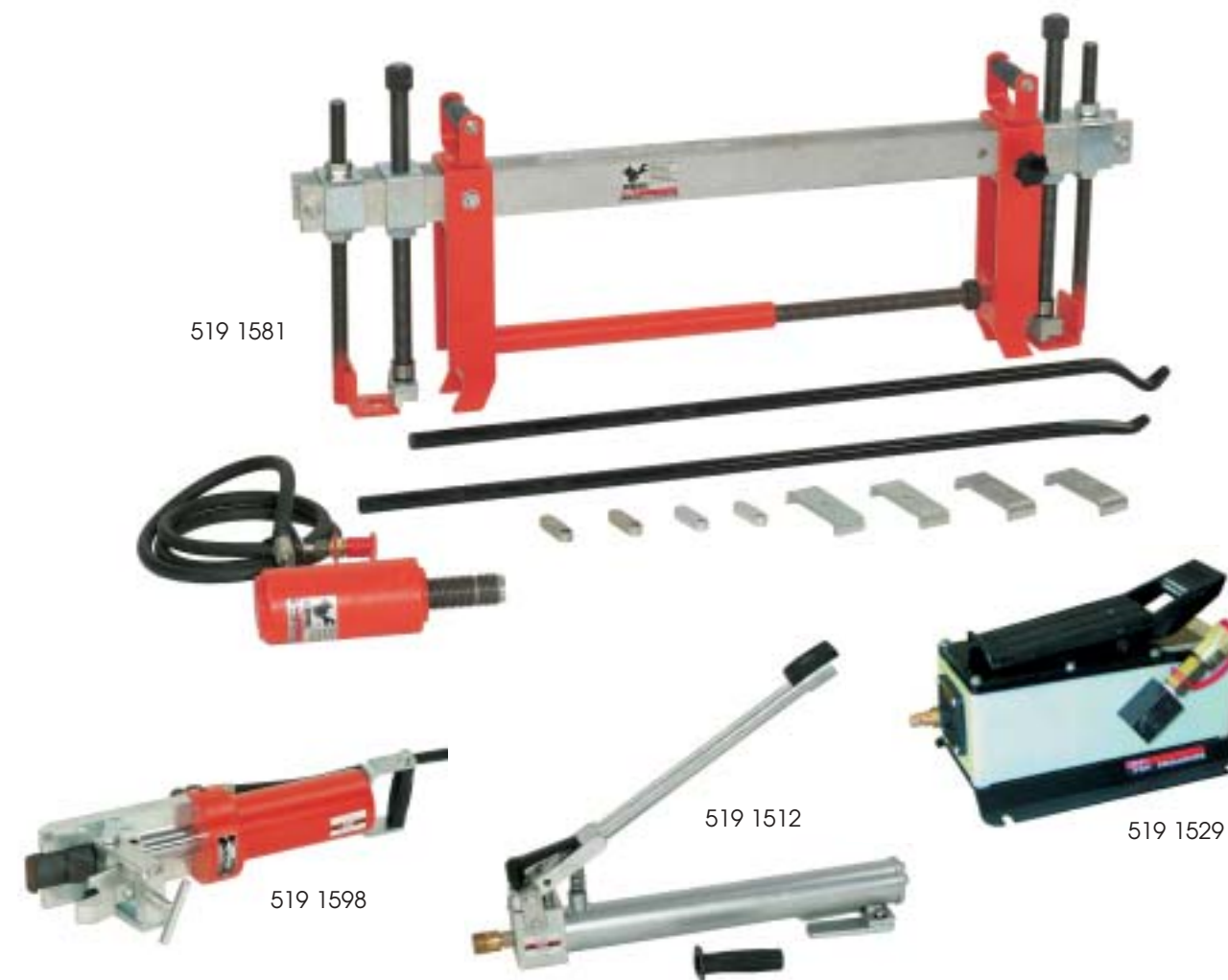
595 1350 **Buffing motor VARIO SPEED**, 220/240 V – 50 cycles, 7 A, 1,1 KW

595 1374 **Adapter Vario from W 12 to W 15**

595 1295 **Adapter from W 15 (motor) to W 12**



Ref. No.	Description
Bead Breakers	
519 1725	GIGANT I; EM bead breaker, from 23" to 49" Including removing hook for narrow mounting grooves Maximum pressure 700 bar/10.000 psi (with the use of the pump 519 1691) Weight: approx. 30 kg/65 pounds
558 6574	Adapter hose 700 bar/500 bar For the use of GIGANT I with standard pumps 519 1529 or 519 1512 (max.500 bar)
519 1677	GIGANT II EM bead breaker, from 51" to 63" Including counter-support 51", With double removing hook, for use on balancer/suspension arrangement Maximum pressure 700 bar/10.000 psi(with the use of the pump 519 1691)
Accessories/Option	
519 1684	Carrier for GIGANT II , for moving GIGANT II, the pump and the accessories
519 1691	Pump for GIGANT I/II , 700 bar
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 , narrow version, ø 6,5 mm, suitable for EM-STANDARD and EM-GIGANT I beadbreaker



Ref. No.	Description
519 1512	Hydraulic pump for hand/foot operation
519 1529	Pneumatic pump
519 1598	TIP TOP EM Bead Breaker (without pump) This EM bead breaker for all EM tyres on five-piece rims. Not damaging the beads, as the enormous force of max. 16.000 kg (35.270 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.
519 1581	EM mounting set in wooden case for EM rims up to 36" Base frame with 2 threaded spindles and claws, 440 mm long; 2 threaded spindles with elbow, 400 mm; 2 tyre levers; 1 spanner size 36"; 1 special bead breaking cylinder for on-vehicle inside bead breaking
519 1550	Additional accessory for the EM mounting set: for EM-rims from 39"-51" 1 frame extension, 1 spindle extension, 1 nut M 24, 2 nut M 12, 2 screws M 12 x 80



Ref. No.	Description
517 3554	Thermopress EM Tyre Repair Stand, hand crank Designed for easy handling of EM tyres up to 29.5-29 in size. Specially geared hand crank adjusts the working height of the tyre, while the roller bars allow easy rotation, providing total access from either side of the tyre. And because the tyre hangs by the roller bars, the chance of bead area damage is eliminated and the tyre is not distorted, permitting a correct and reliable fit of the repair unit. Built on high impact casters for convenient movement throughout the shop, the EM Tyre Repair Stand can lift up to 800 kg/1.760 pounds
517 4254	Thermopress EM Tyre Repair Stand with electric engine, 230 V Electrically powered version of 517 3554



Ref. No.	Description
517 7811	Hydraulic Thermopress EM Tyre Repair Stand, 380 V Designed for handling large OTR/EM tyres from 33.25 R 35 to 48/95 R57. Lifting of the tyre by a powerful hydraulic system, roller bars movable. Capacity: 4.500 kg/9900 pounds; weight: 650 kg/1440 pounds



564 1110

Ref. No	Description																																																					
	Rubber Cut 400 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 3-20 mm; prepared for wall-mounting; lockable carrying handle; GS-tested generally recognized safety.																																																					
564 1103	Rubber Cut 400, 110 V																																																					
564 1110	Rubber Cut 400, 220/240 V																																																					
 FIX Regrooving Blade – One extended side for easier location and blade attachment. – reduced risk of injury when the blades are fitted.																																																						
 <table><tr><th colspan="5">Round Blades</th><th colspan="5">Wide Blades (can also be used for TIP TOP Hot Cutter)</th></tr><tr><th></th><th></th><th>Cutting Width mm</th><th>Cutting Depth (max) mm</th><th>Qty.</th><th></th><th></th><th>Cutting Width mm</th><th>Cutting Depth (max) mm</th><th>Qty.</th></tr><tr><td>564 2834</td><td>R Fix 4</td><td>9 - 10</td><td>14</td><td>20</td><td>564 2889</td><td>W Fix 4</td><td>9 - 10</td><td>14</td><td>20</td></tr><tr><td>564 2841</td><td>R Fix 5</td><td>10 - 14</td><td>16</td><td>20</td><td>564 2896</td><td>W Fix 5</td><td>10 - 14</td><td>16</td><td>20</td></tr><tr><td></td><td></td><td></td><td></td><td></td><td>564 2906</td><td>W Fix 6</td><td>17 - 20</td><td>16</td><td>10</td></tr></table>					Round Blades					Wide Blades (can also be used for TIP TOP Hot Cutter)							Cutting Width mm	Cutting Depth (max) mm	Qty.			Cutting Width mm	Cutting Depth (max) mm	Qty.	564 2834	R Fix 4	9 - 10	14	20	564 2889	W Fix 4	9 - 10	14	20	564 2841	R Fix 5	10 - 14	16	20	564 2896	W Fix 5	10 - 14	16	20						564 2906	W Fix 6	17 - 20	16	10
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564 1206
564 1213
564 1251

519 1660

Ref. No.	Description
	HOT CUTTER Facilitates the difficult and tiresome removal of innerliners or patches (fabric or steel reinforced); ergonomic handles, integrated on/off switch, different graduations of power meet every requirement; Delivery includes: transformer with dial switch for setting different graduations of power, additional handle for light truck, truck and EM tyres, allen key for changing handles and blades.
564 1206	HOT CUTTER 230 V
564 1213	HOT CUTTER 130 V
564 1251	HOT Cutter Blade, Type 1, 10 units
	TREAD DEPTH GAUGE OTR/EM Tread Depth Gauge Features magnified readings
519 1660	



593 0601
593 0632
593 0625

593 0649

593 0508

593 0539

593 0591

593 0618

593 0807
593 0814



593 0450

593 2001

593 2025

593 5053

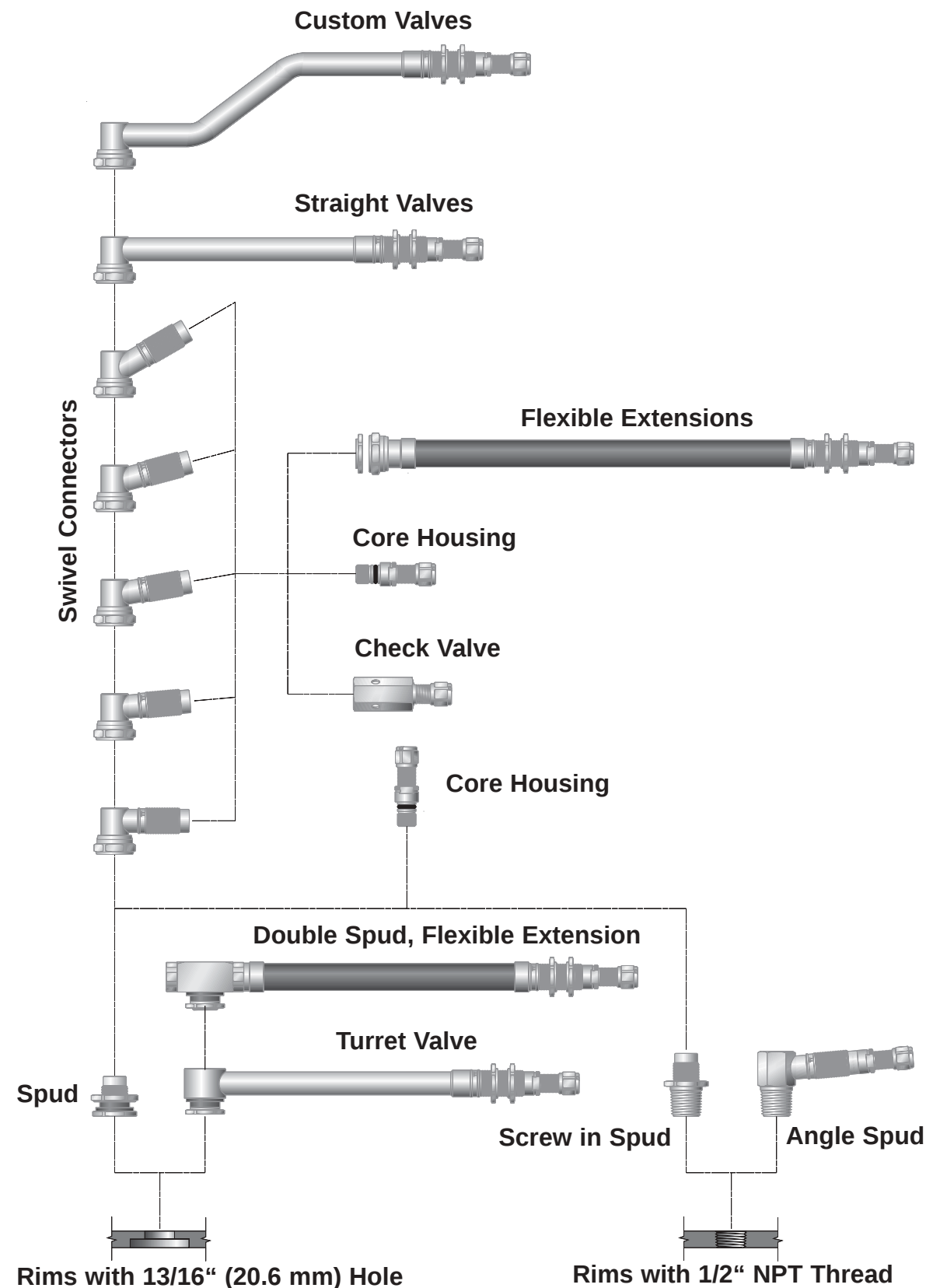
595 8298

595 9132

505 9719
505 9685
505 9692
505 9702

Ref. No.	Description	QTY
	TIP TOP Bead Sealer For sealing bead areas of tubeless tyres which due to their long service life are no longer air-tight.	
593 0807	TIP TOP Bead Sealer	1 l bottle
593 0814	TIP TOP Bead Sealer	5 l can
	Brush Special brush for the application of bead lubricants or mounting pastes	
593 0618	Brush for truck tyres	
	Shaker Talcum Powder asbestos free; i.e. for the mounting of tube tyres	
593 0649	Shaker Talcum Powder	500 g
	UNIVERSAL Tyre Mounting Paste For quick + easy mounting/demounting of all current tyre/rim combinations. Chemically neutral to rubber and metal, does neither freeze nor harden;	
593 0591	UNIVERSAL Mounting Paste with sponge	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
	Mounting Cream W-EM For large EM-tyres; high viscosity, therefore quick application possible.	
593 0539	Mounting Cream W-EM	5 kg bucket
	Tyre Mounting Cream W Less viscous, therefore combination of the features of paste and cream.	
593 0508	Mounting Cream W	5 kg bucket

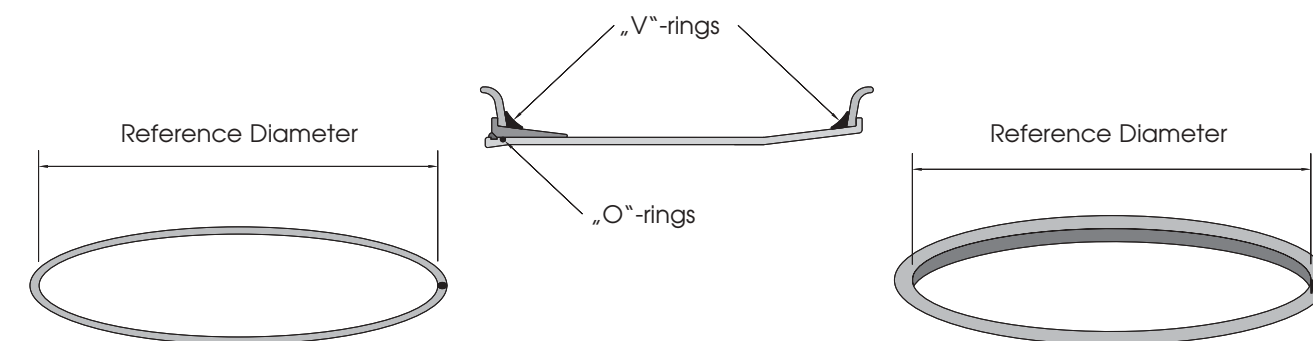
Ref. No.	Description	QTY
	Tyre Colour	
593 5053	Black tyre wash paint	25 kg
	Liquid Buffer Quick and easy cleaning and buffing of tubes. chemical cleaning before buffing.	
505 9685	Liquid Buffer free of CFC and aromatic compounds	250 ml
505 9692	Liquid Buffer Spray free of CFC and aromatic compounds	500 ml
505 9702	Liquid Buffer free of CFC and aromatic compounds	800 ml
505 9719	Liquid Buffer free of CFC and aromatic compounds	5 l
	TIP TOP Cleaning Agent for Brushes	
595 9125	Cleaning Agent CFC-free	800 ml
595 9132	Cleaning Agent CFC-free	5 l
595 8298	Brush Cleaning Tin Universal	1
	HAND CLEANER Hand Cleaner TOP CLEAN. For removing heavy and stubborn dirt from the hands. Cleans with very fine abrasive materials (no sand) and mild ingredients.	
593 2001	Hand Cleaner TOP CLEAN	250 ml dispenser tube
593 2018	Hand Cleaner TOP CLEAN	5 l bucket
593 2025	Hand Cleaner TOP CLEAN	10 l bucket
	Hand Cleaner Soft Contains Lanolin; extremely mild economical (2 g is enough!)	
593 0498	Hand Cleaner Soft	500 ml
593 0450	Hand Cleaner Soft	11 l bucket



FOR THE FULL RANGE OF
 → **LARGE BORE VALVES**
 → **SUPER LARGE BORE VALVES**
 → **ACCESSORIES**
 PROVIDED BY REMA TIP TOP,
 PLEASE CONTACT YOUR LOCAL TIP TOP DEALER



Large Bore Swivel Valves for Tube or Tubeless Tyres



Ref. No.	Description	thickness in mm	inches
High quality compound 'O'-rings for sealing the tyre beads of Graders, Earthmovers and other Off-the-road machinery. All our 'O'-rings and bead seat bands are individually marked for easier identification.			
563 2019	20" 'O' Ring	6.6	0.26
563 2026	24" 'O' Ring	6.6	0.26
563 2033	25" 'O' Ring - thin	6.6	0.26
563 2040	25" 'O' Ring - thick	9.5	0.38
563 2057	29" 'O' Ring	9.5	0.38
563 2064	33" 'O' Ring	9.5	0.38
563 2071	35" 'O' Ring	9.5	0.38
563 2088	39" 'O' Ring	9.5	0.38
563 2095	45" 'O' Ring	9.5	0.38
563 2105	49" 'O' Ring	9.5	0.38
563 2112	51" 'O' Ring	9.5	0.38
563 2129	51" 'O' Ring - extra thick	12.7	0.50
563 2136	57" 'O' Ring	12.7	0.50

Ref. No.	Description
High quality compound 'V'-rings The 'V'-ring seal is designed to ensure an improved air seal where the tyre bead meets the rim and flange. They are of particular benefit to the radial tyres.	
563 2208	20" 'V' Ring
563 2215	24" 'V' Ring
563 2222	25" 'V' Ring
563 2239	29" 'V' Ring
563 2246	33" 'V' Ring
563 2253	35" 'V' Ring
563 2260	39" 'V' Ring
563 2277	45" 'V' Ring
563 2284	49" 'V' Ring
563 2291	51" 'V' Ring
563 2301	57" 'V' Ring



Ref. No.	Description
595 3420	Infra drying hood Infra drying hood, heating area 600 x 600 mm, approx. 1200 W, with connecting cable 2 m; available for 110 V and 220 V (please indicate); for quick drying moist fabric and adhesive coats.
595 3444	Spare infra radiator (heating element)
595 3406	Infra drying hood in V2A-steel
116 5528	Halogen Floodlight, 1500 W
116 5621	Floodlight
127 4725	Replacementglas Bulb 1500 W



Compressors

The decision whether to use a single-step or a two-step compressor depends on the consumer with the highest pressure requirement. Single-step compressor are built up to 10 bar (145 psi), two-step compressors up to 15 bar (217 psi) highest overpressure. For an operating pressure up to 8 bar (114 psi), single-step compressors are sufficient, for higher pressure, two-step compressors are necessary.

Pressure requirements of different tools and machines

Consumer	Air consumption (l/min)	Pressure (bar)	Utilization factor	Pressure requirement
Air buffer				
high speed	100	6 (up to 8)	20%	$100 \times 0,2 = 20 \text{ l/min}$
low speed	90	6 (up to 8)	20%	$90 \times 0,2 = 18 \text{ l/min}$
Repair patch sticher	60	6 (up to 8)	15%	$60 \times 0,15 = 9 \text{ l/min}$
Stapler	60	5 (up to 8)	15%	$60 \times 0,15 = 9 \text{ l/min}$
Impact wrench	110	6 (up to 8)	30%	$110 \times 0,3 = 33 \text{ l/min}$

Requirements may variate between suppliers of the tools.

Example for evaluation of compressor-capacity:

Connected consumers:

- 2 Air buffer low speed (2 x 18 l/min)
- 1 Air Buffer high speed (1 x 20 l/min)
- 1 Repair patch sticher (1 x 9 l/min)
- 1 Pneumatic Stapler (1 x 9 l/min)
- 1 Impact wrench (1 x 33 l/min)

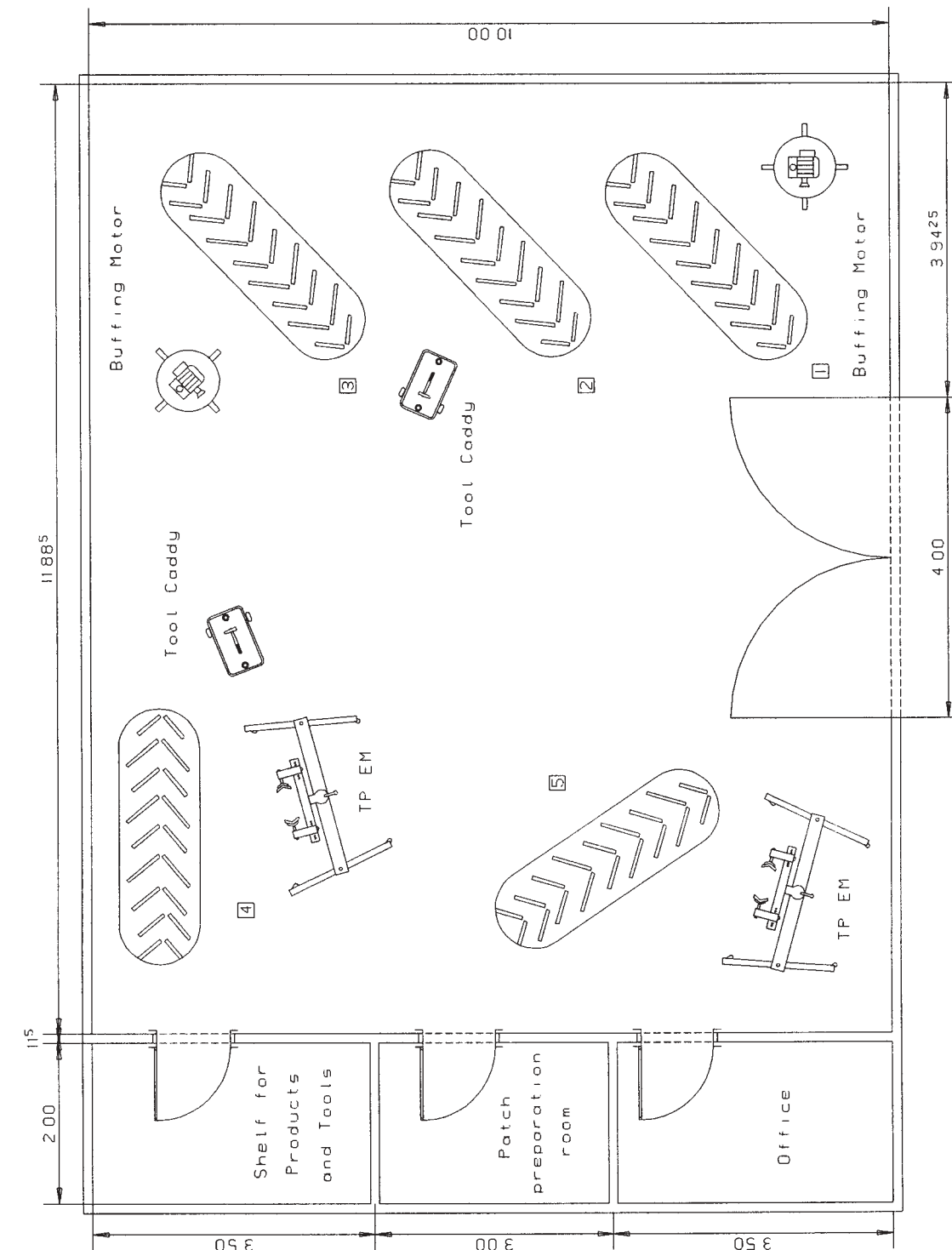
Determination of total pressure requirement: $36 + 20 + 9 + 9 + 33 = 107 \text{ l/min}$
 surcharge for:
 leakage 10% = 11 l/min
 miscalculation 15% = 15 l/min
 reserve 20% = 22 l/min
= 155 l/min

Notice: Compressor capacity needed depends on the number of tools being used at the same time.

We do recommend a compressor capacity of at least 500 l/min

- ✓ A suitable building is essential (see drawing)
- ✓ The main shop entrance should have the following dimensions:
 - Width: 4 m
 - Height: 4,5 m
 - The doors should have two parts or be sliding doors in order to make the tyre handling easier
- ✓ For a better handling of OTR/EM tyres and vulcanising machines, we strongly recommend an even floor
- ✓ It is recommended to keep the compressor outdoors to reduce the noise and to gain space
 - The compressor should be powerful, the compressor capacity should be at least 500 l/min
- ✓ The repair shop must include a small room for patch laminating and cementing to avoid contamination with dirt and rubber dust
- ✓ About ten scotch wedges with the following dimensions are required in order to secure the OTR/EM tyres:
 - Length = 50 mm
 - Width = 30 mm
 - Height = 20 mm
- ✓ The entire repair shop needs to be well illuminated in order to ensure high quality repairs
- ✓ A flip chart is helpful to note curing times, patch sizes, drying time of cement etc.

- ✓ Make sure that there are enough power sockets and air outlets in the different working areas.
- ✓ A repair stand or a fork lift truck with the corresponding lifting power (see chart for tyre weight) is indispensable.
- ✓ A special tyre handling device offered by some companies would be ideal and the OTR/EM tyre could be handled much more accurately
- ✓ Vacuum cleaners and a good ventilation of the repair shop is also recommended in order to ensure a dust free environment
- ✓ In case a THERMOPRESS EM III is used, make sure that a 380 V socket is installed



- ❶ Inspection Area
- ❷ Skiving Area
- ❸ Filling and Cementing
- ❹ Curing and Patch Preparation/Application
- ❺ Curing and Patch Preparation/Application
- ❻ Office

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TIRE REPAIR SPECIALIST

CERTIFICATE

THIS CERTIFICATE IS AWARDED TO

COMPANY NAME

IN RECOGNITION OF THEIR ACHIEVEMENT OF EXCELLENCE
IN OTR TIRE REPAIRING USING QUALITY METHODS AND MATERIALS
SUPPLIED BY REMA TIP TOP



DATE _____

CERTIFICATE VALID UNTIL _____

TRAINER _____ MANAGEMENT _____

REMA TIP TOP TECHNICAL SUPPORT AND TRAINING





CERTIFICATE

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

TIP TOP STAHLGRUBER
Otto Gruber GmbH & Co KG
D - 81675 München

has established and applies a quality system for

- the factories in Poing, Fürstenzell and Dessdorf;
- 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.

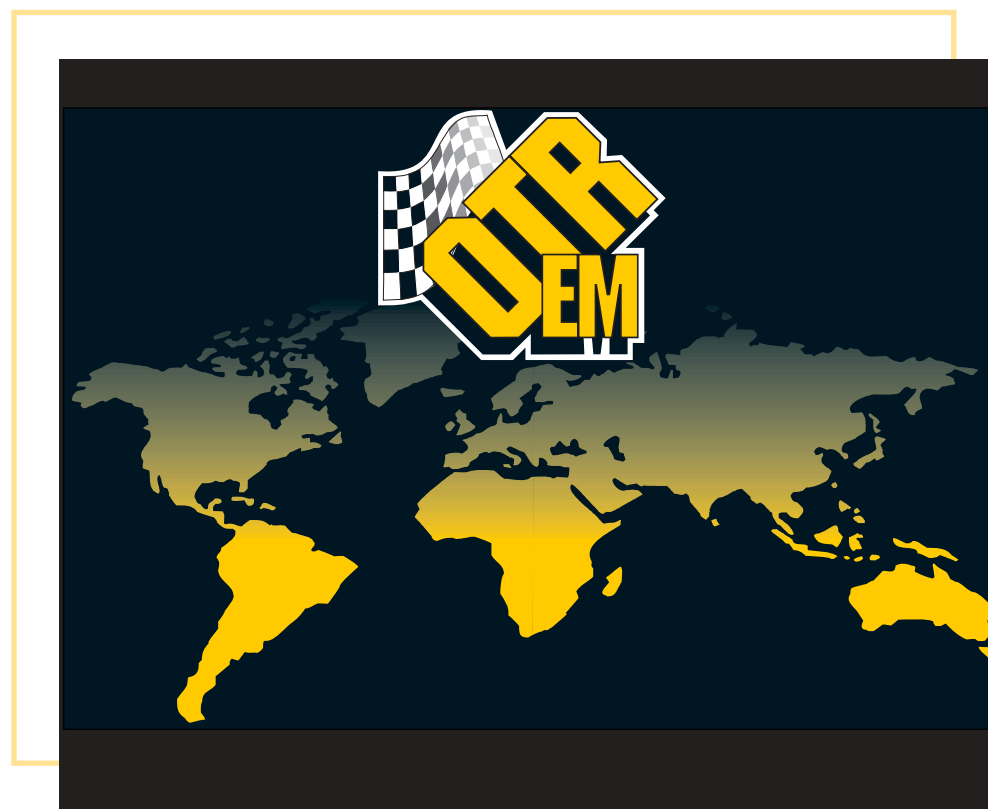
The certificate is valid until **November 2004**
Certificate Registration No. **08 / 100 / 9065 / 4**



Hannover, November 5, 2001



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



WORLDWIDE COMPETENCE
DELIVERY AND SERVICE

581 1861 - II.03



STAHLGRUBER

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