



Cabinetmaker's Tools

160 YEARS



The Tool Catalog

E.C.Emmerich

Respect for tradition.
Forward thinking.
History of our company.

The Story Of The Emmerich Company Began 160 Years Ago When Lincoln Practiced Law

The master-craftsman, Friedrich-Wilhelm Emmerich, founded E.C.E. in Remscheid, Germany in 1852.

In that era, cabinetmakers usually made their own tools. The founder made such fine planes for himself, that his colleagues offered to buy his tools for their personal use. The plane making business started and grew. Soon, the founder and his son, Max Emmerich, had to leave their small workroom and build a plant to make planes.

In the third generation, the two sons, Karl and Friedrich-Wilhelm increased the company steadily. In 1930, third generation Emmerich, Friedrich-Wilhelm, founded a branch in England and headed it.

During World War II the branch in England became self-supporting. However, factory buildings in Remscheid burned down completely. After the war, the other third generation son in Remscheid, Karl Emmerich, rebuilt his plant and re-opened it for business. After 1950, his fourth generation son, Friedrich-Wilhelm, supported Karl. In 1971 Karl Emmerich died.

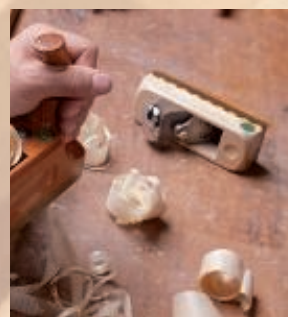
After completing his education, Hans-Jörg Emmerich joined the company as the fifth generation and present owner of E. C. Emmerich toolmakers.

All owners were, and remain today, technicians who maintain the machinery in good mechanical condition. Most of the machines in the factory were specially designed and built by the Emmerichs. Today, the E.C.E. brand is well known worldwide by cabinetmakers for high quality planes and for other fine, hand woodworking tools.

Around 1950, Friedrich-Wilhelm, with his father Karl, developed the Primus adjustment system with no freewheeling of the screw and no back sliding of the iron. It remains unique in that regard. The adjustable Expert jack plane and the Pocket plane followed.

Setting the wedge too hard can no longer damage traditional wedged planes. The E.C.E. integral wedge support prevents such damage to the plane body.

Carefully trained employees are today's basis for producing E.C.E.'s high-end tools.



INDEX

A

Augur Bits	37
Awls	33

B

Back Saws	28
Bench Dogs	41
Bench support	42
Block Plane	7
Block Plane, metal (low angle)	14
Bow Saws	29
Brace	37
Bullnose Plane	14

C

Cam Clamp	38
Carpenter's Mallets	26
Carver's Mallets	26
Center Punches	34
Chisels	24/25
Chisels, heavy duty	25
Clamps	38
Clamps, Iron	38
Compass Plane	14
Cornering Tool	13
Countersinks	35
Curve Saw	29

D

Divider	33
Dovetail Plane	11
Dovetail Saw	28
Dozuki Saws	30/31
Drift pins	34

E

Edge Trimmer	13
Electrician's Side Cutter	35
EXPERT Jack Plane	7

F

Fast Cutting Frame Saw	29
Files	36
Fine Cutting Back Saw	28
Firmer Chisels	24/25
Folding Rule	34
Frame Saws	29

G

German Coach Door Plane	13
German Gent's Plane	13
Glazier's Rabbet Plane	10
Gripper for Spring Clamps	38

H

Hack Saw	28
Hammers	26
Hand Saws	28-31
Hatchet (Cantling)	34
Hobby Plane EXPERT	7
Honing Stones	33

I

Improved Smoothing Plane	11
Improved Smoothing Plane, PRIMUS	5
Inletting Plane	12

J

Jack Plane English Pattern, PRIMUS	6
Jack Plane EXPERT	7
Jack Planes with special soles	9
Jack Planes, PRIMUS	6
Jack Planes, single iron, with special soles	9
Japanese Handsaws	30/31

K

Kariwaku	31
Kataba Super Hard	31
Keyhole Saw	28

M

Mallets	26
Marking Gauges	22
Metal Planes	14
Miter Boxes	22
Miter Squares (beech handle)	20
Miter Squares (Hornbeam)	21
Miter Squares (Rosewood handle)	19
Mortise Chisels	25
Moving Fillister Plane	11

P

Panel Saw	28
Pincers	35
Plane irons	16/17
Plane irons (replaceable cutters)	16
Pliers, adjustable	35
Plow Plane	12
PraXsys Tool Box	49
Precision Miter Squares	19
Precision Sliding Bevels	19
Precision Try Squares	19
PRIMUS-Planes	5/6

R

Rabbet Planes, PRIMUS	6
Rabbet Planes, double iron	10
Rabbet Planes, single iron	10
Rasps	36
Router Plane	11
Ruler	34
Ryoba Komane Saw	31

S

Sanding Cork	33
Saw Blades	29-31
Saw Pincer (For Setting Teeth)	35
Saws	28-31
Scraper Burnisher	33
Scraper Plane	14
Scrapers, cabinet	33
Screw drivers, Phillips Head	35
Screw drivers, slotted	34
Scribe, straight	34
Scrub Plane, Hornbeam sole	12
Set-off saw	29
Sinks	35
Sliding Bevels (beech handle)	20
Sliding Bevels (Hornbeam)	21
Sliding Bevels (Rosewood handle)	19
Smoothing Plane (HSS-Plane iron)	9
Smoothing Planes, PRIMUS	5
Smoothing Planes, with special soles	5
Smoothing Plane, PRIMUS (HSS-Plane iron)	6

Special Marking Square	19
Spokeshaves	14
Spring Clamps	38
Spring Clamps, full set	38
Spur Bits	37
Stop Rabbet Plane	10
Straight Gouge Chisels	25

T

Tee Rabbet Plane	12
Tension Saws	29
Three Corner Files	36
Tool Box, PraXsys	49
Tool Cabinet, 36-pieces	45
Tool Cabinets, 43-pieces	46
Tool Cabinet, 54-pieces	47
Tool Chest	50
Tool Drawers	43
Tool Set "Measuring and Marking"	21
Toothing Plane	13
Top-tainer	49
Trenching (Stair) Saw	28
Try Planes, PRIMUS	6
Try Planes, with special soles	10
Try Squares (beech handle)	20
Try Squares (Hornbeam)	21
Try Squares (Rosewood handle)	19
Two-way Saws	29

V

Veneer Saw	28
Veneer Cutter	13
Vise Handle	41

W

Warrington Pattern Hammers	26
Workbench Stops and dogs	41
Workbench, double sided	41
Workbenches	40/41
Workbenches, General Purpose	44

Please find catalog prices in our current price list.

Prices and product information in this catalog supersede our previous publications.

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CHIPS EMITTED TESTIFY TO THEIR NOBLE ORIGIN



Woodworking Enjoyment
Through Fine Tools

Price section 1: Workbenches & Accessories, Under Bench Tool Drawers, Bench Support, Bench Lift

Price section 2: Tools, Tool Sets, Cabinets

Adjustment Screw



PRIMUS-Planes with anti-backlash, precision adjustment of cutting iron

PRIMUS-Planes are adjustable without a mallet
 Small turn clockwise = thicker chip
 Small turn counter clockwise = thinner chip



PRIMUS Improved Smooth Plane

with lignum vitae sole,

- Adjustable mouth minimizes tear outs
- Shavings flow freely because there is no wedge
- Lignum vitae sole is self-lubricating and wear resistant
- Plane body is select quarter sawn fruit wood

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
711	225	50°	48	1,30	...071105	1	12.48, 12.48 K



PRIMUS-Smooth Plane

704 with hornbeam sole

704 P with lignum vitae sole

704 ER with steel sole & HSS plane iron

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
704	220	50°	48	1,20	...070405	1	12.48, 12.48 K
704 P	220	50°	48	1,35	...070498	1	12.48, 12.48 K
704 ER	220	50°	48	1,40	...070474	1	12 R, 12 RK

All Smooth and Jack Planes are available with ergonomic design for left-handed craftsmen. Please add "L" to the article number.



PRIMUS-Jack Plane

703 with hornbeam sole
703 P with lignum vitae sole

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
703	240	45°	48	1,20	...070306	1	12.48, 12.48 K
703 P	240	45°	48	1,40	...070399	1	12.48, 12.48 K



PRIMUS-Rabbet Plane

710 with hornbeam sole
710 P with lignum vitae sole

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
710	280	50°	30	0,90	...071006	1	2709, 2709 K
710 P	280	50°	30	1,00	...071099	1	2709, 2709 K



PRIMUS-Try Plane

PRIMUS-Try Plane (shorter version)

701 with hornbeam sole
701 P with lignum vitae sole
701 B PRIMUS-Try Plane (shorter version) with hornbeam sole

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
701	600	45°	60	3,50	...070108	1	12.60, 12.60 K
701 P	600	45°	60	3,80	...070115	1	12.60, 12.60 K
701 B	550	45°	48	2,70	...070122	1	12.48, 12.48 K



PRIMUS-Jack Plane (English Pattern)

with lignum vitae sole

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
741 P	395	50°	48	2,20	...074106	1	12.48, 12.48 K

PRIMUS-Planes with iron width of 48 mm are also available with an iron that features **replaceable blade tips**. Please add a "W" to the article number. Please see additional cost in our current price-list.

More adjustable Planes



Adjustable Block Plane

with lignum vitae sole

The 649 P "Pocket Plane" has our exclusive adjustable depth control to set the iron for precision cuts. This handsome, lightweight smoothing plane is easy to tote in a pocket for small planing jobs. It also does well at trimming end grain.

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
649 P	150	50°	39	0,50	...064992	1	1649



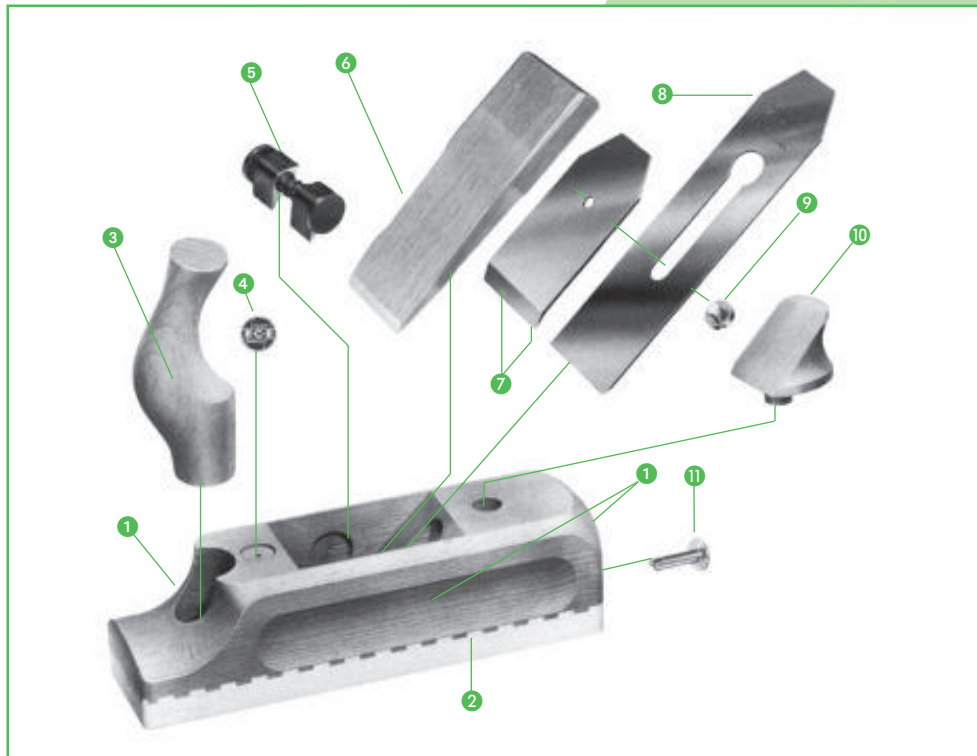
Expert Plane

with hornbeam sole

Priced between PRIMUS and wedged planes, this Jack Plane has all the advantages and ease of working of a quality wood plane at an economical price. It's the workhorse in the workshop.

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
605	240	45°	48	1,15	...060505	1	1605

Details of our wooden plane exhibiting our high standard.



① Plane body

Specially selected wood shaped ergonomically

② Sole

Castellated glue joint of sole to body insures no twist, no warp. Made from hornbeam or self-lubricating, tough lignum vitae.

③ Front handle

Ergonomically shaped. Mortised into body.

④ E.C.E.-Logo

Ensures highest quality planes.

⑤ Wedge Support

Integral wedge support ensures: chatter-free cutting; the direct result of a steel fulcrum that does not pierce the plane body and weaken it.

⑥ Wedge

Can be loosened by hand.

⑦ Cap iron

Ground on front of backside. Ready for use. Shavings cannot squeeze between cap and plane iron.

⑧ Plane iron

Expertly surface ground for easy honing. Hardened and tempered. Ready to use.

⑨ Plane iron screw

⑩ Rear guard

Ergonomically shaped and mortised in.

⑪ Metal strike knob

Fixed securely with useful diameter.

The integral wedge support

Developed by E.C.E. and fitted into our bench planes – it's unique!

The integral wedge support is a better solution when it comes to use:

- Shavings can flow freely
- Wedge can be loosened by hand
- Cutting iron is exceptionally stable

Chatter-free cutting iron results from the rigid, hardened steel fulcrum that does not pierce the plane body to weaken it.



Jack Plane (Double Iron)

103 S with hornbeam sole

103 SP with lignum vitae sole

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 16)
103 S.48	240	45°	48	1,20	...010302	1	1602, 1612
103 S.45	240	45°	45	1,10	...010357	1	
103 SP	240	45°	48	1,30	...010395	1	



Smoothing Plane (Double Iron)

104 S with hornbeam sole

104 SP with lignum vitae sole

104 ER with steel sole & HSS plane iron

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 16)
104 S.48	220	50°	48	1,10	...010401	1	1602, 1612
104 S.45	220	50°	45	1,00	...010456	1	
104 SP	220	50°	48	1,20	...010494	1	
104 ER	220	50°	48	1,30	...010449	1	1602 R, 1612 R



Jack Plane (Single Iron)

105 S with hornbeam sole

105 SP with lignum vitae sole

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 16)
105 S.48	240	45°	48	1,00	...010500	1	1602
105 S.45	240	45°	45	0,90	...010517	1	
105 SP	240	45°	48	1,10	...010593	1	

Planes with iron width of 48 mm are also available with an iron that features **replaceable blade tips**. Please add a "W" to the article number. Please see additional cost in our current price-list.

All Smooth and Jack Planes are available with ergonomic design for left-handed craftsmen. Please add "L" to the article number.



Try Plane

Try Plane (shorter version)

101 S with hornbeam sole

101 SP with lignum vitae sole

101 SB Try Plane (shorter version) with hornbeam sole

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 16)
101 S	600	45°	60	3,20	...010104	1	1602, 1612
101 SP	600	45°	60	3,60	...010197	1	
101 SB	550	45°	48	2,70	...010111	1	

Planes with iron width of 48 mm are also available with an iron that features **replaceable blade tips**. Please add a "W" to the article number. Please see additional cost in our current price-list.

Rabbet Planes



Rabbet Plane (Double Iron)

10 S from hornbeam

10 SP with lignum vitae sole

10 G Glazier's Dooble Rabbet Plane

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 16)
10 S.30	270	50°	30	0,80	...001003	1	1609, 1609a
10 SP	270	50°	30	0,85	...001096	1	
10 G	320	50°	30	0,90	...000020	1	1609.30, 1609.30a



Rabbet Plane (Single Iron)

9 S from hornbeam

9 SP with lignum vitae sole

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 16)
9 S.30	240	45°	30	0,60	...000907	1	1608
9 S.18	240	45°	18	0,30	...000914	1	
9 SP	240	45°	30	0,55	...000938	1	



Stop Rabbet Plane

from hornbeam

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 16)
58 S	180	45°	30	0,50	...005803	1	1608.30



Improved Smooth Plane

plane body from fruit wood with lignum vitae sole
Adjustable mouth, cast iron wedge.

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
111 S	220	50°	48	1,30	...011101	1	1726, 1727

PRIMUS Improved Smooth Plane

with anti-backlash adjustment
No. 711
More information on page 5



Dovetail or Skewed Moving Fillister Plane

with hornbeam sole

Plane has adjustable fence and knife spur to slice cross grain fibers. Spur is in line with and in front of the blade. Especially suited for moulding sloped surfaces, panel raising, and trimming male sliding dovetails.

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
23 S	240	45°	0-33	1,00	...002307	1	1604



New knife spur for Dovetail and Moving Fillister Planes

- No sharpening necessary – just turn and use the next point
- When all four cutting edge become dull, just replace with a new spur
- Hardened steel cutting edge are more durable
- Cutter depth adjustment is simpler



Moving Fillister Plane

with hornbeam sole

Plane has adjustable fence, depth stop and knife spur similar to model 23 S.
Use for rabbeting with or against grain.

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
48 S	240	45°	0-33	1,20	...004806	1	1603



Router Plane

with 3 blades

Beech wood router offering a sure grip for heavy duty routing. Large sole lets you point the cutting edge in any direction. Heavy gauge blade is held securely in steel collar for chatter-free cutting.

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
20 S	240	25°	10, 15, 20	1,10	...002000	1	1714



Scrub Plane

with hornbeam sole

A simple convex iron is fixed with a wedge. Use this classic plane to remove excess wood rapidly. Cut with or diagonally to the grain.

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
106 S	240	45°	33	0,80	...010609	1	1606



Plow Plane

Versatile Plane quickly cuts grooves with the grain in either the edge or face of boards for drawer bottoms, door panels, and other casework.

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
30 S.06	240	45°	4, 5, 7, 9, 12, 14	2,00	...003069	1	1738-3, 1738-6
30 S.03	240	45°	5, 7, 9	1,80	...003038	1	



Inletting Plane

with hornbeam sole

Use this routing plane for hinges, locks, and other shallow mortising cuts with the grain. Cutter is bedded in a groove to assure that it stays square with the sole.

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
294.16	240	45°	16	0,60	...029410	1	1694



Tee Rabbet Plane

from hornbeam

This handy tool enlarges grooves with a T-shaped blade that permits plane to work on grooves that are 5/16 inch or wider. The steel sole extends on both sides so it can trim the side of a groove from either the left or right.

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
55 S	240	45°	48	0,60	...005513	1	1655



Toothing Plane

with hornbeam sole

Use after jack or try to prepare groundwork for veneering or covering with plastic laminate. Blade has ridges or serrations that striate the surface to provide tooth or grip for glue. It may also be used to flatten or reduce the surface of burl or bird's-eye figured hardwood grain.

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
108 S	220	ca. 70°	48	1,00	...010807	1	1705



German Coach Door Rabbet Plane

with hornbeam sole

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 16)
28 S	240	45°	48	1,10	...002802	1	1602.48, 1612.48



German Gent's Plane (single iron jack plane)

1105 S with hornbeam sole, oiled

1105 from steamed beech

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
1105 S	200	45°	39	0,60	...011507	1	1101



Edge trimmer

Use to trim overhanging waste on plastic laminates or wood veneer.

- Square cut straight or curved edges
- Chamfer straight edges

295.01 Replacement blades

No.	Length mm	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box
295.00	145	42	0,40	...000037	1
295.01	145	42	0,01	...000044	10



Veneer Cutter

Dual function tool:

- Cut veneers up to 1 mm thick into any size strips using a straight edge guide
- Trim excess overhang flush using fence. Mount fence on opposite side of holder to cut flush for left handed operation. Tool uses a 2 mm industrial grade saw blade

297.01 Replacement blades

No.	Length mm	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box
297.00	90	57	0,30	...029700	1
295.01	90	57	0,03	...029717	1

Metal Planes



Compass or Circular Plane, adjustable

Adjustable sole flexes to smooth either convex or concave surfaces.
Thus is a valid concession for plane.

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
113	260	55°	44	1,80	...011309	1	1702, 1712



Spokeshave, straight iron

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
51	250	45°	52	0,30	...005100	1	1751



Spokeshave, with hollow iron

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
55	250	45°	52	0,40	...005506	1	1755



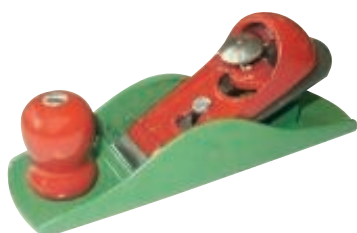
Spokeshave, convex face and iron

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
50	250	45°	52	0,30	...005001	1	1750



Cabinet Scraper with Raised Handles

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
80	280	70°	70	0,75	...008002	1	1780



Low Angle Block Plane

adjustable, for end grain

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
60	175	20°	41	0,70	...006008	1	1760



Bullnose Plane

No.	Length mm	Blade bedded at	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box	Replacement blade No. (page 17)
75	100	40°	27	0,30	...007500	1	1775

Grinding Angles

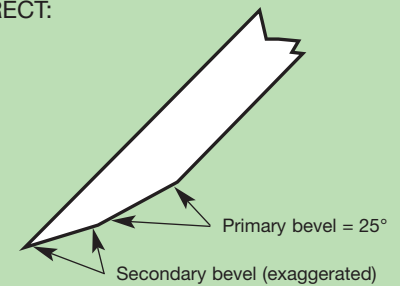
Slight Secondary Bevel Strengthens Cutting Edge

Secondary bevel must be acute to allow back clearance. Back clearance reduces friction. When cutting edge presses down, it compresses the wood. But wood immediately in back of the cutting edge is not compressed. Back clearance provides space for this expansion. Without it, friction heats the cutting edge and dulls it. The amount of back clearance corresponds to the depth of cut.

Grinding bevel on small-diameter wheel weakens the edge. A secondary bevel is necessary.

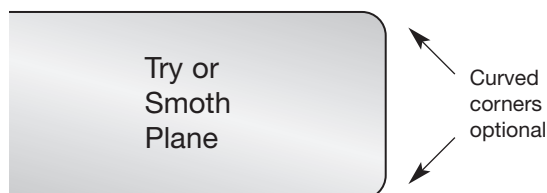
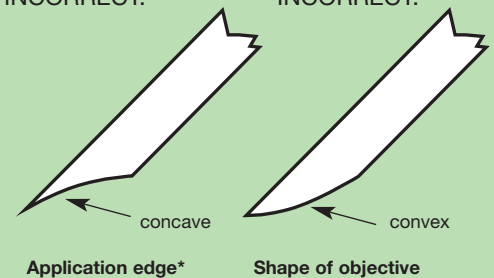
If secondary bevel becomes wide or rounded, back clearance is lost. Rounded bevel prevents cutting edge from biting in. Blade heats up and it dulls further.

CORRECT:



INCORRECT:

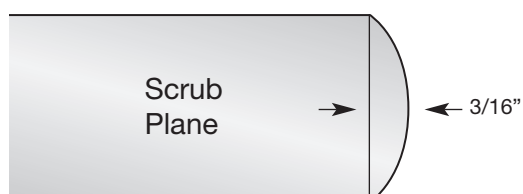
INCORRECT:



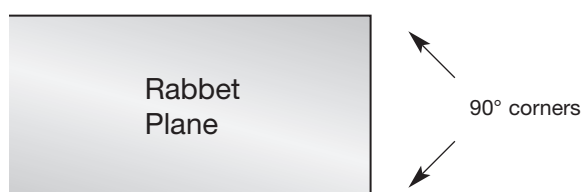
Slightly rounded corners eliminates cutting hard lines at blade edges assuring a smooth surface.



A slightly curved edge speeds wood removal. Especially applicable on blades reserved for cleaning up rough sawn lumber, and other heavy duty applications.



Blades ground with pronounced curve permit rapid removal of waste wood. The primary angle may be ground at 30° or even 35° to strengthen edge.



Grind and hone Rabbet plane iron perfectly square with sharp corners.

*** Edge curves are exaggerated to illustrate concept.**

Plane Irons

Double iron (with cap iron)



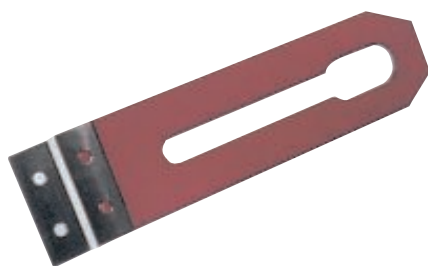
No.	Type	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box
1612.45	Double Iron	45	0,30	...016137	1
1612.48	Double Iron	48	0,30	...012481	1
1612.60	Double Iron	60	0,40	...012603	1
1612 R	HSS, for No. 104 ER	48	0,30	...016144	1

Single iron (without cap iron)



No.	Type	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box
1602.45	Single Iron	45	0,10	...002451	1
1602.48	Single Iron	48	0,15	...002482	1
1602.60	Single Iron	60	0,20	...002604	1
1602 R	HSS, for No. 104 ER	48	0,15	...000129	1

Plane irons with replaceable cutter edges (also suitable for E.C.E. PRIMUS-Planes)



No.	Type	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box
1602 W	Single iron with 3 replaceable cutters	48	0,20	...060284	1
1612 W	Double iron with 3 replaceable cutters	48	0,30	...061281	1
12 KW	PRIMUS-Double iron with 3 replaceable cutters	48	0,30	...001218	1
1600 W	Pack of 5 replaceable cutters	48	0,05	...001287	5

Single iron for Rabbet Plane No. 9 S (without cap iron)



No.	Type	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box
1608.15		15	0,10	...008309	1
1608.18		18	0,10	...016083	1
1608.21		21	0,10	...016052	1
1608.24		24	0,10	...160823	1
1608.30		30	0,10	...016069	1

Double iron for Rabbet Plane No. 10 S (with cap iron)



No.	Type	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box
1609.30		30	0,15	...016090	1

Single iron for Rabbet Plane No. 10 S (without cap iron)



No.	Type	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box
1609.27a		27	0,10	...016007	1
1609.30a		30	0,10	...016106	1



Iron for No. 111 S

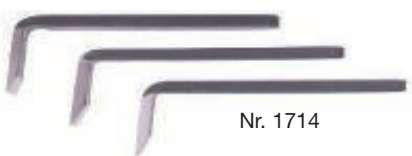
No.	Type	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box
1727	Single iron	48	0,15	...027485	1
1726	Double iron	48	0,30	...026488	1



Nr. 1606



Nr. 1604



Nr. 1714

Plane Irons for Specialty Planes

No.	Type	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box
1606	Iron for Scrub Plane	33	0,10	...006336	1
1603	Iron for Moving Fillister Plane	33	0,10	...016038	1
1604	Iron for Dovetail Plane	33	0,10	...016045	1
1607	New knife spur for No. 23 S and No. 48 S	14 x 14	0,05	...016076	1
1605	Iron for Expert Plane	48	0,15	...160502	1
1101	Iron for small German Gent's Plane	39	0,10	...011019	1
1649	Iron for Block Plane	39	0,05	...004905	1
1705	Iron for Tooothing Plane	48	0,30	...017059	1
1714	Irons for Router Plane	10, 15, 20	0,30	...017141	1
1738-3	Irons for Plow Plane	5, 7, 9	0,30	...017387	1
1738-6	Irons for Plow Plane	4, 5, 7, 9, 12, 14	0,70	...017394	1
1694	Iron for Inletting Plane	16	0,05	...016946	1

Plane Irons for Metal Planes

No.	Type	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box
1702	Single iron for Compass Plane without cap iron	44	0,10	...017028	1
1712	Double iron for Compass Plane with cap iron	44	0,25	...017127	1
1751	Iron for Spokeshave straight	52	0,05	...017516	1
1755	Iron for Spokeshave concave	52	0,05	...017554	1
1750	Iron for Spokeshave convex	52	0,05	...017509	1
1760	Iron for Low Angle Block Plane	41	0,10	...017608	1
1780	Iron for Cabinet Scraper Plane	70	0,05	...017806	1
1775	Iron for Bullnose Plane	27	0,05	...017752	1



Nr. 1751



Nr. 1755

Plane Irons for PRIMUS-Planes

No.	Type	Iron width mm	Weight ca. kg	EAN-Number 4016650...	Per Box
12.48 K	Complete iron for PRIMUS-Planes	48	0,30	...124849	1
12.60 K		60	0,40	...124863	1
12.48	Single iron for PRIMUS-Plane without cap iron	48	0,15	...001201	1
12.60		60	0,20	...126003	1
12 R	PRIMUS-Single iron without cap iron	48	0,15	...000136	1
12 RK	Complete PRIMUS-iron, HSS for No. 704 ER	48	0,30	...000143	1
12.48 D	PRIMUS-cap iron	48	0,10	...001225	1
12.60 D		60	0,15	...001263	1
2709 K	Complete iron for-PRIMUS-Rabbet Plane	30	0,15	...027096	1
2709	Single iron for PRIMUS-Rabbet Plane	30	0,10	...027034	1



Nr. 12 K



Nr. 2709 K

**Measurements
call for
precision
instruments**



Woodworking Enjoyment
Through Fine Tools

Measuring Tools

with rosewood handle and blued steel beam



Precision Try Square

without miter on handle, with laser metric markings

- With polished brass facings on both sides of handle
- Four massive brass pins at the corner
- Rosewood handle is almost moisture resistant

No.	Size mm	Length Wooden handle mm	Weight ca. kg	EAN-Number 4016650...	Per Box
409.150	150	115	0,25	...049159	6
409.200	200	135	0,30	...049203	6
409.250	250	155	0,35	...049258	6
409.300	300	175	0,45	...049302	6
409.350	350	200	0,50	...049357	6
409.400	400	225	0,55	...049401	6
409.600	600	305	1,20	...049609	2



Precision Try Square

with miter on handle, with laser metric markings

No.	Size mm	Length Wooden handle mm	Weight ca. kg	EAN-Number 4016650...	Per Box
410.200	200	135	0,25	...045205	6
410.250	250	155	0,30	...045250	6
410.300	300	180	0,35	...045304	6



Special Marking Square

with miter on handle, with laser metric markings

- For marking grooves and rabbets on doors and window frames

No.	Size mm	Length Wooden handle mm	Weight ca. kg	EAN-Number 4016650...	Per Box
420	300	180	0,30	...004202	1



Precision Sliding Bevel

The E.C.E. design assures that the desired angle is fixed firmly.

Heavy brass washers and a long slit in the handle unite with the thumb screw to fuse the handle and blade to any angle up to 180°.

No.	Size mm	Length Wooden handle mm	Weight ca. kg	EAN-Number 4016650...	Per Box
411.250	250	175	0,25	...041252	6
411.300	300	200	0,30	...041306	6



Precision Miter Square

No.	Size mm	Length Wooden handle mm	Weight ca. kg	EAN-Number 4016650...	Per Box
412.250	250	155	0,25	...042255	6
412.300	300	180	0,30	...042303	6

Measuring Tools

with beech handle and blued steel beam

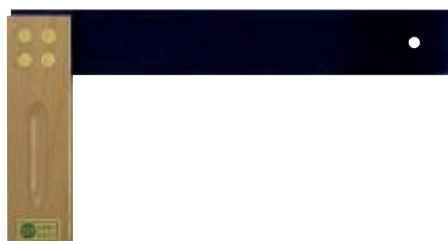


Try Square

with miter on the handle

- With polished brass facing on the inner side of handle
- Massive brass pins at the corner
- Comfortable slots in both sides of handle

No.	Length mm	Length Wooden handle mm	Weight ca. kg	EAN-Number 4016650...	Per Box
403.150	150	115	0,15	...043157	6
403.200	200	135	0,20	...043201	6
403.250	250	155	0,25	...043256	6
403.300	300	180	0,30	...043300	6
403.350	350	200	0,35	...043355	6
403.400	400	225	0,40	...043409	6



Try Square

without miter on the handle

No.	Length mm	Length Wooden handle mm	Weight ca. kg	EAN-Number 4016650...	Per Box
400.150	150	100	0,15	...040156	6
400.200	200	115	0,20	...040200	6
400.250	250	135	0,25	...040255	6
400.300	300	155	0,30	...040309	6
400.350	350	175	0,35	...040354	6
400.400	400	200	0,40	...040408	6



Sliding Bevel

The E.C.E. design assures that the desired angle is fixed firmly.

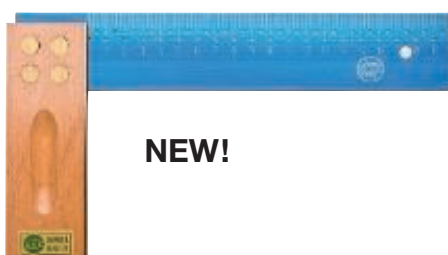
Heavy brass washers and a long slit in the handle unite with the thumb screw to fuse the handle and blade to any angle up to 180°.

No.	Length mm	Length Wooden handle mm	Weight ca. kg	EAN-Number 4016650...	Per Box
407.250	250	175	0,25	...047254	6
407.300	300	200	0,30	...047308	6



Try Square

No.	Length mm	Length Wooden handle mm	Weight ca. kg	EAN-Number 4016650...	Per Box
404.250	250	155	0,25	...044253	6
404.300	300	180	0,30	...044307	6



NEW!

Try Square with additional function for parallel marking

- Mark parallel lines quickly and easily
- Beech wood and blued 200 mm steel beam with laser-accurate metric markings
- Try Square in renowned E.C.E.-Quality

No.	Length mm	Length Wooden handle mm	Weight ca. kg	EAN-Number 4016650...	Per Box
401.20	200	135	0,25	...401209	6

Please note: Measuring tools with beech handles may lose their accuracy in rooms with high humidity (garages, cellars, etc.). Under those circumstances we urgently recommend using measuring tools with handles made from rosewood.



Tool Chest “Measuring and Marking”

The ideal gift for professional and advanced cabinetmakers.

Contents: 1 Precision Sliding Bevel 300 mm 1 Folding Rule 2000 mm
1 Precision Try Square with miter 1 Marking Gauge with lignum vitae face
1 Carpenter's Pencil

No.	Type	Weight ca. kg	EAN-Number 4016650...	Per Box
400 HK	in a fine wooden box	2,50	...004011	1

Measuring Tools, Hornbeam



Try Square

without miter on the handle

No.	Length mm	Length handle mm	Weight ca. kg	EAN-Number 4016650...	Per Box
227.150	150	110	0,10	...027157	6
227.250	250	145	0,15	...027256	6
227.350	350	185	0,20	...027355	6



Miter Square

fixed 45°

No.	Length mm	Length handle mm	Weight ca. kg	EAN-Number 4016650...	Per Box
228	400	240	0,20	...028406	6



Sliding Bevel

No.	Length mm	Length handle mm	Weight ca. kg	EAN-Number 4016650...	Per Box
229.250	250	280	0,20	...029250	6
229.350	350	380	0,20	...029359	6

Please note: Measuring tools with beech handles may lose their accuracy in rooms with high humidity (garages, cellars, etc.). Under those circumstances we urgently recommend using measuring tools with handles made from rosewood.

Marking Gauges, Miter Boxes

Marking Gauges

- With 2 individually adjustable posts
- Easy to read scales
- Metric scales - on request also available in inches



Nr. 217 S

Marking Gauge

No.	Length mm	Weight ca. kg	EAN-Number 4016650...	Per Box
217 S	0-150	0,20	...021704	1



Nr. 217 P

Marking Gauge with lignum vitae face

No.	Length mm	Weight ca. kg	EAN-Number 4016650...	Per Box
217 P	0-150	0,20	...021797	1



Nr. 217 K

Marking Gauge with circular fence

No.	Length mm	Weight ca. kg	EAN-Number 4016650...	Per Box
217 K	0-150	0,20	...021711	1

Miter Boxes

Miter Box, light duty

glued



No.	Length mm	Dimensions mm	Weight ca. kg	EAN-Number 4016650...	Per Box
225.300	300	62 x 37	0,60	...025306	6
225.250	250	62 x 37	0,50	...025252	6

Miter Box, heavy duty

fixed by screws



No.	Length mm	Dimensions mm	Weight ca. kg	EAN-Number 4016650...	Per Box
225 S	400	80 x 60	1,50	...025405	2

**Striking evidence
of permanent cuts.**



Woodworking Enjoyment
Through Fine Tools

Chisels

Firmer Chisels

Hornbeam handle with steel ferrules



No.	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
500.02	2	0,10	...050025	6
500.04	4	0,10	...050049	6
500.06	6	0,10	...050063	6
500.08	8	0,10	...050087	6
500.10	10	0,10	...050001	6
500.12	12	0,15	...050018	6
500.14	14	0,15	...050032	6
500.16	16	0,20	...050056	6
500.18	18	0,20	...050070	6
500.20	20	0,25	...050094	6
500.22	22	0,25	...500223	6
500.24	24	0,25	...500247	6
500.26	26	0,25	...500261	6
500.28	28	0,30	...500285	6
500.30	30	0,30	...500308	6
500.32	32	0,35	...500322	1
500.35	35	0,35	...500353	1
500.40	40	0,35	...500407	1

Handles for No. 500

from Hornbeam with steel ferrules

No.	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
502.1	130	0,05	...502012	6
502.3	145	0,05	...502036	6
502.4	152	0,05	...502043	6

Firmer Chisels

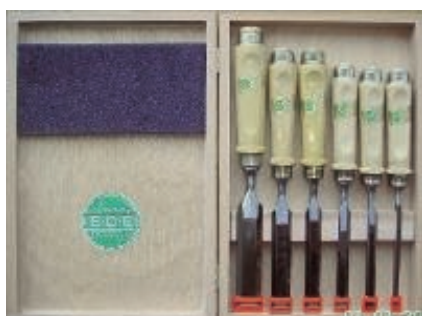
Red plastic handle



No.	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
501.02	2	0,10	...501022	6
501.04	4	0,10	...501046	6
501.06	6	0,10	...501060	6
501.08	8	0,10	...501084	6
501.10	10	0,10	...501107	6
501.12	12	0,15	...501121	6
501.14	14	0,15	...501145	6
501.16	16	0,20	...501169	6
501.18	18	0,20	...501183	6
501.20	20	0,25	...501206	6
501.22	22	0,25	...501220	6
501.24	24	0,25	...501244	6
501.26	26	0,25	...501268	6
501.28	28	0,30	...501282	6
501.30	30	0,30	...501305	6

Chisel Sets

with hornbeam handle



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
500 A	6-pieces	6, 10, 12, 16, 20, 26	0,90	...500001	1
500 HK	6-pieces, in a wooden box	6, 10, 12, 16, 20, 26	1,60	...500018	1
500 B	12-pieces	6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 30	1,60	...500025	1



Chisel Sets

with red plastic handle

No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
501 A	6-pieces	6, 10, 12, 16, 20, 26	0,95	...501008	1
501 HK	6-pieces, in a wooden box	6, 10, 12, 16, 20, 26	1,65	...005018	1



Mortise Chisels

heavy duty, hornbeam handle and leather disc to cushion blows, steel ferrules

No.	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
505.03	3	0,20	...505037	1
505.06	6	0,20	...505068	1
505.08	8	0,25	...505082	1
505.10	10	0,30	...505105	1
505.12	12	0,40	...505129	1
505.13	13	0,40	...505136	1
505.16	16	0,50	...505167	1

Straight Gauge Chisels

hornbeam handle with steel ferrules



No.	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
506.06	6	0,10	...506065	1
506.08	8	0,10	...506089	1
506.10	10	0,10	...506102	1
506.12	12	0,15	...506126	1
506.14	14	0,15	...506140	1
506.16	16	0,20	...506164	1
506.18	18	0,20	...506188	1
506.20	20	0,20	...506201	1
506.22	22	0,20	...506225	1
506.24	24	0,25	...506249	1
506.26	26	0,30	...506263	1
506.28	28	0,35	...506287	1
506.30	30	0,35	...506300	1
506.32	32	0,35	...506324	1
506.35	35	0,40	...506355	1
506.40	40	0,45	...506409	1



Carpenter's Firmer Chisels

heavy duty, hornbeam handle and leather disc to cushion blows, steel ferrules

No.	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
508.20	20	0,35	...508205	1
508.22	22	0,35	...508229	1
508.24	24	0,40	...508243	1
508.26	26	0,40	...508267	1
508.28	28	0,45	...508281	1
508.30	30	0,45	...508304	1
508.32	32	0,50	...508328	1
508.35	35	0,55	...508359	1
508.40	40	0,55	...508403	1
508.45	45	0,60	...508458	1
508.50	50	0,65	...508502	1

Mallets and Hammers

Carpenter's Mallet

Beech wood, ash handle

- Ash handle ergonomically shaped
- Sizes 140 and 160 mm: Head and handle secured by an additional wood plug



No.	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
213 S.160	160	1,30	...013167	1
213 S.140	140	1,15	...013143	1
213 S.105	105	0,50	...013105	1

Carver's Mallet

Head from Hornbeam



No.	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
212 S	110 Ø	0,80	...002123	1

Round Head Mallet

Head from Hornbeam



No.	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
214.60	60 Ø	0,30	...014607	1
214.70	70 Ø	0,50	...014706	1
214.80	80 Ø	0,70	...014805	1

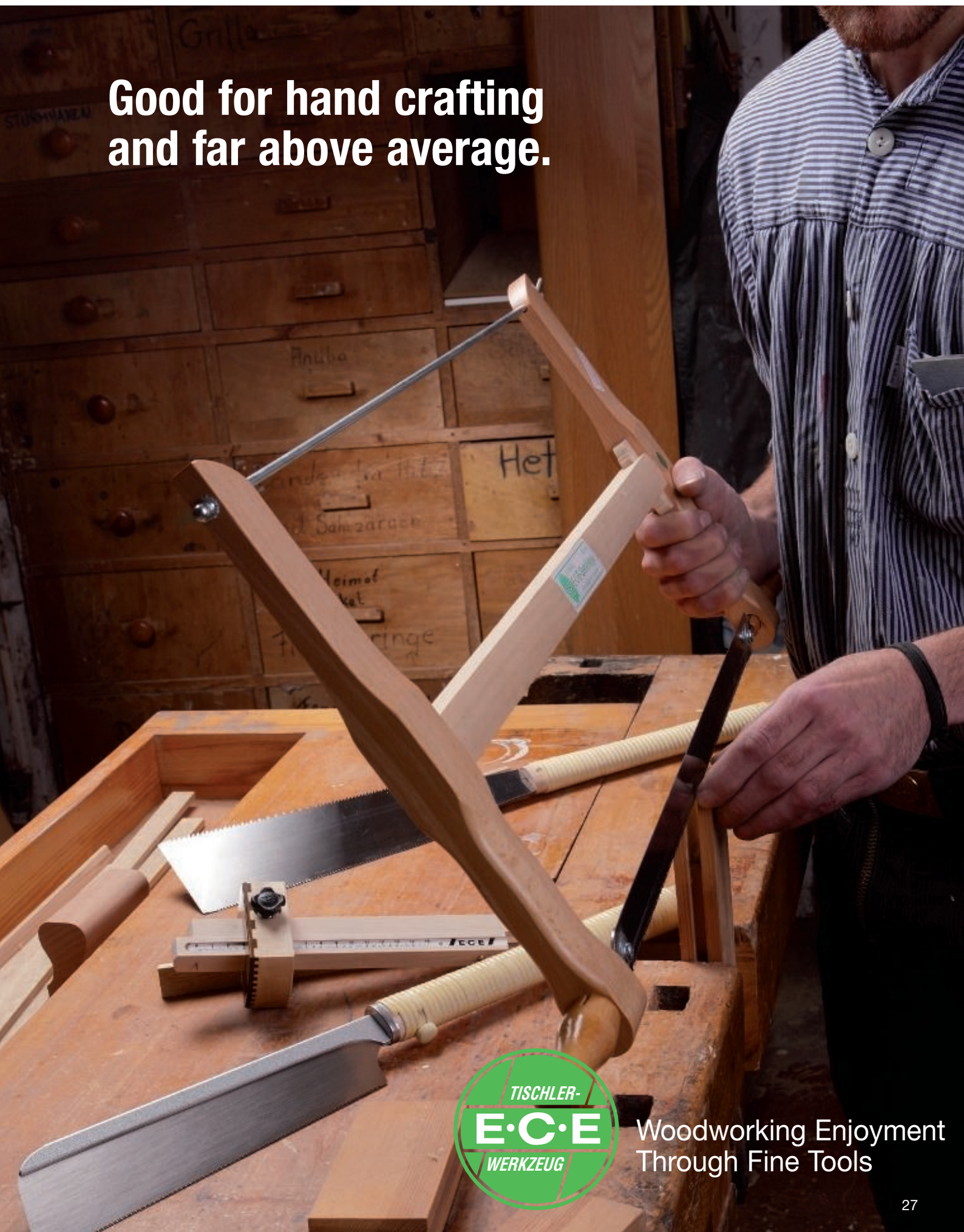
Warrington Pattern Cabinetmaker's Hammer

with ash handle



No.	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
285.22	22	0,35	...028529	1
285.28	28	0,60	...028536	1

**Good for hand crafting
and far above average.**



Woodworking Enjoyment
Through Fine Tools

Handsaws

Fine Cutting Back Saw



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
205.25	Straight	250	0,15	...005254	6
204.25	Offset handle	250	0,20	...004257	6
203.25	Offset handle, reversible	250	0,25	...003250	6

Back Saw



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
206.30	closed wooden handle	300	0,40	...006305	6
206.35		350	0,50	...006350	6

Panel Saw



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
208.35	closed wooden handle	350	0,30	...008354	6

Compass or Keyhole Saw



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
254.30	wooden handle	300	0,20	...054306	6

Veneer Saw



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
258.00	wooden handle	75	0,15	...058755	6

Dovetail Saw/Trenching Saw



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
255.00	Blade depth adjustable	150	0,30	...055150	1

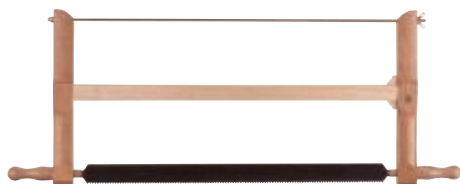
Hack Saw



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
256.01	adjustable	150	0,15	...025603	1

Frame Saws

with heavy steel rod as tensioning element



- Elegant bridge support of hornbeam for stability
- Blade sharpened and set ready for use
- Tension element is a heavy steel rod with wing nut for tensioning
- Saw blade grommet and pin stabilizes saw blade
- Arms and handles ergonomically shaped

Tension Saw

use to cut squared lumber, cut across the grain

253.61 Saw blade 600 mm

253.71 Saw blade 700 mm

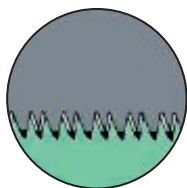


No.	Length mm	Blade thickness mm	Tooth spacing mm	Weight ca. kg	EAN-Number 4016650...	Per Box
253.60	600	0,7	5	1,10	...053606	1
253.70	700	0,7	5	1,20	...053705	1
253.61	600	0,7	5	0,15	...053613	10
253.71	700	0,7	5	0,15	...053712	10

Tension Saw with Japanese Saw Blade

Straight and accurate cuts are achieved with little exertion – soft and hardwoods, with or across grain – cuts on pull stroke. Teeth precision sharpened, Hardness 70 HRC

2503.61 Saw blade 600 mm



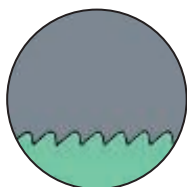
No.	Length mm	Blade thickness mm	Tooth spacing mm	Weight ca. kg	EAN-Number 4016650...	Per Box
2503.60	600	0,6	2	1,10	...054603	1
2503.61	600	0,6	2	0,15	...054610	1

Set-off Saw

Use for accurate, fine cuts, for example tenons and dovetails.

250.61 Saw blade 600 mm

250.71 Saw blade 700 mm

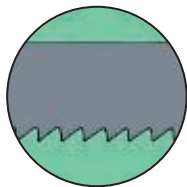


No.	Length mm	Blade thickness mm	Tooth spacing mm	Weight ca. kg	EAN-Number 4016650...	Per Box
250.60	600	0,7	3	1,10	...050605	1
250.70	700	0,7	3	1,20	...050704	1
250.61	600	0,7	3	0,15	...050612	10
250.71	700	0,7	3	0,15	...050711	10

Curve Saw

Narrow saw blade with fine teeth. Blade cuts curves.

252.61 Saw blade 600 mm



No.	Length mm	Blade thickness mm	Tooth spacing mm	Weight ca. kg	EAN-Number 4016650...	Per Box
252.60	600	0,6	3	1,10	...052609	1
252.61	600	0,6	3	0,05	...052616	10

Two-Way-Saw

Use for ripping timbers and boards. Saw blade has considerable distance between teeth The cutting edge is equal on both sides, so it may be used for pushing and pulling. The teeth are set coarsely.

251.61 Saw blade 600 mm

251.71 Saw blade 700 mm



No.	Length mm	Blade thickness mm	Tooth spacing mm	Weight ca. kg	EAN-Number 4016650...	Per Box
251.60	600	0,7	6	1,10	...051602	1
251.70	700	0,7	6	1,20	...051701	1
251.61	600	0,7	6	0,15	...051619	10
251.71	700	0,7	6	0,15	...051718	10

Pull Saws (Japanese Style)

Maximum Power Hand Saw with black plastic handle



No.	Blade length mm	Blade thickness mm	Tooth spacing mm	Weight ca. kg	EAN-Number 4016650...	Per Box
202.26	265	0,6	1,75	0,2	...0002024	6

Maximum Power Hand Saw, Rattan handle straight



No.	Blade length mm	Blade thickness mm	Tooth spacing mm	Weight ca. kg	EAN-Number 4016650...	Per Box
202.26 RJ	265	0,6	1,75	0,2	...002048	1

Maximum Power Hand Saw, Rubber handle straight



No.	Blade length mm	Blade thickness mm	Tooth spacing mm	Weight ca. kg	EAN-Number 4016650...	Per Box
202.26 R	265	0,6	1,75	0,2	...002031	1

Replacement blades to Nr. 202.26, 202.26 R, 202.26 RJ

202.27 Universal

202.28 Extra-fine

No.	Blade length mm	Blade thickness mm	Tooth spacing mm	Weight ca. kg	EAN-Number 4016650...	Per Box
202.27	265	0,6	1,75	0,10	...002055	6
202.28	230	0,4	1,20	0,05	...002062	6

Dozuki Universal

for Dovetail and other Joints

210.25 Saw blade



No.	Blade length mm	Blade thickness mm	Tooth spacing mm	Weight ca. kg	EAN-Number 4016650...	Per Box
210.24	240	0,3	1,5	0,20	...021001	1
210.25	240	0,3	1,5	0,05	...021018	1

Dozuki Super Hard

for laminates and glued boards

215.25 Saw blade



No.	Blade length mm	Blade thickness mm	Tooth spacing mm	Weight ca. kg	EAN-Number 4016650...	Per Box
215.24	240	0,3	1,4	0,20	...021520	1
215.25	240	0,3	1,4	0,05	...021537	1

Japanese Handsaws

Dozuki Universal Compact

Precise cuts across the grain

216.19 Saw blade



No.	Blade length mm	Blade thickness mm	Tooth spacing mm	Weight ca. kg	EAN-Number 4016650...	Per Box
216.18	180	0,3	1,5	0,15	...021612	1
216.19	180	0,3	1,5	0,05	...021629	1

Dozuki Mini, with back

Detail work and beading

209.16 Saw blade



No.	Blade length mm	Blade thickness mm	Tooth spacing mm	Weight ca. kg	EAN-Number 4016650...	Per Box
209.15	150	0,3	1,4	0,10	...020905	1
209.16	150	0,3	1,4	0,05	...020912	1

Ryoba Komane

with different teeth on both sides, all-purpose saw

211.25 Saw blade



No.	Blade length mm	Blade thickness mm	Tooth spacing mm	Weight ca. kg	EAN-Number 4016650...	Per Box
211.24	240	0,45	1,2/3	0,20	...021100	1
211.25	240	0,45	1,2/3	0,05	...021117	1

Kataba Super Hard

Deep cuts in glued boards

218.25 Saw blade



No.	Blade length mm	Blade thickness mm	Tooth spacing mm	Weight ca. kg	EAN-Number 4016650...	Per Box
218.24	240	0,6	1,7	0,20	...021827	1
218.25	240	0,6	1,7	0,05	...021810	1

Kariwaku

Robust saw for carpentry and green wood

219.34 Saw blade



No.	Blade length mm	Blade thickness mm	Tooth spacing mm	Weight ca. kg	EAN-Number 4016650...	Per Box
219.33	330	0,9	2,8	0,30	...021933	1
219.34	330	0,9	2,8	0,10	...021940	1

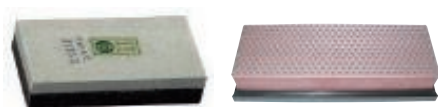
Useful variety to meet various challenges.



Woodworking Enjoyment
Through Fine Tools

Additional Cabinetmaker's tools

Honing stone



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
266.02	two grit, fine/extra-fine Oil/Water	100 x 50 x 20	0,25	...026624	1
266.03	Diamond	155 x 50 x 20	0,30	...026631	1

Hand scraper



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
280.00	rectangular	150 x 60 x 0,8	0,05	...280002	10
279.00	curved	130 x 80 x 0,8	0,05	...279006	10

Scraper burnisher



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
281.00	Steel polished rod	240	0,10	...281009	1

Sanding cork



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
288.00	one side with rounded edges	120 x 60 x 35	0,10	...288008	10

Awl

with wooden handle



No.	Type	Size Ø mm	Weight ca. kg	EAN-Number 4016650...	Per Box
274.01	round	6	0,10	...027416	1
274.02	square	6	0,10	...027423	1

Divider



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
259.20	forged, with hardened points	200	0,20	...002598	1

Additional Cabinetmaker's tools

Center punch



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
257.02	conic	2	0,10	...025702	1
257.04		4	0,10	...025719	1

Drift pin



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
357.02	cylindrical	2	0,05	...035701	1
357.04		4	0,05	...035718	1

Engineer's straight scribe



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
358.17	with knurled handle	175	0,05	...035817	1

Scraper



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
359.00	with 2 cutting edges	320	0,55	...035909	1

Ruler



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
284.40	flexible, with metric scale	400	0,05	...028444	1

Folding rule



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
284.02	wood, with metric scale	2000	0,10	...028451	1

Cantling hatchet



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
410.45	with 3 cutting edges	45	1,20	...410454	1

Pincers

Pincers



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
287.21	for heaviest duty, due to precision workmanship	210	0,40	...028727	1

Electrician's side cutter



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
387.16	with gripping zones for flat and round material, Versatile	160	0,20	...038719	1

Adjustable (slip) pliers



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
388.20	gripping surfaces with special hardened steel, hard wearing for secure grip	180	0,20	...038825	1



Pincer for setting saw teeth

No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
389.18	for hand saws with a blade thickness up to 1,5 mm	180	0,30	...389187	1

Screw driver with black plastic handle



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
272.03	slotted	2,5	0,05	...027232	1
272.04		4	0,05	...027249	1
272.07		6,5	0,10	...027270	1
272.10		10	0,20	...027218	1



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
273.01	Phillips head	Gr. 1	0,05	...027317	1
273.02		Gr. 2	0,10	...027300	1
273.03		Gr. 3	0,15	...027331	1

Countersinks



No. 267.16



No. 267.16 H

No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
267.16	90°, 5 cutting edges	16	0,05	...026716	1
267.16 H	with wooden handle	16	0,10	...026723	1

Files and Rasps

Rasp, halfround



No.	Size mm	Cut	Weight ca. kg	EAN-Number 4016650...	Per Box
265.20	200	2	0,3	...026525	1
265.25	250	2	0,3	...265252	1

File, halfround



No.	Size mm	Cut	Weight ca. kg	EAN-Number 4016650...	Per Box
262.20	200	1	0,2	...026204	1
262.25	250	1	0,2	...026228	1

File, flat



No.	Size mm	Cut	Weight ca. kg	EAN-Number 4016650...	Per Box
261.20	200	2	0,2	...026129	1

File, round



No.	Size mm	Cut	Weight ca. kg	EAN-Number 4016650...	Per Box
260.20	200	1	0,15	...026020	1

Three corner files for saw blades



No.	Size mm	Cut	Weight ca. kg	EAN-Number 4016650...	Per Box
263.10	100 x 5		0,05	...026310	1
264.10	125 x 9		0,05	...026402	1

Brace and Bits



Brace

No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
270.00	four jaw chuck	360	1,00	...002703	1

Bit, augur

with square shank



No.	Size mm	For hexagon shank mm	Weight ca. kg	EAN-Number 4016650...	Per Box
277.06	6	6,35	0,05	...277064	1
277.08	8	6,35	0,10	...027775	1
277.10	10	6,35	0,10	...027799	1
277.12	12	6,35	0,10	...002772	1
277.16	16	9,00	0,15	...277163	1
277.20	20	9,00	0,25	...277200	1

Adapter for Augur Bits No. 277 for use with Brace No. 270.00



No.	For hexagon shank mm	Weight ca. kg	EAN-Number 4016650...	Per Box
270.06	6,35	0,1	...27065	1
270.09	9,00	0,1	...27089	1

Bit, spur

with cylindrical shaft and centering spike



No.	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
278.06	6	0,10	...027867	1
278.08	8	0,10	...027881	1
278.10	10	0,10	...027812	1
278.12	12	0,10	...027829	1
278.14	14	0,10	...027843	1
278.16	16	0,15	...027805	1
278.20	20	0,20	...027836	1

Clamping Tools



Spring Clamps, Gripper and Full sets

No.	Type	for stock width mm	Weight ca. kg	EAN-Number 4016650...	Per Box
301	Gripper for spring clamps		0,15	...030102	1
302	Full set of spring clamps		1,20	...030201	1
302 H	Full set of spring clamps in wooden box		2,10	...030218	1
300 A	Spring Clamps A	10-15	0,10	...030010	10
300 B	Spring Clamps B	15-25	0,15	...030027	10
300 C	Spring Clamps C	20-30	0,15	...030034	10
300 D	Spring Clamps D	25-45	0,15	...030041	10
300 E	Spring Clamps E	40-70	0,30	...030058	10
300 F	Spring Clamps F	65-90	0,25	...030065	10



Cam clamp

No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
207.20	from Hornbeam, with corkpads	200	0,45	...020721	1
207.30		300	0,55	...020738	1

Iron Clamp



No.	Type	Max. Opening Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
220.12		120 x 60	0,50	...022015	1
220.16		160 x 80	0,70	...022022	1
220.20		200 x 100	1,10	...022039	1
220.25		250 x 120	1,60	...022046	1
220.30		300 x 140	2,20	...022053	1
220.40		400 x 175	2,70	...022060	1

**All things considered:
All in apple-pie order –
All in proper location.**



Woodworking Enjoyment
Through Fine Tools

Workbenches

- Top, trestle and cross bars made of selected solid red beech, tooth glued joint, waxed and polished.
- Front vise (French system) made of a solid cast iron and steel construction, guarantees maximum even pressure over the entire vise width
- German tail vise welded steel construction, adjustable
- Underhung drawer of solid red beech with pullout-stop
- Delivery includes two vise handles and two rectangular bench dogs.



No.	Type	Length mm	Width x Height mm	Thickness of plate mm	Weight ca. kg	EAN-Number 4016650...	Per Box
2012.17	Medium Duty	1700	640 x 900	50/120	109	...020011	1
2012.20	Medium Duty	2000	640 x 900	50/120	115	...020028	1

No.	Type	Length mm	Width x Height mm	Thickness of plate mm	Weight ca. kg	EAN-Number 4016650...	Per Box
2017.20	Heavy Duty	2000	640 x 900	65/120	122	...217206	1
2017.22	Heavy Duty	2150	640 x 900	65/120	126	...217220	1

Workbench, double sided / Accessories for Workbenches

- Woodworker's bench with 2 workstations for training purposes in schools and workshops.
- Worktop and trestle made of solid red beechwood.
- Bench top specially serrated, tenoned and glued, waxed and polished.
- French front vises in a solid cast iron and metal construction. The flat threaded spindle and steel guide rod guarantees maximum even pressure over the entire vice width.
- German tail vices with traditional flat iron guide.
- Wooden bottom shelf.
- Delivery includes vise handles. and rectangular bench dogs.



Workbench, Double Sided

No.	Type	Length mm	Width x Height mm	Thickness of plate mm	Weight ca. kg	EAN-Number 4016650...	Per Box
2012.16 D	with storage shelf on the bottom and two underhung drawers with pullout-stop	1500	1000 x 870	40/110	130	...020035	1

Accessories and Replacement parts



No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	VE Paar
2100.24	Workbench Dogs (Pair) for No. 2012, 2017 + 2012.16 D	30 x 20	1,25	...210009	1

No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	VE Paar
2100.21	Side Bench Dogs (Pair) for No. 2012 + 2017	Ø 20	1,60	...210016	1

No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
2164.12	Vise handle, wooden (Piece) for No. 2012+ 2017	Ø 26	0,20	...216414	1

Benchsupport



Bench Support

- wooden with cross foot
- Adjustable from 20–74 cm in steps of 6 cm

No.	Weight ca. kg	EAN-Number 4016650...	Per Box
801	7,0	801009	1

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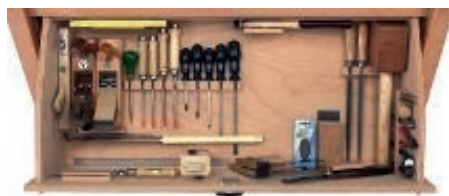
Under Bench Tool Drawers

- Pull-out compartment
- For mounting in carpenter's bench models No. 2012 and 2017.
- Lockable
- Dimensions:
1500 W x 370 D x 200 H mm
(Interior measurements)



Under Bench Tool Drawer

Fits into workbenches: No. 2012 and No. 2017



No.	Type	Weight ca. kg	EAN-Number 4016650...	Per Box
290 KHW	complete with 36-piece tool set See page 45 for tool list	46,00	...290360	1
290 KH	with holders, but without tool set	36,00	...290391	1
290 K	empty without holders or tool set	32,00	...290384	1

Under Bench Tool Drawer

Fits into workbenches: No. 2012 and No. 2017



No.	Type	Weight ca. kg	EAN-Number 4016650...	Per Box
292 KHW	complete with 43-piece tool set incl. Hornbeam measuring tools See page 46 for tool list	54,00	...292432	1
292 KH	with holders, but without tool set	36,00	...292494	1
292 K	empty without holders or tool set	32,00	...292487	1

Under Bench Tool Drawer

Fits into workbenches: No. 2012 and No. 2017



No.	Type	Weight ca. kg	EAN-Number 4016650...	Per Box
294 KHW	complete with 43-piece tool set incl. Rosewood measuring tools See page 46 for tool list	54,00	...294436	1
294 KH	with holders, but without tool set	36,00	...294498	1
294 K	empty without holders or tool set	32,00	...294481	1

Under Bench Tool Drawer

Fits into workbenches: No. 2012 and No. 2017



No.	Type	Weight ca. kg	EAN-Number 4016650...	Per Box
296 KHW	complete with 43-piece tool set See page 47 for tool list	57,00	...296546	1
296 KH	with holders, but without tool set	36,00	...296591	1
296 K	empty without holders or tool set	32,00	...296584	1

General Purpose Workbench

- Worktop made of solid red beechwood, specially serrated, tenoned and glued, 65 or 50 mm thick.
- Worktop sizes: without vises 1500 x 650 mm, with 1 vise 1675 mm, with 2 vises 1850 mm
- Subframe of 60 x 60 mm tubular steel, 1 leg with height adjustment
- Optional subframe with height adjustment
- Vises with extra strong cast iron and steel hardware for maximum even pressure over the entire vise width.
- Round aluminium bench dogs.



No.	Type	Thickness of plate mm	Weight ca. kg	EAN-Number 4016650...	Per Box
2018.65 ZZ	with 2 vises, diagonally arranged	65	68,00	...201809	1
2018.65 Z	with 1 vise on the right hand side	65	65,00	...201816	1
2018.65	without vises	65	62,00	...201823	1

No.	Type	Thickness of plate mm	Weight ca. kg	EAN-Number 4016650...	Per Box
2018.50 ZZ	with 2 vises, diagonally arranged	50	61,00	...201830	1
2018.50 Z	with 1 vise on the right hand side	50	58,00	...201847	1
2018.50	without vises	50	54,00	...201854	1

Bench Height Lift

optionally available for each workbench, retrofit not possible

No.	Type	Weight ca. kg	EAN-Number 4016650...	Per Box
2018 H	Telescoping metal legs secured with bolt holes spaced 50 mm, maximum adjustment 250 mm	–	...201861	1

Accessories and Replacement parts

No.	Type	Weight ca. kg	EAN-Number 4016650...	VE Paar/Stück
2018.20	Round aluminium bench dogs, Ø 20 mm (Pair)	0,25	...201878	1
2018.22	Vise handle, wooden, Ø 22 mm (piece)	0,10	...201885	1

Tool Sets and Cabinets

- Body and doors are made of 16 mm thick, veneered, non-warping, dry process fiber board
- Back is made of 8 mm thick plywood
- Holders from steamed beech; easy to grab an individual tool
- Stable construction; equipped with a lock; varnished
- Outer dimensions for Nos. 290, 292, 294: 615 mm wide x 655 mm high x 275 mm deep.
No. 296: 705 wide x 825 high x 275 mm deep.

You may leave out one or more tools – the price of the set will be reduced accordingly based on individual tool price.

36-piece Cabinet

No.	Type	Weight ca. kg	EAN-Number 4016650...	Per Box
290 SHW	Cabinet , complete with 36-piece tool set	28	...290032	1
290 SH	Cabinet , with holders, without tools	18	...290025	1
290	36-piece tool set , without cabinet	10	...290001	1



36-piece tool collection No. 290:

103 S	1 Jack Plane, 48 mm	259	1 Divider	256.05	1 Replacement blade for metal
711	1 PRIMUS-Improved Smoothing Plane	500	1 Firmer Chisel, 6 mm	274.02	1 Awl, square
10 S	1 Rabbet Plane with double iron, 30 mm	500	1 Firmer Chisel, 10 mm	272.04	1 Screw driver, slotted, 4 mm
266	1 Honing stone	500	1 Firmer Chisel, 16 mm	272.07	1 Screw driver, slotted, 6.5 mm
280.00	1 Handscraper, rectangular	500	1 Firmer Chisel, 26 mm	272.10	1 Screw driver, slotted, 10 mm
262.25	1 File, half-round, 250 mm	213 S	1 Carpenter's Mallet, 140 mm	273.01	1 Screw driver, Phillips head, Size 1
265.25	1 Rasp half-round, 250 mm	285.22	1 Warrington Pattern Hammer, 15 oz.	273.02	1 Screw driver, Phillips head, Size 2
288	1 Sanding Cork	287.21	1 Pincers	267 H	1 Countersink (wooden handle) 16 mm
409	1 Try square (Rosewood handle) 150 mm	387.16	1 Electrician's Side Cutter	257.02	1 Center punch, 2 mm
409	1 Try square (Rosewood handle) 250 mm	210.24	1 Dozuki Universal (Japanese Handsaw)	257.04	1 Center punch, 4 mm
411	1 Sliding bevel (Rosewood handle) 300 mm	256.02	1 Hack Saw (adjustable handle)	284.02	1 Wooden Folding Rule (Metric), 2 m
217 S	1 Double Marking Gauge	256.03	1 Replacement blade for wood	284.40	1 Ruler, 400 mm (Metric)

43-piece Cabinet

including Hornbeam measuring tools

No.	Type	Weight ca. kg	EAN-Number 4016650...	Per Box
292 SHW	Cabinet , complete with 43-piece tool set	36	...292036	1
292 SH	Cabinet , with holders, without tools	18	...292029	1
292	43-piece tool set , without cabinet	18	...292005	1

43-piece Cabinet

including Rosewood handle measuring tools

No.	Type	Weight ca. kg	EAN-Number 4016650...	Per Box
294 SHW	Cabinet , complete with 43-piece tool set	36	...294030	1
294 SH	Cabinet , with holders, without tools	18	...294023	1
294	43-piece tool set , without cabinet	18	...294009	1



Cabinet No. 292 SHW
including Hornbeam measuring tools



Cabinet No. 294 SHW
including Rosewood handle measuring tools

43-piece tool collection No. 292/294:

101 SB 1 Try Plane, 550 mm long, 48 mm
103 S 1 Jack Plane, 48 mm
104 S 1 Smoothing Plane, 48 mm
105 S 1 Jack Plane (single iron), 48 mm
106 S 1 Scrub Plane, 33 mm
10 S 1 Rabbet Plane with double iron,
30 mm
266 1 Honing stone
280 1 Handscraper, rectangular
281 1 Scraper Burnisher
262.25 1 File, half-round, 250 mm
265.25 1 Rasp half-round, 250 mm
288 1 Sanding Cork

217 S 1 Double Marking Gauge
274.02 1 Awl, square
259 1 Divider
500 1 Firmer chisel, 6 mm
500 1 Firmer chisel, 10 mm
500 1 Firmer chisel, 16 mm
500 1 Firmer chisel, 20 mm
500 1 Firmer chisel, 26 mm
213 S 1 Carpenter's Mallet, 140 mm
285.28 1 Warrington Pattern Hammer,
15 oz.
257.02 1 Center punch, 2 mm
287 1 Pincers

387.16 1 Electrician's Side Cutter
253.60 1 Tension Saw, 600 mm
250.60 1 Set-off Saw, 600 mm
252.60 1 Curve Saw, 600 mm
210.24 1 Dozuki Universal (Japanese Handsaw)
272.04 1 Screw driver, slotted, 4 mm
272.07 1 Screw driver, slotted, 6.5 mm
272.10 1 Screw driver, slotted, 10 mm
273.01 1 Screw driver, Phillips head, Size 1
273.02 1 Screw driver, Phillips head, Size 2
284 1 Wooden Folding Rule (Metric) 2 m
220.16 2 Iron Clamps, 160 mm
267 H 1 Countersink (wooden handle), 16 mm

Hornbeam measuring tools

227 1 Try Square, 150 mm
227 1 Try Square, 250 mm
227 1 Try Square, 350 mm
228 1 Miter Square, 400 mm
229 1 Sliding Bevel, 350 mm

Rosewood handle measuring tools

409 1 Try Square, 150 mm
409 1 Try Square, 250 mm
409 1 Try Square, 350 mm
412 1 Miter Square, 300 mm
411 1 Sliding Bevel, 300 mm

54-piece Cabinet

No.	Type	Weight ca. kg	EAN-Number 4016650...	Per Box
296 SHW	Cabinet , complete with 54-piece tool set	48	...296034	1
296 SH	Cabinet , with holders, without tools	27	...296027	1
296	54-piece tool set , without cabinet	21	...296003	1



54-piece tool collection No. 296:

101 S	1 Try Plane, 600 mm long, 60 mm Iron	411	1 Sliding Bevel, (Rosewood handle) 300 mm	387.16	1 Electrician's Side Cutter
103 S	1 Jack Plane, 48 mm	217 S	1 Double Marking Gauge	210.24	1 Dozuki Universal (Japanese Handsaw)
104 S	1 Smoothing Plane, 48 mm	284.40	1 Ruler (Metric), 400 mm	253.60	1 Tension Saw, 600 mm
105 S	1 Jack Plane (single iron), 48 mm	274.01	1 Awl, round	250.60	1 Set-off Saw, 600 mm
106 S	1 Scrub Plane, 33 mm	274.02	1 Awl, square	252.60	1 Curve Saw, 600 mm
10 S	1 Rabbet Plane with double iron, 30 mm	259	1 Divider	263.10	1 Three Corner File, 100 mm
711	1 PRIMUS-Improved Smoothing Plane	500	1 Firmer chisel, 6 mm	272.03	1 Screw driver, slotted, 2.5 mm
266	1 Honing stone	500	1 Firmer chisel, 10 mm	272.04	1 Screw driver, slotted, 4 mm
280	1 Handscraper, rectangular	500	1 Firmer chisel, 12 mm	272.07	1 Screw driver, slotted, 6.5 mm
281	1 Scraper Burnisher	500	1 Firmer chisel, 16 mm	272.10	1 Screw driver, slotted, 10 mm
262.25	1 File, half-round, 250 mm	500	1 Firmer chisel, 20 mm	273.01	1 Screw driver, Phillips head, Size 1
265.25	1 Rasp half-round, 250 mm	500	1 Firmer chisel, 26 mm	273.02	1 Screw driver, Phillips head, Size 2
260.20	1 File, rat-tail, 200 mm	213 S	1 Carpenter's Mallet, 140 mm	273.03	1 Screw driver, Phillips head, Size 3
261.20	1 File, flat, 200 mm	285.22	1 Warrington Pattern Hammer, 10 oz.	267 H	1 Countersink (wooden handle) 16 mm
288	1 Sanding Cork	285.28	1 Warrington Pattern Hammer, 15 oz.	256.02	1 Hack Saw (adjustable handle)
409	1 Try Square, (Rosewood handle) 150 mm	257.02	1 Center punch, 2 mm	256.03	1 Replacement blade for wood
409	1 Try Square, (Rosewood handle) 350 mm	257.04	1 Center punch, 4 mm	256.05	1 Replacement blade for metal
420	1 Special Miter Square (Rosewood handle)	287.21	1 Pincers	256	1 Wooden Folding Rule (Metric), 2 m

Tool Box “PraXsys” and “Top-tainer”/Tool Chest

A photograph showing two men in a workshop environment. They are standing next to a wooden tool chest and a green plastic toolbox. The man on the left is holding a small wooden tool box. The man on the right is holding a long wooden handle. The background shows green and blue storage racks.

Portable assortment meets every “mobile task”.



Woodworking Enjoyment
Through Fine Tools

Tool Box “PraXsys” and “Top-tainer”

- Super light-weight tool box holds cabinetmaker's modern tools
- Useful 36-piece tool collection fits neatly into the “PraXsys” carrier
- Tools are always in full view
- Design makes it easy to grab an individual tool
- You can customize the “PraXsys” top to accommodate additional tools
- Fits into a sturdy plastic box, size 4, “Systainer”, for transporting

No.	Type	Weight ca. kg	EAN-Number 4016650...	Per Box
291 S	Tool Box “PraXsys”	2,0	...291015	1
291 SW	Tool Box “PraXsys”, with 36-piece tool set	7,0	...291022	1
291 SWT	“Top-tainer”, complete with tool box “PraXsys” and 28-piece tool set	9,6	...291039	1



Nr. 291 SWT



Nr. 291 SW



Nr. 291 S

36-piece Tool Collection:

202.26 RJ	1	Maximum Power Japanese Handsaw
649 P	1	Block (Pocket) Plane, adjustable
10 S	1	Rabbet Plane, Double Iron, 30 mm
410	1	Try Square, Rosewood and blued steel, 250 mm
411	1	Sliding Bevel, Rosewood and blued steel, 250 mm
217 S	1	Double Marking Gauge
500	1	Firmer Chisel, 6 mm
500	1	Firmer Chisel, 10 mm
500	1	Firmer Chisel, 16 mm
500	1	Firmer Chisel, 20 mm
500	1	Firmer Chisel, 26 mm
285.28	1	Warrington Pattern Hammer, 15 oz.
287.21	1	Pincers
387.16	1	Electrician's Side Cutter
388.20	1	Pliers, adjustable

262.20	1	File, half-round, 200 mm
260.20	1	File, rat-tail, 200 mm
265.20	1	Rasp, half-round, 200 mm
274.02	1	Awl, square
288.00	1	Sanding Cork
280.00	1	Rectangular Hand Scraper
284.02	1	Wooden Folding Rule (Metric)
351.15	1	Knife, Utility (Box cutter)
257.02	1	Center Punch, 2 mm
272.04	1	Slotted Screw Driver, 4 mm
272.07	1	Slotted Screw Driver, 6.5 mm
273.01	1	Philips Head Screw Driver, Size 1
273.02	1	Philips Head Screw Driver, Size 2
331	1	Key Set T9-T10-T15-T20-T25-T27-T30-T40

Tool Chest

- Perfect security, handy grip, no searching, no forgetting
- Tools are protected
- Fastens to a wall with two wall anchors
- High quality construction of varnished beech solid core plywood
- Comfortable grip for carrying
- May be carried open or closed

No.	Type	Size mm	Weight ca. kg	EAN-Number 4016650...	Per Box
293 MW	Tool Chest, complete with 48-piece tool set	wide 350 high 530 deep 268	18,5	...293026	1
293 M	Tool Chest, without tool set		12,5	...293017	1



48-piece Tool Collection:

103 SW	1	Jack Plane	261.20	1	File, flat, 200 mm
10 S	1	Rabbit Plane with double iron, 30 mm	202.26	1	Japanese Handsaw
410	1	Try Square, Rosewood handle, 200 mm	288	1	Sanding Cork
411	1	Sliding Bevel, Rosewood handle, 250 mm	267	1	Countersink
217 S	1	Marking Gauge	272.04	1	Screw Driver, slotted, 4 mm
340	1	Spirit Level, 500 mm	272.07	1	Screw Driver, slotted, 7 mm
274.02	1	Awl, square blade	273.01	1	Screw Driver, Phillips Head, Size 1
256.01	1	Hack Saw, adjustable	273.02	1	Screw Driver, Phillips Head, Size 2
285.28	1	Warrington Pattern Hammer, 15 oz.	273	1	Screw Driver Bits (7 pieces)
257.02	1	Drift Pin, 2 mm	287	1	Pincers
357.04	1	Center Punch, 4 mm	387	1	Electrician's Side Cutter
500	1	Firmer Chisel, 6 mm	388	1	Pliers, adjustable
500	1	Firmer Chisel, 10 mm	330	1	Allen Wrench (6-piece set)
500	1	Firmer Chisel, 16 mm	372	1	Electrician's Screw Driver
500	1	Firmer Chisel, 20 mm	358.17	1	Scribe, straight
351	1	Utility Knife (Box Cutter)	280.00	1	Scraper, rectangular
265.20	1	Rasp, half-round, 200 mm	284.02	1	Wooden Folding Rule (Metric), 2 m
262.20	1	File, half-round, 200 mm			

TERMS AND CONDITIONS

1. These Terms and Conditions are applicable if accepted by both parties to the contract in written or any other form.
The buyer's Terms and Conditions do not apply unless we accept them explicitly.

2. Offers

Our brochure and its updated price list are part of our offer. All information and illustrations in our leaflets and brochures are conventional approximate values unless we indicated them explicitly as binding. However model or design of our products is subject to minor changes without prior written notice at any time, at our sole discretion.

3. Prices

Our prices are exclusive of VAT. Postage and packing, freight, and insurance are invoiced ex works on delivery. Delivery of small amounts as defined in our current conditions will be effected at a higher price.

4. Terms of payment

All invoices are to be paid within 30 days from date of invoice. 2 % discount for payment within 14 days from date of invoice unless buyer has not yet settled due invoices. The payment of interest is required on all past-due sums. The rate of interest on defaulted payment will be the same invoiced by our bank for credits in current account, that is at least 3 % above the current base interest rate of the Deutsche Bundesbank.

5. Delivery

Delivery of our products is effected via specialized retailing. Unless otherwise agreed delivery will be ex works.

A collection of the goods by the buyer requires prior agreement. Otherwise we make arrangements for transport and thus choose the kind of packing, means of transport and transport route.

Part delivery is allowed to reasonable extent and is separately invoiced.

6. Ownership

We reserve the right to claim ownership of the delivered goods until they are paid by the buyer in full according to our payment conditions.

The buyer may resell these goods in a proper business transaction as long as our terms and conditions are carefully observed and all invoices duly paid. However the buyer must not pawn or transfer ownership of the conditional commodity as surety. The buyer is obliged to safeguard our rights in the credited reselling of the conditional commodity.

In case of the buyer's default in payment we reserve the right – after a reasonable grace period – to claim back the conditional commodity at the buyer's expense even without withdrawal.

For security the buyer cedes to us already now all claims and rights from the sale or possibly a leasing – that we permitted – of goods where we hold the right of ownership. We hereby accept the assignment.

If our products are combined with other movable goods into a uniform compound or blended inseparably and if the other product is to be considered the main part then the buyer transfers to us a proportionate joint ownership in so far as the main part belongs to the buyer. The buyer keeps the ownership or joint ownership for us.

Incidentally the same that is applicable to the conditional commodity applies to the product developed through processing or combination or blending.

The buyer must inform us without delay about levy of execution of a third party on the conditional commodity, on claims ceded to us or on other securities. In this case the buyer must also furnish us with the necessary documents for an intervention. The same applies to all other interferences or reductions.

When asked for by the buyer we will release the securities that we are entitled to according to the conditions mentioned above in so far as the value of the goods delivered under our ownership claims exceeds debt claims to be secured by more than 20 %.

7. Warranties

We guarantee perfect production of the goods delivered by us.

The guarantee does not cover any damage caused through misuse or improper use, inadequate assembly or installation by the buyer or third parties, normal wear and tear as well as defects caused by modifications or repairs carried out by the buyer or third parties without our approval.

The buyer must complain about patent defects immediately after receipt of the product and hidden defects immediately after discovery.

We are to be given the opportunity to inspect the defect complained about. Products with defects are to be returned to us immediately on request. Transportation costs will be borne by us if the notice of defects is justified. If the buyer does not meet these obligations or modifies the product that has been complaint about before without our consent, possible rights of claim are invalidated.

In case of a justified notice of defects within the warranty period we will decide whether to repair or replace the product.

8. Other claims, liability

In so far as nothing else is stated below, other and further reaching claims of the buyer against us are excluded. This applies in particular to claims for damages due to delay, the impossibility to perform, an infringement on contractual subsidiary obligations, culpa in contrahendo and unlawful act. Thus we are not liable for defects that do not occur in the delivered product itself. We are in particular not liable for lost profits or other economic losses of the buyer.

The limitation of liability above is not valid in cases of intentional and gross negligence of our legal representative or executive employee as well in case of a culpable infringement on essential contractual duties. In the latter case we are liable only for the damage that was reasonably foreseeable in the context of this contract – unless in cases of intention and gross negligence of our legal representative or executive employee.

The limitation of liability is also not applicable in those cases where according to the product liability law liability is to be assumed for personal injury or damage to property respectively privately used objects if the delivered goods were defective. It is also not applicable in case that guaranteed characteristics are missing if and in so far as the guarantee intended to protect the buyer against damage that has not occurred in the delivered product itself.

In so far as our liability is excluded or limited this is also true for the personal liability of our employees, legal representatives and persons employed in performing an obligation (§ 278 BGB) or vicarious agents.

The legal rules and regulations concerning the onus of proof remain however unaffected.

9. Place of fulfilment and jurisdiction

Unless otherwise agreed our place of fulfilment is our place of business (Remscheid, Germany).

Our place of business is place of jurisdiction for all lawsuits, also within the framework of legal proceedings related to a bill of exchange or check proceedings if the buyer is a businessman, a legal person under public law or a public special fund. We are also entitled to lodge a suit at the buyer's place.

E·C·E

Cabinetmaker's tools

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