

Rillfit®

Tyre regroover Six



EN

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Made in Germany

Technical Data

**Rillfit®
six**

Type	Tyre regroover
Model	RILLFIT® six
Power Supply/Frequency	230 V - 240 V, 110 V, 50/60Hz
Weight	4,4 kg
protection class	isolated protection class 2
Connection	plug and socket device
Type of Frequency	Interrupting flow
Version	area changeable
Type of safety	IXPO
Power	240 Watt



RILLFIT-Evolution since 1948



Accessories and Spare Parts

Casing RILLFIT® six
article no. 1471421



Carry handle
article no. 1400044



Button for rotary switch
article no. 1400045



Rotary switch
article no. 1400103



Bottom plate
article no. 1471419



**Handle casing
left and right**
article no. 1580020



Connection cable
article no. 1580156



Handlegrip complete
article no. 1571611



**Power supply cable
without plug**
article no. 1471410



**Power supply cable
with plug**
article no. 1471416



Blade-head complete
article no. 1580155



**Blade-head set
left and right**
article no. 1571637



Set bladeholder blocks
article no. 1580125



**Clamping jaw set
left and right**
article no. 1571638



**Clamping jaw set
for small blades**
article no. 1580158



**Unit without head
and contacts**
article no. 1580126



Contact lever complete
article no. 1580136



Built-in unit with head
article no. 1571603



Copper rod long
article no. 1560004



Copper rod short
article no. 1560003



Hexagon key
article no. 1450182



Depth gauge
article no. 1400047



Transformer
according to the country voltage



Switch on/off
article no. 1871008



Tyre stand
article no. 1573281



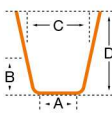
RILLCUT Regrooving Blades

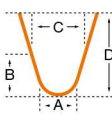
RILLCUT blades are made out of unique special steel material in our workshop. Know how of manufacturing process ensure uniform and

outstanding quality. Therefore, always use the original RILLCUT blades, only RILLCUT blades ensure correct blade Temperatures!

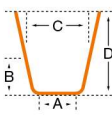
Special design of any shape and reinforced steel material on request.

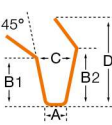
Standard Blades

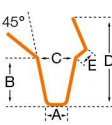
Article no. 15800-		49		50		51		52		53		54	
Angle Blades		W1		W2		W3		W4		W5		W6	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
	A = cutting width	3	0,12	5	0,2	7	0,28	9	0,35	11	0,43	23	0,91
	B = cutting depth	7	0,28	7	0,28	10	0,39	12	0,47	12	0,47	12	0,47
	C = upper cutting width	5	0,2	6	0,24	10	0,39	13	0,51	15	0,59	28	1,1
	D = side length	21	0,83	21	0,83	22	0,87	24	0,95	23	0,91	24	0,95
	pcs per set	20										10	

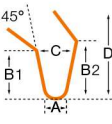
Article no. 15800-		55		56		57		58		59	
Round Blades		R1		R2		R3		R4		R5	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
	A = cutting width	3	0,12	5	0,2	6	0,24	8	0,32	10	0,39
	B = cutting depth	7	0,28	7	0,28	10	0,39	12	0,47	12	0,47
	C = upper cutting width	5	0,2	8	0,32	15	0,59	16	0,63	18	0,71
	D = side length	21	0,83	21	0,83	23	0,91	25	0,98	24	0,95
	pcs per set	20									

Special Blades

Article no. 1580-		111		112		113		114		115		060	
Angle Blades		W14		W16		W18		W20		S01		W6/1	
		mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
	A = cutting width	14	0,55	16	0,63	18	0,71	20	0,79	20	0,79	23	0,91
	B = cutting depth	12	0,47	12	0,47	12	0,47	18	0,71	18	0,71	12	0,47
	C = upper cutting width	17	0,67	19	0,75	21	0,83	25	0,98	23	0,91	28	1,1
	D = side length	24	0,95	25	0,95	23	0,91	32	1,26	32	1,26	27	1,06
	pcs per set	10											

Angle Blades		SO W2 45° left or right	
		mm	inch
	A = cutting width	5	0,2
	B1 = cutting depth 1	10	0,39
	B2 = cutting depth 2	14	0,55
	C = upper cutting width	7	0,28
	D = side length	31	1,22
	Stück pro Set	10	

Angle Blades		SO W2/1 45° left or right	
		mm	inch
	A = cutting width	5	0,2
	B = cutting depth	14	0,55
	C = upper cutting width	7	0,28
	D = side length	35	1,38
	E = heel side	5	0,2
	pcs per set	10	

Round Blades		SO R2 45° left or right	
		mm	inch
	A = cutting width	5	0,2
	B1 = cutting depth 1	10	0,39
	B2 = cutting depth 2	14	0,55
	C = upper cutting width	7	0,28
	D = side length	31	1,22
	Stück pro Set	10	

Round Blades		SO R2/1 45° left or right	
		mm	inch
	A = cutting width	5	0,2
	B = cutting depth	14	0,55
	C = upper cutting width	7	0,28
	D = side length	35	1,35
	E = heel side	5	0,2
	pcs per set	10	

Workflow

The regrooving of tyres is a skilled operation which should only be undertaken by skilled personnel in a aerated workplace. The following notes describe the procedure to be followed to ensure safe and effective regrooving:

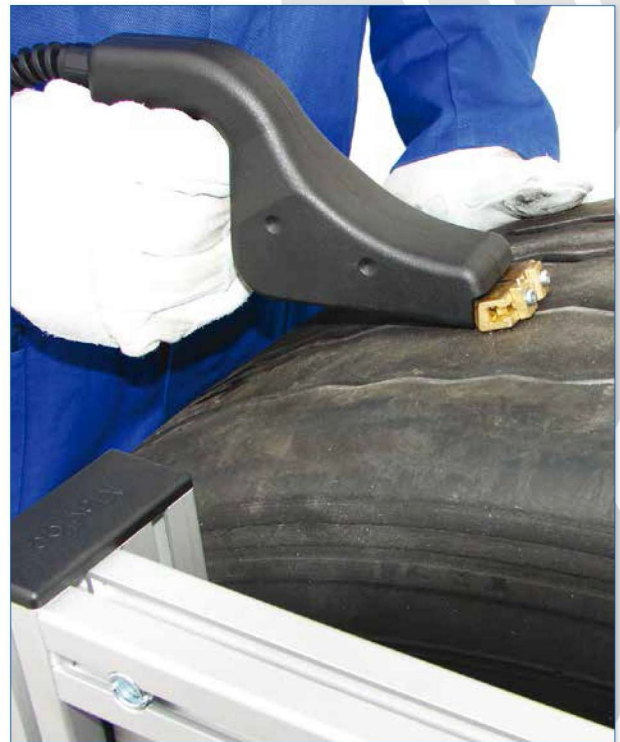
- 1** Make sure you have the correct tools to hand to do the job; regrooving tool, tread depth gauge, the correct regrooving blades any regrooving stand, regrooving information relating to the tyre which is to be regrooved.
- 2** Check that the tyre is suitable for regrooving. Look for the word “regroovable” on the sidewall of the tyre. If this is absent consult tyre manufacturer for further information.
- 3** In a well bright area check the tyre for signs of damage to the tread and sidewall area and if any damage is found, repair it correctly. Also remove any flints etc. embedded in the tread otherwise the regrooving blade may be damaged or broken during the regrooving process.
- 4** Measure the remaining tread depth at several places around the tyre and use the smallest depth to set the depth of the

- that the tyre mentioned “regroovable”
- that regrooving may be carried out when 2 - 3 mm of tread depth remains

- that the law requires any regrooving to follow the manufacturer’s recut tread pattern.

- 5** Consult the tyre manufacturer’s regrooving instructions for the tyre in question. The blade setting is determined by the width and depth stated in the manufacturer’s instructions. These will also show the shape of the blade to choose rounded or wedge-shaped.
- 6** Before fitting or removing a blade from the regrooving tool, always make sure it is disconnected from the mains electricity supply. Set the blade to the depth specified by the manufacturer. IMPORTANT NOTE: Check that the instructions clearly say that the depth setting includes the pattern depth remaining, or that you have to add the pattern depth remaining, because this rule will vary between manufacturers.

- 7** Regroove a small area of the tyre approximately 150 mm long. Remove the rubber you have cut and, using the tread depth gauge, check that you are cutting the recommended depth and that you are not exposing any cords.
- 8** Now regroove the tyre in line with the manufacturer’s regrooving tread pattern. Make sure the hand which is not holding the regrooving tool is placed on the lower sidewall of the tyre and not on the tread area in front of the regrooving tool. This will avoid accidents.
- 9** Finally, even the tyre has been fully regrooved, inspect it to make sure that no cords have been exposed. The tyre is now ready for refitting to a vehicle.



The RUFF Group® - Best quality made in Germany



Something very clever can emerge from small and innovative companies as various enterprises have proved. We are an example of such a company. Founded more than 65 years ago in a small barn building near Munich, we have specialized in the production of high quality electronic devices and have established

ourselves as one of the world leaders in this field. We have sold more than 300.000 devices in more than 100 countries. These are highly valued by our customers which recognize these machines as being of high quality, durable and the standard in the regrooving industry. RUFF has become a synonym for high-tech re-

grooving equipment. Time and again these and other reasons allow us to be at the fore front with innovative developments and enable us to provide our customers with the most pioneering and future orientated technology. Convince yourself!

Tyre Stand

for truck tyre regrooving
Artikel-Nr. 1573281

