

Repair Material

OTR EM – Tyre Repair Specialists

2010/2011



Automotive





Automotive

NEW CHALLENGES

New challenges move the automotive business as they move **REMA TIP TOP**. Climate protection, international emission standards, finite oil reserves. There is every sign that a change is ahead for the future engineering of motor-vehicles. This change will certainly not take place overnight.

But one thing is for sure: the saving of resources will increase tremendously. Being one of the major specialists for tyre repair from bicycle to **OTR/EM** tyre we at **REMA TIP TOP** will push and support this change in order to ensure the individuals' future mobility with our beneficial innovations.

Competence from a single source – this means to us:

- Pushing innovations in our line of business
- Guaranteeing quality and reliability
- Offering system competence and comprehensive know-how
- Searching constant partnership with automotive and tyre industries and trade
- Being present world-wide

“Drive wherever you like” – this is our slogan. You, our customer, are always the focus of everything we do. Since 1923 you have been right to expect from us quality, safety, environmental friendliness and high efficiency.

We think in the long-term as **REMA TIP TOP** has always done. And this means we want to enhance the notion of “we manage your workshop” and will definitely do so.

ONE BRAND – ONE SOURCE – ONE SYSTEM

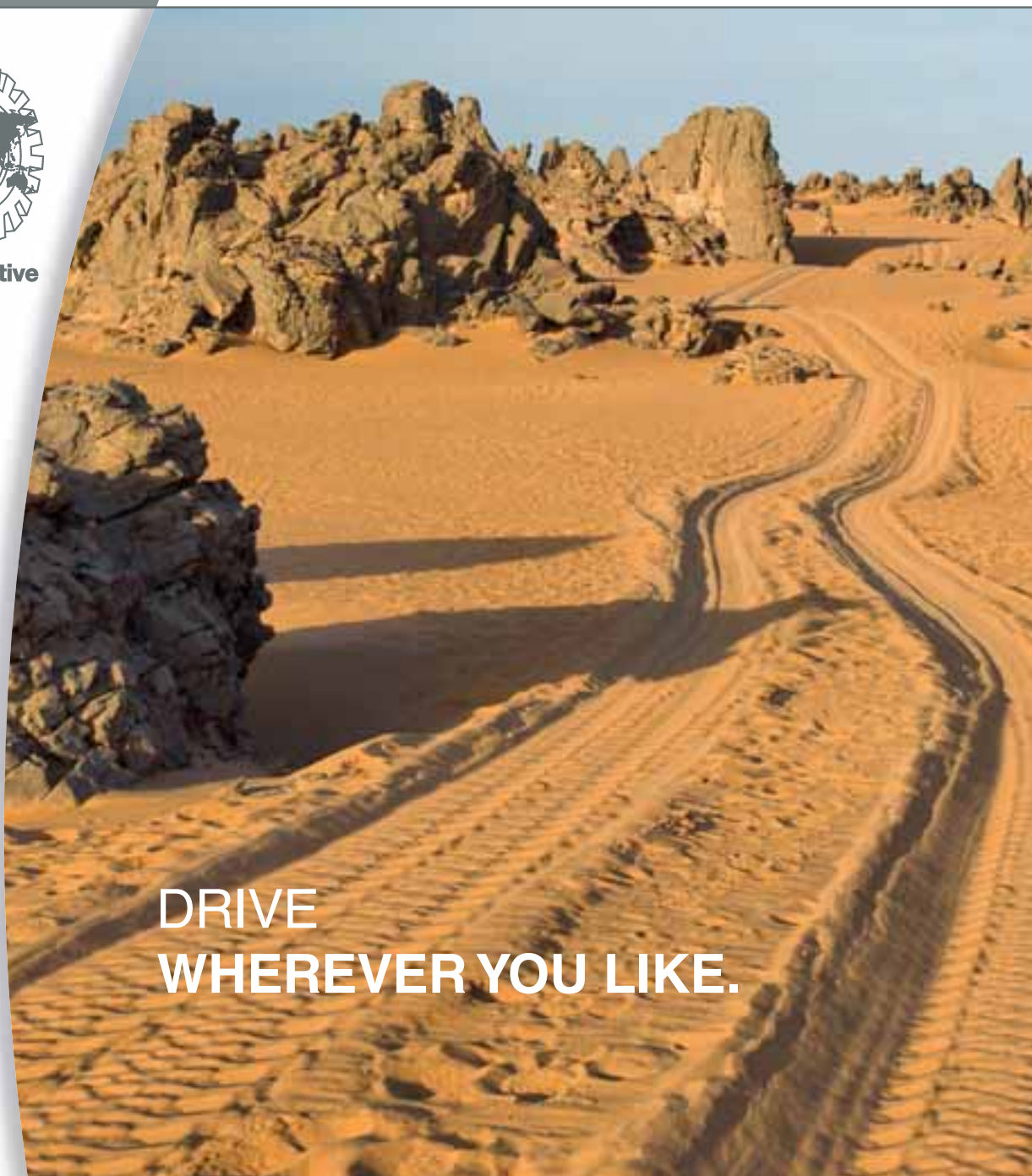


Automotive





Automotive



DRIVE WHEREVER YOU LIKE.

With **REMA TIP TOP**,
your specialist for OTR tire repair and service.

As the technology leader in the field of repair and servicing of large tires, we'll keep you going with our top-of-the-line solutions, all-round quality assurance and a worldwide service network. With **REMA TIP TOP** as your partner you'll save money, minimize downtimes and help safeguard the environment. Whether on-road or off-road, **REMA TIP TOP** is at your service.

WE MANAGE YOUR WORKSHOP

ONE BRAND – ONE SOURCE – ONE SYSTEM



Automotive

Repair product for tubes, valves and accessories	7	A
Repair Products for Tyres	13	B
Tools for Tyre Repair	21	C
Buffing Motors and Hand Tools	43	D
Special Tools for Tyre Handling and Regrooving	51	E
Vulcanizing Machines and Accessories	61	F
Chemical Products	77	G
Safety at Work	83	H



Automotive

REMA TIP TOP GmbH



REMA TIP TOP GmbH

■ Subsidiaries ■ Agencies

For further information please visit our website:
www.rema-tiptop.com/portal/worldwide-distribution.html

ONE BRAND – ONE SOURCE – ONE SYSTEM



Automotive

Repair product for tubes, valves and accessories

A

Valves	8 - 10
Chemical Cleaning	11

Outstanding products



Valve repair tool,
4-piece

Page 9



Valve core screwdriver
standard/EM,
VG5/VG8

Page 10



Spray bottle
for compressed air

Page 11

Valves

Valve cores



562 0650

Ref. No.	Designation	Qty
562 0650	Car/MTB valve assortment, with self-service clip Scope of delivery: <ul style="list-style-type: none"> • 2 car valve cores, short • 2 valve caps with core remover For use with: <ul style="list-style-type: none"> • Schrader/car valve adapter 	40

Metal valves, complete



562 9709



562 9606 - 562 9654

Ref. No.	Designation	Rim hole	Length	Bend- ing angle	TR No.	ETRTO No.	
562 9709	Metal valve	20.5 mm	41 mm		J 670-03	V5-03-1	•
562 9606	Metal valve	20.5 mm	64 mm	80 °	J 653-03		•
562 9613	Metal valve	20.5 mm	80 mm	60 °	J 654-03		•
562 9620	Metal valve	20.5 mm	80 mm	74 °	J 655-03		•
562 9637	Metal valve	20.5 mm	80 mm	80 °	J 650-03	V5-04-1	•
562 9644	Metal valve	20.5 mm	119 mm	90 °	J 651-03	V5-04-2	•
562 9651	Metal valve	20.5 mm	140 mm	86 °	J 652-03		•

Metal valves (valve base, valve top)



562 9699



562 3073



562 9668 - 562 9682




562 9747; 562 9761

Ref. No.	Designation	Rim hole	Length	Bend- ing angle	TR No.	ETRTO No.	
562 9699	Valve base	20.5 mm			SP 2	V5-10-1	•
562 3073	Valve top	20.5 mm	41 mm		J 670-02	V5-03-1	•
562 9668	Valve top	20.5 mm	64 mm	80 °	J 653-02		•
562 9675	Valve top	20.5 mm	80 mm	80 °	J 650-02	V5-04-1	•
562 9682	Valve top	20.5 mm	80 mm	90 °	J 654-02		•
562 9747	Valve top	20.5 mm	64 mm	90 °	J 4000- 21/2		•
562 9761	Valve top	20.5 mm	191 mm	90 °	J 4000- 71/2		•

Repair products for tubes, valves and accessories


Valve extensions, flexible

Ref. No.	Designation	Length 
562 9503	Valve extension	275 mm •
562 9510	Valve extension	320 mm •
562 9527	Valve extension	360 mm •
562 9541	Valve extension	555 mm •
562 9558	Valve extension	615 mm •



562 9503 - 562 9558

Valve caps, metal

Ref. No.	Designation	Colour 
562 0382	Valve cap	chrome
562 0375	Adapter AD-1, EM	•
562 0124	Valve cap, with core remover, EM	•
562 0368	Reducing cap, EM	•



562 0375






562 0124



562 0368

Valve repair tool

- For the repair of damaged valve threads

Ref. No.	Designation	  
562 8016	Valve repair tool, 3-piece <ul style="list-style-type: none"> • Core removal tool • External thread VG8 • Internal thread VG5 	• •
562 8023	Valve repair tool, 4-piece <ul style="list-style-type: none"> • Standard valve core mounting/removal tool • External thread VG8/VG12 • Internal thread VG5 	• • •
562 8030	Valve repair tool, 4-piece <ul style="list-style-type: none"> • Core removal tool • External thread VG8/VG12 • Internal thread VG5 	• • •
562 8061	Valve repair tool, 4-piece <ul style="list-style-type: none"> • EM valve core mounting/removal tool • External thread VG12 • Internal thread VG5/VG8 	• • •



562 8016



562 8023



562 8030



562 8061

Snap-on airline connectors, bright-finished

- Design with collar and adjustable cover
- Pressure of sealing membrane is adjustable

Ref. No.	Designation	Tube size
562 5291	Spare snap-on connector, EM	8.0 x 20 mm



562 5291



562 5088



562 5120

Snap-on airline connectors

Ref. No.	Designation	Tube size
562 5088	Snap-on connector, EM	8.0 x 20 mm
562 5120	Snap-on connector, EM For use with: • VG8 valves	8.0 x 20 mm

A



562 8092



562 8119



562 8133

Valve core screwdriver

Ref. No.	Designation
562 8092	Valve core screwdriver standard/EM, VG5/VG8 • Plastic grip, nickel-plated metal parts
562 8140	Valve mounting tool
562 8119	Valve core screwdriver standard/EM, VG5/VG8 • Plastic grip, burnished metal parts, with sockets for valve cores/caps
562 8133	EM Socket VG8



562 8384

Valve core LOCK TOOL

- The valve core is held by a spring clip when fitting or unscrewing

Ref. No.	Designation
562 8384	LOCK TOOL VG8, EM



519 1930

EURODAINU hand airline gauge

- Pre-calibrated version

Ref. No.	Designation	Measuring range	Length, inflation hose
519 1930	Hand airline gauge EURODAINU, CEE EM	0 - 12 bar	1.5 m

Repair products for tubes, valves and accessories

Chemical Cleaning

LIQUID BUFFER

- LIQUID BUFFER free of CFC and aromatic compounds
- For quick and easy cleaning and buffing of tubes
- For chemical cleaning before mechanical buffing

Ref. No.	Designation	Content	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	12
593 0144	Spray bottle for compressed air <ul style="list-style-type: none"> • Suitable for solvents • With nipple for compressed air supply • Can be used like a spray can • Safety auto control prevents over pressurizing (90 PSI = 6,2 bar) 	500 ml	1



505 9685



505 9702



505 9719



505 9692



593 0144

A



Automotive

B

Radial repair patches for professional repairs

- Very flexible and perfectly suited to new-generation tyres
- Suitable for hot- and self-vulcanization





Automotive

Repair Products for Tyres

RADIAL repair patches	14
CROSS-PLY repair patches	15 - 16
Foil	17 - 18
Rubber for Repair	18 - 20

B

Outstanding products



RAD Repair patches

Page 14



MTR SOLUTION,
non-inflammable

Page 17



MTR RUBBER,
Rope for extruder

Page 19

RADIAL repair patches

RAD repair patches, Series 100

- Repair patches for durable repairs to all radial tyre sizes and for all applications
- Suitable for hot- or self-vulcanization thanks to the unique bonding layer in conjunction with the appropriate REMA TIP TOP accelerator cements or solutions

Ref. No.	Designation	Ply rating	Size [L x W mm]	Content
512 1441	RAD repair patch 144 TL	4	335 x 130	10
512 1458	RAD repair patch 145 TL	4	230 x 180	5
512 1465	RAD repair patch 146 TL	4	440 x 180	5
512 1506	RAD repair patch 150 TL	5	580 x 180	5
512 1520	RAD repair patch 152 TL	5	580 x 240	3
512 1551	RAD repair patch 155 TL	5	330 x 260	5
512 1568	RAD repair patch 156 TL	7	720 x 270	3
512 1609	RAD repair patch 160 TL	7	860 x 270	3
512 1623	RAD repair patch 162 TL	7	1030 x 325	1
512 1654	RAD repair patch 165 TL	6	420 x 330	3
512 1685	RAD repair patch 168 TL	7	760 x 350	1
512 1757	RAD repair patch 175 TL	8	530 x 450	3
512 1850	RAD repair patch 185 TL	Steel reinforced	730 x 530	1
512 1852	RAD repair patch 185 TL+	8	730 x 530	1

RAD repair patches, Series 100 / OTR

Ref. No.	Designation	Language
581 2000	Wall chart RAD 100	Multilingual

Serie 100			①		RAD-Nr.	②		③
MOUL. A	MOUL. B	MOUL. S	MOUL. A	MOUL. B		MOUL. C B	MOUL. A x R	MOUL. S
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				
			25	250	150 TL	50	50 x 80	35
18.00-40.00	17.5-60	25-65/	50	150				
			50	250	152 TL	90	90 x 120	55
			180	150				
			50	300	156 TL	90	90 x 140	60
18.00-48.00	20.5-60	35-65/	100	200				
			130	180	168 TL	100	100 x 150	70
			140	170				
27.00-48.00	29.5-60	45-65/	60	400	180 TL	90	90 x 180	65
			120	250				
33.00-40.00	37.25-60	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	-
18.00-21.00	17.5-23.5	25-35/	-	-		60	60 x 90	-
24.00-30.00	26.5-33.5	40-50/	-	-	155 TL	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	37.25-55	55-65/	-	-		60	60 x 90	-
27.00-40.00	29.5-55	45-65/	-	-	175 TL	100	100 x 140	-
24.00-	26.5-	40-	-	-	185 TL	150	150 x 220	-
36.00-	36.5-	40-	-	-	185 TL+	300	100 x 140	-

CROSS-PLY repair patches


CROSS-PLY repair patches, Series PN-OTR

- Repair patches for durable repairs to cross-ply tyres of all OTR sizes
- Suitable for all the current vulcanizing systems due to the fully integrated bonding layer. Use in conjunction with the appropriate REMA TIP TOP accelerator solutions

Type:
 S = sidewall patch
 + = reinforced patch
 S+ = side patch reinforced



CROSS-PLY repair patches, Series PN-OTR

Ref. No.	Designation	Patch Ø in cord direction	Number of plies	Content	
512 2000	CROSS-PLY repair patch PN 050	240 mm	4	12	•
512 2017	CROSS-PLY repair patch PN 050+	240 mm	6	10	•
512 2024	CROSS-PLY repair patch PN 052	360 mm	6	12	•
512 2031	CROSS-PLY repair patch PN 052+	360 mm	8	10	•
512 2048	CROSS-PLY repair patch PN 054	480 mm	8	5	•
512 2055	CROSS-PLY repair patch PN 054+	480 mm	10	5	•
512 2062	CROSS-PLY repair patch PN 056	660 mm	10	5	•
512 2079	CROSS-PLY repair patch PN 056+	660 mm	12	5	•
512 2402	CROSS-PLY repair patch PN 056 S	660 mm	10	5	•
512 2419	CROSS-PLY repair patch PN 056 S+	660 mm	12	5	•
512 2093	CROSS-PLY repair patch PN 058	810 mm	12	3	•
512 2103	CROSS-PLY repair patch PN 058+	810 mm	14	3	•
512 2433	CROSS-PLY repair patch PN 058 S	810 mm	12	3	•
512 2440	CROSS-PLY repair patch PN 058 S+	810 mm	14	3	•
512 2110	CROSS-PLY repair patch PN 060	1010 mm	14	1	•
512 2127	CROSS-PLY repair patch PN 060+	1010 mm	16	1	•

CROSS-PLY repair patches, Series PN-OTR

Ref. No.	Designation	Language
581 0080	Wall chart PN	Multilingual



C		PR	10-14	16-20	22-26	28-32	34-38	40-44	46-50	52-58	60-
max. mm	max. inch	PLY RATING									
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+	058+/052	058/056	058+/056	060/056+

C		PR	10-14	16-20	22-26	28-32	34-38	40-44	46-50	52-58	60-
max. mm	max. inch	PLY RATING									
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+

C		PR	10-14	16-20	22-26	28-32	34-38	40-44	46-50	52-58	60-
max. mm	max. inch	PLY RATING									
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+



B

Foil

Heat resistant gliding 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



517 1972

Ref. No.	Designation	Colour	Size	Content	Qty
517 1972	Heat resistant foil	yellow	approx. 160 x 75 mm	1000 sheets	1
517 6977	Heat resistant gliding foil	white	approx. 500 x 300 mm	10 sheets	1

OTR SPECIAL CEMENT, non-inflammable (*EU Version)

- Accelerator solution for coating the buffed tyre inside in conjunction with REMA TIP TOP RAD and PN OTR repair patches
- Especially suitable for repairs to large tyres used on long-haul EM vehicles, optimizing the run time of the tyre

*Labelled in accordance with EU regulations

Ref. No.	Designation	Content	Qty
515 0547	SPECIAL CEMENT OTR, EU-version	1 kg can	10
515 0554	SPECIAL CEMENT OTR, EU-version	6 kg can	1

INNERLINER SEALER

- For sealing porous innerliners and coating excessively buffed repair areas on the tyre inside
- For sealing the edges of repair areas



515 9004

Ref. No.	Designation	Content	Qty
515 9004	INNERLINER SEALER	650 g tin	10
515 9011	INNERLINER SEALER	4 kg can	1

MTR SOLUTION, non-inflammable (*EU version)

- Accelerator solution for coating the buffed tyre inside, the buffed skive surface or the bonding layer of REMA TIP TOP repair patches prior to laminating with MTR RUBBER
- Thermopress 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)

* Labelled in accordance with EU regulations



516 1055

Ref. No.	Designation	Content
516 1055	MTR SOLUTION, EU version	1 kg tin
516 1062	MTR SOLUTION, EU version	6 kg can
516 1079	MTR SOLUTION, EU version	40 kg can



516 9221

MTR SOLUTION, free of CFC and aromatic compounds

- Accelerator solution for coating the buffed tyre inside, the buffed skive surface or the bonding layer of REMA TIP TOP repair patches prior to laminating with MTR RUBBER
- Thermopress 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.	Designation	Content
516 9221	Thermopress MTR solution	3.75 kg can
516 9240	MTR SOLUTION	4.5 kg can



517 7362



517 7379

T2 SOLUTION, non-inflammable (*EU version)

*Labeled in accordance with the EU regulations for cfc-containing products.

Ref. No.	Designation	Content
517 7362	T2 SOLUTION A, EU version	1 kg tin
517 7379	T2 SOLUTION B, EU version	1 kg tin



517 9015

T2 SOLUTION, free of CFC and aromatic compounds

- T2 solution is used for pre-treatment of the buffed skive before it is filled with T2 Compound
- The two components (A and B) are mixed in equal quantities in the amount required for the rubber surface

Ref. No.	Designation	Content
517 9008	T2 SOLUTION A 4	700 g tin
517 9015	T2 SOLUTION B 4	700 g tin

Rubber for Repair

SV bonding rubber



SV bonding rubber

- Self-vulcanizing cushion gum for the lamination of REMA TIP TOP Radial and PN repair patches.
- Only apply with REMA TIP TOP OTR CEMENT
- Waiting time before putting the tyre back into operation in the case of self-vulcanization: 48 hours at a temperature of at least 18 °C/65 °F

Ref. No.	Designation	Size	Weight	Content
517 3523	SV bonding rubber, blue	about 8000 x 250 x 0.8 mm [L x W x H]	approx. 2 kg	1 roll
517 3509	SV bonding rubber, blue	about 10000 x 500 x 0.8 mm [L x W x H]	approx. 5 kg	1 roll

Repair Products for Tyres

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)
- Max. temperature for warming up MTR RUBBER 80°C (176°F)
- MTR RUBBER provides excellent adhesion to the tyre and has high resistance to dynamic stress
- Use only with MTR SOLUTION



516 1250



516 1164

Ref. No.	Designation	Weight	Size	Dia.	Content
516 1267	MTR RUBBER	approx. 1 kg	about 2600 x 30 x 3.0 mm [L x W x H]		3 rolls
516 1250	MTR RUBBER	approx. 2.5 kg	about 7200 x 250 x 1.2 mm [L x W x H]		1 roll
516 1274	MTR RUBBER	approx. 5 kg	about 2600 x 500 x 3.0 mm [L x W x H]		1 roll
516 1170	MTR RUBBER, Rope for extruder	approx. 6 kg		approx. 8 mm	1 rope
516 1164	MTR RUBBER, Rope for extruder	approx. 12 kg		approx. 8 mm	1 rope

MTR-CR RUBBER

- Uncured rubber for increased wear and cut resistance
- Required vulcanizing temperature: at least 100 °C (212 °F)
- The skive can be filled with MTR-CR RUBBER only or in combination with MTR RUBBER
- If working with two compounds, use MTR-CR as a protector above the casing
- (CR = cut resistant)
- Use only with MTR SOLUTION



516 1180

Ref. No.	Designation	Weight	Dia.	Content
516 1180	MTR-CR, Rope for extruder • CR = cut resistant	approx. 12 kg	8 mm	1 rope

Thermopress MTR cushion gum

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



516 1009

Ref. No.	Designation	Weight	Size	Content
516 1009	MTR RUBBER cushion gum	approx. 5 kg	about 1 x 500 x 8000 mm [L x W x H]	1 roll

T2 COMPOUND

- The solvent-free compound consisting of two components is mixed in the REMA TIP TOP hand extruder at 60°C (140°F) and applied to the repair location that was prepared with T2 SOLUTION
- High initial elasticity
- Quick vulcanization
- Constant technical properties and good abrasion resistance
- Hand extruders should be cleaned using REMA TIP TOP T2 cleaning rubber



517 7323



517 7330

Ref. No.	Designation	Weight	Size	Dia.	Content
517 7323	T2 COMPOUND A	2 kg	3.0 x 20 x 5500 mm [L x W x H]		5 rolls
517 7330	T2 COMPOUND B	2 kg	3.0 x 20 x 5500 mm [L x W x H]		5 rolls
517 7310	T2 COMPOUND B, rope for extruder • Supplied in plastic bucket • Stays protected against environmental factors if left in opened plastic bucket	6 kg		8 mm	1 rope



517 7402

T2 cleaning rubber

- For cleaning hand extruders

Ref. No.	Designation	Size	Weight	Dia.	Content
517 7402	T2 cleaning rubber	about 3 x 20 x 3000 mm [L x W x H]	approx. 1 kg		5 rolls
517 7420	T2 cleaning rubber, rope for extruder		approx. 6 kg	approx. 8 mm	1 rope



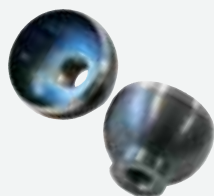
Automotive

Tools for Tyre Repair

Working tools	22 - 34
Hand tools	35 - 38
Marking	39
Measuring	40 - 41
Branding	41 - 42

C

Outstanding products



Rotary gouges

Page 22



Dome contour rasps

Page 28



Stitcher

Page 37

Working Tools

Compass saw for steel cord tyres

- For cylindrical removal of damaged material from tyres



511 1712, 511 1705

511 1729

Ref. No.	Designation	Speed	Dia.				
511 1705	Compass saw	max. 2000 rpm	22 mm	511 1736	•	•	
511 1712	Compass saw	max. 2000 rpm	32 mm	511 1743	•	•	
511 1729	Compass saw	max. 2000 rpm	41 mm	511 1743	•	•	
511 1736	Arbour hexagon	max. 2000 rpm	22 mm				
511 1743	Arbour hexagon	max. 2000 rpm	32/41 mm				



Buffing rasp R 5 + spacer R 5

Buffing rasps

- For buffing rubber surfaces

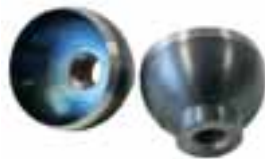
Ref. No.	Designation	Dia.	Bore Ø	Speed	Content					
519 6139	Buffing rasp R 5	45 mm	1/2 inch	max. 4500 rpm	5	519 6270	519 6641	519 6263	•	•
519 6146	Spacer R 5		1/2 inch	max. 4500 rpm	6					
519 6249	Buffing rasp R 6	76 mm	1/2 inch	max. 4500 rpm	6	519 6270	519 6641	519 6263	•	•
519 6256	Spacer R 6		1/2 inch	max. 4500 rpm	7					

Rotary gouges

- For the removal of large volumes of rubber in tyre repairs



595 4292



595 4326



595 4481



595 4498

Ref. No.	Designation	Dia.	Speed	Content						
595 4292	Rotary gouge	50 mm	max. 4500 rpm	1	595 4034	519 6689, 595 6610	595 4027	•	•	•
595 4326	Rotary gouge	30 mm	max. 4500 rpm	3	595 4034	519 6627		•	•	•

595 4481 **Sharpening fixture**
 • For the precise sharpening of rotary gouges

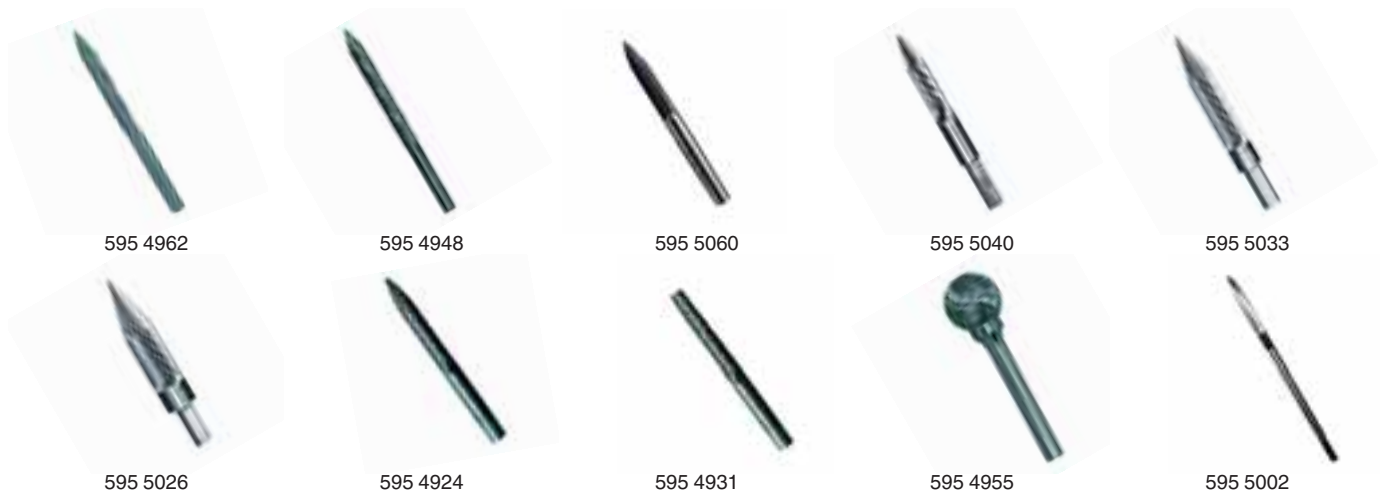
595 4498 **Replacement stones**



2

Tools for Tyre Repair

HM mill cutters and routers

- For the precise injury preparation on radial and cross-ply tires
- Special profile adapted to steel cord preparation
- Long service life



Ref. No.	Designation	Dia.	Blade length	Length	Speed					
595 5019	HM mill cutter, pointed	4.5 mm	30 mm	90 mm	max. 2500 rpm	fixed shaft 6 mm	519 6672	•	•	
595 4962	HM mill cutter, pointed	6 mm	50 mm	90 mm	max. 2500 rpm	fixed shaft 6 mm	519 6672	•	•	•
595 4948	HM mill cutter, pointed	8 mm	50 mm	100 mm	max. 2500 rpm	fixed shaft 8 mm	519 6689		•	•
595 5060	HM mill cutter, pointed	10 mm	60 mm	110 mm	max. 2500 rpm	fixed shaft 10 mm	519 6593		•	•
595 5040	HM mill cutter, pointed	12 mm	60 mm	110 mm	max. 2500 rpm	fixed shaft 10 mm	519 6593		•	•
595 5033	HM mill cutter, pointed	17 mm	60 mm	140 mm	max. 2500 rpm	fixed shaft 13 mm			•	•
595 5026	HM mill cutter, pointed	22 mm	60 mm	140 mm	max. 2500 rpm	fixed shaft 13 mm			•	•
595 4900	HM router/burr, pointed	3 mm	25 mm	50 mm	max. 25000 rpm	fixed shaft 3 mm	519 6782	•	•	
595 4924	HM router/burr, pointed	6 mm	25 mm	65 mm	max. 25000 rpm	fixed shaft 6 mm	519 6672		•	•
595 4931	HM router/burr, blunt headed	6 mm	25 mm	65 mm	max. 25000 rpm	fixed shaft 6 mm	519 6672		•	•
595 4955	HM Ballshaped burr	20 mm			max. 25000 rpm	fixed shaft 6 mm	519 6672		•	•
595 5002	HM mill cutter, pointed (extra long) For use with: • EM SEALASTIC preparation of injuries using a hand drill	9.5 mm	60 mm	250 mm	max. 2500 rpm	fixed shaft 10 mm				•

 Arbour for hand drill

 Arbour MK 1 for flexible shaft

 Arbour for quick release chuck

Chip cones, classic class

- For buffing rubber on stitch damages and narrow spots



595 0739



595 0746



595 8872

Ref. No.	Designation	Dia.	Thread	Length	Speed						
595 0739	Chip cone K 18, pointed	25 mm	3/8 inch	102 mm	max. 4500 rpm	595 4034	519 6610	595 4027	•	•	
595 0746	Chip cone K 18, rounded	20 mm	3/8 inch	38 mm	max. 4500 rpm	595 4034	519 6610	595 4027	•	•	
595 8872	Chip cone K 18, pointed	25 mm	3/8 inch	50 mm	max. 4500 rpm	595 4034	519 6610	595 4027	•		•
595 8982	Chip cone K 36, pointed	25 mm	3/8 inch	102 mm	max. 4500 rpm	595 4034	519 6610	595 4027	•	•	

Pencil buffers, standard class

- For buffing of rubber in nailhole type injuries



595 5057



595 8913



595 8906



595 8896



595 8968



595 8951







Ref. No.	Designation	Dia.	Length	Speed						
595 5057	Pencil buffer K 36	4 - 6 mm	65 mm	max. 4500 rpm	fixed shaft 6 mm	519 6672	595 0519	•	•	
595 0753	Pencil buffer K 18	6 mm	65 mm	max. 4500 rpm	fixed shaft 6 mm	519 6672	595 0519	•	•	
595 8913	Pencil buffer K 46	4 - 8 mm	102 mm	max. 4500 rpm	fixed shaft 6 mm	519 6672	595 0519	•	•	
595 8906	Pencil buffer K 18	5 - 8 mm	105 mm	max. 4500 rpm	fixed shaft 6 mm	519 6672	595 0519	•	•	
595 8896	Pencil buffer K 36	5 - 8 mm	105 mm	max. 4500 rpm	fixed shaft 6 mm	519 6672	595 0519	•	•	
595 8968	Pencil buffer K 18	8 mm	170 mm	max. 4500 rpm	fixed shaft 8 mm	519 6689	595 4278			•
595 8951	Pencil buffer K 36	8 mm	170 mm	max. 4500 rpm	fixed shaft 8 mm	519 6689	595 4278			•

Tools for Tyre Repair

Chip rasps / buffing wheels, classic class

- Carbide buffing tools



Ref. No.	Designation	Width	Dia.	Speed	Thread	Bore Ø						
595 8786	Buffing wheel K 18	3 mm	50 mm	max. 4500 rpm		fixed shaft 6 mm		519 6672		•	•	
595 8779	Buffing wheel K 36	3 mm	50 mm	max. 4500 rpm		fixed shaft 6 mm		519 6672		•	•	
595 8755	Buffing wheel K 16	3 mm	50 mm	max. 4500 rpm	3/8 inch		595 4034	519 6610	595 4027	•	•	
595 8793	Buffing wheel K 18	3 mm	50 mm	max. 4500 rpm	3/8 inch		595 4034	519 6610	595 4027	•	•	•
595 8762	Buffing wheel K 14	5 mm	50 mm	max. 4500 rpm	3/8 inch		595 4034	519 6610	595 4027	•	•	•
595 8810	Buffing wheel K 18	5 mm	50 mm	max. 4500 rpm	3/8 inch		595 4034	519 6610	595 4027	•	•	•
595 8858	Buffing wheel K 18	10 mm	50 mm	max. 4500 rpm	3/8 inch		595 4034	519 6610	595 4027	•	•	•
595 4388	Buffing wheel K 18	13 mm	50 mm	max. 4500 rpm	3/8 inch		595 4034	519 6610	595 4027	•	•	
595 4395	Buffing wheel K 36	13 mm	50 mm	max. 4500 rpm	3/8 inch		595 4034	519 6610	595 4027	•	•	
595 8827	Buffing wheel K 18	19 mm	50 mm	max. 4500 rpm	3/8 inch		595 4034	519 6610	595 4027	•	•	
595 8834	Doughnut wheel K 18	16 mm	76 mm	max. 4500 rpm		14 mm	595 4261	519 6634	595 4285	•	•	
595 8841	Doughnut rasp K 18	19 mm	102 mm	max. 4500 rpm		14 mm	595 4261	519 6634	595 4285	•	•	

Ball shaped chip rasps, classic class

- Carbide buffing tools
- For buffing rubber surfaces



Ref. No.	Designation	Dia.	Speed				
595 8920	Ball shaped chip rasp K 18	20 mm	max. 4500 rpm	fixed shaft 6 mm	519 6672	•	•

 Arbour for hand drill

 Arbour MK 1 for flexible shaft

 Arbour for quick release chuck

Domed contour rasps, classic class

- For buffing on inner liner or other smooth rubber surfaces
- Carbide buffing tools



595 4209



595 4247



595 8865



595 4223



595 4230



595 8975

Ref. No.	Designation	Bore Ø	Dia.	Speed	Thread						
595 4319	Dome rasp K 46		65 mm	max. 4500 rpm		595 4034	519 6627		•	•	
595 9000	Dome rasp K 36		30 mm	max. 4500 rpm	3/8 inch	595 4034	519 6610	595 4027	•	•	
595 4209	Dome rasp K 36	14 mm	76 mm	max. 4500 rpm		595 4261	519 6634	595 4285			•
595 4247	Dome rasp K 18	14 mm	102 mm	max. 4500 rpm		595 4261	519 6634	595 4285			•
595 4330	Dome rasp K 36, Patriot	14 mm	76 mm	max. 4500 rpm		595 4261	519 6634	595 4285			•
595 8865	Dome rasp K 18		50 mm	max. 4500 rpm	3/8 inch	595 4034	519 6610	595 4027		•	•
595 8975	Dome rasp K 36		50 mm	max. 4500 rpm	3/8 inch	595 4034	519 6610	595 4027		•	•
595 4223	Dome rasp K 18	14 mm	76 mm	max. 4500 rpm		595 4261	519 6634	595 4285			•
595 4230	Dome rasp K 36	14 mm	102 mm	max. 4500 rpm		595 4261	519 6634	595 4285			•

Buffing wheels, silver class

- For especially fine buffing work on rubber surfaces
- Carbide buffing tools



595 4340



595 4728



595 4694

Ref. No.	Designation	Width	Dia.	Speed	Thread						
595 4340	Buffing wheel K 18, wedge-shaped	5 mm	37 mm	max. 4500 rpm		fixed shaft 6 mm	519 6672		•	•	
595 4728	Buffing wheel K 18	6 mm	50 mm	max. 4500 rpm	3/8 inch	595 4034	519 6610	595 4027	•	•	
595 4694	Buffing wheel K 18	10 mm	50 mm	max. 4500 rpm	3/8 inch	595 4034	519 6610	595 4027	•	•	•

Tools for Tyre Repair

Domed buffing rasp, silver class

- For finishing work on rubber surfaces



595 4735



595 4632



595 4357



595 4656



595 4670



595 4364

Ref. No.	Designation	Bore Ø	Dia.	Length	Speed						
595 4735	Dome rasp K 60	3/8 inch	32 mm	18 mm	max. 4500 rpm	595 4034	519 6610	595 4027	•	•	
595 4687	Dome rasp K 36	3/8 inch	32 mm	18 mm	max. 4500 rpm	595 4034	519 6610	595 4027	•	•	
595 4632	Dome rasp K 36		44 mm	19 mm	max. 4500 rpm	595 4034	519 6610	595 4027	•	•	
595 4357	Dome rasp K 36	3/8 inch	65 mm		max. 4500 rpm	595 4034	519 6610		•	•	
595 4656	Dome rasp K 36	14 mm	76 mm		max. 4500 rpm	595 4261 with PU insert 595 0533	519 6634 with PU insert 519 6665	595 4285 not pos- sible with PU insert	•	•	
595 4670	Dome rasp K 36	14 mm	102 mm		max. 4500 rpm	595 4261	519 6634		•	•	
Accessories:											
595 4364	Poly plug For use with: • Dome rasp (595 4357)	3/8 inch	65 mm		max. 4500 rpm	595 4034	519 6610		•	•	
595 4663	Poly plug For use with: • Dome rasp (595 4656)	14 mm	76 mm		max. 4500 rpm	595 0533	519 6665		•	•	

Ball rasp, silver class

- For finishing work on rubber surfaces



595 4371

Ref. No.	Designation	Dia.	Speed						
595 4371	Ball rasp K 36	19 mm	max. 4500 rpm	fixed shaft 6 mm	519 6672		•	•	



Chip cone rasp, silver class



595 4704



595 4740

Ref. No.	Designation	Dia.	Length	Speed						
595 4704	Chip rasp K 18, blunt headed	22 mm	50 mm	max. 4500 rpm	595 4034	519 6610	595 4027	•	•	
595 4740	Pencil buffer K 36, pointed	6 mm	75 mm	max. 4500 rpm	fixed shaft 6 mm		519 6672		•	•

C

Dome contour rasps, REMA TIP TOP class

- Economy series for buffing of rubber surfaces
- Carbide buffing tool



595 6056



595 6087



595 6111

Ref. No.	Designation	Dia.	Thread	Speed	Bore Ø						
595 6056	Dome rasp K 16	50 mm	3/8 inch	max. 4500 rpm		595 4034	519 6610	595 4027	•	•	•
595 6087	Dome rasp K 16	76 mm		max. 4500 rpm	14 mm	595 4261	519 6634	595 4285		•	•
595 6111	Dome rasp K 16	102 mm		max. 4500 rpm	14 mm	595 4261	519 6634	595 4285		•	•

Tools for Tyre Repair

Buffing wheels, REMA TIP TOP class







- Economy series for buffing of rubber surfaces
- Carbide buffing tool



595 6018



595 6049

Ref. No.	Designation	Height	Dia.	Thread	Speed						
595 6001	Buffing wheels K 16	3 mm	50 mm	3/8 inch	max. 4500 rpm	595 4034	519 6610	595 4027	•	•	•
595 6018	Buffing wheels K 16	5 mm	50 mm	3/8 inch	max. 4500 rpm	595 4034	519 6610	595 4027	•	•	•
595 6049	Buffing wheels K 16	10 mm	50 mm	3/8 inch	max. 4500 rpm	595 4034	519 6610	595 4027	•	•	•

Buffing kit, REMA TIP TOP

- The REMA TIP TOP BASIC buffing kit offers a new way of flexibility
- The convenient box contains eight essential special tools
- All tools are clearly arranged and embedded in foam plastic retainers to avoid damage to the buffing tools
- Flexible use for repair work
- Everything immediately available
- Careful storage of the tools
- All buffing tools can be ordered separately
- Space saving and clear arrangement



595 4750

Ref. No.	Designation	Content
595 4750	Buffing kit BASIC Scope of delivery: <ul style="list-style-type: none"> • 595 8975 1 dome contour rasp K 36, 50 mm • 595 8810 1 chip rasp K 18, 50 mm • 595 5057 1 pencil buffer K 36, 4 - 6 mm • 519 6610 1 adapter NV 11, 3/8" • 595 4412 1 cutting disk, pointed, 32 mm • 595 0650 1 cutting disk, pointed, 40 mm • 595 9000 1 contour wheel K 36, 30 mm • 595 4319 1 dome rasp K 46 	8



Arbour for hand drill



Arbour MK 1 for flexible shaft

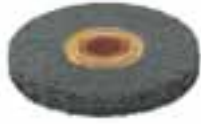


Arbour for quick release chuck

C

Rotary wire brushes

- For the careful treatment of rubber steel cord



595 4522



595 4168



595 4175



595 0722



595 0076



595 0571



595 0564



595 4560

Ref. No.	Designation	Width	Bore Ø	Dia.	Speed									
595 4522	Rotary brush, cylindrical, plastic embedded	7 mm	3/8 inch	50 mm	max. 2800 rpm	595 4034	519 6627		•	•				
595 4168	Rotary brush, cylindrical, plastic embedded	8 mm	14 mm	76 mm	max. 2800 rpm	595 4261	519 6634	595 4285	•		•			
595 4175	Rotary brush, contour embedded in plastic	20 mm	14 mm	76 mm	max. 2800 rpm	595 0533	519 6665	595 4285				•	•	
595 0722	Rotary brush, cylindrical, brass-coated steel wire	8 mm		55 mm	max. 2800 rpm	fixed shaft 6 mm	519 6672		•	•	•	•	•	•
595 0076	Rotary brush, steel wire	20 mm		60 mm	max. 2800 rpm	fixed shaft 6 mm	519 6672		•	•	•	•	•	•
595 0571	Rotary brush, cylindrical	25 mm	16 mm	80 mm	max. 2800 rpm	595 0540	519 6689	595 0502				•	•	
595 0564	Rotary brush, cylindrical	25 mm	16 mm	100 mm	max. 2800 rpm	595 0540	519 6689	595 0502				•	•	
595 4560	Spiral / pencil brush			8 mm	max. 2800 rpm	fixed shaft 6 mm	519 6672		•					•

Tools for Tyre Repair

Limestones

- Limestones for buffing soft rubber grades such as inner liners



595 0117



595 0588



595 0595



595 0605



595 0083

Ref. No.	Designation	Width	Dia.	Speed	Bore Ø									
595 0117	Limestone, cylindrical	15 mm	60 mm	max. 4500 rpm		595 0100	595 0100 + 519 6672		•	•				
595 0588	Limestone, cylindrical	30 mm	90 mm	max. 4500 rpm	16 mm	595 0540	595 0540 + 519 6689	595 0540 + 595 0502		•	•			
595 0595	Limestone, rounded	30 mm	90 mm	max. 4500 rpm	16 mm	595 0540	595 0540 + 595 6689	595 0540 + 595 0502					•	•
595 0605	Limestone, spherical, M12		60 mm	max. 4500 rpm		595 0557	595 0557 + 519 6689	595 0557 + 595 0526					•	•
595 0083	Limestone, spherical, with shaft		38 mm	max. 4500 rpm		fixed shaft 6 mm	519 6672						•	•

C

Grinding tools for steel cord preparation

- Rotary high speed stones, for removal of damaged steel cord from tyres





Ref. No.	Designation	Width	Speed	Dia.	Length	Bore Ø								
595 4405	Pencil stone		max. 25000 rpm	8 mm	25 mm	fixed shaft 6 mm		519 6672		•	•		•	
595 4810	Pointed cone stone		max. 25000 rpm	14 mm	45 mm	fixed shaft 6 mm		519 6672		•	•	•	•	•
595 0629	Cone stone		max. 25000 rpm	20 mm	65 mm	fixed shaft 6 mm		519 6672		•	•		•	
595 0681	Ball stone, spherical		max. 25000 rpm	20 mm		fixed shaft 6 mm		519 6672		•	•	•	•	•
595 4780	Cutting disc, blunt	6 mm	max. 25000 rpm	25 mm		fixed shaft 6 mm		519 6672		•	•	•	•	•
595 4412	Round mush- room stone, pointed	6 mm	max. 25000 rpm	32 mm		fixed shaft 6 mm		519 6672		•	•	•	•	
595 0650	Round mush- room stone, pointed	10 mm	max. 25000 rpm	40 mm		fixed shaft 6 mm		519 6672		•	•	•	•	•
595 4797	Cutting disc	10 mm	max. 25000 rpm	50 mm		fixed shaft 6 mm		519 6672			•		•	•
595 0667	Grinding disc, cylindrical	7 mm	max. 9000 rpm	76 mm		16 mm	595 0674	595 0674 + 519 6689	595 0674 + 595 4278	•	•		•	
595 0636	Grinding disc, cylindrical	10 mm	max. 9000 rpm	100 mm		16 mm	595 0674	595 0674 + 519 6689	595 0674 + 595 4278	•	•		•	

Finish buffer ES

- ES buffing bands can be mounted or removed by turning them slightly to the right



Ref. No.	Designation	Height	Speed	Dia.					
595 5507	ES 45 finish buffer kit K 60 Scope of delivery: • 1 buffing sleeve • 5 buffing bands	30 mm	max. 2800 rpm	45 mm	fixed shaft 6 mm	519 6672	•	•	
595 5552	ES 75 finish buffer kit K 60 Scope of delivery: • 1 buffing sleeve • 4 spare bands	30 mm	max. 2800 rpm	75 mm	fixed shaft 8 mm	519 6689		•	•
595 5521	Spare buffing band K 40	30 mm	max. 2800 rpm	45 mm					
595 5514	Spare buffing band K 60	30 mm	max. 2800 rpm	45 mm					
595 5576	Spare buffing band K 40	30 mm	max. 2800 rpm	75 mm					
595 5569	Spare buffing band K 60	30 mm	max. 2800 rpm	75 mm					

C

Electronic angle grinder

- VR- microprocessor electronics: consistent speed control by tachometer generator, soft start, accelerator trigger switch, restart protection after power interruption, overload protection, temperature monitoring and speed preselection
- High torque motor: designed to handle substantial loads
- Ergonomic design
- Slender rear handle and practical bail handle for optimum ease of use and non-fatiguing work
- Spindle lock



Ref. No.	Designation	Speed	Electric power/ connection	Arbour	Weight
594 1080	Angle grinder L3403 VRG Scope of delivery: • 1 clamp handle • 1 lateral handle	1100 - 3700 1/min	230/880 V/W	M14	2.20 kg



Arbour for hand drill



Arbour MK 1 for flexible shaft



Arbour for quick release chuck

Hard metal buffing disc



Hard metal buffing disc

Ref. No.	Designation	Dia.
519 6885	Hard metal buffing disc silver class <ul style="list-style-type: none"> • Longer service life and faster buffing compared with copper-carbide discs • Risk of damage to bearing when used with less powerful angle grinders For use with: <ul style="list-style-type: none"> • Angle grinder FLEX L1202 (5940620) 	175 mm
595 9410	Green extreme	125 mm
595 9420	Green extreme	175 mm
594 0640	Mounting flange SW 14	
594 0650	Mounting nut M14	

Buffing discs for angle grinders

- For the preparation of large rubber surfaces on the outside of a tyre



Buffing disc K 18

Ref. No.	Designation	Height	Dia.	Bore Ø	Speed	
595 2548	Buffing disc K 23	2 mm	125 mm	22 mm	max. 4500 rpm	•
595 2555	Buffing disc K 18	2 mm	175 mm	22 mm	max. 4500 rpm	•
595 2531	Buffing disc K 18	2 mm	125 mm	22 mm	max. 4500 rpm	•
595 2562	Buffing disc K 23	2 mm	175 mm	22 mm	max. 4500 rpm	•

Arbours - adapters for quick release chuck type

- For the secure fastening of buffing tools in the quick coupling



519 6603

Ref. No.	Designation
519 6603	Quick release action chuck QC, 3/8" - 24 For use with: <ul style="list-style-type: none"> • Arbour MK 1 (595 4010)

Flex drive arbours MK 1

- For secure mounting of buffing tools to flexible shafts



595 4010

Ref. No.	Designation
595 4010	Arbour MK 1 For use with: <ul style="list-style-type: none"> • Quick coupling

Hand Tools

Cutting tools

- For the preparation of damages on tyres of every type

Ref. No.	Designation	Length
595 0801	Side cutter for steelcord <ul style="list-style-type: none"> • Toggle joint reduces expenditure of force • With opening spring • Plastic coated handle 	
595 2074	Skiving knife, 5" <ul style="list-style-type: none"> • Chromium-plated blade • Black, knobbed plastic handle with ergonomic non-slip grip 	125 mm
595 2067	Rubber knife, 6" <ul style="list-style-type: none"> • Chromium-plated blade • Black, knobbed plastic handle with ergonomic grip 	145 mm
595 2050	Rubber knife, 8" <ul style="list-style-type: none"> • Chromium-plated blade • Black, knobbed plastic handle with ergonomic grip 	200 mm
595 2184	Rubber knife, 10" <ul style="list-style-type: none"> • Chromium-plated blade • Black, knobbed plastic handle with ergonomic grip 	250 mm
595 2191	Rubber knife, 12" <ul style="list-style-type: none"> • Chromium-plated blade • Black, knobbed plastic handle with ergonomic grip 	310 mm
595 2177	Don Carlos knife, 8", with retractable blade	210 mm
595 2218	Spare blade For use with: <ul style="list-style-type: none"> • Cutter 8" (595 2177) 	
595 4539	Knife, 4", tapered	100 mm
595 4546	Knife, 4", flexible	100 mm



595 0801



595 2074



595 2067



595 2050



595 2184



595 2191



595 2177



595 2218



595 4539



595 4546



Arbour for hand drill



Arbour MK 1 for flexible shaft



Arbour for quick release chuck



Cutting tools – continued

Ref. No.	Designation	Length	Width	Electric power/ connection	Content
519 7059	Overflow cutter		50 mm		
519 7066	Spare blade, for overflow cutter		50 mm		
595 2139	Offset flexible knife				
595 2287	Scissors, 8", industrial quality	200 mm			
595 2304	Scissors, 10", industrial quality	255 mm			
519 7120	DOT/serial numbers knife handle, with one blade • Special knife for removal of original DOT/serial numbers Scope of delivery: • 1 blade				
519 7130	Blade set For use with: • DOT/serial numbers knife handle (519 7120)				12
595 2036	Rubber knife, 5"	130 mm			
517 3690	Knife heater • Equipped with an adjustable temperature regulator			230 V	

Whetstones

- For sharpening of knife blades



595 2153



595 2225



595 2160



519 6225

Ref. No.	Designation	Length	Size
595 2153	Wetstone, with wooden handle	200 mm	
595 2225	Wetstone	230 mm	
595 2160	Steel sharpener, with plastic handle	230 mm	
519 6225	Wetstone (block)		150 x 50 x 25 mm [L x W x H]

Tools for Tyre Repair

Stitchers

- For smooth application of repair patches or rubber



Ref. No.	Designation	Width	Dia.	Size	Content
596 1027	Stitcher standard, corrugated	4 mm	35 mm		
595 1044	Stitcher, with ball bearing, corrugated	4 mm	35 mm		
595 1123	Stitcher, with ball bearing, plain surface	12 mm	35 mm		
595 1147	Needle stitcher	27 mm	50 mm		
595 1160	Sticher, with ball bearing, corrugated	46 mm	40 mm		
595 1154	Needle stitcher	46 mm	50 mm		
595 1180	Sticher, with ball bearing, corrugated	76 mm	40 mm		
595 1950	Needle sticher	76 mm	52 mm		
Accessories:					
595 0849	Spare needles, chromium For use with: • Needle stitcher (595 1147)			1.5 x 12 mm	3000
595 0832	Buffing needles, chromium For use with: • Needle stitcher (595 1154)			1.5 x 10 mm	3000

Pincers and pliers

- For the easy removal of foreign objects from tyres
- For heaviest duty
- Specially favoured by craftsmen due to precision workmanship
- Extreme wear resistance and good balance

Ref. No.	Designation	Length	Weight
594 0580	Pincers, with lever nose • Cutting edge hardness approx. 55 HRC • Polished head, black atramentised handles • Special tool steel, oil hardened and tempered	300 mm	774 g
594 0420	Pincers	210 mm	405 g
594 0430	Pincers	250 mm	425 g
571 9100	Universal pliers, insulated	200 mm	230 g
571 9090	Universal pliers JC 8210-200, insulated	200 mm	376 g





570 9280

Tyre probes

- For verifying damages, course of injuries and removing small foreign objects from the tread

Ref. No.	Designation	Length
570 9270	Tyre probe, with wooden handle	140 mm
570 9280	Tyre probe, with plastic handle	140 mm



595 1178

Tyre scrapers

- For the thorough cleaning of damaged surfaces, and tyre liners in conjunction with Liquid Buffer



595 4515

Ref. No.	Designation
595 1178	Tyre scraper • For flat and curved surfaces
595 4515	Tyre scraper BANDAG • Especially suitable for profiled inner liners



595 4553

Cleaning brushes

- For cleaning of buffed surfaces
- Removal of buffing dust in conjunction with a vacuum cleaner

Ref. No.	Designation
595 4553	Brass-bristled brush • For gentle cleaning of the buffed area
594 0000	Brush, with coconut fibres • Removes loose buffing dust
571 9060	Handbrush, with horsehair bristles • Removes loose buffing dust
595 0069	Steel-bristled brush, adjustable • Hardness of bristles selectable



594 0000



595 0069

Marking

Marking with pen

- For writing directly on rubber or marking field of repair patches



595 0052



595 0045

Ref. No.	Designation	Thickness	Colour	Content
595 0052	Patch marking pen	0.6 mm F	blue	10
595 0045	Rubber marking pen silver • For labelling rubber items of any kind		silver	1
595 0179	Marking pen • For labelling rubber items of any kind		white	5

Marking with chalk

- For marking on tyre rubber - clearly visible



595 0131



595 8401



595 8432



595 8460



595 8456



595 8425



595 0227

Ref. No.	Designation	Colour	Dia.	Content
595 0131	Lithografic marking chalk SISA	white	17 mm	12
595 0203	Lithografic marking chalk SISA	yellow	17 mm	12
595 8401	REMA TIP TOP tyre marker	rubber white	13 mm	12
595 8418	REMA TIP TOP tyre marker	yellow	13 mm	12
595 8449	Wax marking chalk	white	10 mm	20
595 8432	Wax marking chalk	yellow	10 mm	20
595 8460	Carmel special chalk • Can also be used for marking on wet rubber	white	17.5 mm	12

Accessories:

595 8456 Chalk holder
For use with:
 • Wax marking chalk, yellow (595 8432)
 • Wax marking chalk, white (595 8449)

595 8425 REMA TIP TOP metal holder
For use with:
 • REMA TIP TOP tyre marker, rubber white (595 8401)
 • REMA TIP TOP tyre marker, yellow (595 8418)

595 0227 Chalk holder SISA
For use with:
 • Marking chalk SISA, white (595 0131)
 • Marking chalk SISA, yellow (595 0203)

Measuring

Thermometer

- For measuring operating and process temperatures on objects such as steam lines, heating equipment, vulcanizing machines, motors, etc.
- The temperatures on or in the material to be vulcanized can be measured with the appropriate measuring equipment and sensors
- Regularly monitoring temperatures can help to avoid malfunctions or costs arising from the ensuing damage



571 9070



517 8504



517 8511



517 8535



517 8550



517 8560

	571 9070	517 8504	517 8511
Weight	350 g	120 g	180 g (with battery)
Temperature range	-18 to +275 °C		-200 to +1370 °C
Accuracy	+/- 2 % of measured value	+/- 1 %	
Measuring range		0 to 200	
Length		125 sensor length mm	
Voltage		1 micro-battery AAA V	
Electric power/connection			Block battery 9 V
Size			54 x 34 x 164 mm [W x D x H]

Ref. No.	Designation	Length	Dia.	Temperature range
571 9070	Infrared radiation thermometer MT6 <ul style="list-style-type: none"> • For no-touch measurement on moving or electric parts • Measures and converts the thermal radiation emitted by the object • Emission rate permanently set to 0.95 • Display holding time 7 seconds • Temperature displayed in °C or °F (selectable) 			-18 to +275 °C
517 8504	Pen piercing thermometer <ul style="list-style-type: none"> • Pen-type thermometer with digital display 	125 mm sensor length		
517 8511	Digital thermometer <ul style="list-style-type: none"> • For measuring operating and process temperatures on objects such as steam lines, heating equipment, vulcanizing machines, motors, etc. • The temperatures on or in the material to be vulcanized can be measured with the appropriate measuring equipment and sensors • Regularly monitoring temperatures can help to avoid malfunction or costs arising from the ensuing damage • All commercial K-type thermocouples with standard flat terminals are compatible with the instrument Scope of delivery: <ul style="list-style-type: none"> • 0.6 measurements per second • Inputs: (K101); (K102) für K-type thermocouples 			-200 to +1370 °C

Tools for Tyre Repair

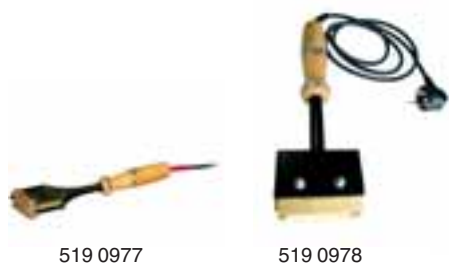
Thermometer – continued

Ref. No.	Designation	Length	Dia.	Temperature range
Accessories:				
517 8528	Thermocouple wire, flexible, with connector For use with: • Digital thermometer (517 8511)	1000 mm		
517 8535	Sensitive pin, with connector For use with: • Digital thermometer (517 8511)	100 mm	3 mm	
517 8550	PEN universal sensor K, NiCrNi For use with: • Digital-Thermometer (517 8511)	NL 150 mm	1 mm	-200 bis + 1100 °C
517 8560	PEN extension cable • Silicone extension cable for PEN universal sensor, type K For use with: • Digital-Thermometer (517 8511)	1 m		

Branding

Tyre marking, electric

- For branding of tyres
- Special characters such as &, %, etc. available upon request



	519 0977	519 0978
Size	70 x 35 mm [L x W]	75 x 30 mm [L x W]
Electric power/connection	230/300 V/W	230/315 V/W
Type size	12 mm	12 mm

Ref. No. Designation

519 0977 **Branding iron, 1 line**

519 0978 **Branding iron G 175**

- The electric branding iron includes a high-performance cartridge which is suitable for permanent operation
- The temperature on the heating plate is approx. 550 °C to 600 °C (1022 °F to 1112 °F) and ensures efficient branding
- The excellent quality of the heating cartridge coupled with the construction of the heating unit provides a long service life and extreme stress resistance
- The tool accommodates max. 6 letters (12 mm standard size)

Tyre marking, electric

Ref. No.	Designation	Content
519 0984	Complete set (letters A-Z)	26
519 0991	Complete set (numbers 0-9)	10
558 7195	Letter A	
558 7205	Letter B	
558 7212	Letter C	
558 7229	Letter D	
558 7236	Letter E	
558 7243	Letter F	
558 7250	Letter G	
558 7267	Letter H	
558 7274	Letter I	
558 7281	Letter J	
558 7298	Letter K	
558 7315	Letter L	
558 7322	Letter M	
558 7339	Letter N	
558 7346	Letter O	
558 7353	Letter P	
558 7360	Letter Q	
558 7377	Letter R	
558 7384	Letter S	
558 7391	Letter T	
558 7401	Letter U	
558 7418	Letter V	
558 7425	Letter W	
558 7432	Letter X	
558 7449	Letter Y	
558 7456	Letter Z	
558 7463	Number 1	
558 7470	Number 2	
558 7487	Number 3	
558 7494	Number 4	
558 7504	Number 5	
558 7511	Number 6	
558 7528	Number 7	
558 7535	Number 8	
558 7542	Number 9	
558 7559	Number 0	
558 7170	Special character (+)	
558 7160	Special character (-)	



Letters and numbers (for tyre marking)



Automotive

Buffing Motors and Hand Tools

Electric Tools

44 - 47

Pneumatic Tools

48 - 50

D

Outstanding products



Buffing motor

Page 44



Air buffer

Page 48



Patch hammer

Page 49

Electric Tools

Special buffing motors

- High-quality motors for driving shafts - long-term tried and tested
- Modern, user-oriented motor technology for long life and improved safety
- High torque
- Safety switch on the shaft hand piece
- Motor brake prevents after-running of the tool - providing improved safety at work
- Optional adapters for different shafts available
- With suspension which can be integrated into existing carrying/rail systems



595 1264



595 1350



595 0485



595 0409



595 0492



595 0416



595 0911



595 0447



595 1381



595 1305

Ref. No.	Designation	Rotating speed	Voltage	Power	Shaft
595 1264	Buffing motor Scope of delivery: • 595 1305 1 safety switch for shaft hand piece	1400 1/min	220/240 V	1.1/1.5 kW/HP	15
595 1271	Buffing motor Scope of delivery: • 595 1305 1 safety switch for shaft hand piece	2800 1/min	220/240 V	1.1/1.5 kW/HP	15
595 1288	Buffing motor Scope of delivery: • 595 1305 1 safety switch for shaft hand piece	1400/2800 1/min	380/400 V	1.1/1.5 kW/HP	15
595 1350	Buffing motor VARIO SPEED Scope of delivery: • 595 1374 1 adapter from shaft connection W 12 (motor) to shaft W 15 • 595 1305 1 safety switch for shaft hand piece	1800 - 4500 1/min	220/240 V	1.1/1.5 kW/HP	W12

Buffing Motors and Hand Tools

Ref. No.	Designation	Length
Accessories:		
595 0382	Flexible shaft W 10, rubber cover	approx. 2000 mm
595 0485	Flexible shaft W 12, rubber cover	approx. 2000 mm
595 0409	Flexible shaft W 12, metal cover	approx. 2000 mm
595 0492	Flexible shaft W 15, rubber cover	approx. 2000 mm
595 0416	Flexible shaft W 15, metal cover	approx. 2000 mm
595 0399	Spare inner shaft For use with: • Flexible shaft W 10 (595 0382)	
595 0423	Spare inner shaft For use with: • Flexible shaft W 12 (595 0409) • Flexible shaft W 12 (595 0485)	
595 0430	Spare inner shaft For use with: • Flexible shaft W 15 (595 0492) • Flexible shaft W 15, metal cover (595 0416)	
595 0911	Spare rubber cover For use with: • Flexible shaft W 12 (595 0485)	
595 0928	Spare rubber cover For use with: • Flexible shaft W 15 (595 0492)	
595 0447	Spare metal cover For use with: • Flexible shaft W 12 (595 0409)	
595 0454	Spare metal cover For use with: • Flexible shaft W 15 (595 0416)	
595 0461	Spare aluminium hand piece For use with: • Flexible shaft W 12 and W 15	
595 1295	Adapter For use with: • Flexible shaft W 12 to shaft connection W 15 (motor)	
595 1374	Adapter For use with: • Flexible shaft W 15 to shaft connection W 12 (motor)	
595 1312	Suspension For use with: • Buffing motors except for Vario Speed	
595 1381	Mobile stand universal For use with: • Buffing motor, low-speed (595 1264) • Buffing motor, high-speed (595 1271) • Buffing motor, two-speed (595 1288) • Buffing motor, Vario Speed (595 1350)	
595 1305	Safety switch Scope of delivery: • 1 connector For use with: • Shaft hand piece	

Hand drills

- Powerful machines for driving buffing and milling tools



571 9110



594 0880

Ref. No.	Designation	Rotating speed	Weight	Electric power/ connection	Output power	Impact rate	Collar dia.	Span
571 9110	DUSS hand drill B13/2 RLE <ul style="list-style-type: none"> • Clockwise/anticlockwise rotation • High torque (45 Nm in first gear) For use with: <ul style="list-style-type: none"> • EM/OTR repairs 	0 - 450; 0 - 1550 1/min	1.9 kg	220/650 V/W				
594 0880	METABO impact drill SBE 1010 Plus CODE <ul style="list-style-type: none"> • Quick-action keyless chuck • Rubber-coated handle • Drilling depth guide • Fast switch-over from drilling to impact mode • Fast speed in second gear • Electronic speed control with full-wave electronics • Thumbwheel for preselection of speed • Forward/reverse change-over switch in ergonomic arrangement with shift lock • Rugged magnesium die-cast gear housing • Robust, generously sized spindle bearing 	0 - 950; 0 - 2400 1/min	2.4 kg	220 - 240/ 1010 V/W	610 W	50000 1/min	43 mm	1-13 mm chuck

Ref. No.	Designation	Rotating speed	Weight	Electric power/ connection	Impact rate	Torque
594 0590	BOSCH impact drill PSB 550 RE <ul style="list-style-type: none"> • BOSCH Press + Lock keyless chuck for easy tool changes due to drill spindle locking at the push of a button • PowerLight: accurate drilling even in poor lighting conditions • BOSCH Electronic: speed control using the trigger switch and setting wheel for material-specific working • Forward/reverse operation 	0 - 3000 1/min	1.5 kg	220 - 240/ 550 V/W	48000 1/min	max. 7.5 Nm

Electric fret saw

- For removing damaged material when skiving out injuries on EM tyres; continuously adjustable speed; extra blade motion can be selected to facilitate your work
- Supplied in metal case



595 4852

Ref. No.	Designation	Stroke	Speed	Weight	Electric power/ connection	Rated input power	Length	Content
595 4852	Electric fret saw	27 mm	0 - 2400 1/min	3.9 kg	230/1300 V/W	850 W		
Accessories:								
595 4883	Saw blades For use with: • Steel/rubber						200 mm	5
595 4876	Saw blades For use with: • Steel/rubber						150 mm	5

Drying hood

- Ideal for drying moist cement coats

Caution:

- Not to be used for inflammable curing solutions, cements etc.



595 3420

595 3444

Ref. No.	Designation	Electric power/ connection	Size	Power
595 3420	Infra drying hood Scope of delivery: • 1 connection cabel 2 m	230 V	600 x 600 mm [L x W]	1.2 kW
595 3396	Infra-drying hood Scope of delivery: • 1 plug • 1 power cable 2 m	115 V	600 x 600 mm [L x W]	1.2 kW
595 3444	Reserve heating-element	230 V		1.2 kW

Pneumatic Tools

Heavy-duty buffers

- For buffing and grinding work, rear exhaust through hose



595 0234

595 5583



595 0470

595 2590



595 0258



517 2933



519 6775



517 3097

Ref. No.	Designation	Rotating speed	Operating pressure	Electric power/ connection
----------	-------------	----------------	--------------------	----------------------------

595 0234	Air buffer AIR SUPER (type PN) UT 8742 HMA, quick release (QR) chuck	0 - 3600 1/min	6 - 8 bar	
----------	---	-------------------	-----------	--

595 5583	Air buffer AIR SUPER RC7078RED, with quick release (QR) chuck Scope of delivery: • 1 extract air tube (approx. 3 m)	0 - 4000 1/min	6.3 bar	
----------	---	-------------------	---------	--

595 0470	OTR air buffer UG-1250-LM, with lateral exhaust hose	7200 1/min		3/8 inch
----------	---	---------------	--	----------

595 2590	Air buffer UG-65-EBL For use with: • Quick coupling QC3/8 - 24" (519 6603)	14600 1/min		3/8 inch
----------	--	----------------	--	----------

595 0258	Air Buffer UT 8721, high speed, with 6 mm collet chuck	0 - 22000 1/min	6 - 8 bar	
----------	---	--------------------	-----------	--

517 2933	Air buffer CP 871, with chuck and 2 m hose	0 - 20000 1/min	6 - 8 bar	
----------	---	--------------------	-----------	--

595 0272	Chuck key For use with: • MLH chuck			
----------	---	--	--	--

Accessories:

519 6775	Collet chuck reducer, 6 mm to 3 mm For use with: • Air Buffer UT 8721, high speed, with 6 mm collet chuck (595 0258) • All chucks (6 mm)			
----------	---	--	--	--

517 2940	Exhaust hose, 2 m For use with: • Air buffer CP 871 (517 2933)			
----------	--	--	--	--

517 2861	Exhaust hose 3 m PN, models up until 2005 For use with: • Air buffer AIR SUPER (type PN) UT 8742 HMA (595 0234) • Air buffer GP-0560SW (595 0790) • Air buffer ST-3TB (595 0760)			
----------	--	--	--	--

595 5590	Exhaust hose RC For use with: • Air buffer AIR SUPER RC with quick release (QR) chuck (595 5583)			
----------	--	--	--	--

517 3097	Universal Quick-Twist clamping chuck, with 3/8" thread • For changing tools quickly and easily			
----------	--	--	--	--

517 2870	Exhaust hose 3 m PN, corrugated, 2006 and later models For use with: • Air buffer AIR SUPER (type PN) UT 8742 HMA (595 0234)			
----------	--	--	--	--

595 4450	AIR-TOOL maintenance oil 2000, 1 litre • Specifically developed for the maintenance of air tools • Always ensures reliable motor lubrication through the air connection, and prevents rust build-up in the drive unit • Increased service life of tools • Prevents the build-up of residue of resins, dirt, rust particles etc. • Danger class 0			
----------	--	--	--	--

Buffing Motors and Hand Tools

Air buffers for retreading work

- These air buffers were specifically designed for tough continuous duty
- Thanks to their long shape they allow two-handed use, which reduces fatigue
- Low weight
- Plastic machine insulation
- Rear air exhaust



595 0790



595 0760

Ref. No.	Designation	Rotating speed	Weight	Operating pressure
595 0790	Air buffer GP-0560SW, with quick release (QR) chuck	0 - 3200 1/min	1.5 kg	6 - 8 bar
595 0760	Air buffer ST-3TB, with 6 mm collet chuck Scope of delivery: <ul style="list-style-type: none"> • 1 6 mm collet chuck • 1 8 mm collet chuck • 2 tool holders 	0 - 22000 1/min	1.2 kg	6 - 8 bar




D

Patch hammer

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



517 3602

Ref. No.	Designation	Electric power/ connection	Weight	Operating pressure	Width   
517 3602	Patch hammer, large, with metal ram	1/4 inch	1.9 kg	6 - 8 bar	• • •
538 1009	Pressure equalizing cloth, sold by metres				1250 mm
Accessories:					
517 3619	Replacement spring For use with: <ul style="list-style-type: none"> • Patch hammer, large (517 3602) 		55 g		
517 3626	Replacement ram For use with: <ul style="list-style-type: none"> • Patch hammer, large (517 3602) 		262 g		

Pneumatic angle grinder

- Compact, handy pneumatic tool for the preparation of the tyre surface and removal of tyre markings according to ECE 109 standard



518 3733

Ref. No.	Designation	Rotating speed	Operating pressure	Air consumption	Electric power/ connection	Weight	Dia.
518 3733	Angle grinder, pneumatic	16000 1/min	6 - 8 bar	420 l/min	1/4 inch	0.8 kg	
Accessories:							
518 3740	Grinding disk For use with: • Angle grinder, pneumatic (518 3733)						50 mm
518 3764	Grinding pad For use with: • Angle grinder, pneumatic (518 3733)						75 mm

Vacuum cleaner for dust/water



- For removal of dust and water from the tyre



519 7028

Ref. No.	Designation	Intake volume	Length
519 7028	Vacuum cleaner, for dust/water, pneumatic		
519 7180	Vacuum cleaner, for dust/water, pneumatic	5.5 l/min with 4 bar 7.5 l/min with 6 bar 8.0 l/min with 8 bar	340 mm

519 7080	Spare vacuum bag For use with: • Vacuum cleaner for dust/water (519 7028)		
----------	---	--	--

Accessories:

519 7097	Replacement hose For use with: • Vacuum cleaner for dust/water (519 7028)		
----------	---	--	--

519 7630	Activator For use with: • Vacuum cleaner for dust/water (519 7028)		
----------	--	--	--

Stapler

- For the joining of tread splices when a tyre is retreaded

Ref. No.	Designation	Operating pressure	Staple width	Width
518 4309	Stapler, pneumatic	5 - 6 bar		
Accessories:				
519 7170	Staple remover			
518 4323	Staples		16 mm	12 mm
518 4316	Staples		10 mm	12 mm

D



519 7180



Automotive

Special Tools for Tyre Handling and Regrooving

Lighting	52 - 53
Tyre spreaders	53 - 55
Bead breakers, pumps and sealing rings	56 - 60

E

Outstanding products



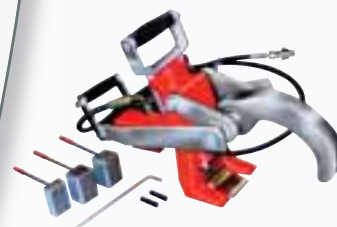
Tyre spreader

Page 53



EM mounting set,
25" - 38"

Page 56



OTR EM bead breaker

Page 58

Lighting

Lighting

- The right light for every job



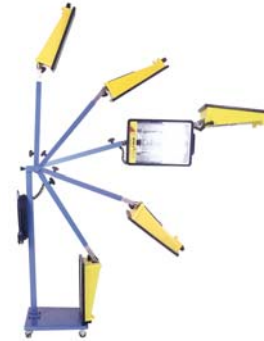
595 3004



517 4522



571 9520, 594 0910



571 9740








571 9750

Ref. No.	Designation	Electric power/ connection	Length	W				
595 3004	Tyre inspection lamp, with holder For use with: • Tyre widths from 5.5" to 18"	220/8 V/W			•	•	•	
517 4522	Halogen lamp, magnetic Scope of delivery: • 1 12 V bulb	230/12 V/W			•	•	•	
571 9520	Working light OPUS I • Ease-of-servicing design • No flickering light • Quick-change bulb • Slender shape • Sturdy housing • Power cord (5 m) • TC-SEL lamp	230/11 V/W			•	•	•	•
594 0910	Flexarm 500 magnetic clamp OPUS I		500 mm					
571 9740	Working light Light Master 2 • Designed especially for use in demanding workshop environments • Brilliant for providing lighting to tractor/OTR tyres when carrying out repairs • Safe and simple handling • Energy-efficient • Rubber tyred castors • Telescopic rail provides wide action radius • Horizontal multiple locking capability for individual adjustments • Stable stand thanks to cast-iron base of approx. 30 kg • Possibility to connect further electrical devices • Flexible connection cable, oil and petrol resistant	230/50 V/Hz		2 x 24				• •
571 9750	Work light OPUS 2, with power socket • This work light is perfect for providing additional lighting in dark working conditions	230/50 V/W		2 x 24				• •

E

Special Tools for Tyre Handling and Regrooving

Ref. No.	Designation	Electric power/ connection	Length	W					
571 9760	Spare fluorescent tube For use with: • Working light Light Master 2 (571 9740) • Working light OPUS 2 with power socket (571 9750)			24					
	Accessories:								
517 4539	Spare lamp, 12 V For use with: • Halogen lamp, magnetic (517 4522)								
	Spare parts:								
595 3028	Tyre inspection lamp, without holder For use with: • Tyre widths from 5.5" to 18" • Tyre inspection lamp (595 3004)	220/8 V/W			•	•	•		
595 3011	Holder For use with: • Tyre inspection lamp without holder (595 3028)				•	•	•		

Tyre spreaders

Tyre spreaders

- Tyre spreaders for preparing the inspection and repair of truck and car tyres
- High stability and strength
- Easy operation
- Wide spreading range
- Also suitable for very stiff beads



519 8780



517 6984



519 9181



517 6991






519 9239



519 9222



519 9200

Ref. No.	Designation	Weight	Size	Spreading range	Operating pressure				
519 8780	Truck tyre spreader, with clamping mechanism Scope of delivery: • 581 0030 1 instruction manual	4.4 kg	770 x 200 x 90 [L x W x H mm]	50 - 600 mm		•	•		
517 6984	Truck tyre spreader, pneumatic	approx. 4.4 kg		100 - 350 mm	6 - 8 bar	•	•		

Ref. No.	Designation	Weight	Size	Spread- ing range	Operating pressure	Spread- ing force	Tyre size				
519 9181	EM bead spreader, hydraulic • Hydraulic bead spreader for EM tyres with stiff beads • Pump not included in standard shipment For use with: • Hydraulic pump for hand-/foot operation 500 bar (519 1512) • Foot pump, pneumatico-hydraulic, 500 bar (519 1529)	42 kg		200 - 1150 mm	500 bar	5.5 t	20 - 57 inch			•	
517 6991	Spreader bars, truck • For securing spread tyre beads	1.2 kg		230 - 360 mm						•	
519 9239	EM Spreader bars • For securing spread tyre beads	6 kg		340 - 550 mm							•
519 9222	EM tyre spreader, with clamping mechanism Scope of delivery: • 581 0190 1 instructions	9.0 kg	937 x 466 x 120 mm [L x W x H]	100 - 530 mm						•	•
519 9200	EM bead spreader, mechanical • Mechanical bead spreader for EM tyres and tyres with stiff beads	28 kg		100 - 975 mm		3 t	20 - 57 inch				•

E




Special Tools for Tyre Handling and Regrooving

Tyre lift spreader

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



519 9198

Ref. No.	Designation	Lifting capacity at 12 bar	Lifting capacity at 15 bar	Lifting height	Tyre size	Size	Weight	Operating pressure			
519 9150	Tyre lift spreader	approx. 200 kg	approx. 300 kg	max. 450 mm	max. 18R22.5 inch	1150 x 780 x 900 mm [W x D x H]	150 kg		•	•	•
519 9198	Tyre lift spreader SUPER	approx. 200 kg	approx. 300 kg	max. 450 mm	max. 18R22.5 inch	1150 x 780 x 900 mm [W x D x H]	160 kg	max. 10 bar	•	•	•

Accessories:

- 519 9167 **Set of EM extensions**
For use with:
- Tyres up to 23.5 R 25"

Bead breakers, pumps and sealing rings

EM mounting set

- Suitable for demounting and mounting EM tyres, also on the vehicle
- The mounting set is used to press off the rings of multi-piece rims
- For mounting, the breaking cylinder is put against the vehicle frame and the tyre is pressed off the rim by the rear flange ring
- The mounting set can also be used in case of inflation problems
- The flange ring is then pressed against the sealing ring/tyre bead until the tyre is sufficiently pressurized



519 1581

Ref. No.	Designation	Size	Operating pressure	Weight	Spreading range	
519 1581	EM mounting set, 25" - 38" • Base frame in wooden box, without the pump Scope of delivery: • 1 breaking cylinder • 2 threaded spindles with claw (440 mm) • 2 threaded spindles with bracket (400 mm) • 2 tyre levers, different length • 1 spanner	1200 x 500 x 220 mm [L x W x H]				•
519 1550	Extension set, 51" Scope of delivery: • 1 extension frame • 1 extension spindle • 1 nuts M 24 • 2 nuts M 12 • 2 bolts M 12 For use with: • EM mounting kit (519 1581)					•
Accessories:						
519 1567	Bead breaking cylinder, with adjusting spindle for inside breaking • Included in EM mounting set		500 bar	8 kg	250 mm	•


Special Tools for Tyre Handling and Regrooving

OTR/EM bead breaker

- The EM bead breaker (23" - 49") is suitable for EM tyres on 5-piece rims
- Not damaging to the beads because the enormous force is not applied to the tyre, but to the two side rings
- As a rule, the tyres are demounted on-vehicle, that is with the wheels fitted on the vehicle
- The bead breaker can also be used on demounted wheels in the workshop



519 1598

Ref. No.	Designation	Bead Breaking force	Weight 
519 1598	EM bead breaker STANDARD <ul style="list-style-type: none"> • Pump not included in standard shipment Scope of delivery: <ul style="list-style-type: none"> • 571 6375 1 puller hook number 1 • 558 6749 1 puller hook number 2 For use with: <ul style="list-style-type: none"> • Hand/-foot pump hydraulic (519 1512) • Foot pump, air-hydraulic (519 1529) 	500 bar	15 kg •

OTR/EM bead breaker GIGANT


- The EM bead breaker is suitable for EM tyres on 5-piece rims
- Not damaging to the beads because the enormous force is not applied to the tyre, but to the two side rings
- As a rule, the tyres are demounted on-vehicle, that is with the wheels fitted on the vehicle
- The bead breaker can also be used on demounted wheels in the workshop



EM bead breaker GIGANT II with carriage



519 1725

Ref. No.	Designation	Bead Breaking force	Weight 
519 1725	EM bead breaker GIGANT I <ul style="list-style-type: none"> • EM bead breaker (23" - 49") • Pump not included in standard shipment Scope of delivery: <ul style="list-style-type: none"> • 558 9234 1 adjustable counter-support • 558 6440 1 counter support 49" • 558 6749 1 puller hooks number 2 • 558 9227 1 puller hooks number 19 • 1 insert segment dia. 20, 30, 40, 50 mm 	700 bar	30 kg •
519 1677	EM bead breaker GIGANT II <ul style="list-style-type: none"> • EM bead breaker (51" - 57") • Dual drawing hook mechanism for use on a balancer/suspension device • Pump not included in standard shipment Scope of delivery: <ul style="list-style-type: none"> • 1 adjustable counter-support • 1 insert segment, height 17, 25, 40 mm • 1 counter-support 51" 	700 bar	70 kg •
Accessories:			
519 1684	Carriage <ul style="list-style-type: none"> • For use with: • EM bead breaker GIGANT II (519 1677) 		•
558 6464	Counter-support, 57" <ul style="list-style-type: none"> • For use with: • EM bead breaker GIGANT II (519 1677) 		•

Bead breaker

- Hydraulic claw breaker for breaking the beads on mounted or demounted wheels



519 1730



558 2620



558 2640






558 2650



558 2660



519 1574

Ref. No.	Designation	Bead Breaking force	Weight   
519 1730	OTR EM bead breaker type 3 <ul style="list-style-type: none"> The OTR bead breaker is designed for the new generation of three-piece OTR/EM wheels without groove in the bead area Construction and handling are similar to the AS bead breaker Utilising well-proven technology the OTR bead breaker has been perfected to suit its specific application area Pump not included in the standard shipment 	700 bar	23 kg •
558 2620	Bead Breaking Jaw Type 3, up to 25" For use with: <ul style="list-style-type: none"> OTR EM bead breaker type 3 (519 1730) 		•
558 2650	support legs, new shape For use with: <ul style="list-style-type: none"> OTR EM Bead Breaker type 3 (519 1730) 		•
519 1574	Bead breaker AS <ul style="list-style-type: none"> No other tools are required thanks to the bead breaking force of 5 tons Suitable for tyres on one-piece drop centre rims, Unimog tyres, pneumatic fork lift tyres Truck tyres on combi-ring rims and tubeless 14/80 R20 (Pilote) tyres on four-piece flat base rims Tubeless tractor, grader and EM tyres on three-piece semi drop centre rims with locking ring Pump not included with the tool 	500 bar	22 kg • •
Accessories:			
558 2640	Bead Breaking Jaw short, up to 2" For use with: <ul style="list-style-type: none"> OTR EM Bead Breaker Type 3 (519 1730) 		•
558 2660	Bead breaking jaw long, up to 3"		•
558 2630	Bead Breaking Jaw, standard, new For use with: <ul style="list-style-type: none"> OTR EM Bead Breaker Type 3 (519 1730) 		•

Special Tools for Tyre Handling and Regrooving

Pumps

- Hydraulic pumps for bead breakers



519 1512



519 1513





519 1529



519 1520




519 1691

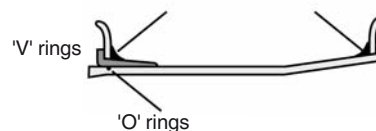
Ref. No.	Designation	Bead Breaking force	Electric power/ connection	Weight	Size	Content		
519 1513	Hand/foot pump, hydraulic For use with: • OTR EM bead breaker type 3 (519 1730)	700 bar						•
519 1520	Foot pump, pneumatic-hydraulic • Pneumatic assistance speeds up pumping • Foot switch with 2 positions (pump/release) For use with: • OTR EM bead breaker type 3 (519 1730)	700 bar	3/8 for oil; 1/4 for air inch	5.3 kg	295.5 x 112 x 172 mm [L x W x H]			•
519 1691	Foot pump, pneumatic-hydraulic • For bead breakers with large oil volume such as the "GIGANT" series For use with: • EM bead breaker GIGANT I (519 1725) • EM bead breaker GIGANT II (519 1677)	700 bar						•
Accessories:								
519 1512	Hand/foot pump, hydraulic For use with: • Wheel/tyre remover							• •
519 1529	Foot pump, pneumatic-hydraulic For use with: • Wheel/tyre remover							• •
585 1630	Coupling sleeve 3050-3 3/8 NPTF For use with: • Foot pump, pneumatic-hydraulic (519 1520)							
585 1993	Snap-on connector 1/4" outside For use with: • Foot pump, pneumatic-hydraulic (519 1520) • Foot pump, pneumatic-hydraulic (519 1529)					3 pieces		
Spare parts:								
585 3355	Techno coupling For use with: • Foot pump, pneumatic-hydraulic (519 1529)							
585 3348	Male connector 3/8" BSP - 3/8" NPTF, with copper ring For use with: • Foot pump, pneumatic-hydraulic (519 1529)							

O-Sealing rings

O-rings:


- For sealing the tyre beads of graders, earth movers and other heavy OTR vehicles with split rims

Ref. No.	Designation	Nominal dia.	Dia. 
563 2002	'O' ring	17 inch	6.6 mm •
563 2019	'O' ring	20 inch	6.6 mm •
563 2026	'O' ring	24 inch	6.6 mm •
563 2033	'O' ring	25 inch	6.6 mm •
563 2040	'O' ring, thick	25 inch	9.5 mm •
563 2057	'O' ring	29 inch	9.5 mm •
563 2064	'O' ring	33 inch	9.5 mm •
563 2071	'O' ring	35 inch	9.5 mm •
563 2088	'O' ring	39 inch	9.5 mm •
563 2095	'O' ring	45 inch	9.5 mm •
563 2105	'O' ring	49 inch	9.5 mm •
563 2112	'O' ring	51 inch	9.5 mm •
563 2129	'O' ring, extra thick	51 inch	12.7 mm •
563 2136	'O' ring	57 inch	12.7 mm •



V-Sealing rings

- Ensure an improved air seal where the tyre bead meets the rim and flange
- Particularly suitable for radial tyres on split rims

Ref. No.	Designation	Nominal dia. 
563 2208	'V' ring	20 inch •
563 2215	'V' ring	24 inch •
563 2222	'V' ring	25 inch •
563 2239	'V' ring	29 inch •
563 2246	'V' ring	33 inch •
563 2253	'V' ring	35 inch •
563 2260	'V' ring	39 inch •
563 2277	'V' ring	45 inch •
563 2284	'V' ring	49 inch •
563 2291	'V' ring	51 inch •
563 2301	'V' ring	57 inch •



Automotive

Vulcanizing Machines and Accessories

Thermopress machines (TP)	62
Thermopress addition, accessories and spare parts	63 - 65
Thermopress EM	66 - 70
Equipment for Working Places	71 - 72
Bead vulcanizing	72
REMA TIP TOP Extruders	73 - 75

F

Outstanding products



Thermopress EM II Page 67



RTT Extruder normal Page 73

Thermopress machines (TP)

Thermopress TP II



	517 1532	517 1525
Electric power/ connection	115/540 V/W	230/540 V/W



517 1525, 517 1532

Ref. No.	Designation
----------	-------------

517 1532	Thermopress II ECONOMY, 115 V
-----------------	--------------------------------------

Scope of delivery:

- 517 3585 2 heating plates 115 V
- 517 7055 1 timer unit 0 - 120 min
- 517 1295 1 U-clamp
- 517 3248 1 extension for heating plate
- 517 1941 1 set of pressure equalizing pads
- 517 7172 1 rubber cover for car tyres
- 517 7165 1 rubber cover for truck tyres
- 517 7158 1 heating plate cover, truck, top
- 517 2294 1 base plate
- 581 1560 1 user's manual

517 1525	Thermopress II ECONOMY, 230 V
-----------------	--------------------------------------

Scope of delivery:

- 517 3578 2 heating plates 230 V
- 517 7048 1 timer unit 0 - 120 min
- 517 1295 1 U-clamp
- 517 3248 1 extension for heating plate
- 517 1941 1 set of pressure equalizing pads
- 517 7172 1 rubber cover for car tyres
- 517 7165 1 rubber cover for truck tyres
- 517 7158 1 heating plate cover, truck, top
- 517 2294 1 base plate
- 581 1560 1 user's manual

Thermopress addition, accessories and spare parts

Accessories, spare parts – Thermopress



517 3578, 517 3585



517 3248



517 1958



517 7172



517 7165



517 3255



517 3633

Ref. No.	Designation	Electric power/ connection	Size	Content					
517 3729	Spare heating plate Thermopress, without aluminium casing • With vulcanized heating filament, thermo regulator and excess temperature cut-out as well as cable and circular plug (4-pole) For use with: • Thermopress II ECONOMY (517 1532) • Thermopress PNEUMATIC (517 3531)	115/270 V/W		• • • • •	•	•	•	•	•
517 3585	Spare heating plate Thermopress, with aluminium casing, 115 V Scope of delivery: • 517 3633 1 heating plate aluminium casing • 517 3729 1 heating plate bottom part (electric system) For use with: • Thermopress II ECONOMY (517 1532)	115/270 V/W		• • • • •	•	•	•	•	•
517 3640	Spare heating plate Thermopress, without aluminium casing • With vulcanized heating filament, thermo regulator and excess temperature cut-out, cable and safety plug For use with: • Thermopress PNEUMATIC (517 3531) • Thermopress II ECONOMY (517 1525)	230/270 V/W		• • • • •	•	•	•	•	•
517 3578	Spare heating plate Thermopress, with aluminium casing, 230 V Scope of delivery: • 517 3633 1 heating plate aluminium casing • 517 3640 1 heating plate bottom part (electric system) For use with: • Thermopress II ECONOMY (517 1525) • Thermopress PNEUMATIC (517 3531)	230/270 V/W		• • • • •	•	•	•	•	•




Ref. No.	Designation	Electric power/ connection	Size	Rope length	Con- tent					
517 3578	Spare heating plate Thermopress, with aluminium casing, 230 V Scope of delivery: • 517 3633 1 heating plate aluminium casing • 517 3640 1 heating plate bottom part (electric system) For use with: • Thermopress II ECONOMY (517 1525) • Thermopress PNEUMATIC (517 3531)	230/270 V/W				•	•	•	•	•
517 7055	Thermopress control box, 115 V				1					
517 7048	Thermopress control box, 230 V				1					
517 7189	Timer kit For use with: • All Thermopress machines									
517 3248	Extension short, for lower heating plate For use with: • Heating plate, lower part					•	•			
517 1264	Rubber cover For use with: • Valve pressure plate (517 0454)					•	•	•	•	•
517 1958	Aluminium heating plate For use with: • Thermopress II ECONOMY (517 1525) • Thermopress PNEUMATIC (517 3531)		210 x 140 mm [L x W]			•	•	•	•	•
517 7172	Rubber cover For use with: • Thermopress II ECONOMY lower heating plate (517 1525) • Thermopress PNEUMATIC lower heating plate (517 3531)					•				
517 7165	Rubber cover For use with: • Thermopress II ECONOMY lower heating plate (517 1525, 517 1532) • Thermopress PNEUMATIC lower heating plate (517 3531)						•	•	•	•
517 3042	Suspension device Thermopress									
517 3255	Rubber pre-heating plate • Even thicker rubber sheets can be easily applied, if pre-heated. • Set to 80 °C (176 °F) For use with: • SV bonding rubber • Thermopress MTR RUBBER • T2 COMPOUND A • T2 COMPOUND B	230/160 V/W	500 x 200 mm [L x W]							
517 3633	Heating plate aluminium casing, top part					•	•	•	•	•

Vulcanizing Machines and Accessories

Aluminium heating plate profile shapes, ECO & PNEUMATIC

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



Ref. No.	Designation	Size	Content	  
517 3327	Sidewall pressure plate B3 For use with: • Sidewall repairs • Trucks, 80-series	130 x 208 mm [L x W]	•	
517 4003	Sidewall pressure plate 275/70 R 22.5 For use with: • Sidewall repairs • Trucks, 70-series	210 x 115 mm [L x W]	•	
517 3365	Tread pressure plate For use with: • tread (inside)	200 x 130 mm [L x W]	• • •	
517 3310	Aluminium heating plate profile shape, flat For use with: • Tread (outside)	225 x 150 mm [L x W]	• •	
517 3963	Aluminium heating plate profile shape, contour For use with: • Truck tyre tread (outside) and shoulder	230 x 150 mm [L x W]	•	
517 3970	Aluminium contour segment For use with: • Aluminium heating plate profile shape (517 3963) • Truck tyre tread (outside) and shoulder	230 x 150 mm [L x W]	•	
517 3987	Aluminium heating plate cover For use with: • Truck tyre shoulder	210 x 140 mm [L x W]	•	
517 7158	Heating plate attachment, top		1 •	

Thermopress EM

Thermopress EM machines



- Hot vulcanizing machine for repairing injuries to the tread, shoulder or sidewall of radial, cross-ply OTR/EM tyres, with the use of REMA TIP TOP repair patches



517 7701

	517 7701	517 5002	517 7804
Voltage	230 V	230 V	380 V/50 H/3 Ph
Operating pressure	4 - 8 bar	max. 160 bar	max. 160 bar
Pressing power	approx. 3 t		
Curing temperature	approx. 175 °C	approx. 175 °C	approx. 175°C
Size	2550 x 2110 x 1170/1370 mm [L x W x H]	2600 x 2500 x 1770 [L x W x H mm]	
Weight	270 kg	459 kg	1300 kg
Electric power/ connection			3 N AC 400 V (230/400 V)

Ref. No. Designation

517 7701	<p>Thermopress EM I, pneumatic</p> <ul style="list-style-type: none"> • Sturdy construction provides easy maintenance and a long service life • Adaptation to every repair position by a built-in tilting and swivelling mechanism • Electronic temperature controller with display is integrated • Upper parts of frame zinc-plated • Electronic temperature control with digital temperature display for each heating plate • Electronic curing time control, from 0 to 99 hours • Pneumatic pressure system, max. pressing power approx. 3 tons at 8 bar (115 PSI) <p>Scope of delivery:</p> <ul style="list-style-type: none"> • 1 mobile undercarriage • 1 energy block/control unit • 1 complete frame • 2 pressure plates • different slip-on contour segments <ul style="list-style-type: none"> • 517 6001 1 Thermopress EM heating plate No. 1 • 517 6025 1 Thermopress EM heating plate No. 2 • 581 1160 1 user's manual <p>For use with:</p> <ul style="list-style-type: none"> • EM tyres up to size 33.25-35
----------	---

Thermopress EM machines – continued



Ref. No. Designation

- 517 5002 Thermopress EM II, electro-hydraulic**
- Universal frame adjustment, suitable for the repair of radial and cross-ply tyres up to size 30.00-51 in the basic version
 - Electronic temperature controller with digital display of actual and desired temperature
 - Upper parts of frame zinc-plated
 - Electronic temperature control with digital temperature display for each heating plate
 - Electronic curing time control, from 0 to 99 hours
- Scope of delivery:**
- 1 mobile undercarriage
 - 1 energy block/control unit
 - 1 complete frame
 - 3 pressure plates
 - different slip-on contour segments
 - 517 6025 1 Thermopress EM heating plate No. 2
 - 517 6032 1 Thermopress EM heating plate No. 3
 - 581 3190 1 user's manual



517 5002

- 517 7804 Thermopress EM III, electrohydraulic**
- For the repair of large EM tyres from 30.00-51 to 67.5/60-51 and 54.00 R69 using REMA TIP TOP OTR/EM repair patches
 - Mobile construction with universal tilt-and-swivel frame
 - Digital instrumentation and electronic control ensure the right pressure, temperature and cure time
 - Can also be connected to 230 V
 - Upper parts of frame zinc-plated
 - Electronic temperature control with digital temperature display for each heating plate
 - Electronic curing time control, from 0 to 24 hours
 - Hydraulic pressure system with resetting device
- Scope of delivery:**
- 1 movable undercarriage
 - 1 energy block/control unit
 - 1 complete undercarriage
 - 2 pressure plates
 - different slip-on contour segments
 - 517 6032 1 Thermopress EM heating plate No. 3
 - 517 6252 1 Thermopress EM heating plate No. 4
 - 1 user's manual



517 7804

Accessories:

- 517 5727 Thermopress EM accessory GIGANT**
- Scope of delivery:**
- 1 frame slip-on adapter
 - 1 retaining bolt d = 20 mm
 - 1 retaining tube 50 x 280 mm
 - 1 heating plate support, short, 80 x 435 mm
 - 1 heating plate support, medium, 80 x 645 mm
 - 1 heating plate support, long, 80 x 1005 mm
- For use with:**
- Thermopress EM II
 - EM tyres up to 40.00-57"



517 5727

- 517 5253 Extension cable, length 2.5 m**
- For use with:**
- Thermopress EM II

Thermopress EM heating plate

- Complete with heating mat and heating pocket

Ref. No.	Designation	Size			
517 6001	Thermopress EM heating plate No. 1 For use with: <ul style="list-style-type: none"> • Thermopress EM I (517 7701) • Thermopress EM II (517 5002) 	approx. 230 x 230 mm	•	•	•
517 6025	Thermopress EM heating plate No. 2 For use with: <ul style="list-style-type: none"> • Thermopress EM I (517 7701) • Thermopress EM II (517 5002) 	approx. 330 x 330 mm	•	•	•
517 6032	Thermopress EM heating plate No. 3 For use with: <ul style="list-style-type: none"> • Thermopress EM I (517 7701) • Thermopress EM II (517 5002) • Thermopress EM III (517 7804) 	approx. 430 x 430 mm		•	•
517 6252	Thermopress EM heating plate No. 4 For use with: <ul style="list-style-type: none"> • Thermopress EM II (517 5002) • Thermopress EM III (517 7804) 	approx. 530 x 530 mm			•
517 6040	Thermopress EM heating plate No. 5 For use with: <ul style="list-style-type: none"> • Thermopress EM III (517 7804) 	approx. 750 x 550 mm			•

Thermopress EM heating mats



517 5215



517 5239



517 5246

Ref. No.	Designation	Size	Electric power/connection			
517 5215	Thermopress EM heating mat size 1 For use with: <ul style="list-style-type: none"> • Thermopress EM I (517 7701) • Thermopress EM II (517 5002) 	190 x 190 mm	350W	•	•	•
517 5222	Thermopress EM heating mat size 2 For use with: <ul style="list-style-type: none"> • Thermopress EM I (517 7701) • Thermopress EM II (517 5002) 	265 x 265 mm	450W	•	•	•
517 5239	Thermopress EM heating mat size 3 For use with: <ul style="list-style-type: none"> • Thermopress EM I (517 7701) • Thermopress EM III (517 7804) 	365 x 365 mm	800W		•	•
517 5246	Thermopress EM heating mat size 4 For use with: <ul style="list-style-type: none"> • Thermopress EM II (517 5002) • Thermopress EM III (517 7804) 	450 x 470 mm	1100W			•
517 5260	Thermopress EM heating mat size 5 For use with: <ul style="list-style-type: none"> • Thermopress EM III (517 7804) 	735 x 545 mm	2000W			•

Vulcanizing Machines and Accessories

Thermopress EM heating pockets

Ref. No.	Designation	Size			
517 6207	Thermopress EM heating pocket size 1 For use with: • Thermopress EM I (517 7701) • Thermopress EM II (517 5002)	230 x 230 x 18 mm	•	•	•
517 5033	Thermopress EM heating pocket size 2 For use with: • Thermopress EM I (517 7701) • Thermopress EM II (517 5002)	330 x 330 x 35 mm	•	•	•
517 5040	Thermopress EM heating pocket size 3 For use with: • Thermopress EM I (517 7701) • Thermopress EM III (517 7804)	455 x 430 x 35 mm			•
517 6276	Thermopress EM heating pocket size 4 For use with: • Thermopress EM II (517 5002) • Thermopress EM III (517 7804)	555 x 530 x 35 mm			•
517 5961	Thermopress EM heating pocket size 5 For use with: • Thermopress EM III (517 7804)	810 x 645 x 35 mm			•

Thermopress EM-wear and tear items

Ref. No.	Designation	Size
557 3219	Aluminium contour plate	250 x 250 x 2 mm [L x W x H]
557 8836	Aluminium contour plate, bent	250 x 250 x 2 mm [L x W x H]
557 3226	Aluminium contour plate	250 x 250 x 2 mm [L x W x H]
558 0288	Aluminium contour plate	500 x 500 x 2 mm [L x W x H]
517 1900	Aluminium contour plate	800 x 625 x 2 mm [L x W x H]
557 8410	Square wrench SW 17 For use with: • Thermopress EM I (517 7701) • Thermopress EM II (517 5002) • Thermopress EM III (517 7804)	
558 0082	Locking pin For use with: • Thermopress EM I (517 7701) • Thermopress EM II (517 5002) • Thermopress EM III (517 7804)	
557 3855	Fuse link G, 2A For use with: • Thermopress EM heating mat size 1 (517 5215)	20 x 5 mm (L x B)
557 3848	Fuse link G, 4A For use with: • Thermopress EM heating mat size 2 (517 5222) • Thermopress EM heating mat size 3 (517 5239)	20 x 5 mm (L x B)
558 1122	Fuse link G, 6,3A For use with: • Thermopress EM heating mat size 4 (517 5246)	20 x 5 mm (L x B)
558 1139	Fuse link G, 12A For use with: • Thermopress EM heating mat size 5 (517 5260)	20 x 5 mm (L x B)

Ref. No.	Designation
557 3972	Electrical temperature controller For use with: <ul style="list-style-type: none"> • Thermopress EM I (517 7701) • Thermopress EM II (517 5002) • Thermopress EM III (517 7804)

557 4013	Digital timer 24 hours Scope of delivery: <ul style="list-style-type: none"> • 1 clock • 1 base • 1 terminal cover Y92A-48G • 1 adapter for front panel installation • 1 rubber seal For use with: <ul style="list-style-type: none"> • Thermopress EM I (517 7701) • Thermopress EM II (517 5002) • Thermopress EM III (517 7804)
----------	--

557 4115	Hydraulic pressure gauge For use with: <ul style="list-style-type: none"> • Thermopress EM II (517 5002)
----------	--

Thermopress EM segments

Ref. No.	Designation
557 3240	Pair of contour segments No. 1, for EM heating plate no. 1
557 3257	Pair of contour segments No. 2, for EM heating plate no. 1
557 3264	Pair of contour segments No. 3, for EM heating plate no. 1
557 3295	Pair of contour segments No. 6, for EM heating plate no. 2
557 3305	Pair of contour segments No. 7, for EM heating plate no. 2
557 3312	Pair of contour segments No. 8, for EM heating plate no. 2
557 3329	Pair of contour segments No. 9, for EM heating plate no. 2
557 3336	Pair of contour segments No. 10, for EM heating plate no. 2
557 3343	Pair of contour segments No. 11, for EM heating plate no. 2
557 3398	Pair of contour segments No. 14, for EM heating plate no. 3
557 3408	Pair of contour segments No. 15, for EM heating plate no. 3
557 3415	Pair of contour segments No. 16, for EM heating plate no. 3
557 3422	Pair of contour segments No. 17, for EM heating plate no. 3
557 3439	Pair of contour segments No. 18, for EM heating plate no. 3
557 3460	Pair of contour segments No. 21, for EM heating plate no. 4
557 3477	Pair of contour segments No. 22, for EM heating plate no. 4
557 3484	Pair of contour segments No. 23, for EM heating plate no. 4
557 3491	Pair of contour segments No. 24, for EM heating plate no. 4
558 0257	Pair of contour segments No. 25, for EM heating plate no. 4

Equipment for Working Places

EM repair stand



- For easy handling of EM tyres during the repair process
- Speeds up the positioning of the tyre in the EM machine and improves safety at work

	517 3554	517 4254	517 7811
Loading capacity	600 kg	1000 kg	4000 kg
Weight	213 kg	250 kg	1200 kg
Size	1155 x 1280 x 2000 mm [L x W x H]	1150 x 1280 x 2200 mm [L x W x H]	2000 x 2000 x 2600 mm [W x D x H]
Tyre size	max. 29.5 - 29 inch	max. 29.5 - 29 inch	max. 48/95R57 inch
Electric power/ connection		230/50 V/Hz	380/50 V/Hz
Operating pressure			70 bar



517 3554



517 4254



517 7811

Ref. No. Designation

517 3554 EM repair stand, with hoisting winch (manual)

- Total access to the tyre
- Working height of the tyre is adjusted by specially geared hand crank
- The roller bars allow easy rotation to the desired position and eliminate the risk of damage to the bead area
- Castors enable convenient movement

For use with:

- Thermopress EM-I (517 7701)
- Thermopress EM-II (517 5002)

517 4254 EM repair stand, with hoisting winch (electric)

- Provides total access to the tyre
- Working height of the tyre is adjusted by specially geared hand crank
- Electric operation by means of a hand-held controller
- The rollers on which the tyre rests allow easy rotation to the desired position and eliminate the risk of damage to the bead area
- Castors enable convenient movement

For use with:

- Thermopress EM I (517 7701)
- Thermopress EM II (517 5002)

517 7811 EM repair stand, electrically operated

- Designed for the handling of large tyres
- The tyre is lifted by a powerful hydraulic system
- The rollers on which the tyre is positioned are driven electrically
- Configuration for tyres up to 63" available on request

For use with:

- Thermopress EM III (517 7804)



517 4508

REMA TIP TOP PROFI workplace

- The ideal workbench for the tyre specialist, which makes it easy to keep things tidy
- Saves wasting time searching for tools
- Includes illumination, zinc-plated work surface, 4 shelves and 2 multiple tool holders, multiple socket with on/off switch

Ref. No.	Designation	Size
517 4508	Workplace PROFI	1500 x 750 x 2200 mm [W x D x H]



517 4546

Cabinet for repair patches and materials

- For storing patches, tools etc.
- Ideally complements the PROFI workplace
- Local legislation and regulations for the storage of flammable liquids must be observed

Ref. No.	Designation	Size
517 4546	Cabinet for repair patches and materials, lockable • Includes 4 shelves made of galvanized sheet steel	950 x 400 x 1800 mm [W x D x H]

Bead vulcanizing

Bead vulcanizing clamp



- For the repair of rubber damages to the bead of truck and agriculture, low-section and super-single tyres (18" - 24")
- Mobile application is made easy by the compact and handy design
- The well-arranged control unit allows easy operation
- The Thermopress JUNIOR support stand is recommended for safe handling of the control unit



517 4170

517 4170

Operating pressure	3.1 bar
Electric power/connection	230 V
Curing temperature	approx. 140 °C

Ref. No. Designation

517 4170	Bead vulcanizing clamp, universal • Universal bead vulcanizing clamp for transporter and truck tyres as well as for super-single tyres from size 8.25-15 to 12.00-24 and 425/65 R 22.5 tyres Scope of delivery: • 517 4180 1 control unit 230 V • 517 4270 1 pressure control tube • 517 4230 1 bead clamp, painted red • 517 4240 1 pressure mat • 517 4280 1 heating mat • 517 4220 1 flat air cushion
----------	--

REMA TIP TOP Extruders

REMA TIP TOP Extruder NORMAL



	517 7490	517 7505
Electric power/ connection	115/550 V/W	230/550 V/W
Rubber throughput	18 kg/h	18 kg/h
Operating pressure	5 - 8 bar	5 - 8 bar
Weight	3.8 kg	3.8 kg
Temperature range	0 - 120 °C	0 - 120 °C

Ref. No. Designation

517 7490 REMA TIP TOP Extruder NORMAL, pneumatic

517 7505 REMA TIP TOP Extruder NORMAL, pneumatic



517 7505

REMA TIP TOP Extruder GIANT



	517 7512
Electric power/connection	230/550 V/W
Rubber throughput	24 kg/h
Operating pressure	5 - 8 bar
Weight	4,5 kg
Temperature range	0 - 120 °C

Ref. No. Designation

517 7512 REMA TIP TOP Extruder GIANT



517 7512

REMA TIP TOP Extruder



	517 7529
Electric power/connection	230/1200 V/W
Rubber throughput	30 kg/h
Weight	7 kg
Temperature range	0 - 120 °C

Ref. No. Designation

517 7529 **REMA TIP TOP Extruder GIANT ELEKTRO**

- Especially suitable for filling skives on EM tyres
- High throughput allows quick filling of the skive



517 7529

Accessories – REMA TIP TOP extruders

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



Accessories -
REMA TIP TOP extruders



557 6333



557 6780



557 6340



517 7402

Ref. No.	Designation	Electric power/connection
557 6333	Heating resistor, adhesive For use with: <ul style="list-style-type: none"> • REMA TIP TOP Extruder NORMAL (517 7505) 	230 / 300 V/W
557 6546	heating resistance, adhesive For use with: <ul style="list-style-type: none"> • REMA TIP TOP Extruder GIANT (517 7512) 	230 / 400 V/W
557 6780	Heating cartridge • We recommend using heat conducting paste in order to install the electric heating element For use with: <ul style="list-style-type: none"> • REMA TIP TOP Extruder NORMAL (517 7505) • REMA TIP TOP Extruder GIANT (517 7512) • REMA TIP TOP Extruder NAILHOLE (517 7608) 	230 / 350 V/W

Vulcanizing Machines and Accessories

Accessories – REMA TIP TOP extruders – continued

Ref. No.	Designation	Electric power/ connection	Size
557 6830	Heating cartridge • We recommend using heat conducting paste in order to install the heating element For use with: • REMA TIP TOP Extruder GIANT ELEKTRO (517 7529)	230/800 V/W	
557 7002	Heat conducting paste		
557 6591	Extruder worm For use with: • REMA TIP TOP Extruder GIANT (517 7512)		202 x 18 mm [L x W]
557 6340	Thermostat, adjustable from 0 to 120 °C (32 - 248°F) For use with: • REMA TIP TOP Extruder NORMAL (517 7505) • REMA TIP TOP Extruder GIANT (517 7512) • REMA TIP TOP Extruder ELEKTRO (517 7529)		
557 6319	Thermostat turning knob, Celsius		
557 0638	BOSCH drive unit 550 W		
557 6539	Extruder front part, complete For use with: • REMA TIP TOP Extruder NORMAL (517 7505)		
517 3736	Console For use with: • REMA TIP TOP Extruder NORMAL (517 7505) • REMA TIP TOP Extruder GIANT (517 7512)		
517 3767	Balancer • Adjustable from 6 to 8 kg • Tension jack with clipper For use with: • REMA TIP TOP Extruder NORMAL (517 7505) • REMA TIP TOP Extruder GIANT (517 7512) • REMA TIP TOP Extruder ELEKTRO (517 7529)		
557 0645	Handle		
557 6443	Shaft		
517 7402	T2 cleaning rubber		3000 x 20 x 3
	Accessories:		
557 6429	extruder worm For use with: • REMA TIP TOP Extruder NORMAL (517 7505)		158 x 15 mm [L x W]



Automotive

REMAXX Mounting creams – makes tyre mounting/demounting easier

- Special fitting additives for a wide range of applications
- Economical in use
- Ensures optimum and gentle fitting processes
- Easy to apply
- Good drying properties
- Chemically neutral with respect to rubber and metal



G



Automotive

Chemical Products

Protecting, cleaning and caring	78
Mounting/Demounting	78
Brush, -cleaner, spray bottles, oiler	79 - 81
Preventive tyre sealant	82

Outstanding products



Tyre Compound

Page 78



Talcum

Page 79

G

Protecting, cleaning and caring

Hand Cleaner SUPER



593 0443

- With orange fragrance, removes even the toughest dirt such as soot, paint, printing ink, tar, bitumen, underseal etc.
- Hand Cleaner SUPER cleans down to the pores, is easy to rinse off, does not contain sand and therefore will not clog drains or outlets

Ref. No.	Designation	Segments	Content
593 0443	Hand Cleaner SUPER	1 or 33	11 l bucket

Mounting/Demounting







REMAXX cream



593 0515



593 0539







Ref. No.	Designation	Content						
593 0515	REMAXX Mounting cream TRUCK	5 kg bucket	•	•	•	•		
593 0522	REMAXX mounting cream TRUCK	10 kg bucket	•	•	•	•		
593 0539	REMAXX Mounting cream W-EM	5 kg bucket					•	•

TYRE COMPOUND

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



593 5613

Ref. No.	Designation	Content						
593 5613	TYRE COMPOUND	10 kg bucket	•	•	•	•	•	•

Brush, -cleaner, spray bottles, oiler

Mounting paste brushes

- The flat brush is especially suitable for mounting low-profile tyres
- Brushes with round head are excellent for application of mounting cream

Ref. No.	Designation	Width	Length of handle	Dia.
595 8360	Flat brush	50 mm	200 mm	
593 0584	Special brush car		300 mm	30 mm
593 0618	Special brush truck, short		300 mm	50 mm
593 1978	Special brush truck, long		400 mm	50 mm
Accessories:				
593 1954	Brush head			30 mm
593 1961	Brush head			50 mm



Talcum

- Fine-grained
- Asbestos free

Ref. No.	Designation	Content
593 0649	Talcum For use with: • Mounting tube tyres and heating element maintenance.	500 g can
593 0687	Talcum For use with: • Mounting tube tyres and heating element maintenance.	25 kg in sack
593 0750	Talcum For use with: • Mounting tube tyres and heating element maintenance.	50 kg in sack



593 0649



595 0186



595 8308



595 8315



595 9307



595 8322



595 4508



595 4820



595 8298



595 8346



595 9023

Brushes for solutions

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

Ref. No.	Designation	Dia.	Width
595 0186	Brush, long bristles, natural fibre For use with: • All cements	40 mm	
595 4649	Brush top, with brush		
595 8308	Special brush No. 10, with short fibre bristles For use with: • SPECIAL CEMENT BL, HR SOLUTION etc.	25 mm	
595 8315	Special brush No. 8, with short fibre bristles For use with: • SPECIAL CEMENT BL, HR SOLUTION etc.	35 mm	
595 9307	Special brush, specially short bristles For use with: • SPECIAL CEMENT BLX and paste	20 mm	
595 8322	Flat brush, short bristles For use with: • INNERLINER SEALER		25 mm

Cleaning Can

- For storage of brushes and detergents

Ref. No.	Designation	Dia.
595 4508	Aluminium-can, with brush and cap	
595 4820	Zink tin, with brush and cap	
595 8298	Brush cleaning can UNIVERSAL, with brush	
595 8346	Can cap, with brush adapter For use with: • 500 g, 650 g and 1 kg cans	50 mm

Brush cleaner (EU version)

- For cleaning and preventing brushes from drying out
- For professional use only

Ref. No.	Designation	Content
595 9023	Cleaning agent	800 ml tin
595 9085	Cleaning agent	5 l can
595 9092	Cleaning agent	10 l can
595 9061	Cleaning agent	200 l disposable barrel

Brush cleaner, free of CFC/aromatic compounds

- Prevents brushes from drying out
- Cleans away rubber solutions

Ref. No.	Designation	Content
595 9118	Cleaning agent R4	250 ml tin
595 9149	Cleaning spray R4	500 ml
595 9125	Cleaning agent R4	800 ml tin
595 9132	Cleaning agent R4	5 l can



595 9118



595 9149



595 9125

Spray bottles

- For even distribution of liquids on surfaces

Ref. No.	Designation	Content
593 0120	Spray bottle <ul style="list-style-type: none"> • For applying liquid bead lubricant for industrial tyres etc. • Not suitable for solvents 	500 ml
593 0137	Spray bottle <ul style="list-style-type: none"> • Not suitable for solvents 	1000 ml
593 0144	Spray bottle for compressed air <ul style="list-style-type: none"> • Suitable for solvents • With nipple for compressed air supply • Can be used like a spray can (90 PSI = 6,2 bar) 	500 ml
570 9440	Pump spray bottle	1000 ml
593 0300	Set of spray nozzles For use with: <ul style="list-style-type: none"> • Spray bottle (compressed air) (593 0144) 	3



593 0120



593 0144



570 9440



593 1260



593 1277



593 1284

Preventive tyre sealant

Tyre sealant TT SEAL XXL

- The preventive tyre sealant for all pneumatic tyres
- Avoids costly downtime of vehicles and equipment
- Reduces the risk of slow air loss that often results from smaller punctures
- Seals punctures up to 8 mm
- Easy introduction into mounted tyres
- Effective during the whole service life of a tyre
- Maintains the reparability of the tyre

Caution: Approved for a maximum speed of 40 km/h

Ref. No.	Designation	Content		
593 1253	TT SEAL XXL • A detailed list of the quantities required for the respective tyre sizes is enclosed with the product	30 l container	•	•
593 1260	TT SEAL XXL • A detailed list of the quantities required for the respective tyre sizes is enclosed with the product	60 l container	•	•

Accessories:

593 1277	TT SEAL hand pump XXL, 100 ml/stroke
593 1284	TT SEAL valve adapter VG12 to VG8
583 1040	TT SEAL warning sticker



Automotive

Safety at Work

Face protection	84
Hand protection	85

Outstanding products



Safety goggles

Page 84



Working glove,
vulcanizers

Page 85

H



594 0711

Face protection

Safety goggles

- The unique safety goggles for optimum comfort
- Soft frame that fits snugly and also serves to absorb shocks; adjustable side-pieces with locking mechanism
- Scratch-resistant

Ref. No.	Designation	Content
594 0711	Safety goggles	
Accessories:		
594 0720	Box for safety goggles	1



594 0740

Face protector

- Adjustable head band with polycarbonate face protection without metal parts
- Fits snugly, due to adjustable head straps, shockproof
- Exchangeable extra-wide face shield made of transparent acetate which protects against solvents and other chemicals
- Essential for garages and petrol stations when filling batteries with acids

Ref. No.	Designation	Content
594 0740	Face protector SUPERVIZOR	
Accessories:		
594 0750	Spare face shield	

Hand protection

Working gloves

- The best gloves for your protection!

Ref. No.	Designation	Colour	Size	Content	Qty
519 7200	Working gloves vulcanizer • Heat-resistant, steam-resistant special leather			1 pair	1
594 0790	Protective gloves, nitrile • Washable • Made of plastic-coated cotton tricot • No perspiration • Resistant to oil, acids and lacquers	yellow	8	1 pair	10
594 0810	Protective gloves, nitrile • Washable • Made of plastic-coated cotton tricot • No perspiration • Resistant to oil, acids and lacquers	yellow	10	1 pair	10
558 8723	Protection gloves, cotton, thin		8	1 pair	1
558 8709	Protection gloves, cotton, with knobs		9-10	1 pair	1
594 0010	Gloves, split leather	grey		1 pair	10
594 0020	Gloves, leather (pigskin)	yellow		1 pair	10
594 0800	Protection gloves, nitrile • Washable • Made of plastic-coated cotton tricot • No perspiration • Resistant to oil, acids and lacquers	yellow	9	1 pair	10
595 1453	Edge glove, for right and left hander			1	1
558 8572	Protection gloves, cotton, thin		10-12	1 pair	1
558 8716	Protection gloves, cotton, with knobs		10-12	1 pair	1



519 7200



594 0790



558 8723



558 8709



594 0010



594 0020



595 1453

Repair Material
OTR EM – Tyre Repair Specialists 2010/2011

Editor:

REMA TIP TOP GmbH
Business Unit Automotive

Gruber Strasse 63
85586 Poing · Germany

Phone +49 8121 707-234
Fax +49 8121 707-222
E-Mail info@tiptop.de

www.rema-tiptop.com

Design, Artwork, Production:

SOKO® München GmbH
Database Publishing Solutions
www.soko.de

Legal Notice:

Copyright© 2010
REMA TIP TOP GmbH

All information is given to the best of our knowledge. All specifications are to be considered non-binding information. Any claim for damages of any kind is excluded. We reserve the right to change technical specifications without prior notice, provided that they ensure product improvement. The information presented is based on technical experience but does not guarantee a product's suitability for specific applications, and does not relieve the users of the responsibility to undertake their own testing, including where any third-party trademark rights are concerned. Pictures in the catalogue may contain optional accessories which are not included in the standard shipment, and need to be ordered additionally.

All relevant product information can be found in the respective documents, including operating instructions, technical datasheets as well as conditions for storage and application. The specified qualities of our products are based on information from the accompanying inspections for approval. They represent statistical product data and are not to be considered as guaranteed properties of an individual product. In order to preserve product properties, the storage conditions indicated in DIN 7716 should be followed (including storing the product in the original package and in an area that is dry, cool and dark).

Keyword

Page

A

A & B T2 Rubber compound	20
A & B T2 Solution	18
Air buffer accessories	48
Air buffers	48 - 50
Air connectors	9 - 10
Air tool maintenance oil	48
Airline handgauge	10
Aluminium contour plate	69
Aluminium heating plate	64
Angle grinder	33
Angle grinder pneumatic	50
Arbour MK 1	34

B

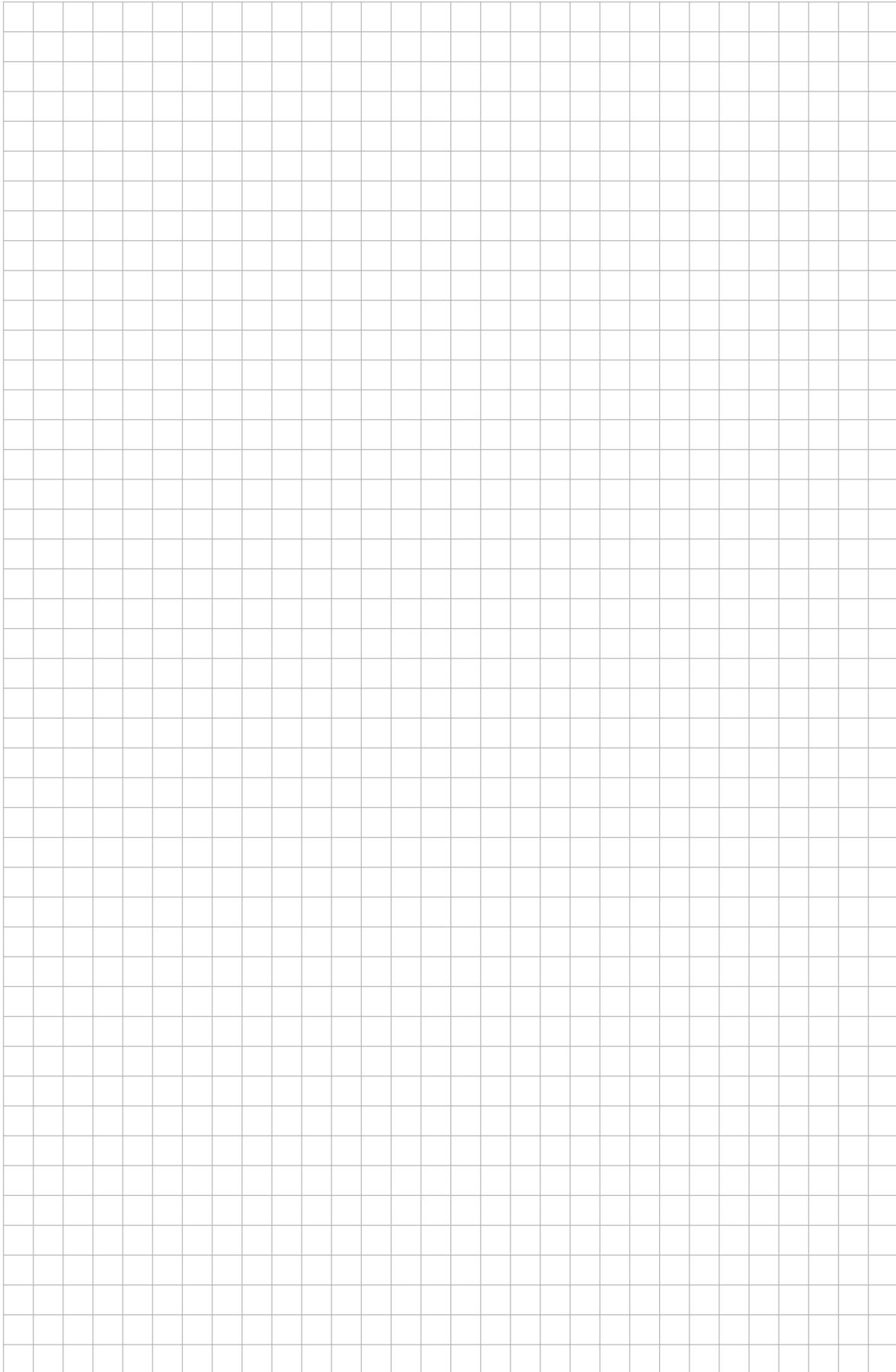
Balancer for extruder	75
Ball rasp	25, 27
Ball stone	32
Bars (for spreaders)	54 - 55
Bead breakers	57 - 58
Bead breakers pumps	59
Bead spreaders	53 - 55
Bead vulcanizing clamp	72
Bias patches	15
Blades (spare)	35 - 36
Blue cushion gum	18
BOSCH drilling machine	46
Branding	41-42
Branding Iron	41
Brass brush	38
Brush cleaner	80
Brushes	30, 38, 79, 80
Brushes for solutions	80
Buffers	48 - 50
Buffing band	33
Buffing discs	34
Buffing kit	29
Buffing motor accessories	44 - 45
Buffing motors	44
Buffing rasp	22
Buffing wheels	25, 26, 29

C

Cabinet for repair tools	72
Can cap for solutions	80
Chalk	39
Chalk holder	39
Chip cones	24, 28
Chip rasp	25
Chuck	34
Cleaning brushes	38
Cleaning rubber	20
Cleaning solutions	80 - 81
Comb pliers	37
Compass saw	22
Cone stone	32
Connectors, air	9 - 10
Contour rasps	26
Contour segments EM Thermopress	70
Crossply patches	15
Cut resistant gloves	85
Cutting disc	32

Keyword	Page	Keyword	Page
D			
Demounting cream	78	Knife heater	36
Digital thermometers	40	Knife sharpening tools	22, 36
Digital timer EM Thermopress	70	Knives	22, 35
Dome rasp	26 - 28	L	
Don Carlos knife	35	Lamps	52
Doughnut wheel	25	Letters (tyre branding)	42
Drilling machine	46	Limestone	31
Drying hood	47	Liquid Buffer	11
DUSS drilling machine	46	Locking pin EM Thermopress	69
E			
EM bead breakers	57 - 58	Low speed air buffer	48, 49
EM bead breakers pumps	59	M	
EM mounting set	56	Maintenance oil for air tools	48
EM repair stand	71	Marking chalk	39
Extruder equipment	74 - 75	Marking pen	39
Extruders	73	METABO drilling machine	46
F			
Face protector	84	Metal valves	8
Finish buffer	33	Mill cutters	23
Flexible pumb ring	78	MK 1 (flex drive arbour)	34
Flexible shaft	45	Mobile stand	45
Flexible shaft adapter	45	Mounting cream	78
Foil, heat resistant	17	Mounting flange & nut (angle grinder)	34
Foot pump (bead breakers)	59	Mounting paste brushes	79
Fret saw	47	MTR cushion gum	18
Fuses EM Thermopress	69	MTR Rubber	18
G			
Gigant attachment EM TP II	67	MTR Rubber CR (cut resistant)	18
Gloves	85	MTR Solution	17 - 18
Green extreme grinding disc	34	N	
Grinding disc	32	Needle stitcher	37
Grinding disc for angle grinder	50	Needles for stitcher (spare)	37
Grinding pad for angle grinder	50	Numbers tyre marking	42
H			
Halogen lamp	52	O	
Hand drills	46	O-sealing rings	60
Hand tools	35 - 39	Oil for air tools	48
Hand cleaner	78	OPUS Lightmaster	52
Hard metal buffing discs	34	OTR air buffer	48
Heat resistant foil	17	OTR beads breakers	57 - 58
Heating mats EM	68	OTR beads breakers pumps	59
Heating plates	63, 64, 68	OTR Cement	17
Heating pockets EM	69	OTR mounting set	56
High speed air buffer	48, 49	P	
High speed buffing tools	32	Patch hammer	49
HM cutters	23	Patch marking pen	39
Hole saw	22	Pens	39
I			
Infra drying hood	47	Pen piercing thermometer	40
Innerliner Sealer	17	Pen universal sensor	41
		Pencil brush	30
		Pencil buffer	24, 28
		Pencil stone	32
		Pincers	37
		Pliers	37
		PN series patches	15
		Pneumatic angle grinder	50
		Pneumatic stapler	50
		Pneumatic vacuum cleaner	50
		Poly plug	27

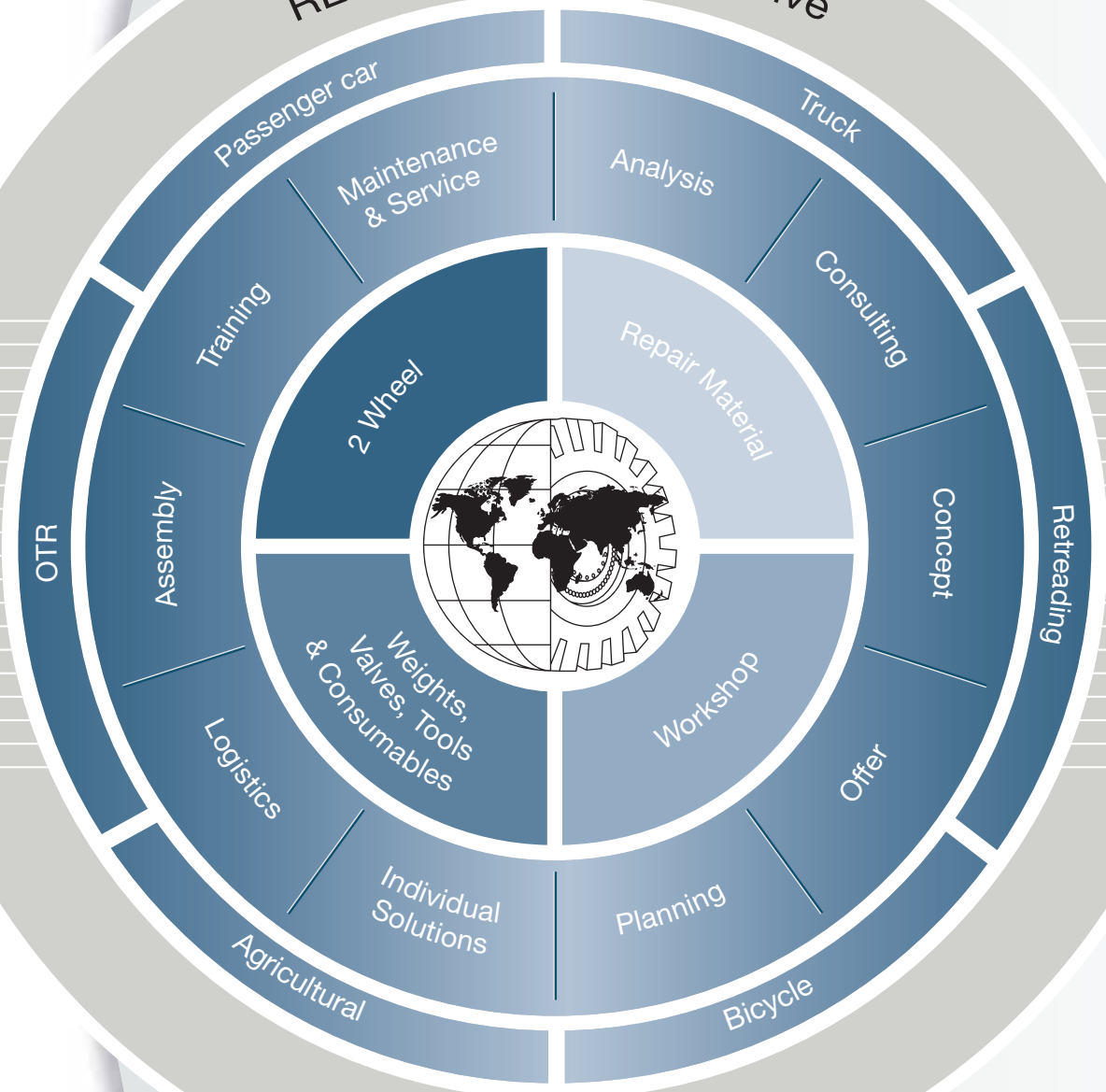
Keyword	Page	Keyword	Page
Preheating plate	64	Thermopress EM heating mats	68
Pressure cloth	49	Thermopress EM heating plate	68
Pressure gauge Thermopress EM II	70	Thermopress EM heating pockets	69
Pressure plates TP 2	63 - 65	Thermopress EM/OTR I, II, III	66 - 67
Probe	38	Thermopress machines	62, 66 - 67
Protection gloves	85	Thermopress MTR Solution	17 - 18
Pump spray bottle	81	Thermopress Rubber	18
Pumps (bead breakers)	59	Thermopress TP II	62
Q		Timer EM Thermopress	70
Quick release chuck	34	Timer Thermopress	64
Quick twist clamping chuck	48	TIP TOP Hand cleaner	78
R		TT SEAL XXL	82
R4 Cleaner	81	Tyre compound	78
RAD series patches	14	Tyre lift spreader	55
Radial patches	14	Tyre marking	39, 41
Repair chart PN	16	Tyre marking (letters & numbers)	42
Repair chart RAD	14	Tyre probe	38
Repair patches	14 - 16	Tyre scrapers	38
Repair stand EM	71	Tyre sealant TT SEAL	82
Retreading air buffers	49	Tyre spreaders	53 - 55
Rotary gauge	22	U	
Rotary wire brushes	30	Universal pliers	37
Rubber marking pen	39	V	
S		V-sealing rings	60
Sabre saw	47	Vacuum cleaner	50
Safety goggles	84	Valve accessories	8-10
Safety switch (Buffing motor)	45	Valve base	8
Saw blades (fret saw)	47	Valve caps	9
Scissors	36	Valve connectors	9 - 10
Scrapers	38	Valve core screwdriver	10
Sealing rings	60	Valve cores	8
Sensitive pin	41	Valve extensions	9
Sharpening fixture	22	Valve repair tools	9
Shell stones	31	Valve top	8
Side cutter	35	Valves, metal	8
Skiving knife	35	Vario speed	44
Solution cans	80	Vulcanising clamp	72
Spare blades	35 - 36	W	
Special Cement OTR	17	Wall chart PN	16
Spiral brush	30	Wall chart RAD	14
Spray bottle	11, 81	Wax marking chalk	39
Spreaders	53 - 55	Wet stones	36
Spring (patch hammer)	49	Wire brushes	30
Stapler	50	Workbench	72
Staples	50	Working light	52
Stitcher	37	Workplace	72
Suspension device	64		
SV bonding rubber	18		
T			
T2 Cleaning Rubber	20, 75		
T2 Compound A & B	18, 20		
T2 Compound A & B Solution	18		
Talcum	79		
Thermocouple wire	41		
Thermometers	40		
Thermopress accessories	63 - 65		





Automotive

REMA TIP TOP Automotive



REMA TIP TOP GmbH

General Export Terms and Conditions for Sales, Delivery and Payment

§ 1 Scope of Application

1. All quotations and agreements are based on the conditions below and are considered to be accepted for the duration of the whole business relationship by placing the order or accepting the delivery. Deviating conditions, which have not been expressly accepted in writing, are not binding for us, even if they have not explicitly been contradicted.
2. The term "consumer" as used in these provisions complies with the legal definition in § 13 BGB (German Civil Code).
3. The term "entrepreneur" as used in these provisions complies with the legal definition in § 14 BGB.

§ 2 Prices – Payment Conditions

1. Unless otherwise stated in the order confirmation, prices apply ex works, transport packing excluded. The packing will be charged separately.
2. VAT is not included in the prices. It will be separately charged at the legal rate valid on the day of invoicing.
3. The purchase price or the invoice amount and prices for additional services fall due for payment on the handing over of the object of purchase or the acceptance of work and service and the delivery or remittance of the invoice.
4. All deliveries are generally made against cash, COD or prepayment. If the purchaser is a businessman and makes regular purchases, he will get a customer number granting him a payment term of 14 days from date of invoice without any further discounts. Invoices for services and repair work as well as invoices for miscellaneous services such as spare parts for machines and equipment as well as used materials are due immediately.
5. If the purchaser gets into arrears or if an essential deterioration of his capital occurs, our whole credit, including all credits for any other delivery made, will become due immediately. In this case we are entitled to charge interest on arrears according to § 288 BGB (German Civil Code).
6. If the purchaser gets into delay of payment, the processing costs for reminders connected with it will be charged to him.
7. The purchaser may only offset own claims against our claims, if his claims are acknowledged or covered by a legally binding title. He may only claim a right of retention as far as it is based on claims originating from the purchase contract or the contract for work and services.

§ 3 Delivery

1. Dates and times of delivery, which can be stipulated bindingly or not bindingly, shall be indicated in writing. The period of the delivery time shall start upon conclusion of the contract.
2. If we are prevented from delivering the article of sale on the agreed date or within the agreed time limit or from meeting the completion deadline accepted in writing, due to circumstances we have to account for, we shall be liable according to the legal provisions. If the delay in delivery is based on a breach of a not essential contractual obligation only, the purchaser may claim a flat rate of maximum 5 % of the value of the delivery or service for any damage caused by delay.
3. Force majeure and events temporarily preventing us – without any fault on our part – from supplying the delivery or service by the agreed date or within the agreed time, give us the right to delay the delivery or service by the duration of the impediment plus an appropriate period of adjustment. If the delivery time is extended or if we become discharged from our obligation, the purchaser shall not be entitled to derive any damage claims from this. If corresponding disturbances lead to a performance delay of more than 4 months, the purchaser has the right to withdraw from the contract. Other rights of rescission remain unaffected.
4. The purchaser is obliged to accept the delivery or service. If the purchaser gets into default of acceptance, we are entitled to receive compensation for any damage or loss encountered.
5. The producers reserve the right to amend construction or shape, to deviate from the colour tone as well as to modify the supply quantity during the delivery period, as long as – with regard to our interests – the modifications or deviations are reasonable for the purchaser. If we or the producer use signs or numbers for the marking of the order or the ordered delivery or service, no titles may be derived from this with regard to the specification of the delivery object or of the supply quantity.
6. We are entitled to partial delivery and partial performance at any time.

§ 4 Installation by Qualified Specialists

The purchaser is obliged to have the installation of the purchased goods carried out by qualified specialists.

§ 5 Estimates of Cost, Technical Documents

1. Quotations, estimates of cost, drawings, pictures, measures, weights, or other performance dates generally are not binding. They are only binding, if this is expressly stipulated in writing. Ownership and copyrights of estimates of cost, pictures, drawings, or other documents remain reserved.
2. A passing on to a third party is only permitted upon prior written consent.
3. Application technology advices – spoken and written – are only considered as not binding indications and do not release the purchaser from his own test obligation with regard to the intended purpose of application.

§ 6 Passing of Risk in Relation to Sales Contracts

1. The risk of accidental loss and accidental deterioration shall pass on to the purchaser upon handing over of the object.
2. In case the purchaser is not a consumer the risk shall pass to the purchaser when the object is passed on to the person executing the transport or when the goods have left our stock for the purpose of shipment.

§ 7 Liability for Material Defects in Relation to Sales Contracts

1. The limitation period for all newly manufactured goods is 1 year unless the purchaser is a consumer. Apart from that the legal limitation period of 2 years applies. For used goods the limitation period is 1 year if the purchaser is a consumer. Unless the purchaser is a consumer the sale of used goods is carried out to the exclusion of any liability for material defects.
2. Purchaser claims for defect removal are mainly limited to subsequent performance, i.e. to subsequent improvement or substitute delivery. Unless the purchaser is a consumer we have the option on subsequent improvement or substitute delivery. If the subsequent improvement or substitute delivery fails, the purchaser may demand reduction or withdraw from the contract. A subsequent improvement may be considered failed when and to the extent to which an appropriate time limit set for the subsequent improvement has elapsed without any result. The preconditions for the exercise of the right of withdrawal are defined by § 323 BGB (GCC).
3. The purchaser has to assert his claims to removal of defects from us.
4. In case of a defect based on a deficient instruction sheet, liability for material defects only comes into force if the mounting or the installation of the sold object has been carried out skillfully. The purchaser has to demonstrate and to prove the skillful execution.

§ 8 Extended Right of Lien and Liability for Material Defects in Relation to Contracts for Work and Services

1. Based on our claim arising from the order a contractual right of lien on the objects arrived in our possession by virtue of the order is due to us.
2. A contractual right of lien may also be claimed for works and other services executed earlier as far as they are associated with the order object. For other claims from the business connection the contractual right of lien only applies as far as these claims are unquestioned or a non-appealable title is submitted and the object of order is owned by the purchaser.
3. Purchaser Claims for material defects shall lapse after one year from the date of acceptance of the work or service. In case of purchaser acceptance in spite of his knowledge of a defect claims for material defects are only due to him if he has reserved them in the acceptance procedure.
4. Unless otherwise agreed the purchaser's acceptance of the work or service shall be carried out on our premises.
5. If the object of order is the delivery of movables to be manufactured or produced and if the purchaser is a legal person under public law, a separate fund under public law, or an entrepreneur who – when concluding the contract – acts in the exercise of his commercial or self-employed professional activity, any claims of the purchaser for material defects will lapse after one year from the date of delivery. For other purchasers (consumers) the legal provisions shall apply.
6. If materials and/or indications (especially conditions of application, operating, and processing, recipes, specifications as well as other circumstances and parameters relevant for the work to be performed by us) supplied by the purchaser cause a defect, any liability on our part shall be excluded.
7. In all other instances our general terms and conditions in relation to sales contracts shall apply accordingly.

§ 9 Liability

We are liable according to the legal provisions, if the purchaser asserts claims for damages based on deliberate intent, fraudulent intent, or gross negligence including deliberate intent, fraudulent intent, or gross negligence of our representatives or vicarious agents.

Unless the purchaser is a consumer, the liability is limited to the predictable, typically occurring damage as far as we are accused of a grossly negligent breach of duty. For the rest any further liability for damages is excluded; in this respect we are especially not liable for damages that do not occur on the delivery object, unless a violation of life, body and/or health is concerned.

§ 10 Recourse against the Entrepreneur when Selling to Commercial Resellers

1. If – within the scope of his commercial business – the purchaser has resold the purchased object to a consumer and has had to take this object back or has had to reduce the purchase price in consequence of the object's deficiency, he may assert claims for material defects against us.
2. Additionally the purchaser may demand refund of the expenses he has had to bear in his relationship to the consumer, if the defect claimed by the consumer already existed upon passing of the risk to the purchaser.
3. Within the scope of this recourse against the entrepreneur the purchaser shall not have the right to claim damages against us.

§ 11 Taking back of Goods / Restocking Fee

1. As far as we take goods back from the purchaser voluntarily, the following applies: only goods, which are not custom-made products or special orders, can be returned, if they are in a proper, vendible condition. When goods are returned, the purchaser will receive a credit note for the amount of the value of the returned goods less a restocking fee. Such credit will not be paid cash but can only be offset against future purchases or orders.
2. The restocking fee amounts to 10 % of the value of every returned item.

§ 12 Reservation of Title

1. Any delivered object remains our property until all claims based on the purchase contract or the contract for work and services are fully settled. If the purchaser is a businessman, we retain the property in all delivered objects until receipt of all payments arising from the business connection.
2. In case of breach of contract on the part of the purchaser, especially in case of late payment, we shall be entitled to withdraw from the contract and to claim the release of the object under retention of title. The purchaser shall be obliged to return the object. After withdrawal we are fully entitled to exploit the delivery object. The purchaser is obliged to compensate the difference between the purchase price and the proceeds of exploitation. Furthermore we reserve the right to assert further claims against the purchaser.
3. The purchaser shall have the right to resell the delivered objects in his ordinary course of business. However, he already now assigns to us all claims for the amount he has invoiced to the consumer (including VAT), regardless of whether the delivered objects have been sold directly or after further processing. The purchaser remains entitled to collect the sums due also after their assignment to us. Our competence to ourselves collect the sums due remains unaffected thereof. We undertake not to ourselves collect the sums due as long as the purchaser fulfils his financial obligations according to the contract and as long as no application for opening of insolvency proceedings has been filed. If one of the latter circumstances has occurred, at our request the purchaser shall give us all particulars necessary to collect the assigned sums due and shall hand over all relevant documents as well as inform the respective debtor (third party) of the assignment.
4. Any processing or alteration of the goods by the purchaser will always be carried out in our favour. If the objects of delivery are processed with other objects not belonging to us, we shall acquire co-ownership of the object in the ratio of the value of the delivered objects to the other processed objects at the time of the processing.
5. If the objects of delivery are inseparably mingled or combined with other objects not belonging to us, we shall acquire co-ownership of the new object in the ratio of the value of the delivered objects to the other components of the new objects. The purchaser shall keep the co-ownership in custody for us.
6. The purchaser shall neither pledge the delivered objects nor assign them by way of security. He shall immediately inform us of seizures, confiscations, or other decrees by a third party and provide us with all information and documents necessary to protect our rights. Executive officers or a third party have to be informed of our ownership.
7. In case the value of our securities will exceed the claims to be secured by more than 20 %, we are obliged to release the exceeding part on demand of the purchaser. We are free to choose which securities to release.
8. If the law covering the delivered object, does not permit the retention of title but allows us to reserve other rights regarding the delivered object, we may execute all rights of this kind. The purchaser is obliged to assist us in the measures we take to protect our ownership or the right taking our ownership's place in the delivered object.

§ 13 Data Protection

According to § 33 BDSG (German Data Protection Act) we point out that all data referring to purchasers and suppliers are recorded and processed by us with the aid of electronic data processing in compliance with said protection act.

§ 14 Place of Fulfilment / Jurisdiction / Governing Law

1. The place of payment is Munich. The place of delivery is determined according to the particular agreement based on the respectively valid Incoterms (International Commercial Terms). Unless stated otherwise, the goods shall be considered to be sold "ex works".
2. For all disputes arising from the contractual relationship a suit shall be filed with our head office's local court, if the purchaser is a businessman entered in the commercial register as businessman, a legal person under public law, or a separate fund under public law. We shall also be entitled to file a suit at the jurisdiction of the purchaser's head office.
3. Only German Law is applicable. Any other regulations, including the laws regulating the international purchase of movables (especially the UN-Convention on Contracts of the International Sale of Goods), are excluded, even if the purchaser has his head office abroad.
4. If individual provisions of the contract with the purchaser including these General Terms and Conditions are or will become invalid in whole or in part, the validity of the remaining provisions shall be unaffected. The wholly or partially invalid provision shall be replaced by a provision whose economic success corresponds to the invalid one as closely as possible.

REMA TIP TOP GmbH
Gruber Str. 65
85586 Poing
GERMANY



Automotive

Your local Contact:

581 4301 - II.10 Printed in Germany

REMA TIP TOP GmbH
Business Unit Automotive

Gruber Strasse 63
Phone:
Fax:
www.rema-tiptop.com

85586 Poing/Germany
+49 8121 707-234
+49 8121 707-222
info@tiptop.de

