

# GRÜN

## Roofing Products | Building Technique



## Price list 2024

ONLY FOR AUTHORIZED DEALERS.



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Valid from 01.01.2024 to 31.12.2024 or to an earlier released and new price list!



# Special machinery factory for roof, road and construction

Founded 1919

For decades, **GRÜN GMBH** has been involved in developing and producing specialist machines for the building sector.

The goal was and is to provide processors with technically advanced specialist equipment for the efficient

use of labour. Particular focus is placed on practical collaboration with installation companies, manufacturers of processing materials and work safety groups, in order to enable operators to carry out high-quality work.







The companies in our Group work in the following areas:

- Road construction and road maintenance technology
- Road marking technology
- High-pressure water surface treatment
- Roofing equipment/construction technology
- Fall protection

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## Roof Repair and Restoration Equipment

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Roof Cutter DS 15</b> with petrol engine and 1 percussion knife, cutting depth up to max. approx. 100 mm  <b>⚠ „For minor demolition projects!“</b>	54260000	<b>4.630,00</b>	VII	60,00	
	<b>Roof Cutter DS 30</b> with petrol engine and 1 percussion knife, cutting depth up to max. approx. 150 mm	54220000	<b>5.270,00</b>	VII	104,00	
	<b>Roof Cutter DS 31</b> with petrol engine and 2 percussion knife, cutting depth up to max. approx. 140 mm	54200000	<b>5.710,00</b>	VII	110,00	

## Accessories for Roof Cutters






	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Percussion knife</b> as spare part DS 30/31 length 390 mm	50270000	<b>252,00</b>	VII	1,30	
	<b>Cutting knife for cold roof</b> for DS 15 / DS 30 / DS 31 drill hole 26 mm	50232000	<b>271,00</b>	VII	2,50	
	<b>Percussion knife old</b> 6 cm wide, 350 mm long, for DS 5, DS 10, DS 11 from build year 10/98, DS 15	50231000	<b>248,00</b>	VII	0,90	
	<b>Percussion knife</b> 4 cm wide, 350 mm long (for DS 11 until build year 09/98)	50210000	<b>248,00</b>	VII	0,40	
	<b>Cleaning spatula for DS 30/31</b>	54205000	<b>31,20</b>	VII	1,00	

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## Accessories for Roof Cutters




	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	Fan belt DS 15	50260311	19,30	VII	0,05	
	Fan belt DS 30/31  „All three V-belts must be completely replaced“	993080120	20,40	VII	0,06	

## Roof Membrane Cutter

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Trennfix</b> Cuts roof membranes without damaging the substrate, thanks to precision cutting-depth adjustment. Ideal also for demolition of foil roofs.	54100000	446,00	VII	4,20	
	<b>Replacement blade</b> 50 mm	54105005	1,60	VII	0,01	











## Roof stripper

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>GDS 10 petrol powered stripper</b> for stripping roof sheeting and roof insulation	51380000	21.630,00	IV	375,00	
	<b>Roof Stripper TURBO</b> for stripping roof sheeting and roof insulation	50300000	13.980,00	VII	130,00	



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## Accessories for Roof stripper

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Special knife, extended</b> angled, for roof superstructures with insulation for Roof Stripper TURBO and GDS 10 incl. 50309000	50370000	<b>523,00</b>	VII	5,20	
	<b>Replacement blade standard</b> for Roof Stripper TURBO and GDS 10	50320000	<b>48,90</b>	VII	0,20	
	<b>Knife conversion kit for cold roof</b> for GDS 10	51389000	<b>482,00</b>	VII	1,30	
	<b>Screw connection for special knife</b> for retrofitting the special knife	50309000	<b>10,70</b>	VII	0,10	
	<b>Set of spiked drive wheels</b> for increased power transmission for Roof Stripper TURBO	50330000	<b>813,00</b>	VII	14,00	
	<b>Twin tyre setup</b> for Roof Stripper TURBO	50310000	<b>1.390,00</b>	VII	19,40	

## Tear-off claw











	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Tear-off claw</b>	50350000	<b>84,40</b>	VII	0,70	




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## Scrap'Air®-Sets

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Bituminous membranes removal kit</b> SCRAP'AIR® 55 delivered in a handy-box with: <ul style="list-style-type: none"> <li>- 1 carpet knife with a steel blade 20 cm</li> <li>- 2 steel blades 20 cm</li> <li>- 1 curved Delta knife 15 cm</li> <li>- 1 vertical cutter</li> <li>- 1 chisel 5 cm</li> <li>- 1 in-line oiler</li> <li>- 1 adaptor for mobile compressor</li> <li>- 1 oil-can (250 ml)</li> <li>- 1 protection kit (goggles, gloves and earplugs)</li> </ul> <i>Cutting and removal bitumen roof covering and light demolition.</i>	890270000	<b>2.700,00</b>	VII	17,00	
	<b>Removal kit (short handle)</b> SCRAP'AIR® 24 delivered in a handy-box with: <ul style="list-style-type: none"> <li>- 1 delta knife 8 cm</li> <li>- 1 chisel 4 cm</li> <li>- 1 in-line oiler</li> <li>- 1 oil-can (250 ml)</li> <li>- 1 protection kit (goggles, gloves and earplugs)</li> </ul> <i>Wood working, removal of crumbly coatings.</i>	890220000	<b>1.480,00</b>	VII	9,00	
	<b>Renovation kit (short handle)</b> SCRAP'AIR® 36 delivered in a handy-box with: <ul style="list-style-type: none"> <li>- 1 delta knife 8 cm</li> <li>- 1 chisel 4 cm</li> <li>- 1 pointed chisel</li> <li>- 1 in-line oiler</li> <li>- 1 oil-can (250 ml)</li> <li>- 1 protection kit (goggles, gloves and earplugs)</li> </ul> <i>Removal of: wall coatings, tiling, concrete.</i>	890230000	<b>1.820,00</b>	VII	10,00	
	<b>Renovation kit (half-long handle)</b>	890240000	<b>1.820,00</b>	VII	10,00	
	<b>Demolition kit (short handle)</b> SCRAP'AIR® 38 delivered in a handy-box with: <ul style="list-style-type: none"> <li>- 1 chisel 4 cm</li> <li>- 1 chisel 2,5 cm</li> <li>- 1 pointed chisel</li> <li>- 1 in-line oiler</li> <li>- 1 oil-can (250 ml)</li> <li>- 1 protection kit (goggles, gloves and earplugs)</li> </ul> <i>Removal of resistant concrete and light demolition.</i>	890250000	<b>1.820,00</b>	VII	11,00	
	<b>Demolition kit (half-long handle)</b>	890260000	<b>1.820,00</b>	VII	14,0	

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## Scrap'Air®-Sets

















	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Shipment
	<b>Floor coating removal kit</b> (short/long handle) SCRAP'AIR® 38 delivered in a handy-box with: - 1 carpet knife with a steel blade 20 cm - 2 steel blades 20 cm - 1 chisel 5 cm - 1 in-line oiler - 1 oil-can (250 ml) - 1 protection kit (goggles, gloves and earplugs) <i>Removal of PVC-coatings, carpets and parquet floors.</i>	890280000	<b>1.920,00</b>	VII	14,00	
	<b>Floor demolition kit</b> SCRAP'AIR® 55 delivered in a handy-box with: - 1 curved Delta knife 15 cm - 1 chisel 5 cm - 1 pointed chisel - 1 in-line oiler - 1 adaptor for mobile compressor - 1 oil-can (250 ml) - 1 protection kit (goggles, gloves and earplugs) <i>Removal of resistant concrete and glue, tiling and light demolition.</i>	890200000	<b>2.520,00</b>	VII	17,00	
	<b>Excavation kit</b> (Tool shank 18 mm) SCRAP'AIR® 55 with T-Handle delivered in a handy-box with: - 1 spade 18 cm - 1 chisel 5 cm - 1 in-line oiler - 1 adaptor for mobile compressor - 1 oil-can (250 ml) - 1 protection kit (goggles, gloves and earplugs) <i>Excavation for civil engineering and landscape.</i>	890210000	<b>2.520,00</b>	VII	18,00	




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## Scrap'Air® accessories

	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
	<b>Asphalt knife 8 cm</b>	890001001	<b>236,00</b>	VII	1,00	
	<b>Stripping knife</b> curved, 15 cm wide	890001002	<b>218,00</b>	VII	1,30	
	<b>2-top hat-reciprocating compressor</b> 350 litres/min. 230V	890010000	<b>3.340,00</b>	VII	69,00	
	<b>Oil atomizer</b>	980001500	<b>135,00</b>	VII	0,40	
	<b>10 m air hose</b> for Scrap Air	890001600	<b>131,00</b>	VII	2,20	
	<b>Carpet knife with a steel blade 15 cm</b> NEW version starting from 01.09.2021	980030003	<b>236,00</b>	VII	1,40	
	<b>Steel blade 15 cm</b> NEW version starting from 01.09.2021	980030004	<b>105,00</b>	VII	0,25	
	<b>Steel blade</b> until 31.08.2021	980030002	<b>105,00</b>	VII	0,25	





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## Water Aspirator and Suction Pumps

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	Simer Suction and immersion pump	50570000	282,00	II	5,30	
	Simer Level Control	50573000	344,00	II	0,50	
	Non-return valve 1 1/4"	50572000	106,00	II	0,09	
	Puddle Buddy Suction and immersion pump	50570001	253,00	II	5,30	
	20 m water hose 3/4"	16010000	127,00	II	5,50	

## Drying Roll

















	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	Drying Roll	50530000	170,00	II	5,50	
	Replacement roll	50533003	26,90	II	0,30	




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## Safety Bitumen Boilers with 19 - 250 l content

	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
	<b>KIPP 50 Propane</b> according to DIN exclusive of safety regulator and high-pressure hose	02110000	<b>1.630,00</b>	I	38,00	
	<b>Stationary 50 Propane</b> according to DIN exclusive of safety regulator and high-pressure hose	02150000	<b>1.720,00</b>	I	35,00	
	<b>PRIMAT 150 Propane</b> according to DIN exclusive of safety regulator and high-pressure hose	02130000	<b>4.890,00</b>	I	136,00	
	<b>PRIMAT 250 Propane</b> according to DIN exclusive of safety regulator and high-pressure hose	02140000	<b>5.920,00</b>	I	162,00	
	<b>REKORD DIN 19 Propane</b> according to DIN exclusive of safety regulator and high-pressure hose	02010000	<b>732,00</b>	I	13,00	
	<b>REKORD DIN 29 Propane</b> according to DIN exclusive of safety regulator and high-pressure hose	02020000	<b>827,00</b>	I	27,00	
	<b>REKORD DIN 49 Propane</b> according to DIN exclusive of safety regulator and high-pressure hose	02030000	<b>1.810,00</b>	I	49,00	
	<b>REKORD DIN 119 Propane</b> according to DIN exclusive of safety regulator and high-pressure hose	02040000	<b>4.690,00</b>	I	86,00	













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## Safety Bitumen Boilers with 19 - 250 l content

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>REKORD DIN 229 Propane</b> according to DIN exclusive of safety regulator and high-pressure hose	02050000	<b>5.910,00</b>	I 126,00		
	<b>Extra charge piezo-ignition</b> for PRIMAT 150, 250 and REKORD 119, 229	00502000	<b>155,00</b>	I 0,20		

## Boiler for special bitumen

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Oil bath boiler HR 90i</b> with manual agitator incl. heat transfer oil excl. hose and regulator	02429000	<b>10.350,00</b>	III 155,00		
	<b>Oil bath boiler HR 180i</b> with manual agitator incl. heat transfer oil excl. hose and regulator	02449000	<b>11.940,00</b>	III 264,00		
	<b>Oil bath boiler RK 180i</b> with motor agitator, electric incl. heat transfer oil excl. hose and regulator	02459000	<b>17.870,00</b>	III 310,00		
	<b>REKORD DIN 119 HR</b> with manual agitator incl. flame shield excl. hose and regulator	02319000	<b>6.760,00</b>	III 102,00		
	<b>REKORD DIN 229 HR</b> with manual agitator incl. flame shield excl. hose and regulator	02329000	<b>8.040,00</b>	III 145,00		
	<b>Extra charge piezo-ignition</b> for HR 90i, HR 180i, RK 180i and REKORD 119 HR, 229 HR	00502100	<b>155,00</b>	III 0,20		
	<b>REKORD DIN 229 MR</b> with motor agitator, electric incl. heat transfer oil excl. hose and regulator	02330000	<b>10.960,00</b>	III 200,00		

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## Technical passports and test certificates for roofing equipment

Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship-ment
<b>Technical passport and test certificate</b> for roofing equipment	999910202	<b>53,50</b>	IX		
<b>UVV according to DGUV 79</b> for roofing equipment boiler up to 49 l	999910301	<b>58,90</b>	IX		
<b>UVV according to DGUV 79</b> for roofing equipment boiler from 50 l	999910302	<b>160,00</b>	IX		





















## Propane Accessories

Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship-ment
 <b>Safety regulator 1.5 bar</b> with 3 m high-pressure hose	15010000	<b>120,00</b>	I	1,10	
 <b>Safety regulator 1.5 bar</b> with 3 m high-pressure hose	15020000	<b>143,00</b>	I	1,40	
 <b>Two-bottle connection</b> for simultaneous use	15560000	<b>97,00</b>	I	0,90	
 <b>Medium pressure regulator 1.5 bar</b> with hose failure valve	15410000	<b>65,10</b>	I	0,50	
 <b>Medium pressure regulator 4.0 bar</b> with hose failure valve	15420000	<b>65,10</b>	I	0,50	
 <b>3 m high-pressure hose</b> bilateral 3/8" left-hand	15250000	<b>55,80</b>	I	0,70	
 <b>5 m high-pressure hose</b> bilateral 3/8" left-hand	15260000	<b>75,20</b>	I	1,00	
 <b>10 m high-pressure hose</b> bilateral 3/8" left-hand	15270000	<b>120,00</b>	I	2,00	

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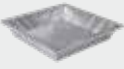





## Propane Accessories

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship-ment
	<b>Propane gas ignitor</b>	15590000	<b>5,90</b>	I	0,10	
	<b>1 box = 10 pieces fire stones</b>	15600000	<b>7,75</b>	I	0,01	
	<b>Leak gas safety device</b> with 5 m high-pressure hose and adjustable regulator 0,5-4 bar, 6 kg/h  <b>⚠ A double-walled hose must be used.</b>	14710000	<b>525,00</b>	I	2,10	
	<b>Leak gas safety device</b> with 5 m high-pressure hose and adjustable regulator 0,5-4 bar, 12 kg/h  <b>⚠ A double-walled hose must be used.</b>	14810000	<b>824,00</b>	I	2,10	
	<b>Leak gas safety device</b> with 10 m high-pressure hose and adjustable regulator 0,5-4 bar, 6 kg/h  <b>⚠ A double-walled hose must be used.</b>	14700000	<b>621,00</b>	I	3,20	
	<b>Leak gas safety device</b> with 10 m high-pressure hose and adjustable regulator 0,5-4 bar, 12 kg/h  <b>⚠ A double-walled hose must be used.</b>	14800000	<b>988,00</b>	I	3,20	
	<b>Leak gas safety device</b> Solo and adjustable regulator 0,5-4 bar, 6 kg/h  <b>⚠ A double-walled hose must be used.</b>	14720000	<b>299,00</b>	I	0,70	
	<b>Leak gas safety device</b> Solo and adjustable regulator 0,5-4 bar, 12 kg/h  <b>⚠ A double-walled hose must be used.</b>	14820000	<b>364,00</b>	I	1,00	
	<b>Thermometer 140 mm</b>	15660000	<b>66,60</b>	I	0,10	
	<b>Thermometer 310 mm</b>	15670000	<b>113,00</b>	I	0,14	











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## Tray for Bitumen Boilers and Oil Cans

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship-ment
	<b>Insert tub Size 1</b> for BK up to 49 l not suitable for KIPP 50 and Stationary 50 Insert dimensions: 660 x 660 mm	03050000	<b>284,00</b>	II	12,00	
	<b>Insert tub Size 2</b> for bitumen boiler up to 150 l Insert dimensions: 1.300 x 850 mm	03060000	<b>472,00</b>	II	21,00	
	<b>Insert tub Size 3</b> for bitumen boiler up to 250 l Insert dimensions: 1.700 x 1.000 mm	03070000	<b>605,00</b>	II	37,00	













## Bitumen Buckets, Bitumen Pouring Cans

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship-ment
	<b>Bitumen bucket 30 cm</b> without spout, approx. 20 l	50010000	<b>63,40</b>	II	3,00	
	<b>Bitumen bucket 30 cm</b> with spout, approx. 20 l	50030000	<b>72,20</b>	II	3,00	
	<b>Bitumen pouring can</b> galvanized, with large spout Ø 35 mm, approx. 12 l	50110000	<b>133,00</b>	II	3,00	
	<b>Bitumen pouring can</b> galvanized, with extra large spout Ø 40 mm, approx. 12 l	50120000	<b>139,00</b>	II	3,00	
	<b>Sealing can</b> approx. 3,5 l	50150000	<b>49,40</b>	II	0,90	

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## Gas Bottle Carriages and Gas Bottle Heater

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Shipment
	<b>Gas bottle heater</b> pot-galvanized, with electric heating element 230 V, for 1 gas bottle 33-kg or 11-kg	50730000	<b>2.160,00</b>	II	35,00	
	<b>Two-bottle connection</b> for simultaneous use of 2 propane gas bottles 33 kg	15560000	<b>97,00</b>	II	1,90	
	<b>Double branch piece</b> for 2 consumers	15530000	<b>71,80</b>	II	0,30	
	<b>Bottle carriage „MONO“</b>	50580000	<b>427,00</b>	II	12,00	
	<b>Bottle carriage „DUPL“</b>	50590000	<b>779,00</b>	II	24,00	
	<b>Bottle boy</b> galvanized for 11 and 33 kg bottle	50750000	<b>458,00</b>	II	13,00	

## Infrared-radiant heater















	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Shipment
	<b>Infrared-radiant heater</b> 2.500 - 4.000 W	59210000	<b>79,30</b>	III	2,90	




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## Propane Hand Burner

	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
<b>Burner for pre-heating</b>						
	<b>Burner for pre-heating A 25/400</b> - max. heat output 13,3 kW - Ø 25 mm burner head - 400 mm total length	01010000	<b>107,00</b>	VI	0,60	
	<b>Burner for pre-heating-Set A 25/400</b> - max. heat output 13,3 kW - Ø 25 mm burner head - 400 mm total length - 10 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	01011000	<b>281,00</b>	VI	2,90	
	<b>Burner for pre-heating A 25/500</b> - max. heat output 13,3 kW - Ø 25 mm burner head - 500 mm total length	01020000	<b>108,00</b>	VI	0,60	
	<b>Burner for pre-heating A 25/800</b> - max. heat output 13,3 kW - Ø 25 mm burner head - 800 mm total length	01030000	<b>113,00</b>	VI	0,70	
<b>Small Burner</b>						
	<b>Small Burner K 35/400</b> - max. heat output 18,1 kW - Ø 35 mm burner head - 400 mm total length	01040000	<b>113,00</b>	VI	0,60	
	<b>Burner for pre-heating-Set K 35/400</b> - max. heat output 18,1 kW - Ø 35 mm burner head - 400 mm total length - 5 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	02006000	<b>252,00</b>	VI	2,00	
	<b>Burner for pre-heating-Set K 35/400</b> - max. heat output 18,1 kW - Ø 35 mm burner head - 400 mm total length - 10 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	02006100	<b>288,00</b>	VI	2,90	













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## Propane Hand Burner

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Small Burner K 35/500</b> - max. heat output 18,1 kW - Ø 35 mm burner head - 500 mm total length	01050000	<b>114,00</b>	VI	0,60	
	<b>Small Burner K 35/800</b> - max. heat output 18,1 kW - Ø 35 mm burner head - 800 mm total length	01060000	<b>123,00</b>	VI	0,70	

















## Standard Burner




	<b>Standard Burner S 45/400</b> - max. heat output 44,6 kW - Ø 45 mm burner head - 400 mm total length	01070000	<b>114,00</b>	VI	0,60	
	<b>Standard Burner-Set S 45/400</b> - max. heat output 44,6 kW - Ø 45 mm burner head - 400 mm total length - 5 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	02005000	<b>252,00</b>	VI	2,00	
	<b>Standard Burner-Set S 45/400</b> - max. heat output 44,6 kW - Ø 45 mm burner head - 400 mm total length - 10 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	02005100	<b>289,00</b>	VI	2,90	
	<b>Standard Burner S 45/500</b> - max. heat output 44,6 kW - Ø 45 mm burner head - 500 mm total length	01080000	<b>115,00</b>	VI	0,70	
	<b>Standard Burner S 45/800</b> - max. heat output 44,6 kW - Ø 45 mm burner head - 800 mm total length	01090000	<b>123,00</b>	VI	0,80	
	<b>Standard Burner-Set S 45/800</b> - max. heat output 44,6 kW - Ø 45 mm burner head - 800 mm total length - 10 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	01995000	<b>297,00</b>	VI	3,10	

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## Propane Hand Burner

	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
<b>Universal Burner</b>						
	<b>Universal Burner U 55/400</b> - max. heat output 72,2 kW - Ø 55 mm burner head - 400 mm total length	01100000	<b>119,00</b>	VI	0,90	
	<b>Universal Burner-Set U 55/400</b> - max. heat output 72,2 kW - Ø 55 mm burner head - 400 mm total length - 10 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	02006500	<b>294,00</b>	VI	3,20	
	<b>Universal Burner U 55/500</b> - max. heat output 72,2 kW - Ø 55 mm burner head - 500 mm total length	01110000	<b>119,00</b>	VI	1,00	
	<b>Universal Burner U 55/800</b> - max. heat output 72,2 kW - Ø 55 mm burner head - 800 mm total length	01120000	<b>126,00</b>	VI	1,10	
	<b>Universal Burner-Set U 55 / 800</b> - max. heat output 72,2 kW - Ø 55 mm burner head - 800 mm total length - 5 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	01993000	<b>266,00</b>	VI	2,40	
	<b>Universal Burner-Set U 55 / 800</b> - max. heat output 72,2 kW - Ø 55 mm burner head - 800 mm total length - 10 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	01991000	<b>303,00</b>	VI	3,60	
	<b>Universal Burner U 55/900</b> - max. heat output 72,2 kW - Ø 55 mm burner head - 900 mm total length	01120001	<b>127,00</b>	VI	1,12	
	<b>Universal Burner U 55/1000</b> - max. heat output 72,2 kW - Ø 55 mm burner head - 1.000 mm total length	01120002	<b>128,00</b>	VI	1,14	

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## Propane Hand Burner

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
<b>Strong Burner</b>						
	<b>Strong Burner ST 65/400</b> - max. heat output 119,4 kW - Ø 65 mm burner head - 400 mm total length	01130000	<b>124,00</b>	VI	0,90	
	<b>Strong Burner ST 65/500</b> - max. heat output 119,4 kW - Ø 65 mm burner head - 500 mm total length	01140000	<b>126,00</b>	VI	1,00	
	<b>Strong Burner ST 65/800</b> - max. heat output 119,4 kW - Ø 65 mm burner head - 800 mm total length	01150000	<b>134,00</b>	VI	1,20	
	<b>Strong Burner-Set ST 65 / 800</b> - max. heat output 119,4 kW - Ø 65 mm burner head - 800 mm total length - 5 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	02003000	<b>271,00</b>	VI	2,50	
	<b>Strong Burner-Set ST 65 / 800</b> - max. heat output 119,4 kW - Ø 65 mm burner head - 800 mm total length - 10 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	02001000	<b>308,00</b>	VI	3,70	
	<b>Strong Burner ST 65/900</b> - max. heat output 119,4 kW - Ø 65 mm burner head - 900 mm total length	01150001	<b>135,00</b>	VI	1,22	
	<b>Strong Burner ST 65/1000</b> - max. heat output 119,4 kW - Ø 65 mm burner head - 1.000 mm total length	01150002	<b>136,00</b>	VI	1,24	

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## Multi Flame Burner

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Shipment
	<b>Multi Flame Burner M2</b> - max. heat output 89,2 kW - 2 x Ø 45 mm burner head - 800 mm total length	01260000	<b>184,00</b>	VI	1,60	
	<b>Multi Flame Burner M4</b> - max. heat output 178,4 kW - 4 x Ø 45 mm burner head - 800 mm total length	01270000	<b>255,00</b>	VI	1,80	

## Special Burner







	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Shipment
	<b>Bully-Burner</b> - max. heat output 119 kW - Ø 85 mm burner head - approx. 950 mm total length	01220000	<b>341,00</b>	III	2,20	
	<b>Super Turbo</b> - max. heat output 147,1 kW - Ø 75 mm burner head - approx. 800 mm total length	01210000	<b>298,00</b>	VI	1,20	
	<b>Broad Headed Burner</b> - max. heat output 73,5 kW - Burner head wide 130 mm - approx. 400 mm total length	08180000	<b>201,00</b>	III	0,80	
	<b>Broad Headed Burner</b> - max. heat output 147 kW - Burner head wide 180 mm - approx. 900 mm total length	08160000	<b>224,00</b>	III	1,10	

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## Special Burner

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Shipment
	<b>Special Torch for sealing joints</b> - max. heat output 18,1 kW - nozzle 0,7 mm - approx. 1.500 mm total length	08110000	<b>422,00</b>	III	2,60	
	<b>Special Torch EXTRA</b> - max. heat output 53 kW - nozzle 1,2 mm - approx. 1.500 mm total length	08100000	<b>454,00</b>	III	2,60	
	<b>Propane - Handheld - Welding Torch N45</b> - max. heat output 30 kW - nozzle 0,9 mm - approx. 1.250 mm total length	08140000	<b>170,00</b>	VI	1,30	

## Accessories for Special Torches







	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Shipment
	<b>5 m high-pressure hose 6,3 x 5 mm</b> with adjustable regulator, manometer and hose failure valve	13750000	<b>186,00</b>	III	1,40	
	<b>10 m high-pressure hose 6,3 x 5 mm</b> with adjustable regulator, manometer and hose failure valve	13770000	<b>217,00</b>	III	2,30	




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## Burner Boxes







	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship-ment
<b>NEW</b> 	<b>Burner box STAINLESS STEEL</b> Dimensions approx. 1.112 x 411 x 101 mm - 1 x Strong Burner ST 65/800 - 1 x Small Burner K 35/400 - 1 x Rotary quick coupling complete incl. Pin - 1 x Coupling Pin - 1 x 10 m high-pressure hose with medium pressure regulator 4 bar with integrated hose failure valve	01982000	<b>673,00</b>	III	15,50	
<b>NEW</b> 	<b>Burner box TITANIUM</b> Dimensions approx. 1.112 x 411 x 101 mm - 1 x Titanium-Strong-Burner TS 65/800 - 1 x Titanium-Burner TK 35/400 for pre-heating - 1 x Rotary quick coupling complete incl. Pin - 1 x Coupling Pin - 1 x 10 m high-pressure hose with medium pressure regulator 4 bar with integrated hose failure valve	01983000	<b>758,00</b>	III	15,00	
<b>NEW</b> 	<b>Burner box SILENT</b> Dimensions approx. 1.112 x 411 x 101 mm - 1 x Silent Burner LS 95/900 - 1 x Small Burner K 35/400 - 1 x Rotary quick coupling complete incl. Pin - 1 x Coupling Pin - 1 x 10 m high-pressure hose with vadjustable regulator, 0,5 - 4 bar with hose-failure-protection	01984000	<b>730,00</b>	III	15,40	

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## Burner Boxes

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Burner box STANDARD</b> Dimensions approx. 610 x 310 x 95 mm <ul style="list-style-type: none"> <li>- 1 Burner head A 25 mm Ø, 9,2 kW</li> <li>- 1 Wide beam burner head K 35 for seam weldings 13,3 kW</li> <li>- 1 Burner head S 45 mm Ø, 44,6 kW</li> <li>- 1 Burner head U 55 mm Ø, 72,2 kW</li> <li>- 1 Burner pipe 500 mm long</li> <li>- 1 Burner pipe 200 mm long</li> <li>- 1 Burner pipe 100 mm long</li> <li>- 3 Spring-supports</li> <li>- 1 Handle with fast-switch-automatics</li> <li>- 1 High-pressure hose 6,3 x 5 mm, 5 m long, bilateral 3/8" left</li> <li>- 1 Medium pressure regulator 4 bar with integrated hose failure valve</li> <li>- 1 Gas lighter</li> <li>- 1 can spare-flints</li> <li>- 1 Hose connector bilateral 3/8" left</li> <li>- 1 Felt puller</li> <li>- Face spanner each SW 30, SW 19/22, SW 17/19, SW 14/15</li> <li>- 1 Screwdriver</li> <li>- 1 pair working gloves</li> </ul>	01910000	728,00	III	10,60	
	<b>Burner box EXCLUSIV</b> Dimensions approx. 810 x 370 x 95 mm <ul style="list-style-type: none"> <li>- 1 Universal burner U 55, 72,2 kW complete with handle and burner pipe 500 mm long = 800 mm total length and spring support</li> <li>- 1 Burner head St 65 mm Ø, 119,4 kW with burner pipe 500 mm and spring support</li> <li>- 1 Burner head S 45 mm Ø, 44,6 kW with burner pipe 200 mm and spring support</li> <li>- 1 Burner head A 25 mm Ø, 9,2 kW with burner pipe 100 mm and spring support</li> <li>- 1 Wide beam burner head K 35, 13,3 kW for seam weldings</li> <li>- 1 Handle with fast-switch-automatics</li> <li>- 1 High-pressure hose 6,3 x 5 mm, 5 m long, bilateral 3/8" left</li> <li>- 1 Medium pressure regulator 4 bar with integrated hose failure valve</li> <li>- 1 Gas lighter</li> <li>- 1 can spare-flints</li> <li>- 1 Hose connector bilateral 3/8" left</li> <li>- 1 Felt puller</li> <li>- Face spanner each SW 30, SW 19/22, SW 17/19, SW 14/15</li> <li>- 1 Screwdriver</li> <li>- 1 pair working gloves</li> </ul>	01920000	903,00	III	13,90	



















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# Propan Silent Burner

To be used **without** hearing protection as under 85dB



	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Propane Silent Burner LB 120</b> - max. heat output 120 kW - 900 mm total length	01380000	<b>139,00</b>	III	0,80	
	<b>Propane Silent Burner-Set LB 120</b> - max. heat output 120 kW - 900 mm total length - 5 m high-pressure hose - vadjustable regulator, 0,5 - 4 bar with hose-failure-protection	01380500	<b>247,00</b>	III	2,40	
	<b>Propane Silent Burner-Set LB 120</b> - max. heat output 120 kW - 900 mm total length - 10 m high-pressure hose - vadjustable regulator, 0,5 - 4 bar with hose-failure-protection	01381000	<b>274,00</b>	III	3,80	
	<b>Propane Silent Burner LS 95</b> - max. heat output 95 kW - 900 mm total length	01390000	<b>138,00</b>	III	0,80	
	<b>Propane Silent Burner-Set LS 95</b> - max. heat output 95 kW - 900 mm total length - 5 m high-pressure hose - vadjustable regulator, 0,5 - 4 bar with hose-failure-protection	01390500	<b>245,00</b>	III	2,40	
	<b>Propane Silent Burner-Set LS 95</b> - max. heat output 95 kW - 900 mm total length - 10 m high-pressure hose - vadjustable regulator, 0,5 - 4 bar with hose-failure-protection	01391000	<b>273,00</b>	III	3,80	
	<b>Propane Silent Burner LSt 105</b> - max. heat output 105 kW - 900 mm total length	01370000	<b>119,00</b>	III	0,80	
	<b>Propane Silent Burner LSt 105</b> - max. heat output 105 kW - 900 mm total length - 5 m high-pressure hose - vadjustable regulator, 0,5 - 4 bar with hose-failure-protection	01370500	<b>229,00</b>	III	2,40	
	<b>Propane Silent Burner LSt 105</b> - max. heat output 105 kW - 900 mm total length - 10 m high-pressure hose - vadjustable regulator, 0,5 - 4 bar with hose-failure-protection	01371000	<b>255,00</b>	III	3,80	

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= 10,- €/parcel















= 25,- €/long parcel



= delivery by forwarding agent on request

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## Accessories for Silent Burners

	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
	<b>5 m high pressure hose</b> with adjustable regulator, 0,5 - 4 bar and hose-failure-protection	15130000	<b>115,00</b>	III	1,40	
	<b>10 m high pressure hose</b> with adjustable regulator, 0,5 - 4 bar and hose-failure-protection	15140000	<b>146,00</b>	III	2,30	
	<b>Adjustable regulator 0,5 - 4 bar</b> with hose-failure-protection	15501000	<b>62,60</b>	III	0,40	
	<b>Armrest</b> for Silent Burner LS 95 and LB 120	01380200	<b>12,00</b>	III	0,14	
	<b>Handgrip</b> for armrest Silent Burner LS 95 and LB 120	01380100	<b>67,50</b>	III	0,45	
	<b>Burner head LSt 105</b> Transform your welding torch and reduce its noise output when in use	01370300	<b>37,60</b>	III	0,25	

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## TITANIUM-Propane-Burner




Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
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### TITANIUM-Strong-Burner

 <b>TITANIUM-Strong-Burner TS 65/800</b> - max. heat output 120 kW - Ø 65 mm burner head - 800 mm total length	01280000	<b>190,00</b>	VIII	0,80	
 <b>TITANIUM-Strong-Burner TS 65/900</b> - max. heat output 120 kW - Ø 65 mm burner head - 900 mm total length	01281200	<b>197,00</b>	VIII	0,84	
 <b>TITANIUM-Strong-Burner TS 65/1000</b> - max. heat output 120 kW - Ø 65 mm burner head - 1.000 mm total length	01281300	<b>205,00</b>	VIII	0,85	
 <b>TITANIUM-Strong-Burner-Set TS 65/800</b> - max. heat output 120 kW - Ø 65 mm burner head - 800 mm total length - 5 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	01280500	<b>324,00</b>	VIII	2,40	
 <b>TITANIUM-Strong-Burner-Set TS 65/800</b> - max. heat output 120 kW - Ø 65 mm burner head - 800 mm total length - 10 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	01281000	<b>367,00</b>	VIII	3,80	



### TITANIUM-Universal-Burner

 <b>TITANIUM-Universal-Burner TM 55/800</b> - max. heat output 72 kW - Ø 55 mm burner head - 800 mm total length	01290000	<b>186,00</b>	VIII	0,70	
 <b>TITANIUM-Universal-Burner TM 55/1000</b> - max. heat output 72 kW - Ø 55 mm burner head - 1.000 mm total length	01291300	<b>196,00</b>	VIII	0,83	
 <b>TITANIUM-Universal-Burner-Set TM 55/800</b> - max. heat output 72 kW - Ø 55 mm burner head - 800 mm total length - 5 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	01290500	<b>322,00</b>	VIII	2,30	













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## TITANIUM-Propane-Burner

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship-ment
	<b>TITANIUM-Universal-Burner-Set TM 55/800</b> - max. heat output 72 kW - Ø 55 mm burner head - 800 mm total length - 10 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	01291000	<b>363,00</b>	VIII	3,70	











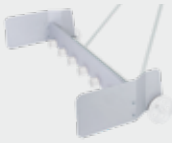



### TITANIUM-Burner for pre-heating




	<b>TITANIUM-Burner TA 55/400 for pre-heating</b> - max. heat output 72 kW - Ø 55 mm burner head - 400 mm total length	01300000	<b>182,00</b>	VIII	0,60	
	<b>TITANIUM-Burner-Set TA 55/400 for pre-heating</b> - max. heat output 72 kW - Ø 55 mm burner head - 400 mm total length - 5 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	01300500	<b>317,00</b>	VIII	2,20	
	<b>TITANIUM-Burner-Set TA 55/400 for pre-heating</b> - max. heat output 72 kW - Ø 55 mm burner head - 400 mm total length - 10 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	01301000	<b>358,00</b>	VIII	3,60	
	<b>TITANIUM-Burner TK 35/400 for pre-heating</b> - max. heat output 18 kW - Ø 35 mm burner head - 400 mm total length	01400000	<b>180,00</b>	VIII	0,50	
	<b>TITANIUM-Burner-Set TK 35/400 for pre-heating</b> - max. heat output 18 kW - Ø 35 mm burner head - 400 mm total length - 5 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	01400500	<b>314,00</b>	VIII	2,20	
	<b>TITANIUM-Burner-Set TK 35/400 for pre-heating</b> - max. heat output 18 kW - Ø 35 mm burner head - 400 mm total length - 10 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	01401000	<b>357,00</b>	VIII	3,60	

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# Propane-Wide-Area-Rolling-Burner

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Rolling Burner V4/45</b> - max. heat output 177,8 kW - 4 x Ø 45 mm burner head - width 580 mm - approx. 1.200 mm total length	01310000	<b>464,00</b>	VI	4,20	
	<b>Rolling Burner E4/45</b> - max. heat output 177,8 kW - 4 x Ø 45 mm burner head - width 580 mm - approx. 1.200 mm total length - 1-man-laying-method	01320000	<b>603,00</b>	VI	4,70	
<b>NEW</b> 	<b>Rolling Burner V7/45</b> - max. heat output 367,4 kW - outer, individually adjustable burners - 5 x Ø 45 mm and 2 x Ø 55 mm burners - 930 mm width (with rollers 1,060 mm) - approx. 1,200 mm total length - without wind protection	01330200	<b>1.450,00</b>	VI	8,00	
	<b>Rolling Burner V7/45</b> - max. heat output 312,7 kW - 7 x Ø 45 mm burner head - width 930 mm (with rolls width 1.060 mm) - approx. 1.200 mm total length - without windshield	01330000	<b>831,00</b>	VI	7,00	
	<b>Rolling Burner V7/45</b> - max. heat output 312,7 kW - 7 x Ø 45 mm burner head - width 930 mm (with rolls width 1.060 mm) - approx. 1.200 mm total length - with windshield	01340000	<b>1.110,00</b>	VI	10,90	
	<b>Windshield</b> for retrofitting to VE7 55/45 and V7/45 (Art. 01330000 and 01330200)	01331000	<b>282,00</b>	VI	3,90	
	<b>Heavy Duty Felt Applicator</b> - has 23 burner nozzles, which are arranged in 5 burner assemblies - the burner elements are individually adjustable - Heating capacity 210 kW - Working width 1 m	01950000	<b>3.850,00</b>	III	55,00	

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## Accessories for Propane Hand Burners




	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship-ment
	<b>5 m high-pressure hose with medium pressure regulator 4 bar and hose failure valve</b>	15070000	<b>143,00</b>	VI	1,40	
	<b>10 m high-pressure hose with medium pressure regulator 4 bar and hose failure valve</b>	15080000	<b>192,00</b>	VI	2,30	
	<b>Hose screw-on connection bilateral 3/8"</b>	15540000	<b>9,15</b>	III	0,03	
	<b>4 bar regulator with hose failure valve</b>	15420000	<b>65,10</b>	III	0,38	
	<b>Bottle connection sealing for regulator</b>	15410001	<b>1,20</b>	III	0,01	
	<b>Rotary hose-connection point 3/8", 45°</b>	992010202	<b>17,30</b>	III	0,05	
	<b>Leak gas safety device with 5 m high-pressure hose and adjustable regulator 0,5-4 bar, 6 kg/h</b> <b>⚠ A double-walled hose must be used.</b>	14710000	<b>525,00</b>	I	2,10	
	<b>Leak gas safety device with 5 m high-pressure hose and adjustable regulator 0,5-4 bar, 12 kg/h</b> <b>⚠ A double-walled hose must be used.</b>	14810000	<b>824,00</b>	I	2,10	
	<b>Leak gas safety device with 10 m high-pressure hose and adjustable regulator 0,5-4 bar, 6 kg/h</b> <b>⚠ A double-walled hose must be used.</b>	14700000	<b>621,00</b>	I	3,20	

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## Accessories for Propane Hand Burners







	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Leak gas safety device</b> with 10 m high-pressure hose and adjustable regulator 0,5-4 bar, 12 kg/h  <b>⚠ A double-walled hose must be used.</b>	14800000	<b>988,00</b>	I	3,20	
	<b>Leak gas safety device</b> Solo and adjustable regulator 0,5-4 bar, 6 kg/h  <b>⚠ A double-walled hose must be used.</b>	14720000	<b>299,00</b>	I	0,70	
	<b>Leak gas safety device</b> Solo and adjustable regulator 0,5-4 bar, 12 kg/h  <b>⚠ A double-walled hose must be used.</b>	14820000	<b>364,00</b>	I	1,00	
	<b>Rotary quick coupling complete</b> and coupling pin for 3/8" propane hoses	17800000	<b>59,60</b>	VI	0,12	
	<b>Rotary quick coupling</b> for 3/8" propane hoses"	17800100	<b>39,20</b>	VI	0,08	
	<b>Coupling Pin</b> for 3/8" propane hoses"	17800200	<b>20,90</b>	VI	0,04	
	<b>Handle</b> with fast acting lever	01001000	<b>67,50</b>	III	0,30	
	<b>Roll moving device</b> the length is telescopic	03300000	<b>74,70</b>	III	1,30	
	<b>Roller guide</b>	03180000	<b>376,00</b>	III	4,00	
	<b>Felt applicator</b>	03190000	<b>511,00</b>	III	13,00	

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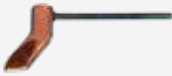

















## Accessories for Propane Hand Burners




	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Shipment
	<b>DBW 1100 Speedy roofing membrane transport trolley</b>	03190100	<b>651,00</b>	VII	12,20	
	<b>Pressure roller</b> approx. 2 kg	03290000	<b>253,00</b>	III	2,00	
	<b>Pressure roller</b> with higher pressing weight approx. 9 kg and silicon cover, suitable for 1-man-method	03500000	<b>302,00</b>	III	9,00	

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## Propane - Soldering Devices

	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
	<b>Soldering iron torch</b> complete with wind shield, without copper piece	25100000	<b>105,00</b>	VI	0,60	
	<b>Soldering iron torch</b> complete without wind shield, without copper piece	2510000W	<b>88,50</b>	VI	0,46	
	<b>Copper piece hammer form 250 g bended</b> for soldering iron torch 25100000	25110000	<b>22,50</b>	VI	0,30	
	<b>Copper piece hammer form 350 g bended</b> for soldering iron torch 25100000	25120000	<b>29,70</b>	VI	0,40	
	<b>Copper piece hammer form 500 g bended</b> for soldering iron torch 25100000	25090000	<b>38,70</b>	VI	0,50	
	<b>Copper piece hammer form 350 g straight</b> for soldering iron torch 25100000	25130000	<b>29,70</b>	VI	0,40	
	<b>Copper piece hammer form 500 g straight</b> for soldering iron torch 25100000	25070000	<b>38,70</b>	VI	0,50	
	<b>Copper piece pointed form 250 g</b> for soldering iron torch 25100000	25140000	<b>22,50</b>	VI	0,30	
	<b>Copper piece pointed form 350 g</b> for soldering iron torch 2510 0000	25080000	<b>29,70</b>	VI	0,40	
<b>CAUTION: Copper prices and Material surcharge</b>						
	<b>Soldering iron hammer form with special steel coating 325 g</b> for soldering iron torch 25100000	25030000	<b>174,00</b>	VI	0,34	
	<b>Soldering iron pointed form with special steel coating 325 g</b> for soldering iron torch 25100000	25040000	<b>174,00</b>	VI	0,38	

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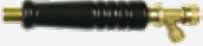





















## Propane - Soldering Devices




	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
	<b>Soft soldering set Prop 1</b> consisting of: - soldering iron complete with wind shield - copper piece 350 g, - smallest bottle for propane 0,425 kg - 1,5 m high-pressure hose - medium pressure regulator with hose failure valve	25760000	<b>324,00</b>	VI	3,20	
	<b>Soft soldering set Prop 2</b> consisting of: - soldering iron complete with wind shield - copper piece 350 g - smallest bottle for propane 0,425 kg - 5 m high-pressure hose - medium pressure regulator with hose failure valve - refill adapter	25780000	<b>370,00</b>	VI	4,30	

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## Soft soldering and burning-off paint

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship-ment
	Special soldering handle	25200000	52,60	VI	0,33	
	Soldering iron support	25100300	21,20	VI	0,08	
	Soldering iron torch	25100100	16,60	VI	0,06	
	Windshield	25100200	17,00	VI	0,14	
	Soft soldering insertion 40° bended size 3	25210000	14,60	VI	0,06	
	Soft soldering insertion 40° bended size 5	25220000	20,90	VI	0,07	
	Soft soldering insertion 40° bended size 7	25230000	23,80	VI	0,08	
	Insertion for burning-off paint 32 mm	25240000	62,40	VI	0,11	
	Insertion for burning-off paint 64 mm	25250000	73,60	VI	0,12	
	1,5 m high-pressure hose with connection for smallest bottle 0,425 kg	25850000	25,10	VI	0,90	
	Medium pressure regulator for smallest bottle with hose failure valve, 3/8" left-hand	25950000	59,10	VI	0,30	

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## Soft soldering and burning-off paint




	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
	<b>2 m high-pressure hose</b> with adjustable low-pressure reducer, manometer and hose failure valve	25910000	<b>175,00</b>	VI	1,10	
	<b>Smallest bottle for propane</b> filling weight 0,425 kg	24800000	<b>117,00</b>	VI	3,10	
	<b>Refill adapter</b> for 3-, 5- and 11-kg-bottles	24810000	<b>29,60</b>	VI	0,20	

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## Complete soldering sets













	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Soft soldering set Premium</b> in robust sheet-steel case. With burner combinations for soft soldering, lead soldering, heating and flame-cleaning, as well as for light hard soldering. <b>With</b> small bottle. Consisting of: - Universal soldering handle - soldering holder, wind cage - copper hatchet-type iron, 350 g, angled - soft soldering burner sizes 3, 5 and 7 - broad welding torch, 32 and 64 mm - refill adaptor - propane gas igniter - wrench SW 17/19 - small bottle with stand - 1.5 m propane hose	25550000	<b>542,00</b>	III	9,10	
	<b>Soft soldering set Premium</b> in robust sheet-steel case. With burner combinations for soft soldering, lead soldering, heating and flame-cleaning, as well as for light hard soldering. <b>Without</b> small bottle. Consisting of: - Universal soldering handle - soldering holder, wind cage - copper hatchet-type iron, 350 g, angled - soft soldering burner sizes 3, 5 and 7 - broad welding torch, 32 and 64 mm - refill adaptor - propane gas igniter - wrench SW 17/19 - 1.5 m propane hose	25560000	<b>431,00</b>	III	6,00	
	<b>Soft soldering set Prop 1</b> with transport case Consisting of: - soldering iron complete with wind shield - copper piece 350 g - smallest bottle for propane 0,425 kg - 1,5 m high-pressure hose - medium pressure regulator with hose failure valve	25750000	<b>306,00</b>	III	7,00	
	<b>Soft soldering set Prop 2</b> with transport case Consisting of: - soldering iron complete with wind shield - copper piece 350 g - smallest bottle for propane 0,425 kg - 5 m high-pressure hose - medium pressure regulator with hose failure valve - refill adapter	25770000	<b>339,00</b>	III	8,10	

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## Silicone-pressure roller and accessories

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Silicone-pressure roller 90 mm</b> Silicone roll, ballbearings, riveted axis, ergonomical wooden handle for maximum pressure, bracketed on both sides, for overlap welding.	15890000	<b>102,00</b>	II	0,40	
	<b>Silicone-pressure roller 45 mm</b> Silicone roll, two smooth running ball bearings, screwed axis, ergonomical wooden handle for maximum pressure, bracketed on one side, for overlap welding.	15900000	<b>48,50</b>	II	0,20	
	<b>Silicone-pressure roller 28 mm</b> Silicone roll, ballbearings, riveted axis, ergonomical wooden handle for maximum pressure, bracketed on one side, for overlap welding.	15890100	<b>52,00</b>	II	0,20	
	<b>Silicone-pressure roller 45 mm - 45 °</b> Silicone roll, two smooth running ball bearings, screwed axis, ergonomical wooden handle for maximum pressure, bracketed on one side, for overlap welding.	15900100	<b>52,30</b>	II	0,20	
	<b>Brass-pressure roller</b> Especially small and convex brass roll, smooth running ball bearings, ergonomical wooden handle for maximum pressure.	15900200	<b>47,90</b>	II	0,20	
	<b>Weld seam tester</b> Weld seam tester with wooden handle, 90° angled.	15900300	<b>10,60</b>	II	0,10	

















## Adhesive systems




	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Applicator for PU-adhesive</b> with 4 pockets	50690000	<b>909,00</b>	II	19,50	

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## Plastic Discharge chutes and accessories

	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
	<b>Plastic discharge chute „SchuttStar 120“</b> Ø 57/40 cm, 1,2 m (replacement for 40250000)	40252000	<b>109,00</b>	II	9,50	
	<b>Branch piece 1100</b> for discharge chute SchuttStar 120	40120000	<b>344,00</b>	II	22,00	
	<b>Plastic charging hopper</b> for discharge chute SchuttStar 120	40050000	<b>265,00</b>	II	8,00	
	<b>Dust sleeve</b> for discharge chute SchuttStar 120	40280000	<b>38,90</b>	II	0,40	
	<b>Scaffold fixture</b> galvanized	40550000	<b>694,00</b>	II	32,00	
	<b>Manoeuvring cord</b> with carabiner, plastic 30 m	40470000	<b>34,80</b>	II	1,60	
	<b>Manoeuvring cord</b> with carabiner, plastic 50 m	40480000	<b>58,50</b>	II	2,60	
	<b>Container-tarpaulin 2.900 x 4.800 mm</b> with filling hole and mounting means	40510000	<b>804,00</b>	II	10,00	

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## Hand Spraying Device

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Shipment
	<b>Hand wing pump</b> without spray hose and spray pipe	51210000	<b>2.060,00</b>	II	27,50	







## Accessories for Hand Spraying Device

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Shipment
	<b>10 m spraying hose 1" /3/4"</b>	16110000	<b>269,00</b>	II	3,50	
	<b>5 m spraying hose 1" /3/4"</b>	16120000	<b>177,00</b>	II	1,80	
	<b>Spray tube for hand wing pump</b>	16219000	<b>426,00</b>	II	0,91	

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# Motor Spraying Devices

	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
	<b>Graco Roof Sprayer ST Max™ II 495 PC Pro Hi-Boy</b> for primer and acrylic-based emulsion paint, e.g. Sandroplast roof loads  - 1.2 kW electric direct current motor, 230 V - max. nozzle size 1 gun 0.025 - max. pressure 227 bar - max. output 2.3 l/min.  <b>Complete with:</b> Contractor™ spray gun, filter (spray gun and assembly block), 240794 BlueMax™ II hose 1/4" x 15 m, RAC™ X (PAA517) nozzle and nozzle holder, ProGuard + voltage protection.	7999170000	<b>5.200,00</b>	VII	30,00	
	<b>Graco Roof Sprayer Mark V ProContractor</b> for primer and acrylic-based emulsion paint e.g. Sandroplast roof loads  - 1.6 kW electric direct current motor, 230 V - max. nozzle size 1 gun 0.037" - max. pressure 230 bar - max. output 4.3 l/min.  <b>Complete with:</b> SmartControl™ 3.0, WatchDog™, FastFlush™, ProConnect 2™, QuikReel™, spray gun with HandTite™ RAC X™ nozzle holder and nozzles, BlueMax™ II hose whip 0.90 m, BlueMax II hose 30 m, TSL™ 0.25 l, 197193 universal hammer, 111733 adjustable Adjustable spanner and blue tool box. Everything completely assembled!	7999150000	<b>11.830,00</b>	IV	65,00	
 <b>NEW</b>	<b>GH5040 Roof Sprayer</b> for spraying sealants, roof coverings and protective coatings  - 9.7 kW petrol motor - max. nozzle size 1 gun 0.067" - max. pressure 345 bar - max. output 13.2 l/min.	7999190000	<b>21.810,00</b>	IV	197,00	

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= 10,- €/parcel








= 25,- €/long parcel






= delivery by forwarding agent on request

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## Accessories for Motor Spraying Devices

Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
<b>Material hose A/L 1/4" 15 m</b> with galvanised screw fittings	X01240794	<b>220,50</b>	IV	1,80	
<b>Double nipple 1/4"</b>	X01156971	<b>10,20</b>	IV	0,02	
<b>Pro nozzle extension 50 cm</b>	X01287021	<b>136,50</b>	IV		
<b>Contractor spray gun</b> 4-finger, RAC X nozzle holder and 517 nozzle, filter mesh size 60 mesh	X01288009	<b>318,00</b>	IV		
<b>TSL fluid, 1 litre</b> Prevents the paint hardening on the piston rod and pump packing; extends the service life of the material pump.	99700041	<b>77,00</b>	IV	1,15	





## Accessories for ST Max™ II 495 PC Pro Hi-Boy

Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
<b>Easy Out pump filter 30</b> mesh size 30	X01246425	<b>33,50</b>	IV	0,03	
<b>Easy Out pump filter 60</b> mesh size 60	X01246384	<b>33,50</b>	IV	0,03	
<b>Easy Out pump filter 100</b> mesh size 100	X01246382	<b>33,50</b>	IV	0,03	


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## Accessories for Mark V ProContractor

Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
<b>Easy Out pump filter 30 for HD filter</b> mesh size 30	X01244071	<b>27,50</b>	IV	0,03	
<b>Easy Out pump filter 60 for HD filter</b> mesh size 60	X01244067	<b>38,50</b>	IV	0,03	
<b>Easy Out pump filter 100 for HD filter</b> mesh size 100	X01244068	<b>38,50</b>	IV	0,03	
<b>Suction filter 8 mesh</b>	X01189920	<b>55,00</b>	IV	0,05	

## Accessories for GH5040









Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
<b>Hose packet for GH5040</b> - 5 x H55050 1/2" x 15 m hose - 1 x H53810 3/8" x 3 m Schlauch - 1 x H52503 1/4" x 0.9 m hose - Flex Plus gun - XHD517 and XHD531 nozzles - gun extension of 50 cm	X0116U759	<b>7.940,00</b>	IV		

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## Packed items

















	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship-ment
	<b>Small Burner K 35 / 400</b> - max. heat output 18,1 kW - Ø 35 mm burner head - 400 mm total length	01040000VV	122,00	VI	0,60	
	<b>Burner for pre-heating-Set K 35 / 400</b> - max. heat output 18,1 kW - Ø 35 mm burner head - 400 mm total length - 5 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	02006000VV	258,00	VI	2,00	
	<b>Standard Burner S 45 / 400</b> - max. heat output 44,6 kW - Ø 45 mm burner head - 400 mm total length	01070000VV	123,00	VI	0,60	
	<b>Universal Burner U 55/400</b> - max. heat output 72,2 kW - Ø 55 mm burner head - 400 mm total length	01100000VV	126,00	VI	1,10	




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## Packed items

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Shipment
	<b>Universal Burner U 55 / 500</b> - max. heat output 72,2 kW - Ø 55 mm burner head - 500 mm total length	01110000VV	<b>129,00</b>	VI	1,00	
	<b>Universal Burner U 55 / 800</b> - max. heat output 72,2 kW - Ø 55 mm burner head - 800 mm total length	01120000VV	<b>136,00</b>	VI	1,10	
	<b>Universal Burner-Set U 55 / 800</b> - max. heat output 72,2 kW - Ø 55 mm burner head - 800 mm total length - 10 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	01991000VV	<b>310,00</b>	VI	3,60	
	<b>Strong Burner ST 65/400</b> - max. heat output 119,4 kW - Ø 65 mm burner head - 400 mm total length	01130000VV	<b>122,00</b>	VI	1,00	
	<b>Strong Burner ST 65 / 800</b> - max. heat output 119,4 kW - Ø 65 mm burner head - 800 mm total length	01150000VV	<b>142,00</b>	VI	1,20	
	<b>Strong Burner-Set ST 65 / 800</b> - max. heat output 119,4 kW - Ø 65 mm burner head - 800 mm total length - 10 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	02001000VV	<b>316,00</b>	VI	3,70	
	<b>TITANIUM-Strong-Burner TS 65</b> - max. heat output 120 kW - Ø 65 mm burner head - 800 mm total length	01280000VV	<b>197,00</b>	VIII	0,80	

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## Packed items




	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
	<b>TITANIUM-Strong-Burner-Set TS 65 / 800</b> - max. heat output 120 kW - Ø 65 mm burner head - 800 mm total length - 10 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	01281000VV	<b>376,00</b>	VIII	2,40	
	<b>TITANIUM-Burner TA 55/400 for pre-heating</b> - max. heat output 72 kW - Ø 55 mm burner head - 400 mm total length	01300000VV	<b>188,00</b>	VIII	1,00	
	<b>TITANIUM-Universal-Burner TM 55</b> - max. heat output 72 kW - Ø 55 mm burner head - 800 mm total length	01290000VV	<b>195,00</b>	VIII	0,70	
	<b>TITANIUM-Universal-Burner-Set TM 55 / 800</b> - max. heat output 72 kW - Ø 55 mm burner head - 800 mm total length - 10 m high-pressure hose - 4 bar medium pressure regulator with hose failure valve	01291000VV	<b>373,00</b>	VIII	2,30	
	<b>Propane Silent Burner LB 120</b> - max. heat output 120 kW - 900 mm total length	01380000VV	<b>148,00</b>	III	1,20	
	<b>Handle</b> with fast acting lever	01001000VV	<b>73,00</b>	III	0,30	
	<b>Burner tube</b> 100 mm with union nut	01012108VV	<b>21,20</b>	III	0,06	

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## Packed items

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
 	<b>Burner tube</b> 200 mm with union nut	01022105VV	<b>22,50</b>	III	0,12	
 	<b>Spring support</b>	01012109VV	<b>10,50</b>	III	0,05	
 	<b>Brass burner head A 25</b>	01016000VV	<b>20,90</b>	III	0,10	
 	<b>Stainless steel burner head D 35</b>	01046000VV	<b>28,10</b>	III	0,06	
 	<b>Stainless steel burner head D 45</b>	01076000VV	<b>31,50</b>	III	0,06	
 	<b>Stainless steel burner head D 55</b>	01106000VV	<b>33,40</b>	III	0,06	
 	<b>Stainless steel burner head D 65</b>	01136000VV	<b>39,20</b>	III	0,07	

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## Packed items




	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>5 m high-pressure hose with medium pressure</b> regulator 4 bar and hose failure valve	15070000VV	<b>147,00</b>	VI	1,40	
	<b>10 m high-pressure hose with medium pressure</b> regulator 4 bar and hose failure valve	15080000VV	<b>196,00</b>	VI	2,30	
	<b>3 m high-pressure hose</b> bilateral 3/8" left-hand	15250000VV	<b>60,90</b>	I	0,70	
	<b>Hose Press-Set 3/8"</b>	15259000VV	<b>15,60</b>	I	0,1	
	<b>5 m high-pressure hose</b> bilateral 3/8" left-hand	15260000VV	<b>79,70</b>	III	1,00	
	<b>10 m high-pressure hose</b> bilateral 3/8" left-hand	15270000VV	<b>126,00</b>	I	2,00	
	<b>3 m high-pressure hose</b> 4 x 4 mm bds. 3/8" lks.	15300000VV	<b>39,10</b>	I	0,50	
	<b>5 m high-pressure hose</b> 4 x 4 mm bds. 3/8" lks.	15310000VV	<b>53,40</b>	VI	0,83	

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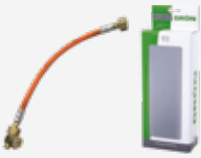







## Packed items

	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
	<b>10 m high-pressure hose</b> 4 x 4 mm bds. 3/8" lks.	15320000VV	<b>92,70</b>	VI	1,60	
	<b>Medium pressure regulator 1.5 bar</b> with hose failure valve	15410000VV	<b>68,70</b>	III	0,50	
	<b>Bottle connection sealing</b> for regulator	15410001VV	<b>15,90</b>	III	0,10	
	<b>Medium pressure regulator 4.0 bar</b> with hose failure valve	15420000VV	<b>68,70</b>	III	0,50	
	<b>Adjustable regulator 0,5 - 4 bar</b> with hose-failure-protection	15501000VV	<b>66,10</b>	III	0,50	
	<b>Double branch piece</b> for 2 consumers	15530000VV	<b>78,30</b>	III	0,30	
	<b>Hose screw-on connection bilateral</b> 3/8"	15540000VV	<b>14,50</b>	III	0,03	

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## Packed items




	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
	<b>Two-bottle connection</b> for simultaneous use of 2 propane gas bottles 33 kg	15560000VV	<b>100,00</b>	I	1,90	
	<b>Rotary quick coupling complete</b> and coupling pin for 3/8" propane hoses	17800000VV	<b>63,30</b>	VI	0,12	
	<b>Rotary quick coupling</b> for 3/8" propane hoses"	17800100VV	<b>43,60</b>	VI	0,04	
	<b>Coupling Pin</b> for 3/8" propane hoses"	17800200VV	<b>26,00</b>	VI	0,08	

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## Packed items



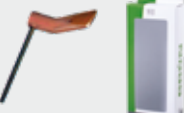











	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
	<b>Smallest bottle for propane</b> filling weight 0,425 kg	24800000VV	<b>121,00</b>	VI	3,10	
	<b>Refill adapter</b> for 3-, 5- and 11-kg-bottles	24810000VV	<b>34,80</b>	VI	0,20	
	<b>Soldering iron torch</b> complete with wind shield, without copper piece	25100000VV	<b>111,00</b>	VI	0,60	
	<b>Soldering iron torch</b> complete without wind shield, without copper piece	2510000WVV	<b>93,90</b>	VI	0,46	
	<b>Soldering iron torch</b>	25100100VV	<b>21,90</b>	VI	0,06	
	<b>Windshield</b>	25100200VV	<b>22,50</b>	VI	0,14	
	<b>Soldering iron support</b>	25100300VV	<b>26,70</b>	VI	0,06	

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## Packed items




	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
	<b>Copper piece hammer form 250 g bended</b> for soldering iron torch 25100000	25110000VV	<b>28,20</b>	VI	0,30	
	<b>Copper piece hammer form 350 g bended</b> for soldering iron torch 25100000	25120000VV	<b>35,00</b>	VI	0,40	
	<b>Copper piece hammer form 500 g bended</b> for soldering iron torch 25100000	25090000VV	<b>38,70</b>	VI	0,50	
	<b>Copper piece hammer form 350 g straight</b> for soldering iron torch 25100000	25130000VV	<b>35,00</b>	VI	0,40	
	<b>Copper piece pointed form 250 g</b> for soldering iron torch 25100000	25140000VV	<b>28,20</b>	VI	0,30	
	<b>Copper piece pointed form 350 g</b> for soldering iron torch 25100000	25080000VV	<b>35,20</b>	VI	0,40	
	<b>Soldering iron hammer form with special steel coating 325 g</b> for soldering iron torch 25100000	25030000VV	<b>182,00</b>	VI	0,34	

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## Packed items

	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
	<b>Special soldering handle</b>	25200000VV	<b>58,10</b>	VI	0,33	
	<b>1,5 m high-pressure hose</b> with connection for smallest bottle 0,425 kg	25850000VV	<b>35,50</b>	VI	0,90	
	<b>2,5 m high-pressure hose</b> 4x4 one side	25840000VV	<b>34,90</b>	VI	0,20	
	<b>2 m high-pressure hose</b> with adjustable low-pressure reducer, manometer and hose failure valve	25910000VV	<b>183,00</b>	VI	1,10	
	<b>Medium pressure regulator</b> for smallest bottle with hose failure valve, 3/8" left-hand	25950000VV	<b>63,30</b>	VI	0,30	
	<b>Rotary hose-connection point</b> 3/8", 45°	992010202VV	<b>20,80</b>	III	0,05	
	<b>Soldering-Set</b>	25640000VV	<b>427,00</b>	III	7,50	
	<b>Soft soldering set Prop 2</b> with transport case Consisting of: - soldering iron complete with wind shield - copper piece 350 g - smallest bottle for propane 0,425 kg - 5 m high-pressure hose - medium pressure regulator with hose failure valve - refill adapter	25770000VV	<b>342,00</b>	III	8,10	

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## Spray Equipment

	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
	<b>Hand wing pump</b> without spray hose and spray pipe	51210000	<b>2.060,00</b>	II	27,50	
	<b>10 m spray hose 1" /3/4"</b>	16110000	<b>269,00</b>	II	3,50	
	<b>5 m spray hose 1" /3/4"</b>	16120000	<b>177,00</b>	II	1,80	
	<b>Spray tube for hand wing pump</b>	16219000	<b>426,00</b>	II	0,91	
<b>Hand spray and motor driven spray devices</b>			<b>on request</b>			







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## Hot-Air-Burner, Lance-type

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Hot-Air-Burner, Lance-type</b> for preparation of cracks	08000000	<b>2.080,00</b>	VII	9,30	

















## Accessories for Hot-Air-Burner, Lance-type

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>10 m High-pressure hose</b> with rotary-type rapid action coupling	15750000	<b>165,00</b>	VI	2,40	
	<b>Adjustable regulator</b> with manometer and hose failure valve	15510000	<b>82,20</b>	VII	0,70	
	<b>10 m hose</b> for compressed air 1/2" bilateral with claw clutch	16100000	<b>132,00</b>	VII	3,80	

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## Boilers for Casting Compounds

	Description	Part- No.	Price/unit in €	Price- gr.	Wt. kg	Ship- ment
	<b>VK 50 HR</b> fixed with flame shield and stirrer excl. hose and regulator	837100000	<b>2.620,00</b>	III	51,00	
	<b>VK 50 HR</b> with flame shield, wheels for hand transportation and stirrer excl. hose and regulator	837110000	<b>3.030,00</b>	III	63,00	
	<b>VK 50 HR stationary</b> with flame shield, agitator and temperature regulator excl. hose and regulator	837100100	<b>3.070,00</b>	III	54,00	
	<b>VK 50 HR</b> with manual driving assembly, flame shield, agitator and temperature regulator excl. hose and regulator	837110100	<b>3.490,00</b>	III	66,00	
	<b>REKORD DIN 119 HR</b> with hand operated agitator excl. hose and regulator	02310000	<b>6.340,00</b>	III	100,00	
	<b>REKORD DIN 229 HR</b> with hand operated agitator excl. hose and regulator	02320000	<b>7.620,00</b>	III	142,00	
	<b>Oil bath boiler HR 90i</b> with hand operated agitator excl. hose and regulator	02420000	<b>10.040,00</b>	III	140,00	
	<b>Oil bath boiler HR 180i</b> with hand operated agitator excl. hose and regulator	02440000	<b>11.410,00</b>	III	197,00	

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## Accessories for Boilers for Casting Compounds

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>3 m high pressure hose</b> with safety regulator 1,5 bar	15010000	<b>120,00</b>	I	1,10	
	<b>5 m high pressure hose</b> with safety regulator 1,5 bar	15020000	<b>143,00</b>	I	1,40	
	<b>Screed box</b> 8 cm wide, content approx. 2,5 l	03240000	<b>284,00</b>	VII	8,80	
	<b>Bitumen bucket D = 30 cm</b> without spout, content approx. 20 l	50010000	<b>63,40</b>	II	3,00	
	<b>Bitumen bucket D = 30 cm</b> with spout, content approx. 20 l	50030000	<b>72,20</b>	II	3,00	
	<b>Bitumen pouring can</b> galvanized with large spout Ø 35 mm, content approx. 12 l	50110000	<b>133,00</b>	II	3,00	
	<b>Bitumen pouring can</b> galvanized with extra large spout Ø 40 mm, content approx. 12 l	50120000	<b>139,00</b>	II	3,00	
	<b>Sealing can</b> content approx. 3,5 l	50150000	<b>49,40</b>	II	0,90	

Delivery charges within Germany:



= 10,- €/parcel











= 25,- €/long parcel







= delivery by forwarding agent on request

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## Accessories for Boilers for Casting Compounds

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship-ment
	<b>Joint sealing applicator 10 l</b> with screed box 6 cm wide	03220000	<b>749,00</b>	VII	11,80	
	<b>Joint sealing applicator 10 l</b> with screed box 6 cm wide, heated	03210000	<b>1.030,00</b>	VII	12,50	
	<b>"Splitti" spreading unit</b> for gritting of the overlap sealing	837210000	<b>935,00</b>	VII	16,00	
	<b>Joint sealing applicator AVG 50</b>	837170000	<b>4.450,00</b>	VII	104,00	

## Accessories for AVG 50





	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship-ment
	<b>Joint sealing device</b>	837173000	<b>266,00</b>	VII	1,80	
	<b>Seam treating device</b>	837040000	<b>266,00</b>	VII	1,20	

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## Accessories for AVG 50

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Screed box 4 cm</b>	837050000	<b>336,00</b>	VII	1,50	
	<b>Screed box 8 cm</b>	837070000	<b>336,00</b>	VII	1,50	

## Motor-Agitator-Boiler

	Description	Part-No.	Price/unit in €	Price-gr.	Wt. kg	Ship- ment
	<b>Motor-Agitator-Boiler MR 229</b> directly heated with electric gear motor	02330000	<b>10.960,00</b>	III	200,00	
	<b>Motor-Agitator-Boiler MR 180 i Propane/oil bath</b> with electric gear motor	02450000	<b>16.580,00</b>	IV	250,00	
	<b>Larger agitator and casting compound boilers</b>	<b>on request</b>				

**Delivery charges within Germany:**  = 10,- €/parcel  = 25,- €/long parcel  = delivery by forwarding agent on request

For orders below € 100,-, a shipping and handling fee of € 15,-  
will be charged for parcel deliveries within Germany. Delivery to other countries on request.

# Terms and Conditions of Sale and Delivery

## § 1 Scope of application

The following Terms and Conditions apply to all deliveries and services including future sales and form part of the Contractual Agreement. Contrary General Terms and Conditions of the customer shall not become part of the Contractual Agreement even where no express objection is made and even in circumstances where a service is provided. Any divergence from the present General Terms and Conditions and any other side agreements shall not be valid unless expressly agreed in writing by us. Said requirement for agreement shall apply in every case and shall in particular apply in circumstances where we act unconditionally in executing a delivery or service to a customer in full knowledge of the General Terms and Conditions of such a customer. Only Managing Directors and Authorised Signatories of our company who are entered in the Trade Registry are entitled to agree Terms and Conditions of Delivery and Service which are divergent from the present General Terms and Conditions. The present General Terms and Conditions shall apply until such time as new General Terms and Conditions are published.

## § 2 Offer

Offers made by our company are without engagement and non-binding at all times and subject to delivery to ourselves. This shall also apply in circumstances where prior to the conclusion of the contract we have provided the customer with catalogues, product descriptions or technical documentation (such as user manuals, computations, calculations) in which we reserve rights of ownership and copyright. Design or technical aspects of products may deviate from descriptions or figures shown. The customer may not derive any rights against us from such deviations. Verbal commitments made by employees and representatives shall only be binding for us if expressly confirmed in writing. Insofar as an order may be viewed as an offer pursuant to § 145 German Civil Code (BGB), we may accept such an order within four weeks. Acceptance may be declared either in writing or via the delivery of products or provision of other services to the customer. Notwithstanding confirmation of an order, we shall be entitled to refuse a customer or not execute an order in the event that justified doubts exist as to the correctness of information provided by such a customer or in the event that other reasons, such as impending insolvency or lack of creditworthiness, militate against the execution of the order.

## § 3 Delivery, dispatch, transfer of risk

Delivery deadlines shall only be deemed to have been agreed to be binding if we make an express commitment in writing that such deadlines are binding. Insofar as binding delivery deadlines have been agreed, we shall not be in default without a written reminder from the customer. All delivery deadlines shall be subject to correct and timely delivery to ourselves. Partial deliveries are permitted. Compliance with deadlines for deliveries and services requires all documentation to be supplied by the customer, all approvals and authorisations required, in particular for plans, to be made available in a timely manner and further requires customers to perform all acts of co-involvement incumbent on them and for the agreed payment terms to be observed. Deadlines will be extended accordingly in the event that the above requirements are not met. This shall not apply if we ourselves are responsible for the delay.

Deadlines will be extended accordingly in the event that non-compliance with delivery deadlines is due to Acts of God such as war, riots or similar occurrences, strikes, lock-outs, non-timely delivery to ourselves by a supplier or similar. In the event that we are in default of delivery, customers may require compensation in the amount of 0.5 percent of the price for the part of the delivery which could not be put into proper operation owing to the delay for each

complete week of default. Notwithstanding this, the total amount of compensation payable shall not exceed 5 percent of the price.

Compensation claims asserted by the customer because of delay to delivery and services not rendered which extend beyond the aforementioned limit shall be excluded in all cases of delayed delivery including following the expiry of any delivery deadline which we may have been set. The above shall not apply in circumstances where we are compulsorily liable due to intent, gross negligence or damage to life, limb or health. The present provision does not imply a change in the burden of proof to the detriment of the customer. Within the scope of statutory provisions, the customer may only withdraw from the contract insofar as we are responsible for the delay in delivery.

On request, customers shall be required to declare within a reasonable deadline whether they intend to withdraw from the contract due to delay in delivery or whether they insist on delivery.

Insofar as delivery is impossible, customers shall be entitled to require compensation unless the reason why delivery is impossible is not our responsibility. Notwithstanding this, such a compensation claim of the customer shall be limited to a maximum of 25 percent of the net order value of the part of the delivery which cannot be used in a timely manner or in accordance with the contract due to impossibility of delivery. This is without prejudice to the right of the customer to withdraw from the contract. Our liability in the case of negligent breach of a material contractual duty shall be restricted to foreseeable damages typical to the sort of contract.

Delivery of products takes place directly to the customer. Risk shall be transferred to the customer when the object of delivery has left our works. The same shall apply in circumstances where partial deliveries take place or where we provide further services. Products will be delivered to a different destination at the request of the customer. Insofar as it has not been agreed that products will be collected by customers themselves or by third parties and the customer has not provided any particular instruction, we shall be entitled to determine the type of dispatch (in particular forwarding company, dispatch route, packaging) ourselves.

Risk of accidental destruction of and of accidental impairment to the goods shall pass to the customer when goods are transferred. Transfer shall have been deemed to have taken place if the customer is in default of acceptance. When goods are dispatched, risk of accidental destruction of and/or of accidental impairment shall be transferred once goods are handed over to the forwarding agent, carrier or other person or institute determined for the execution of dispatch.

## § 4 Remuneration, payment conditions

Insofar as fixed prices have not expressly been agreed, the amount of the price for the respective delivery or service shall be the company price list valid at the respective time of confirmation of order. Prices are stated net ex warehouse not including deductions and statutory Value Added Tax. Costs of delivery, packaging and any express surcharges are charged separately.

The price for the installation of accessories is charged separately insofar as nothing to the contrary has been agreed. In such a case, the general list prices and transfer pricing rates at the planned time of installation shall apply.

Cost estimates for repairs are prepared to the best of our knowledge and do not constitute a fixed price agreement. There is no requirement for an object inspected within the scope of a cost estimate to be returned to its original condition if this is not technically and economically feasible.

## Terms and Conditions of Sale and Delivery

In the event that a repair order is placed which does not include a clear indication of fault and cost limitation, we may complete any repairs which we deem to be necessary whilst according due consideration to the market value, operational safety and functionality of the object of repair. In the event that a customer has provided an indication of the fault and further defects are ascertained during the repair, we may remedy such further defects without a specific order if this is necessary for the maintenance of operational safety and if the expense of so doing is proportionate to the costs of the original order.

Customers will be invoiced for costs incurred if the fault forming the object of complaint is not ascertained during inspection, if a replacement part required can no longer be procured or if the order is withdrawn whilst in the process of being executed. The same shall apply if the customer fails to attend an appointment for repair works.

We expressly reserve the right to refuse cheques or bills of exchange. Such means of payment will only be accepted subject to clearance. Discounting and exchange costs are charged to the customer and shall fall due immediately.

Invoices shall fall due for payment without deduction within 14 days of dispatch of invoice from our company insofar as nothing to the contrary has been agreed in the order confirmation and/or on the invoice. Upon expiry of said deadline, the customer shall be in default without any requirement for a separate warning. In the event that a customer is in default of payment, penalty interest will be charged at an annual rate of 5 percentage points above the respective base rate for private consumers and 8 percentage points above the respective base rate for commercial enterprises pursuant to § 247 German Civil Code (BGB). We reserve the right to demonstrate that interest costs incurred are higher.

Amendments to the prices stated in the contract are permissible if at least 4 months elapse between conclusion of the contract and agreed delivery date and if there have been changes to the standard wages as governed by the collective wage agreement which applies in our case or changes to the services to be provided. In such a case, we may adjust the price in accordance with the change. The same shall apply shall apply mutatis mutandis to an amendment to statutory Value Added Tax and in the event that there is a delay in delivery or service due to the fact that customers fail to fulfil their duty with regard to arranging for timely acceptance or installation in respect of said delivery and service. The customer shall be furnished with evidence of reductions or increases in cost on request.

The customer shall only have the right to set off claims in circumstances where counterclaims are established in law or have been recognised by us in writing. In addition, customers may only exercise a right of retention if the claim on which the retention of a payment rests is based on the same contractual relationship and has either been established in law or has been recognised by us.

In the event that the customer is in material default of payment, we shall have the right to cease temporarily or to retain further services to which we have committed under the same contractual relationship and to make all outstanding amounts arising from said same contractual relationship due for immediate payment.

In such a case, any dates or deadlines which may have been agreed for the execution of further deliveries and services shall for our part be deemed to have lapsed without any requirement for particular notification of this circumstance.

### § 5 Retention of title and rights

We reserve ownership of objects delivered and right of exploitation in respect of software included until such time as all claims arisen or arising from the business relationship have been paid in full. The same shall apply in circumstances where individual or all claims have been included by us in a current invoice and the balance of such an invoice has been determined and recognised. The customer is required to keep the goods subject to reservation of title with due diligence on our behalf and to insure them sufficiently, at his own expense, against fire, water, theft or other risks of damage.

The customer shall assign to us relevant claims arising from such insurance contracts at the time when said contracts are concluded. We accept such an assignment.

The customer shall be entitled to resell goods subject to retention of title in the normal course of business. Notwithstanding this, the customer shall assign to us with present effect any claims resulting from such a resale or from relicensing of the software. We accept such an assignment. The customer shall have a revocable right to collect such a claim. The customer shall at our request disclose claims ceded and the relevant debtors. We shall be entitled to disclose the assignment to a debtor of the customer.

Notwithstanding this, we commit not to collect the claim as long as the customer meets payment obligations, as long as the customer does not enter into default of payment and in particular as long as no insolvency proceedings have been instigated against the customer's assets and as long as the customer has not ceased payments. In the event of conduct in a manner contrary to the contract by the customer or in the event of expected cessation of payment, we shall be entitled to take back goods subject to retention of title at the expense of the customer or to require the assignment of any claims the customer may have against third parties with regard to the right to recover possession. Said rights shall also apply in circumstances where secured claims have lapsed. We shall be entitled to dispose of the goods subject to retention of title if necessary and set off any outstanding claims against the proceeds of such a sale.

In the case of simple repossession in accordance with the provision set out above, we shall be entitled to collect any goods subject to retention of title which are still in the customer's possession at the customer's expense. The customer shall grant employees from our company who have been authorised to collect goods subject to retention of title access to the customer's premises during normal office hours and without any requirement for pre-notification.

The exercising of rights arising from retention of title or repossession of goods shall not constitute withdrawal from the contract. Any manufacturing or processing of goods subject to retention of title is undertaken by the customer on our behalf and shall involve no commitment on our part. In the case of processing, combining, mixing or comingling of goods subject to retention of title with other goods which do not belong to us, we shall acquire a co-ownership right in a new product thus created in the ratio of the value of the goods subject to reserved ownership compared with the other materials processed at the time when such processing, combining, mixing or comingling took place. In the event that the customer acquires sole ownership of the product created, both we and the customer shall agree that the customer accords us a co-ownership right in the new product in the ratio of the processed, combined, mixed or comingled goods subject to retention of title and shall keep such co-ownership in safe custody on our behalf.

In the event that liability for a bill of exchange is established on our part in connection with the payment of the purchase price, co-ownership and the claim underlying such co-ownership shall

## Terms and Conditions of Sale and Delivery

not lapse until such time as the bill of exchange is redeemed by the customer as drawee.

We shall commit to release existing collateral at the request of the customer to the extent that the realisable value of such collateral exceeds the claim secured by more than 20 percent. We shall be entitled to select collateral to be released.

### § 6 Liability for material and legal defects

The customer shall be required to act without delay in inspecting deliveries and services for completeness and obvious defects, in particular for obvious incorrect quantities and damage, and to notify us of such circumstances immediately in writing and within one week of receipt of the delivery or service. In the case of non-obvious (hidden) defects, the customer is required to make a complaint to us in writing without delay upon the defect's discovery and by the end of the limitation period at the latest. Timely dispatch of notice of complaint shall be deemed sufficient for compliance with the deadline. In the event that the customer fails to submit complaints as stipulated above, liability shall be excluded in respect of a defect which has not formed an object of complaint. Burden of proof in respect of compliance with the duty to make complaint, the timely compliance with said duty, the existence of defects and the time at which a defect is ascertained rests with the customer.

All customer claims – whatever the legal basis of such claims – shall lapse 12 months after the commencement of the statutory guarantee period. Said deadline shall not apply insofar as the law prescribes longer periods pursuant to German Civil Code (BGB) § 438 Paragraph 1 Clause 2 (buildings and elements of buildings), § 479 Paragraph 1 (recourse claims) and § 634 a Paragraph 1 Clause 2 (construction defects).

We shall be entitled to choose whether to remedy defects or else supply goods not containing defects. We shall further be entitled to carry out such amendments to the product as are necessitated by defects without additional costs for the customer insofar as the service forming the object of the contract is not subjected to anything more than non-material change. In the event of a failure to render the supplementary performance, the customer reserves the right to reduce the price or, if he chooses, to withdraw from the agreement.

The customer shall support us in the remedying of defects and shall in particular provide us with all information and documentation necessary for remedying the defect. In the event of a justified complaint regarding a defect which is our fault, we shall be entitled to choose a replacement delivery or subsequent performance within an appropriate deadline, usually three weeks. If replacement delivery or subsequent performance fails, the customer may choose reduction of remuneration or rescission of the contract.

In all cases of justified complaints regarding defects, we shall have the right to make several attempts to provide subsequent performance before the customer is permitted to require reduction of remuneration or rescission of the contract. Warranty claims in particular do not apply if a defect is caused by unsuitable or improper use, incorrect installation or commissioning on the part of the customer, usual wear and tear, incorrect or negligent treatment, care, maintenance or operation, the use of inappropriate materials or inappropriate accessories, alterations or repair works undertaken by the customer or a third party, damage caused by overload, defective construction works, inappropriate foundations, damage caused by an Act of God (such as a lightning strike) or chemical, electro-chemical or electrical influences insofar as such defects are not attributable to the supplier.

Claims for defects shall not arise in the event of immaterial devi-

ation from the agreed nature of the goods, immaterial impairment of usability, natural wear and tear or defects arising as a result of improper or negligent treatment after transfer of risk, excessive use, the use of inappropriate materials or defects arising as the result of particular external influences not forming an object of provision pursuant to the contract.

Should it emerge that services requested by the customer and provided by us were not necessary as a result of breach of contractual duty by our company, the customer shall remunerate us for such services and shall bear any costs incurred. Such a charge shall be based on our hourly rates and travel expense rates as amended.

Claims of the customer in respect of necessary expenses for the purpose of subsequent performance, in particular transport, forwarding, work and material costs, shall be excluded insofar as such expenses increase because the goods forming the object of delivery are dispatched to a destination other than the delivery address agreed at the time of conclusion of contract.

In addition, we refer to the usual maintenance intervals that are required for the delivered goods. Defects and/or damage resulting from failure to carry out the necessary maintenance work do not constitute material or legal defects. Warranty and/or compensation claims are excluded.

### § 7 Liability

We shall be liable to an unlimited extent in the event of intent and gross negligence on the part of our legal representatives and vicarious agents as well as for damages to life, limb and health caused by a breach of contractual duty which is the fault of us or of our legal representatives or vicarious agents.

The same shall apply in respect of application of the provisions of the German Product Liability Act. Notwithstanding this, our liability shall be limited to compensation for foreseeable and typically occurring damages. Our liability shall also be limited to compensation for foreseeable and typically occurring damages in cases of gross negligence provided one of the exceptional cases stated above does not apply. The provisions stated do not imply a change in the burden of proof to the detriment of the customer. In the event of a breach of obligation not caused by a defect and if further statutory prerequisites apply, the customer may only withdraw from the contract if the breach of obligation is our responsibility. Withdrawal from the contract is excluded if such a breach of obligation is not material. In the case of other culpable breaches of material contractual duties our liability shall be limited to the sum covered under our company liability insurance.

We shall not be liable for damages insofar as the customer might reasonably have been expected to undertake measures to prevent such damages.

The above liability provisions also apply to our employees and other vicarious agents.

### § 8 Compensation in the case of refusal of acceptance

In the event that the customer is in default of collection/acceptance of a service ordered and if we have set the customer an appropriate deadline in writing for the collection/acceptance of our service, we may, once such a deadline has expired, require compensation for non-fulfilment rather than fulfilment of the contract. In such a case, we may require a flat-rate payment of 20 percent of the agreed price as compensation without provision of evidence insofar as it cannot be demonstrated that the damages incurred are materially lower. This shall be without prejudice to the right to assert a claim for highly damages which have actually occurred.

# Terms and Conditions of Sale and Delivery

The present provisions regarding flat-rate calculation of damages shall also apply if an insolvency administrator avails himself of the right not to fulfil the contract in the event of insolvency of the customer.

## § 9 Breach of copyright and of industrial property rights of third parties

In the event that the object of delivery breaches the industrial property rights of third parties and copyright in particular or in the event that third parties are entitled to require the customer to desist from further use of the object of delivery, we shall commit to taking back the delivery and to providing appropriate subsequent performance. The right of the customer to assert further claims for non-fulfilment are excluded.

Insofar as software is included within the scope of delivery, the customer shall be accorded a non-exclusive right to use the software thus supplied for the agreed purpose as well as being accorded the agreed scope of services in respect of the object of delivery determined for the purpose. All other rights in the software shall remain with us. The customer shall not in particular receive the right to reproduce or alter the software or to make the software available to an unauthorised third party unless our express permission has been given. The customer shall commit to notifying us without delay of instances where the industrial property rights of third parties are affected with regard to the software delivered and to bear the costs of legal defence to be undertaken by us. In the event of assertions made regarding the industrial property rights of third parties, we shall be entitled to act at our own expense in undertaking necessary alterations to software even in cases where goods have been delivered and paid for.

In every case where hardware is sold on, only the rights stated above shall be transferred to the new owner. All other rights in the programmes shall be retained exclusively by us.

## § 10 Ownership of and copyright in documentation

We shall retain ownership of and copyright in technical documentation, diagrams and drawings which we make available to the customer. The customer is not permitted to make such documentation accessible to unauthorised third parties. In the event that the customer is in breach of this duty or commits any other misuse, we shall be entitled to require return of the documentation.

## § 11 Secrecy, confidentiality

The customer agrees that data we receive within the scope of the business relationship may be stored and processed via an IT system.

Data will be treated strictly confidentially and statutory stipulations will be complied with. Insofar as the contractual parties exchange confidential information of a commercial or technical nature or one party becomes aware of information from the sphere of the other party which is usually viewed as a business secret, e.g. customer data, they shall commit to treat such information strictly confidentially and not to make the information available to third parties nor use the information for any purpose other than for the execution of the contract.

Information which is demonstrably in the public domain, information which enters the public domain without any action on the part of one of the contractual parties, information which becomes known to one of the contractual parties from another source which has no duty of confidentiality towards the other contractual party and information which must be disclosed by one of the contractual parties on the basis of compulsory statutory stipulations (in

particular to courts, law enforcement agencies and government authorities) shall be exceptions to the mutual duty to maintain confidentiality.

Each of the contractual parties shall commit to returning all confidential information physically transmitted by the respective other contractual party to said other contractual party at any time following a relevant request or, by the choice of the other party, to destroy such information without retaining copies or records. Records, summaries and evaluations made by a contractual party and containing confidential information shall be destroyed without delay at the request of the other contractual party to delete electronically transmitted and/or stored confidential information. Written confirmation shall be provided to the other contractual party on request that destruction/deletion has been carried out.

Notwithstanding this, the above regulations do not apply to copies which need to be kept in a confidential file by one of the contractual parties for the purpose of evidence.

The term of the present duty of confidentiality exceeds the term of purchase, work and service agreements by five years.

## § 12 Miscellaneous provisions

We shall be entitled to avail ourselves of the assistance of third parties for the purpose of fulfilling our contractual obligations. This shall be without prejudice to our responsibility pursuant to the present agreement.

In the case of delivery agreements on a requisition basis, the supplier shall, insofar as nothing to the contrary has been agreed, be notified of binding quantities at least one month prior to the delivery date via requisition. Additional costs caused by delayed requisition or by subsequent amendments to the requisition regarding schedule or quality made by the orderer shall be borne by the orderer.

No side agreements have been made.

In the event that one of the provisions contained within the present agreement should be or should become invalid, this shall be without prejudice to the validity of other provisions herein contained. Such an invalid provision shall be replaced with a valid provision that as closely as possible reflects the economic purpose of said invalid provision. Statutory provisions shall otherwise apply.

Place of jurisdiction shall be Siegen insofar as the customer is a Registered Trader under German Law within the meaning of German Commercial Code (HGB), a legal entity under German public law or a special fund under German public law. The same shall apply in the event that the customer does not have a general place of jurisdiction in the Federal Republic of Germany. Notwithstanding this, we shall also be entitled to assert a legal claim at the location of the Registered Office of the customer.

The present agreement is governed by the law of the Federal Republic of Germany. Conflict-of-law provisions under international civil law shall not apply. The UN Convention on Contracts for the International Sale of Goods (CISG) shall be excluded.

No amendments or supplements to the present General Terms and Conditions shall be valid unless made in writing.

Electronic documents such as e-mails without a qualified electronic signature do not constitute the written form within the meaning of the German Signatures Act. Invoices transmitted to us electronically and not containing a qualified electronic signature of this kind will not be accepted.



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