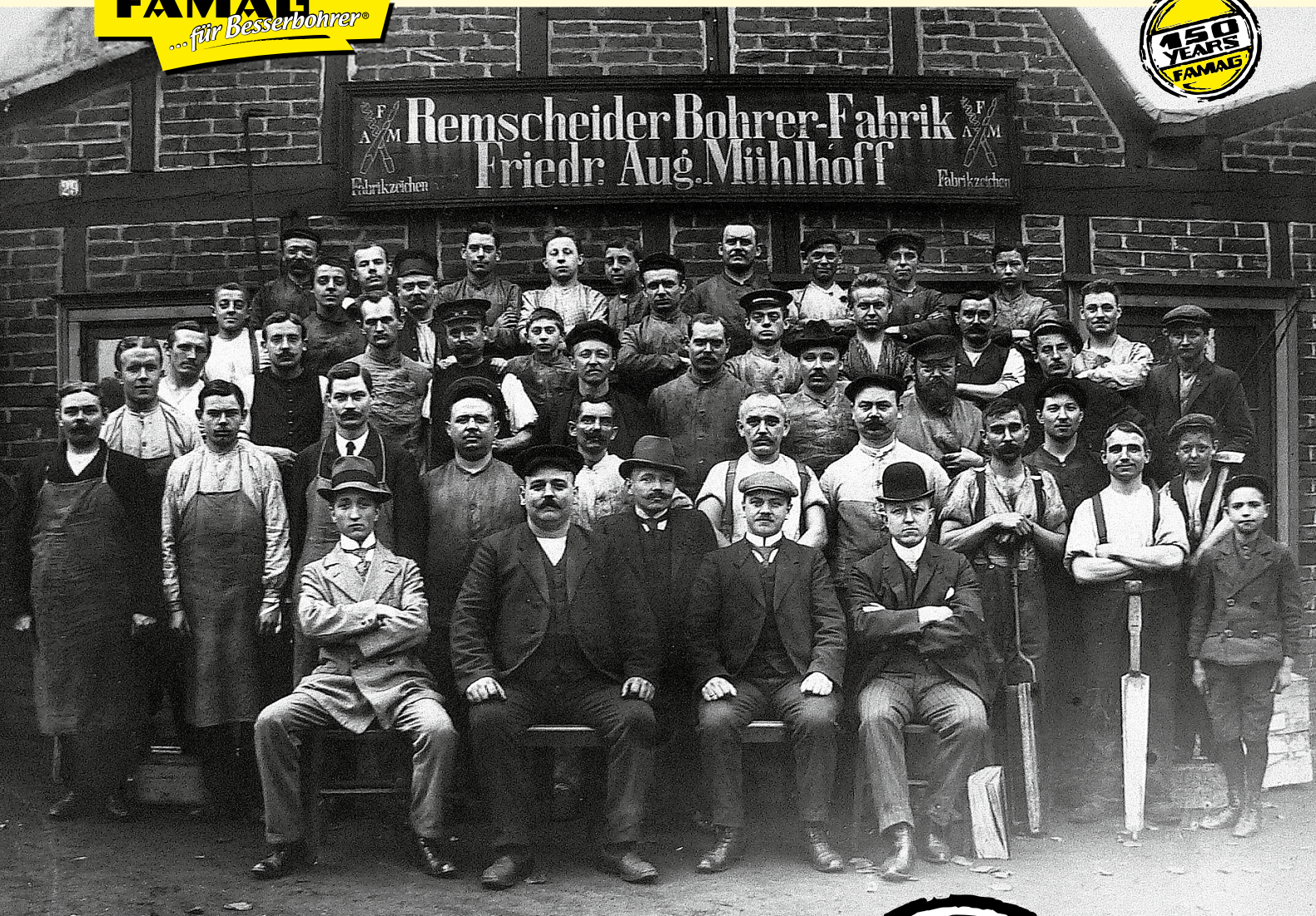




150 !

We produce quality tools for a better drilling
since 150 years !



Full steam. Since 1865!

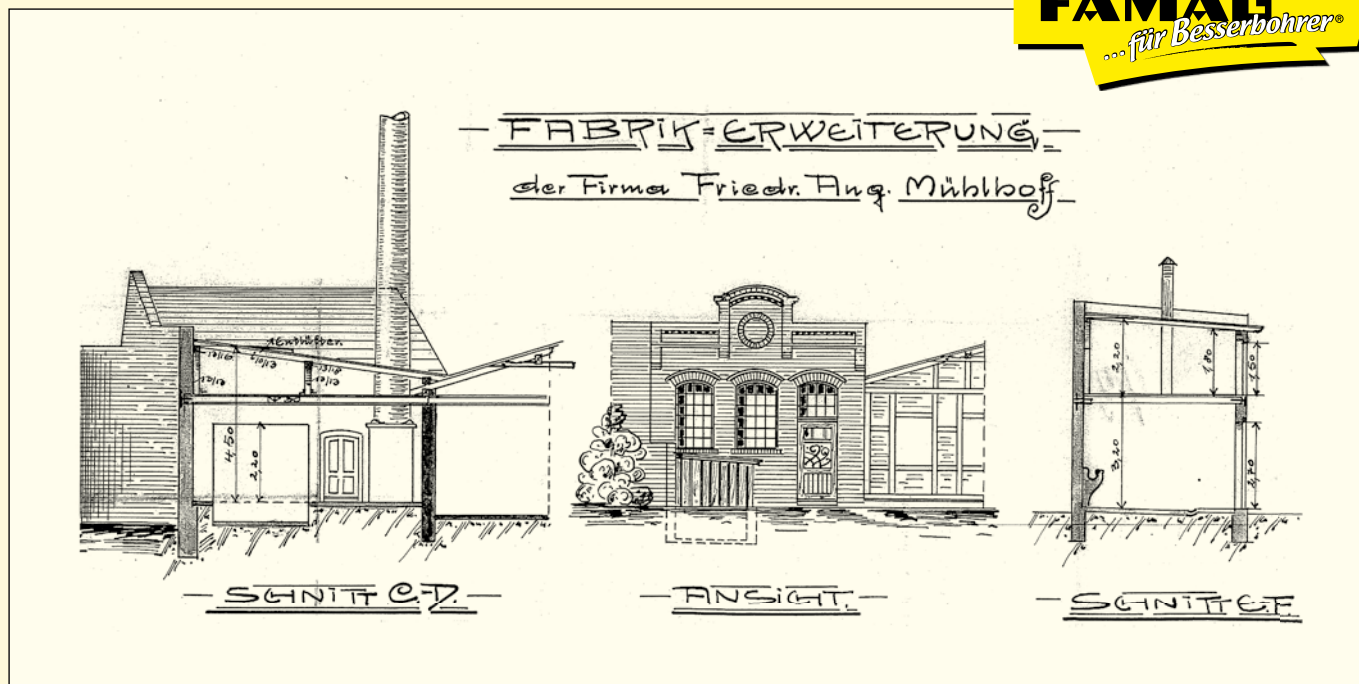
At our premises there is a historic photograph on the wall, showing 60 employees sitting in front of an old factory "Remscheider Bohrer Fabrik Friedr. Aug. Mühlhoff". This photograph dates from 1912. By then, the FAMAG manufactory of tools was already almost 50 years old. According to our records, the Remscheider drillsmith Friedrich August Mühlhoff founded the "Remscheider Bohrer-Fabrik Fried. Aug. Mühlhoff" in 1865. Even his father, a drillsmith himself, had his own drilling manufactory since 1837. As the picture clearly shows, auger bits, gimlet and spoon auger bits for carpenters, joiners and wheelwrights were produced. In those days a factory-owned steam engine powered the machines, grinding stones and drop hammers. At peak periods six drop hammers driven by transmission belts were forging drills. During the difficult post-war period it was good that the steam engine had not been disposed of by the time the factory was converted to electricity, because in case of electrical power outage, production could go on literally "under full steam".

Over the years, the production range expanded to include drills for wood, metal, stone as well as soil augers and several specialized tools. Further former records reveal that back then, it was already very important to the workpeople to produce tools characterised especially by a long operating lifetime: **quality tools!**



Do you know the meaning behind the name FAMAG? A long time ago, the company was structured as a German AG (PLC). For that reason, the initials of Friedrich August Mühlhoff (F.A.M.), its founder, were combined with the company's corporate form and so the name FAMAG was born. At the end of the last century the company was officially called "FAMAG-Werkzeugfabrik Friedrich-August- Mühlhoff". With the beginning of the new millennium the last member of the Mühlhoff family left, so we dropped the addition "Friedrich-August- Mühlhoff" and today we trade under the name FAMAG-Werkzeugfabrik.

Our production facility is situated in the centre of the country of Berg, a territory of the Duchy of Berg who gave the region its name. This area is also known as the cradle of the German tool industry because tools have been traditionally manufactured here for many centuries.



However this industrial landscape has drastically changed especially over the last decade. Those, who still have an “iron in the fire” today, continuously have adjusted the production according to market changes over the years. On the one hand this requires in-depth knowledge of market needs along with customer demands and on the other hand a consistent modernisation of the production process.

Today FAMAG has the most modern CNC machines and the latest robotic technology in use. Our highly qualified professionals apply themselves to the setting up and operating of machinery and pursuing quality assurance on a daily basis.

Benchmark. Set!



The production and development of our tools is in line with the needs and requirements of the professional craftsman. We aim to understand the applications of the professional in order to produce tools that fulfil the exact requirements and leave the craftsman with a smile on his face. With our 150 years of experience we produce high-quality tools for the demanding end-user and so forming a friendly relationship. He is not only convinced by the quality “Made in Germany” but also and especially by the excellent price-performance ratio of our products.

Our philosophy distinguishes us from the competition and clearly from those who sell cheap Chinese imports. For more than 100 years we stand by the consistent quality of our woodworking tools that are produced at our factory in Remscheid.

Offer. Optimal!



The current delivery program contains a broad range of drilling and milling tools for all areas of woodworking and plastics processing as well as for metal, stone,

concrete and other materials. Our tools are used by professional craftsmen, industry and also many do-it-yourself-amateurs. Our manufacturing program focuses on wood drills with over 3,500 products in this particular area. Hence we surely provide one of the widest product ranges for craftsmen there is.

Many of our products have unique characteristics and are protected through patents – some even worldwide. For example: carbide Bormax³, the all-rounder for all-rounder, Bormax® Forstner Bit, traditional Forstner bits and modern carbide-tipped boring bits as well as wood twist drills with special twists, etc.

We are a little bit proud of an incident that took place a few years ago: We received an e-mail from the U.S.A., congratulating us for winning the first prize!? Quickly we found out, that the magazine “Fine Woodworking” carried out a worldwide test comparing Forstner bits





of all common brands. FAMAG "SUPER-Fostnerbohrer Classic", series 1630 received the award "Best overall". So the characteristic for superb quality "Made in Germany" is still valid today! Our homepage www.famag.com provides you with further details concerning the test and its results.

As an experienced manufacturer and specialist with a long tradition and a philosophy that is committed to customer needs and high quality demands, we complete our product range with the production of custom-made tools manufactured to meet individual needs.

Trade. Fair!



Our products are distributed under the registered trademark „FAMAG für Besserbohrer“ (FAMAG for a better drilling) and solely sold by specialized dealers in Germany and abroad. In Germany our dealers are attended by 13 sales representatives. In 2007 we were awarded second prize as "Partner des Fachhandels 2007" (partner of specialized trade 2007) from the "Zentralverband des Hartwarenhandels e.V.", the central association of hard goods trade. In other European countries we further developed and expanded successfully the FAMAG network of representatives over the past years. In some countries our products are even sold exclusively to specialized dealers, e.g. in Denmark, Belgium, the Netherlands, Switzerland and Italy. Additional sales representations are either in preparation or wanted.

Knowledge. Shared!



We know how to produce a dependable, high-quality standard product as well as to manufacture an excellent custom-made product, but what trade and consumers really appreciate even more, is our friendly and competent customer service. As a FAMAG-customer, you know that we are always ready to listen to you! We are immediately available on the phone ready to take

care of your questions, whether you need information on availability or price of products, on a specific product application or the current delivery status of your order. Usually orders leave our premises the next day – often even the same day – to be available as soon as possible.

"Laughing against all odds" that's what you call a sense of humour. And know-how means that you know how to do it right. You are facing a special application task, yet hesitating which tool you can be successful with? Our experts know what softwood is, are familiar with the most important European as well as exotic hard wood and have a profound knowledge of the appropriate tools to work with. Due to this thorough expertise, they can help you to make the right decision concerning your specific task leading to a desired result. Although our specialists are not 146 years old yet, you can rely on their professional knowledge which is always at your disposal!

We pass this know-how on to our apprentices. We feel obliged to young people to give them a professional education for their future. To start an apprenticeship at the FAMAG-Werkzeugfabrik means to take over tasks independently and under personal responsibility – from the very first day! So please do not be surprised, when every now and then a really young person answers the phone.

If you are looking for a certain FAMAG tool, you will find it in good specialized trade outlets. We are very pleased to recommend a local dealer to you!

Kind regards

Ralf Hunke

Thomas Pomp

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Brand-new: **FAMAG offer PAROLI !**

Please have a look at page 96 ... and the rear side of the catalogue !



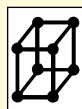
Abbreviations

OØ	outer diameter
IØ	inner diameter
SØ	shank diameter
L	length of shaft/ shank length
OAL	overall length
MC/HS	main cutters
EL	effective length
SL	spiral length
W	weight
T	teeth
R	radius
∠	degrees
Cutting l.	cutting length
max.r.p.m.	maximum acceptable r.p.m.
L1	length of first step
L2	length of second step
D1	core diameter
Lead/1"	no. of threads
PU	packing unit

Info-blocks



The description
of the tool design



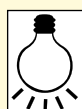
Tool material



Recommended r.p.m. and specific
example for the most common diameters
in the according field of application



Description of application



Practical advice and
specialty of the tool



Packaging unit and information on
individual packaging

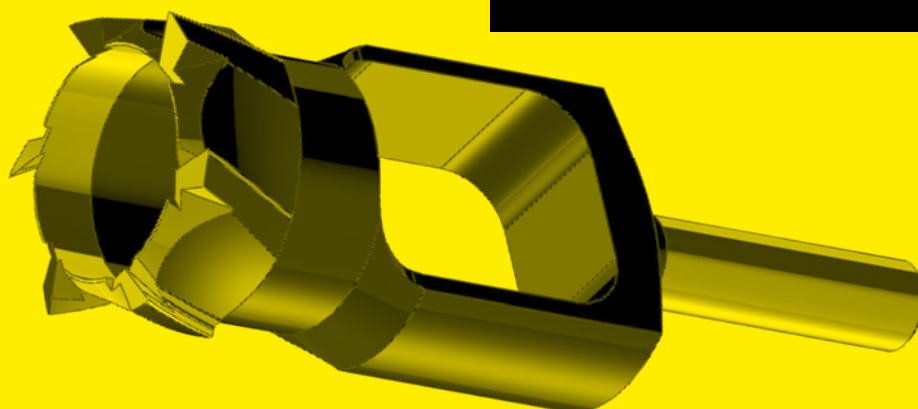
Quality classification

- **quality level hobby:**
reasonable quality tools for the
amateur segment
- **quality level classic:**
for the quality-conscious user
- **quality level profi:**
professional tools for the craftsman
with high demanding requirements
concerning tool and application
- **quality level premium:**
wear-resistant tools of the highest
quality level, even for extreme
conditions of use

Drills and countersinks for wood

5

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1663

○○○○
 Premium

TCT-Bormax³, Forstner bit carbide-tipped

FAMAG
...für Besserbohrer®



Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	MC	€
1663.015	15	8	90	57	1	57,60
1663.016	16	8	90	57	1	59,15
1663.018	18	8	90	57	1	59,15
1663.019	19	8	90	57	1	59,15
1663.020	20	8	90	57	1	59,15
1663.022	22	10	90	57	1	60,75
1663.023	23	10	90	57	1	60,75
1663.024	24	10	90	57	1	60,75
1663.025	25	10	90	57	2	60,75
1663.026	26	10	90	57	2	60,75
1663.028	28	10	90	57	2	62,35
1663.030	30	10	90	57	2	62,35
1663.032	32	10	90	57	2	62,35
1663.035	35	10	90	57	2	65,25
1663.038	38	10	90	57	2	77,45
1663.040	40	10	90	57	2	77,45
1663.044	44	10	90	57	2	106,45
1663.045	45	10	90	57	2	99,95
1663.050	50	10	90	57	2	114,55
1663.054	54	10	90	57	2	150,05
1663.060	60	13	90	57	2	159,95

Sets		€
Order No.	Description	
1663.505	5 pcs. Set in wooden case. Ø 15, 20, 25, 30 and 35 mm	274,50
1663.606	6 pcs. Set in wooden case. Ø 15, 20, 25, 30, 35 and 40 mm	344,20
1663.570	7 pcs. Set in wooden case. Ø 15, 20, 25, 30, 35, 40 and 50 mm	447,25
1663.508	8 pcs. Set in wooden case. Ø 15, 20, 25, 30, 35, 40, 45 and 50 mm	536,90
1663.504	4 pcs. Set in wooden case: Ø 35, 40, 45, 50 mm	321,30

	The first carbide tipped Forstner Bit with brad point, carbide-tipped main cutting edge and carbide-tipped wave-form cutting teeth. Hexagonal shank		Freehand drilling to all types of wood: soft and hard wood, European and exotic (also bongossi), MDF, panel materials, also laminated materials and many plastics
	High quality carbide tipping of the main cutting edge and roughing tap		Really the first universal carbide tipped drill for freehand drilling and of course also for stationary use
	1800 - 5000 min-1. e.g. Ø 35 mm 3000 min-1 in euro. hardwood. Also find details at the speed-diagrams		Packing unit = 1, Blister. EAN

1663.2

 ○○○○
Premium
TCT-Bormax³, Forstner bit carbide-tipped
FAMAG
...für Besserbohrer®

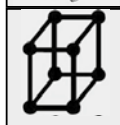

Order No.	O-Ø [mm]	AØ [Inch]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	MC	€
1663.219	15,88	5/8	8	90	57	1	59,50
1663.221	19,05	3/4	8	90	57	1	59,15
1663.223	22,23	7/8	10	90	57	1	60,75
1663.225	25,4	1	10	90	57	2	62,35
1663.227	28,58	1 1/8	10	90	57	2	65,25
1663.229	31,75	1 1/4	10	90	57	2	62,35
1663.231	34,93	1 3/8	10	90	57	2	65,20
1663.233	38,1	1 1/2	10	90	57	2	77,45
1663.237	44,45	1 3/4	10	90	57	2	114,55
1663.241	50,8	2	10	90	57	2	126,00
1663.243	53,98	2 1/8	10	90	57	2	150,05



The first carbide tipped Forstner Bit with brad point, carbide-tipped main cutting edge and carbide-tipped wave-form cutting teeth



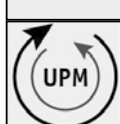
Freehand drilling to all types of wood: soft and hard wood, European and exotic (also bongossi), MDF, panel materials, also laminated materials and many plastics



High quality carbide tipping of the main cutting edge and roughing tap



Really the first universal carbide tipped drill for freehand drilling and of course also for stationary use



1800 - 5000 min-1. e.g. Ø 1 inch 3500 min-1 in euro. hardwood. Also find details at the speed-diagrams



Packing unit = 1, Blister. EAN

1622

Profi

Bormax®, Forstner bit



Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1622.010	10	8	90	57	21,10
1622.012	12	8	90	57	21,10
1622.013	13	8	90	57	21,10
1622.014	14	8	90	57	21,75
1622.015	15	8	90	57	21,30
1622.016	16	8	90	57	21,30
1622.017	17	8	90	57	23,15
1622.018	18	8	90	57	23,15
1622.019	19	8	90	57	27,80
1622.020	20	8	90	57	23,15
1622.021	21	8	90	57	27,80
1622.022	22	10	90	57	25,05
1622.023	23	10	90	57	25,85
1622.024	24	10	90	57	25,85
1622.025	25	10	90	57	26,75
1622.026	26	10	90	57	26,75
1622.027	27	10	90	57	34,50
1622.028	28	10	90	57	30,95
1622.029	29	10	90	57	37,55
1622.030	30	10	90	57	30,95
1622.032	32	10	90	57	30,95
1622.033	33	10	90	57	37,55
1622.034	34	10	90	57	37,55
1622.035	35	10	90	57	37,55
1622.036	36	10	90	57	43,65
1622.038	38	10	90	57	43,65
1622.040	40	10	90	57	43,65
1622.042	42	10	90	57	57,15
1622.043	43	10	90	57	57,15
1622.044	44	10	90	57	57,15
1622.045	45	10	90	57	57,15
1622.046	46	10	90	57	63,40
1622.048	48	10	90	57	63,40
1622.049	49	10	90	57	92,95
1622.050	50	10	90	57	63,40
1622.054	54	10	90	57	102,20
1622.055	55	13	90	57	92,95
1622.058	58	13	90	57	95,35
1622.060	60	13	90	57	96,00

Sets		€
Order No.	Description	
1622.505	5 pcs. Set in wooden case. Ø 15, 20, 25, 30 and 35 mm	125,65
1622.606	6 pcs. Set in wooden case. Ø 15, 20, 25, 30, 35 and 40 mm	164,90
1622.570	7 pcs. Set in wooden case. Ø 15, 20, 25, 30, 35, 40 and 50 mm	221,95
1622.508	8 pcs. Set in wooden case. Ø 15, 20, 25, 30, 35, 40, 45 and 50 mm	273,35
1622.515	15 pcs. Set in wooden case. Ø 10, 12, 15, 16, 18, 20, 22, 25, 26, 28, 30, 35, 40, 45 and 50 mm	425,65
1622.504	4 pcs. Set in wooden case: Ø 35, 40, 45, 50 mm	181,55



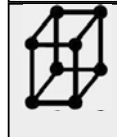

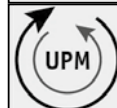

	Forstner Bit with wave-form cutting teeth, two main cutting edges and brad point. Hexagonal shank. Even after regrinding still a Bormax		Rapid drilling in softwood, European hardwood, chipboard, MDF etc. Rapid material removal of solid wood and chipping boards. Clearly less effort is needed and boring is more rapid than with the usual forstner bit
	Alloyed tool steel		Top for freehand drilling and stationary use. Low heat development and therefore unbelievable endurance
	900 - 3200 min-1. e.g. Ø 35 mm 1500 min-1 in construction wood. Also find details at the speed-diagrams		Packing unit = 1, Blister. EAN



Order No.	O-Ø [mm]	AØ [Inch]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1622.215	9,53	3/8	8	90	57	23,45
1622.217	12,7	1/2	8	90	57	23,45
1622.219	15,88	5/8	8	90	57	23,45
1622.220	17,46	11/16	8	90	57	25,45
1622.221	19,05	3/4	8	90	57	25,45
1622.222	20,64	13/16	8	90	57	30,60
1622.223	22,23	7/8	10	90	57	27,60
1622.224	23,81	15/16	10	90	57	28,35
1622.225	25,4	1	10	90	57	29,50
1622.226	26,99	1 1/16	10	90	57	34,50
1622.227	28,58	1 1/8	10	90	57	41,25
1622.228	30,16	1 3/16	10	90	57	34,05
1622.229	31,75	1 1/4	10	90	57	34,05
1622.230	33,34	1 5/16	10	90	57	41,25
1622.231	34,93	1 3/8	10	90	57	37,55
1622.233	38,1	1 1/2	10	90	57	48,05
1622.235	41,28	1 5/8	10	90	57	62,90
1622.237	44,45	1 3/4	10	90	57	62,90
1622.239	47,63	1 7/8	10	90	57	69,75
1622.241	50,8	2	10	90	57	69,75
1622.243	53,98	2 1/8	10	90	57	102,20
1622.245	57,15	2 1/4	13	90	57	105,60

Sets

Order No.	Description	€
1622.605	5 pcs. Set in wooden case. Ø 5/8, 3/4, 1, 1 1/8, 1 3/8 INCH	156,05
1622.607	7 pcs. Set in wooden case. Ø 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1 INCH	156,05
1622.616	16 pcs. Set in wooden case. Ø 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/8, 1 1/4, 1 3/8, 1 7/8, 2, 2 1/8 INCH	647,80

	Forstner Bit with wave-form cutting teeth, two main cutting edges and brad point. Even after regrinding still a Bormax		Rapid drilling in softwood, European hardwood, chipboard, MDF etc. Rapid material removal of solid wood and chipping boards. Clearly less effort is needed and boring is more rapid than with the usual forstner bit
	Alloyed tool steel		Top for freehand drilling and stationary use. Low heat development and therefore unbelievable endurance
	900 - 3200 min-1. e.g. Ø 1 inch 2200 min-1 in construction wood. Also find details at the speed-diagrams		Packing unit = 1, Blister. EAN

1624

○○○
Profi

Pilot guided Bormax®



Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	HS	€
1624.015	15	10	90	57	1	29,95
1624.016	16	10	90	57	1	29,95
1624.018	18	10	90	57	1	31,95
1624.020	20	10	90	57	1	31,95
1624.022	22	10	90	57	1	33,95
1624.025	25	10	90	57	2	35,55
1624.030	30	10	90	57	2	39,75
1624.035	35	10	90	57	2	46,35
1624.040	40	10	90	57	2	52,50
1624.045	45	10	90	57	2	66,95
1624.050	50	10	90	57	2	72,25

Accessory

Order No.	Description	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	HS	€
1624.004	pre-drill bit	4	4	45	30	2	3,45







Sets

Order No.	Description	€
1624.505	5 pcs. Set in wooden case: Ø 15, 20, 25, 30 and 35 mm	165,20
1624.506	6 pcs. Set in wooden case: Ø 15, 20, 25, 30, 35 mm and extension shank 1639.001	185,30
1624.507	7 pcs. Set in wooden case: Ø 16, 18, 20, 22 and 25 mm	147,05
1624.606	6 pcs. Set in wooden case: Ø 15, 20, 25, 30, 35 and 40 mm	212,45
1624.570	7 pcs. Set in wooden case: Ø 15, 20, 25, 30, 35, 40 and 50 mm	277,50
1624.508	8 pcs. Set in wooden case: Ø 15, 20, 25, 30, 35, 40, 45 and 50 mm	337,75
1624.504	4 pcs. Set in wooden case: Ø 35, 40, 45 and 50 mm	214,25

	Bormax with exchangeable brad point, also a pre-drill bit. Included in the delivery: Bormax with exchangeable brad point/pr-drill bit, center point, pre-drill Ø 4 mm and one MEX Key. Hexagonal shank		The pilot-drill bit is ideal for drilling at an angle which is not 90° in workpieces surface, which occurs for example in the construction of staircase. Can be used with the centre point as traditional Bormax.
	Alloyed tool steel, pre-drill bit HSS-G		Clean drilling at many angles in all softwoods, European hardwood, and MDF panels. Very good alternative to expensive machine drill for stairs building article 1575.
	1500 - 3000 min-1. e.g. Ø 20 mm 2400 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. PE tube. EAN



Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1623.010	10	13	120	70	28,75
1623.012	12	13	120	70	28,75
1623.013	13	13	125	75	28,75
1623.014	14	13	125	75	28,75
1623.015	15	13	125	75	26,75
1623.016	16	13	125	75	29,20
1623.018	18	13	130	80	31,25
1623.019	19	13	130	80	33,00
1623.020	20	13	130	80	31,25
1623.021	21	13	130	80	33,00
1623.022	22	13	130	80	31,70
1623.023	23	13	135	85	35,90
1623.024	24	13	135	85	32,70
1623.025	25	13	135	85	33,00
1623.026	26	13	135	85	36,15
1623.027	27	13	135	85	40,95
1623.028	28	13	135	85	37,60
1623.030	30	13	140	90	38,35
1623.032	32	13	140	90	40,95
1623.034	34	13	140	90	49,20
1623.035	35	13	145	95	44,35
1623.036	36	13	145	95	48,50
1623.037	37	13	145	95	52,95
1623.038	38	13	145	95	52,95
1623.040	40	13	145	95	52,95
1623.042	42	13	150	100	63,50
1623.045	45	13	150	100	68,20
1623.050	50	13	155	105	75,20
1623.055	55	13	155	105	110,15
1623.058	58	13	155	105	119,70
1623.060	60	13	155	105	119,70
1623.065	65	13	160	110	141,95
1623.068	68	13	160	110	153,80
1623.070	70	13	160	110	153,80
1623.075	75	13	160	110	186,75
1623.080	80	13	160	110	207,15
1623.085	85	13	160	110	266,30
1623.090	90	16	160	110	309,70
1623.095	95	16	160	110	364,25
1623.100	100	16	160	110	419,65

	Long Forstner Bit with wave-form cutting teeth, two main cutting edges and brad point. Hexagonal shank. Even after regrinding still a Bormax		Rapid drilling in softwood, European hardwood, chipboard, MDF etc. Rapid material removal of solid wood and chipping boards. Clearly less effort is needed and boring is more rapid than with the usual forstner bit
	Alloyed tool steel		Top for freehand drilling and stationary use. Low heat development and therefore unbelievable endurance
	900 - 3200 min-1. e.g. Ø 30 mm 1750 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. Yellow cardboard tube. EAN

1630

Classic

SUPER-Forstner Bit, Classic



Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1630.010	10	8	90	57	14,55
1630.012	12	8	90	57	15,00
1630.014	14	8	90	57	15,65
1630.015	15	8	90	57	16,25
1630.016	16	8	90	57	16,30
1630.018	18	8	90	57	17,35
1630.020	20	8	90	57	18,20
1630.022	22	10	90	57	19,60
1630.024	24	10	90	57	20,75
1630.025	25	10	90	57	22,00
1630.026	26	10	90	57	23,00
1630.028	28	10	90	57	25,45
1630.030	30	10	90	57	26,00
1630.032	32	10	90	57	29,00
1630.034	34	10	90	57	30,30
1630.035	35	10	90	57	31,45
1630.038	38	10	90	57	34,45
1630.040	40	10	90	57	37,70
1630.045	45	10	90	57	46,00
1630.050	50	10	90	57	49,75

Order No.	Description	€
1630.505	5 pcs. Set in wooden case. Ø 15, 20, 25, 30 and 35 mm	102,45
1630.508	8 pcs. Set in wooden case. Ø 15, 20, 25, 30, 35, 40, 45 and 50 mm	222,50
1630.510	10 pcs. Set in wooden case. Ø 10, 15, 18, 20, 22, 25, 26, 30, 35 and 40 mm	226,25
1630.515	15 pcs. Set in wooden case. Ø 10, 12, 15, 16, 18, 20, 22, 25, 26, 28, 30, 35, 40, 45 and 50 mm	340,45

	Traditional forstner Bit with brad point, two main cutting edges and circumference cutter. Low friction due to the reduced peripheral cutting edge.		Tear free accurate holes in softwood, glued laminated timber etc. Specially suitable for freehand boring with a drilling machine
	Alloyed tool steel		This bit obtained the first position in an important test of Forstner bits in the E.E.U.U. published in Fine Woodworking 04.2008. For hardwood we recommend the rapid forstner bit Bormax® of our product line 1622 or the TCT-Bormax³ of our product line 1663
	700 - 2800 min-1. e.g. Ø 35 mm 1000 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN

1630.2



Classic







SUPER-Forstner Bit, Classic

FAMAG®
...für Besserbohrer®


Order No.	O-Ø [mm]	AØ [Inch]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1630.213	6,35	1/4	8	90	57	16,50
1630.215	9,53	3/8	8	90	57	16,50
1630.217	12,70	1/2	8	90	57	17,30
1630.219	15,88	5/8	8	90	57	17,90
1630.221	19,05	3/4	8	90	57	20,10
1630.223	22,23	7/8	10	90	57	21,60
1630.225	25,40	1	10	90	57	24,30
1630.227	28,58	1 1/8	10	90	57	28,05
1630.229	31,75	1 1/4	10	90	57	31,85
1630.231	34,93	1 3/8	10	90	57	31,45
1630.233	38,10	1 1/2	10	90	57	34,40
1630.235	41,28	1 5/8	10	90	57	50,60
1630.237	44,45	1 3/4	10	90	57	50,60
1630.239	47,63	1 7/8	10	90	57	50,60
1630.241	50,80	2	10	90	57	54,70
1630.243	53,98	2 1/8	10	90	57	80,25
1630.245	57,15	2 1/4	10	90	57	82,85

Sets

Order No.	Description	€
1630.607	7 pcs. Set in wooden case. Ø 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1"	120,65
1630.616	16 pcs. Set in wooden case. Ø 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 1, 1 1/8, 1 1/4, 1 3/8, 1 1/2, 1 5/8, 1 3/4, 1 7/8, 2, 2 1/8"	497,60

	Traditional forstner Bit with brad point, two main cutting edges and circumference cutter. Low friction due to the reduced peripheral cutting edge.		Tear free accurate holes in softwood, glued laminated timber etc. Specially suitable for freehand boring with a drilling machine
	Alloyed tool steel		Can be lengthen with extension shank 1639. For hardwood we recommend our fast Forstner bit Bormax®, of our product line 1622 or the carbide tipped TCT-Bormax® of our product line 1663
	500 - 3800 min-1. e.g. Ø 7/8 inch 1400 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN

1633

Classic

SUPER-Cylinder Boring Bit



Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1633.010	10	8	90	57	14,55
1633.012	12	8	90	57	15,00
1633.014	14	8	90	57	15,65
1633.015	15	8	90	57	16,25
1633.016	16	8	90	57	16,30
1633.018	18	8	90	57	17,35
1633.020	20	8	90	57	18,20
1633.022	22	10	90	57	19,60
1633.023	23	10	90	57	20,75
1633.024	24	10	90	57	20,75
1633.025	25	10	90	57	22,00
1633.026	26	10	90	57	23,00
1633.028	28	10	90	57	25,45
1633.030	30	10	90	57	26,00
1633.032	32	10	90	57	29,00
1633.034	34	10	90	57	30,30
1633.035	35	10	90	57	31,45
1633.040	40	10	90	57	37,70
1633.045	45	10	90	57	46,00
1633.050	50	10	90	57	49,75

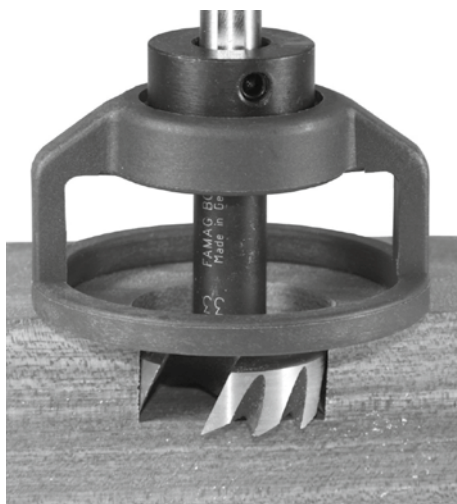
Sets	Order No.	Description	€
	1633.505	5 pcs. Set in wooden case. Ø 15, 20, 25, 30 and 35 mm	102,45
	1633.510	10 pcs. Set in wooden case. Ø 10, 15, 18, 20, 22, 25, 26, 30, 35 and 40 mm	203,35
	1633.515	15 pcs. Set in wooden case. Ø 10, 12, 15, 16, 18, 20, 22, 25, 26, 28, 30, 35, 40, 45 and 50 mm	340,45

	Traditional SUPER-Cylinder Boring Bit with brad point, 2 main edges and 2 cutting lips. Exact grinding, right-hand cut, grey		Tear free accurate holes in softwood, can also be used for European hardwood and veneered boards. Especially easy to sharpen because of the straight cutting lips. With the extension shank 1639 stationary deep-hole drilling is possible
	Alloyed tool steel		Cylinder Boring bit are only suitable for stationary operation. For freehand drilling we recommend our rapid forstner bit Bormax 1622 or the TCT-Bormax ³ 1663.
	700 - 3000 min-1. e.g. Ø 15 mm 2300 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN







1621


 Profi

Depth Stop supported by ball bearing for FAMAG-Forstner bits 1622, 1630, 1663

FAMAG
...für Besserbohrer


Order No.	Description	€
1621.108	Depth Stop for 1622, 1630, 1663, Drills-Ø 10 - 21 mm	38,95
1621.110	Depth Stop for 1622, 1630, 1663, Drills-Ø 28 - 35 mm	38,95
1621.112	Depth Stop for 1622, 1630, 1663, Drills-Ø 28 - 35 mm	38,95
1621.114	Depth Stop for 1622, 1630, 1663, Drills-Ø 36 - 40 mm	38,95
1621.116	Depth Stop for 1622, 1630, 1663, Drills-Ø 42 - 48 mm	38,95
Sätze		
Order No.	Description	€
1621.200	Depth Stop Set for 1622,1630,1633, for drills-Ø 10 - 48 mm, incl a nipper	99,95
Zubehör		
Order No.	Description	€
1621.100	Depth Stop single for 1622, 1630, 1663	26,00
1621.001	Nipper for locking ring	16,95
1621.008	Guide bush I-Ø 8 mm for 1621.100	13,00
1621.010	Guide bush I-Ø 10 mm for 1621.100	13,00
1621.012	Guide bush I-Ø 12 mm for 1621.100	13,00
1621.014	Guide bush I-Ø 14 mm for 1621.100	13,00
1621.016	Guide bush I-Ø 16 mm for 1621.100	13,00

	Depth Stop supported by ball bearing for FAMAG-Forstner bits with exchangeable guide bushings		The depth stop is mounted on the stalk and the drilling depth is adjusted. So it is possible to drill holes exactly always at the same depth. The bushings are rotatably supported by ball-bearings and thus produce no disturbing marks on the workpiece surface.
	Depth Stop of resistant ABS plastic, guide bushing of steel		For larger depths, it is possible to mount the guide bushing in reverse form. So you reach a larger adjustment of the depth stop.
	see speed of Forstner Bit		Packing unit = 1 piece in Rose-box

1010



Classic

Self-Feed bit

FAMAG®
...für Besserbohrer®


Order No.	O-Ø [mm]	AØ [Inch]	S-Ø [mm]	I-Ø [mm]	IØ [Inch]	OAL [mm]	Cutting l. [mm]	€
1010.025	25,4	1	12,7	4,8	3/16	150	120	64,95
1010.029	28,6	1 1/8	12,7	4,8	3/16	150	120	64,95
1010.032	31,8	1 1/4	12,7	4,8	3/16	150	120	64,95
1010.035	35,0	1 3/8	12,7	4,8	3/16	150	120	64,95
1010.038	38,1	1 1/2	12,7	4,8	3/16	150	120	64,95
1010.041	41,3	1 5/8	12,7	4,8	3/16	150	120	74,35
1010.044	44,5	1 3/4	12,7	6,3	1/4	150	120	74,35
1010.051	50,8	2	12,7	6,3	1/4	150	120	74,35
1010.054	54,0	2 1/8	12,7	6,3	1/4	150	120	80,85
1010.057	57,1	2 1/4	12,7	6,3	1/4	150	120	80,85
1010.065	65,1	2 9/16	12,7	6,3	1/4	150	120	93,20
1010.068	68,0	-	12,7	6,3	1/4	150	120	96,70
1010.074	74,0	-	12,7	6,3	1/4	150	120	111,90

Extensions

Order No.	O-Ø [mm]	S-Ø [mm]	I-Ø [mm]	IØ [Inch]	OAL [mm]	Cutting l. [mm]	€
1639.005	22	13	12,7	1/2	125	100	25,75
1639.006	22	13	12,7	1/2	250	220	29,20
1639.008	22	13	12,7	1/2	400	360	42,10

crest of thread

Order No.	O-Ø [mm]	AØ [Inch]	S-Ø [mm]	€
1010.803	4,8	3/16	4,8	9,95
1010.903	6,3	1/4	6,3	9,95

dowel pin with shank dia 4.8mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1010.810	10	4,8	68	25	28,95
1010.811	11	4,8	68	25	28,95
1010.812	12	4,8	68	25	28,95
1010.813	13	4,8	68	25	28,95
1010.814	14	4,8	68	25	28,95
1010.815	15	4,8	68	25	28,95
1010.816	16	4,8	68	25	28,95
1010.818	18	4,8	68	25	28,95
1010.820	20	4,8	68	25	28,95
1010.822	22	4,8	68	25	28,95

dowel pin with shank dia 6.3mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1010.910	10	6,3	68	25	28,95
1010.911	11	6,3	68	25	28,95
1010.912	12	6,3	68	25	28,95
1010.913	13	6,3	68	25	28,95
1010.914	14	6,3	68	25	28,95
1010.915	15	6,3	68	25	28,95
1010.916	16	6,3	68	25	28,95
1010.918	18	6,3	68	25	28,95
1010.920	20	6,3	68	25	28,95
1010.922	22	6,3	68	25	28,95

Sets

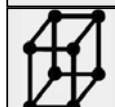
Order No.	Description	€
1010.504	Set in wooden case. Ø 35, 51, 68 mm and Extension OAL 250 mm	274,35



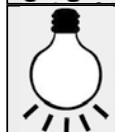
Drill bit with 1 main edge, roughly toothed circumference cutter and changeable dowel pin and brad point. Shank with three clamping surfaces. One rough and one fine screw threading centre point included.



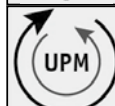
For roughly boring into wooden floor boards, the ceilings of old buildings, gypsum plaster boards etc. in freehand drilling. Using the dowel pin it is also possible to countersink plugs



Tool steel



The speed of the machine gives the speed of the feed. No feed force required, this is great for overhead work.



500 - 1100 min-1. e.g. Ø 68 mm
500 min-1 in softwood. Also find details at the speed-diagrams









Packing unit = 1. Yellow cardboard tube. EAN



Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1662.008	8	10	90	57	48,00
1662.010	10	10	90	57	48,00
1662.011	11	10	90	57	51,10
1662.012	12	10	90	57	51,10
1662.013	13	10	90	57	57,60
1662.014	14	10	90	57	57,60
1662.015	15	10	90	57	57,60
1662.016	16	10	90	57	59,15
1662.017	17	10	90	57	59,15
1662.018	18	10	90	57	59,15
1662.019	19	10	90	57	59,15
1662.020	20	10	90	57	59,15
1662.021	21	10	90	57	60,75
1662.022	22	10	90	57	60,75
1662.023	23	10	90	57	60,75
1662.024	24	10	90	57	60,75
1662.025	25	10	90	57	60,75
1662.026	26	10	90	57	60,75
1662.027	27	10	90	57	78,10
1662.028	28	10	90	57	62,35
1662.029	29	10	90	57	78,10
1662.030	30	10	90	57	62,35
1662.031	31	10	90	57	81,80
1662.032	32	10	90	57	65,25
1662.033	33	10	90	57	70,35
1662.034	34	10	90	57	65,25
1662.035	35	10	90	57	65,25
1662.036	36	10	90	57	65,25
1662.037	37	10	90	57	96,60
1662.038	38	10	90	57	77,45
1662.039	39	10	90	57	96,60
1662.040	40	10	90	57	77,45
1662.042	42	10	90	57	97,10
1662.044	44	10	90	57	106,45
1662.045	45	10	90	57	99,95
1662.046	46	10	90	57	116,00
1662.048	48	10	90	57	120,35
1662.050	50	10	90	57	114,55
1662.055	55	13	90	57	135,95
1662.058	58	13	90	57	154,60
1662.060	60	13	90	57	160,00

Sets

Order No.	Description	€
1662.505	5 pcs. Set in wooden case. Ø 15, 20, 25, 30 and 35 mm	274,50
1662.606	6 pcs. Set in wooden case. Ø 15, 20, 25, 30, 35 and 40 mm	344,20
1662.508	8 pcs. Set in wooden case. Ø 15, 20, 25, 30, 35, 40, 45 and 50 mm	537,15
1662.510	10 pcs. Set in wooden case. Ø 10, 15, 18, 20, 22, 25, 26, 30, 35 and 40 mm	603,05
1662.515	15 pcs. Set in wooden case. Ø 10, 12, 15, 16, 18, 20, 22, 25, 26, 30, 35, 40, 45 and 50 mm	898,10

	Carbide tipped with brad point, 2 main edges, 2 roughing taps. Precisely ground by diamond wheel on CNC machines. High quality carbide tipping and special waved grinding (> Ø 23 mm) on the main edges.		Tear free accurate holes in all types of hardwood, plastic coated chipboards and plastics. Very good material removal because of the waved ground main edges. For stationary use
	High quality carbide tipping		Boring with nearly no effort, also unbelievable endurance when used for hardwood and hard plastics. For freehand drilling we recommend the TCT-Bormax ³ of our product line 1663
	1500 - 8000 min-1. e.g. Ø 35 mm 3000 min-1 in euro. hardwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube (up to Ø 55 mm) . EAN

1661

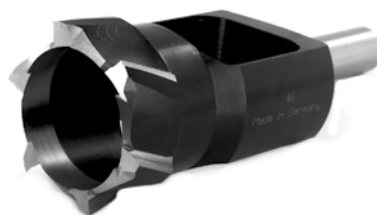
○○○○
Premium

SUPER-Cylinder Boring Bit, carbide-tipped, long version, Precision



Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1661.010	10	13	140	90	72,90
1661.012	12	13	140	90	72,90
1661.014	14	13	140	110	73,95
1661.015	15	13	140	110	73,95
1661.016	16	13	140	110	75,90
1661.018	18	13	140	110	76,75
1661.020	20	13	140	110	79,85
1661.022	22	13	140	110	81,85
1661.024	24	13	140	110	85,75
1661.025	25	13	140	110	87,70
1661.026	26	13	140	110	88,65
1661.028	28	13	140	110	93,65
1661.030	30	13	140	110	95,60
1661.032	32	13	140	110	100,80
1661.035	35	13	140	110	113,80
1661.036	36	13	140	110	120,60
1661.038	38	13	140	110	122,10
1661.040	40	13	140	110	127,70
1661.042	42	16	140	110	140,10
1661.045	45	16	140	110	144,55
1661.050	50	16	140	110	162,70
1661.055	55	16	140	110	188,30
1661.058	58	16	140	110	200,15
1661.060	60	16	140	120	207,25
1661.065	65	16	140	120	221,75
1661.068	68	16	140	120	293,50
1661.070	70	16	140	120	293,50
1661.075	75	16	140	120	343,30
1661.080	80	16	140	120	379,60
1661.085	85	16	140	120	444,75
1661.090	90	20	140	120	485,50
1661.100	100	20	140	120	563,50
1661.120	120	20	140	120	1.074,25
1661.130	130	20	140	120	1.305,50







	Long version, carbide tipped with brad point, 2 main edges, 2 roughing taps. Precisely ground by diamond wheel in CNC machines. High quality carbide tipping and special waved grinding (> Ø 23 mm) on the main edges		Tear free accurate holes in all types of hardwood, plastic coated chipboards and plastics. Only for stationary use
	High quality carbide tipping		For freehand drilling of European hardwood we recommend the long version of Bormax® of our product line 1623
	600 - 6000 min-1. e.g. Ø 68 mm 1300 min-1 in euro. hardwood. Also find details at the speed-diagrams		Packing unit = 1. Yellow cardboard tube (up to Ø 100 mm). EAN



Order No.	I-Ø [mm]	S-Ø [mm]	O-Ø [mm]	AZ	OAL [mm]	Cutting l. [mm]	€
1616.006	6	13	16	4	140	70	69,95
1616.008	8	13	18	4	140	70	69,95
1616.009	9	13	19	4	140	70	82,40
1616.010	10	13	20	4	140	70	57,20
1616.011	11	13	21	4	140	70	82,40
1616.012	12	13	22	4	140	70	61,95
1616.013	13	13	23	4	140	70	82,40
1616.014	14	13	24	4	140	70	61,95
1616.015	15	13	25	4	140	70	61,95
1616.016	16	13	26	4	140	70	66,50
1616.018	18	13	28	4	140	70	66,50
1616.020	20	13	30	4	140	70	66,50
1616.022	22	13	32	4	140	70	73,95
1616.024	24	13	36	5	140	70	97,50
1616.025	25	13	37	5	140	70	74,15
1616.026	26	13	38	5	140	70	107,95
1616.028	28	13	40	5	140	70	107,95
1616.030	30	13	42	5	140	70	80,95
1616.032	32	13	44	5	140	70	123,95
1616.034	34	13	48	6	140	70	123,95
1616.035	35	13	49	6	140	70	89,95
1616.036	36	16	50	6	140	70	133,95
1616.040	40	16	54	6	140	70	102,95
1616.045	45	16	59	6	140	70	114,50
1616.050	50	16	64	6	140	70	129,95
1616.055	55	16	69	6	140	70	196,50
1616.060	60	16	74	6	140	70	196,50
1616.065	65	16	79	6	140	70	295,50
1616.070	70	16	84	8	140	70	295,50
1616.080	80	16	94	9	140	70	381,80

Sets

Order No.	Description	€
1616.505	5 pcs. Set in wooden case. Ø 15, 20, 25, 30 and 35 mm	337,30
1628.306	6 pcs. Set in wooden case with Plug Cutters and Bormax Bits. Ø 15, 20 and 25 mm	246,85
1629.308	8 pcs. Set in wooden case with Plug Cutters and HSS-G Bits. Ø 6, 8, 10 and 12 mm	271,05

	Twofold by robots relief ground main edges and circumference cutters. Effective length of the plug max. 75 mm, if lateral ejection is required the effective length of the plug is max. 40 mm		For the production of plugs for filling knot holes or fixing partial damage of the wood in combination with Bormax®. For precise fitting use FAMAG borers
	Alloyed tool steel		Place 1616 at the edge of the workpiece in a way that the annulus is opened sideways and good removal of the chips is possible
	400 - 1500 min-1. e.g. Ø 15 mm 1000 min-1 in softwood		Packing unit = 1. Rose-box. EAN

1616.2

○○○
Profi

Disc + Plug Cutter



Order No.	I-Ø [mm]	IØ [Inch]	O-Ø [mm]	AZ	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1616.215	9,53	3/8	19,53	4	13	140	70	88,56
1616.217	12,70	1/2	22,70	4	13	140	70	88,56
1616.219	15,88	5/8	25,88	4	13	140	70	88,56
1616.221	19,05	3/4	29,05	4	13	140	70	88,56
1616.223	22,23	7/8	32,23	4	13	140	70	93,51
1616.225	25,40	1	37,40	5	13	140	70	93,51
1616.231	34,93	1 3/8	48,93	6	13	140	70	114,00

	Twofold by robots relief ground main edges and circumference cutters. Effective length of the plug max. 2 inch, if lateral ejection is required the effective length of the plug is max. 1.5 inch		For the production of plugs for filling knot holes or fixing partial damage of the wood in combination with Bormax®. For precise fitting use FAMAG borers
	Alloyed tool steel		Place 1616 at the edge of the workpiece in a way that the annulus is opened sidewise and good removal of the chips is possible
	400 - 1000 min-1. e.g. Ø 1/2 inch 1200 min-1 in softwood		Packing unit = 1. Rose-box. EAN

1616.1

○○○○
Premium

Disc + Plug Cutter, Carbide-tipped



Order No.	I-Ø [mm]	S-Ø [mm]	O-Ø [mm]	AZ	OAL [mm]	Cutting l. [mm]	€
1616.115	15	13	25	4	140	70	167,50
1616.120	20	13	30	4	140	70	173,65
1616.125	25	13	37	5	140	70	179,25
1616.130	30	13	42	5	140	70	184,85
1616.135	35	13	49	6	140	70	189,35
1616.140	40	16	54	6	140	70	207,25
1616.150	50	16	64	6	140	70	268,85







	Twofold by robots relief ground main edges and circumference cutter. Total length 140 mm. Effective length of the plug max. 75 mm, if lateral ejection is required the effective length of the plug is max. 40 mm. Precisely ground by diamond wheel on CNC		For the production of plugs of European and exotic hardwood. Also applicable for some plastics. Long endurance
	High quality carbide tipping		Place 1616 at the edge of the work piece in a way that the outside of the cutter is overlapping the edge, allowing fast chip ejection
	1500 - 2000 min-1. e.g. Ø 15 mm 1800 min-1 in euro. hardwood		Packing unit = 1. Rose-box. EAN



Order No.	I-Ø [mm]	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1639.011	8	16	10	80	50	20,80
1639.003	8	16	10	125	100	23,25
1639.004	8	16	10	250	220	25,75
1639.010	10	16	10	80	50	20,80
1639.001	10	16	10	125	100	23,25
1639.002	10	16	10	250	220	25,75
1639.009	10	22	13	400	360	43,85
1639.007	12	22	13	400	360	42,10
1639.005	13	22	13	125	100	25,75
1639.006	13	22	13	250	220	29,20
1639.008	13	22	13	400	360	42,10

Sätze

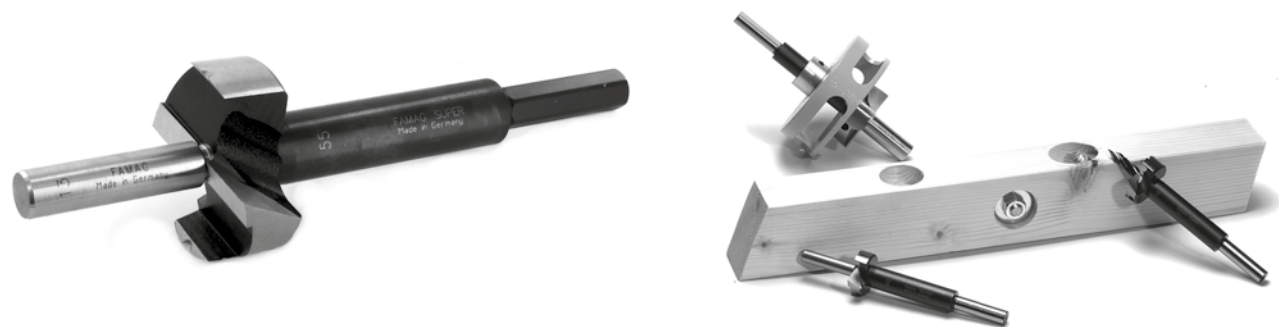
Order No.	Description	€
1639.583	3 pcs. Set in wooden case: IØ 10mm, GL 80, 125, 250	62,85
1639.503	3 pcs. Set in wooden case: IØ 8mm, GL 80, 125, 250	62,85

	Ø of the shank 10 mm, or 13 x 30 mm. With 4 attachment screws for fixing. Solid quality. The shank of Ø 13 mm has 3 clamping surfaces		For the extension of all cylinder boring bits or all tools with Ø of shank 8, 10, 12, 13 mm
	Tool steel		Perfect for drilling deep holes, also for turning. Only limited fit for drilling end grain (especially hardwood) because there is considerable strain on the drill chuck
	in combination with extensions please use less speed		Packing unit = 1. Rose-tube. EAN

1617

Profi

Special Counterbore



Order No.	O-Ø [mm]	S-Ø [mm]	I-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1617.020	20	13	8	140	110	75,55
1617.025	25	13	8	140	110	78,60
1617.030	30	13	8	140	110	87,00
1617.032	32	13	8	140	110	90,90
1617.035	35	13	8	145	115	90,90
1617.040	40	13	8	145	115	99,00
1617.045	45	13	10	150	120	112,00
1617.050	50	13	10	150	125	119,25
1617.055	55	13	10	150	125	130,60
1617.060	60	13	10	150	125	147,50
1617.065	65	13	10	155	130	168,30
1617.070	70	13	10	155	130	189,65
1617.075	75	13	10	155	130	221,00
1617.080	80	13	10	155	130	245,25
1617.085	85	13	10	155	130	315,35
1617.090	90	16	10	155	130	365,65
1617.095	95	16	10	155	130	496,60
1617.100	100	16	10	155	130	496,60
1617.110	110	16	10	155	130	665,35
1617.120	120	16	10	155	130	931,55

Sets

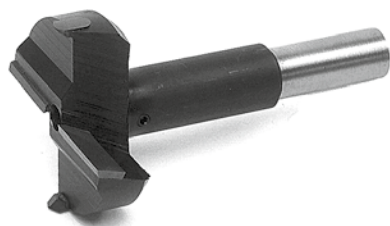
Order No.	Description	€
1617.509	Set in wooden case with adjustable stop and Counterbores: Ø 50, 60, 70 mm and 1619: Ø 14, 18, 22 mm and MK2-fix-adapter	503,80
1617.510	Set in wooden case with Counterbores and auger bits. 1617 Ø 40, 50, 60 mm and 1410.3 and 1619: Ø 12, 14, 18 mm	428,60
1617.511	Set in wooden case with Counterbores and auger bits. 1617 Ø 40, 50, 60 mm and 1410.3 and 1619: Ø 12, 16, 20 mm	435,65

	Cylinder boring bit with centre hole for exchangeable dowel pins or pilot drills. 2 main edges and 2 roughing taps for clean cut. Ø > 50 mm 3 clamping surfaces		For countersinking on a right-angled surface for taking in screws and plugs in wooden constructions. Guidance of the counterbore is granted by the dowel pin or the pilot drill. Please order separately
	Alloyed tool steel		Boring and counterboring in a single operation. Ø 40-90 mm are suitable for bit stop 1619.100. With it you can exactly determine the drilling depth
	300 - 1600 min-1. e.g. Ø 60 mm 500 min-1 in construction wood. Also find details at the speed-diagrams		Packing unit = 1. Yellow cardboard tube (up to Ø 100 mm). EAN

1618

 ○○○○
Premium

Special Counterbore Carbide-tipped

FAMAG®
...für Besserbohrer®


Order No.	O-Ø [mm]	S-Ø [mm]	I-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1618.020	20	13	8	140	110	198,00
1618.025	25	13	8	140	110	214,35
1618.030	30	13	8	140	110	230,50
1618.035	35	13	8	140	110	247,05
1618.040	40	13	8	140	110	295,95
1618.045	45	13	10	140	110	328,55
1618.050	50	13	10	140	110	345,10
1618.055	55	13	10	140	110	361,45
1618.060	60	13	10	140	110	394,10

	Carbide tipped cylinder boring bit with center hole for exchangeable dowel pins or pilot drills. 2 main edges and 2 roughing taps, ground by diamond wheels on CNC-machines for long endurance		For countersinking on a right-angled surface for taking in screws and plugs in wooden constructions. Guidance of the counterbore is reached by the dowel pin or a pilot drill. Please order separately
	High quality carbide tipping		Please order dowel pin or pilot drill separately. Boring and counterboring in one workstep. Intermediate sizes on demand, delivery time approx. 4 weeks
	1500 - 3000 min-1. e.g. Ø 35 mm 2800 min-1 in euro. hardwood. Also find details at the speed-diagrams		Packing unit = 1. Yellow cardboard tube (up to Ø 100 mm). EAN

1469/...

 ○○○○
Premium

Pilot-Drill bit for series 1617 u. 1618

FAMAG®
...für Besserbohrer®


Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1469.008	8	8	67	40	31,65
1469.010	10	8	67	40	34,60
1469.012	12	8	67	40	40,30
1471.010	10	10	70	40	31,55
1471.012	12	10	70	43	36,65

	Carbide tipped pilot drill for 1618/1617 with clamping surface so that the countersink can be securely clamped. Long endurance ensured by high quality carbide tipping and grinding by diamond wheels on CNC-machines		As centring drill in counterbore. Boring and counterboring in a single operation if material is not too thick
	High quality carbide tipping		The 60° rooflike tip assures a tear free bore exit
	See product line 1617/1618		Packing unit = 1. PE box. EAN

1619

Classic

Pilot bit for series 1617 a. 1618



shank Dia 8mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1619.008	8	8	75	50	16,30
1619.110	10	8	75	50	16,30
1619.112	12	8	75	50	17,75
1619.113	13	8	75	50	17,90
1619.114	14	8	75	50	17,90
1619.116	16	8	75	50	19,00
1619.118	18	8	75	50	19,90
1619.120	20	8	75	50	20,75
1619.122	22	8	75	50	24,30

shank Dia 10mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1619.010	10	10	75	50	16,30
1619.012	12	10	75	50	17,75
1619.013	13	10	75	50	17,90
1619.014	14	10	75	50	17,90
1619.016	16	10	75	50	19,00
1619.018	18	10	75	50	19,90
1619.020	20	10	75	50	20,75
1619.022	22	10	75	50	24,30
1619.026	26	10	75	50	25,45
1619.032	32	10	75	50	27,55

	Stepped dowel pin with shank of 8 or 10 mm x 25 mm		For the use of counterbore 1617 or 1618. Ensures the good guidance of the counterbore tools
	Tool steel		Ground slightly undersized so that easy working is ensured. If you want to drill and countersink in a single operation we recommend our product line 1471/1469
	please see Drill range 1617 and 1619		Packing unit = 1. Rose-tube. EAN

1619.100

○○○
Profi

Adjustable stop for Countersink

FAMAG
...für Besserbohrer®

Order No.	O-Ø [mm]	I-Ø [mm]	OAL [mm]	€
1619.100	95	20	40	111,45

	Bit stop of aluminium for FAMAG counterbores with stalk Ø 20mm (1617: Ø 40-90 mm). Coated version with ball bearings and 2 straining screws on the shank		Mounted as bit stop on counterbore 1617 and 1618 during drilling the countersink for washers. Movable on the shank
	Aluminium		Low construction depth enables deep countersinking (e.g. Ø 85 mm max. 70 mm). There remains space for a plug for closing the countersink
	See product line 1617/1618		Packing unit = 1. EAN

1405.210

○○○○
Premium

Depth Guide

FAMAG
...für Besserbohrer®

Order No.	Ø [mm]	OAL [mm]	Cutting l. [mm]	€
D 1405.210	90	320	170	167,50

	Depth guide with two guide rods, retainer for drill machine Ø 43 mm with handle and guide ring (inner Ø 90 mm)		Bit stop which is independent of a tool suitable for boring countersinks for washers. Continuously adjustable depth of sinking by adjusting ring on guide rods
	Tool holder of cast aluminium		Very easy to handle and precisely applicable. The second handle allows for good guidance
	Power drill		Packing unit = 1. EAN

3582

Classic

Self-centring hinge boring bit

...für Besserbohrer®



Order No.	Ø [mm]	S	OAL [mm]	Cutting l. [mm]	€
3582.020	2,0	E 6,3	84	14	16,50
3582.030	2,75	E 6,3	86	14	16,85
3582.035	3,5	E 6,3	95	15	18,05

	Self-centring hinge boring bit for power drill. Equipped with a guide bush containing a spring and core drill HSS with roof tip		The guide bush will be inserted in the screw hole of a fitting or a hinge. The guide bush will centre itself in the screw hole of the fitting or the hinge
	Drill HSS		You can precisely locate the hinge screw using this countersink hole in this hinge
	500 - 1000 min-1. e.g. Ø 2,0 mm 1000 min-1 in MDF		Packing unit = 1. Rose-tube. EAN

3514/...

Classic

Hinge Boring Bit

...für Besserbohrer®



with Bormax head					
Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Shank length [mm]	€
3514.026	26	10x20	60	40	15,90
3514.035	35	10x20	60	40	15,90



in tool-steel					
Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Shank length [mm]	€
3515.026	26	8x20	60	40	10,45
3515.030	30	8x20	60	40	10,80
3515.035	35	8x20	60	40	10,90



tct version						
Order No.	Description	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Shank length [mm]	€
3516.015		15	8x20	60	40	19,85
3516.020		20	8x20	60	40	19,85
3516.025		25	8x20	60	40	19,10
3516.026		26	8x20	60	40	19,10
3516.030		30	8x20	60	40	19,85
3516.035		35	8x20	60	40	19,10
3516.040	discontinued item	40	8x20	60	40	30,90

	Little brad point, roughing tap and two main edges. Improved geometry of the edges		Tear free accurate hinge borings. The tool steel version for uncoated softwood. Bormax®-geometry for coated boards and limited for plastic coated chipboards or MDF. Carbide tipped version can be used without problems for plastic coated materials
	Tool steel or carbide tipped		Only the BORMAX - Geometry tools are suitable for freehand drilling. When using Bormax® at coated boards let running the power drill very slowly so that the teeth can tear open the coating and the drill will not be damaged by too much heat
	1000 min-1 for Tool steel-types. 2500 min-1 for TCT-types. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN



version RH with shank dia 13mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
1607.106	6	13x50	120	40	23,30
1607.108	8	13x50	130	40	24,20
1607.110	10	13x50	140	45	26,40
1607.112	12	13x50	150	50	27,40
1607.114	14	13x50	160	55	28,75
1607.116	16	13x50	170	65	31,95

version RH with shank dia 16mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
1607.206	6	16x50	120	40	23,30
1607.208	8	16x50	130	40	24,20
1607.210	10	16x50	140	45	26,40
1607.212	12	16x50	150	50	27,40
1607.214	14	16x50	160	55	28,75
1607.216	16	16x50	170	65	31,95

Sets

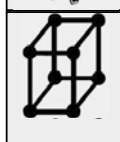
Order No.	Description	€
1607.606	6 pcs. Set in wooden case RH version. Ø 6, 8, 10, 12, 14 and 16 mm	145,65



Two spiraled main edges with stepped parallel shank Ø 13 or 16 mm



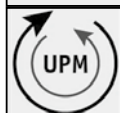
Milling of slots in softwood and limited in European hardwood with a slot boring machine. Higher cutting rate and ideal remove of chips because of the convoluted geometry of the main edges



Alloyed tool steel



Through the wound Spiral runs this drill particularly smoothly and without incommensurable chattering



2500 - 5000 min-1. e.g. Ø 16 mm 2500 min-1 in softwood. Also find details at the speed-diagrams



Packing unit = 1. Rose-tube. EAN

1601/03

Classic

Slot Mortise Bit



version RH with shank dia 13mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
1601.105	5	13x50	115	35	19,05
1601.106	6	13x50	120	35	17,50
1601.107	7	13x50	125	35	17,35
1601.108	8	13x50	130	40	17,35
1601.109	9	13x50	135	40	17,35
1601.110	10	13x50	140	45	16,55
1601.111	11	13x50	145	48	16,90
1601.112	12	13x50	150	50	16,15
1601.113	13	13x50	155	53	17,00
1601.114	14	13x50	160	55	17,35
1601.115	15	13x50	165	58	18,55
1601.116	16	13x50	170	60	19,75
1601.118	18	13x50	180	68	23,10
1601.120	20	13x50	185	70	29,30
1601.122	22	13x50	190	75	42,25
1601.124	24	13x50	195	77	47,95

version LH with shank dia 13mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
1601.405	5	13x50	115	35	19,05
1601.406	6	13x50	120	35	17,50
1601.407	7	13x50	125	35	17,35
1601.408	8	13x50	130	40	17,35
1601.409	9	13x50	135	40	17,35
1601.410	10	13x50	140	45	16,55
1601.411	11	13x50	145	48	16,90
1601.412	12	13x50	150	50	16,15
1601.413	13	13x50	155	53	17,00
1601.414	14	13x50	160	55	17,35
1601.415	15	13x50	165	58	18,55
1601.416	16	13x50	170	60	19,75
1601.418	18	13x50	180	68	23,10
1601.420	20	13x50	185	70	29,30
1601.422	22	13x50	190	75	42,25
1601.424	24	13x50	195	77	47,95

version RH with shank dia 16mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
1601.205	5	16x50	115	35	19,05
1601.206	6	16x50	120	35	17,50
1601.207	7	16x50	125	35	17,35
1601.208	8	16x50	130	40	17,35
1601.209	9	16x50	135	40	17,35
1601.210	10	16x50	140	45	16,55
1601.211	11	16x50	145	48	16,90
1601.212	12	16x50	150	50	16,15
1601.213	13	16x50	155	53	17,00
1601.214	14	16x50	160	55	17,35
1601.215	15	16x50	165	58	18,55
1601.216	16	16x50	170	60	19,75
1601.218	18	16x50	180	68	23,10
1601.220	20	16x50	185	70	29,30
1601.222	22	16x50	190	75	42,25
1601.224	24	16x50	195	77	47,95

version LH with shank dia 16mm







Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	Spiral l. [mm]	€
1601.505	5	16x50	112	35	35	19,05
1601.506	6	16x50	120	35	35	17,50
1601.507	7	16x50	125	35	35	17,35
1601.508	8	16x50	130	40	40	17,35
1601.509	9	16x50	135	40	40	17,35
1601.510	10	16x50	140	45	45	16,55
1601.511	11	16x50	145	48	48	16,90
1601.512	12	16x50	150	50	50	16,15
1601.513	13	16x50	155	53	53	17,00
1601.514	14	16x50	160	55	55	17,35
1601.515	15	16x50	165	58	58	18,55
1601.516	16	16x50	170	60	60	19,75
1601.518	18	16x50	180	68	68	23,10
1601.520	20	16x50	185	70	70	29,30
1601.522	22	16x50	190	75	75	42,25
1601.524	24	16x50	195	77	77	47,95

slot mortise bit RH with long cutters

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1603.216	16	16x50	200	130	65,40

Sets

Order No.	Description	€
1601.606	6 pcs. Set in wooden case RH version. Ø 6, 8, 10, 12, 14 and 16 mm	94,00

	Two straight main edges with chip breaking flutes. With stepped shank Ø 13 or 16 mm		Milling of slots in softwood with a slot boring machine. Due to the special geometry of the head piercing use is possible
	Alloyed tool steel		Not appropriate for hardwood. Limited fit for hardwood is our product line 1607
	2200 - 4000 min-1. e.g. Ø 16 mm 2200 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN

1410



Profi

Auger Bit, Lewis pattern

FAMAG®
...für Besserbohrer®


OAL 235mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
1410.205	5	4,5	235	160	11,60
1410.206	6	5,5	235	160	11,60
1410.207	7	6,5	235	160	11,60
1410.208	8	7,8	235	160	11,60
1410.209	9	8	235	160	11,60
1410.210	10	9,8	235	160	11,60
1410.211	11	9,8	235	160	12,10
1410.212	12	11,8	235	160	12,10
1410.213	13	12,8	235	160	13,25
1410.214	14	13	235	160	13,25
1410.215	15	13	235	160	14,10
1410.216	16	13	235	160	14,10
1410.217	17	13	235	160	15,50
1410.218	18	13	235	160	15,50
1410.219	19	13	235	160	17,15
1410.220	20	13	235	160	17,15
1410.222	22	13	235	160	20,45
1410.224	24	13	235	160	22,15
1410.225	25	13	235	160	25,50
1410.226	26	13	235	160	25,50
1410.228	28	13	235	160	28,50
1410.230	30	13	235	160	31,30
1410.232	32	13	235	160	40,45
1410.234	34	13	235	160	58,95
1410.235	35	13	235	160	65,95
1410.236	36	13	235	160	64,50
1410.238	38	13	235	160	78,40
1410.240	40	13	235	160	87,75
1410.245	45	13	235	160	118,15
1410.250	50	13	235	160	155,70

OAL 320mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
1410.305	5	4,5	320	255	14,95
1410.306	6	5,5	320	255	14,95
1410.307	7	6,5	320	255	14,95
1410.308	8	7,8	320	255	14,95
1410.309	9	8	320	255	14,95
1410.310	10	9,8	320	255	14,95
1410.311	11	9,8	320	255	16,40
1410.312	12	11,8	320	255	16,40
1410.313	13	12,8	320	255	17,65
1410.314	14	13	320	255	17,65
1410.315	15	13	320	255	20,05
1410.316	16	13	320	255	20,05
1410.317	17	13	320	255	21,15
1410.318	18	13	320	255	21,15
1410.319	19	13	320	255	24,60
1410.320	20	13	320	255	24,60
1410.322	22	13	320	255	29,50
1410.324	24	13	320	255	30,30
1410.325	25	13	320	255	34,15
1410.326	26	13	320	255	34,15
1410.328	28	13	320	255	38,00
1410.330	30	13	320	255	40,95
1410.332	32	13	320	255	56,60

OAL 320mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
1410.334	34	13	300	220	80,25
1410.335	35	13	300	220	89,45
1410.336	36	13	300	220	89,45
1410.338	38	13	300	220	118,15
1410.340	40	13	300	220	134,65
1410.345	45	13	300	220	176,80
1410.350	50	13	300	220	228,25

OAL 460mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
1410.405	5	4,5	460	380	19,80
1410.406	6	5,5	460	380	19,80
1410.407	7	6,5	460	380	19,80
1410.408	8	7,8	460	380	19,80
1410.409	9	8	460	380	19,80
1410.410	10	9,8	460	380	19,80
1410.411	11	9,8	460	380	20,30
1410.412	12	11,8	460	380	20,30
1410.413	13	12,8	460	380	23,95
1410.414	14	13	460	380	23,95
1410.415	15	13	460	380	26,95
1410.416	16	13	460	380	26,95
1410.417	17	13	460	380	28,65
1410.418	18	13	460	380	28,65
1410.419	19	13	460	380	31,30
1410.420	20	13	460	380	31,30
1410.421	21	13	460	380	39,10
1410.422	22	13	460	380	39,10
1410.423	23	13	460	380	41,70
1410.424	24	13	460	380	42,55
1410.425	25	13	460	380	48,20
1410.426	26	13	460	380	48,20
1410.427	27	13	460	380	53,55
1410.428	28	13	460	380	53,55
1410.430	30	13	460	380	54,80
1410.432	32	13	460	380	71,00
1410.434	34	13	450	380	108,60
1410.435	35	13	450	380	113,25
1410.436	36	13	450	380	111,25
1410.438	38	13	450	380	153,25
1410.440	40	13	450	380	176,80
1410.445	45	13	450	380	232,80
1410.450	50	13	450	380	300,60

OAL 650mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
1410.608	8	7,8	650	535	27,05
1410.609	9	8	650	535	27,05
1410.610	10	9,8	650	535	27,05
1410.611	11	9,8	650	535	27,90
1410.612	12	11,8	650	535	27,90
1410.613	13	12,8	650	535	33,85
1410.614	14	13	650	535	33,85
1410.615	15	13	650	535	37,95
1410.616	16	13	650	535	37,95
1410.617	17	13	650	535	40,55
1410.618	18	13	650	535	40,55
1410.619	19	13	650	535	46,25
1410.620	20	13	650	535	46,25
1410.621	21	13	650	535	54,60
1410.622	22	13	650	535	54,60
1410.624	24	13	650	535	57,90
1410.625	25	13	650	535	65,20
1410.626	26	13	650	535	65,20
1410.628	28	13	650	535	72,45
1410.630	30	13	650	535	80,30
1410.632	32	13	650	535	99,40
1410.634	34	13	650	535	139,60
1410.635	35	13	650	535	146,55
1410.636	36	13	650	535	144,00
1410.638	38	13	650	535	197,70
1410.640	40	13	650	535	228,25
1410.645	45	13	650	535	300,60
1410.650	50	13	650	535	387,20

Gesamtlänge 1080 mm, Spirallänge 1010 mm:

Order No.	O-Ø [mm]	SØ [mm]	OAL [mm]	Spiral l. [mm]	€
1410.014	14	13	1080	1010	109,50
1410.016	16	13	1080	1010	119,90
1410.018	18	13	1080	1010	131,90
1410.020	20	13	1080	1010	140,25
1410.022	22	13	1080	1010	158,50
1410.024	24	13	1080	1010	173,60

Gesamtlänge 1080 mm, Spirallänge 1010 mm:







Order No.	O-Ø [mm]	SØ [mm]	OAL [mm]	Spiral l. [mm]	€
1410.026	26	13	1080	1010	191,85
1410.028	28	13	1080	1010	205,90
1410.030	30	13	1080	1010	232,00
1410.032	32	13	1080	1010	248,15

OAL 1.000mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
1410.112	12	12	1000	380	84,20
1410.114	14	13	1000	380	84,20
1410.116	16	13	1000	380	87,00
1410.118	18	13	1000	380	88,50
1410.120	20	13	1000	380	91,15
1410.122	22	13	1000	380	97,20
1410.124	24	13	1000	380	100,30
1410.125	25	13	1000	380	109,55
1410.126	26	13	1000	380	109,40
1410.128	28	13	1000	380	115,75
1410.130	30	13	1000	380	115,75
1410.132	32	13	1000	380	129,65
1410.134	34	13	1000	535	154,25
1410.135	35	13	1000	535	161,25
1410.136	36	13	1000	535	161,25
1410.138	38	13	1000	535	220,75
1410.140	40	13	1000	535	255,75
1410.145	45	13	1000	535	336,40
1410.150	50	13	1000	535	437,85

Sets

Order No.	Description	€
1410.200	8 pcs. Set in wooden case with OAL 235 mm. Ø 6, 8, 10, 12, 14, 16, 18 and 20 mm	96,10
1410.201	6 pcs. Set in wooden case with OAL 235 mm. Ø 10, 12, 14, 16, 18 and 20 mm	75,25
1410.300	6 pcs. Set in wooden case with OAL 320 mm. Ø 10, 12, 14, 16, 18 and 20 mm	103,25
1410.400	6 pcs. Set in wooden case with OAL 460 mm. Ø 10, 12, 14, 16, 18 and 20 mm	135,75
1410.600	6 pcs. Set in wooden case with OAL 650 mm. Ø 10, 12, 14, 16, 18 and 20 mm	192,35
1410.303	8 pcs. Set in wooden case with OAL 320 mm. Ø 10, 12, 14, 16, 18, 20, 22 und 24 mm	156,70
1410.403	8 pcs. Set in wooden case with OAL 460 mm. Ø 10, 12, 14, 16, 18, 20, 22 and 24 mm	209,25

	"Lewis" pattern, milled version relief ground by robots, screw threading centre point, main edge and cutting lips of premium quality. HEX shank from Ø 8mm		For boring deep holes in softwood and European hardwood with power drill and joinery machine. < Ø 24 mm can also be used with cordless screw driver
	Alloyed tool steel		By the precise production of the auger bits they can also be used for boring exact holes for stud bolts. For hardwood we recommend our profi product line 1493
	500 - 2800 min-1. e.g. Ø 12 mm 2000 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube up to Ø 36 mm and whole length 650 mm. EAN

1410.4

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Profi

Auger Bit, Lewis pattern

FAMAG
...für Besserbohrer®

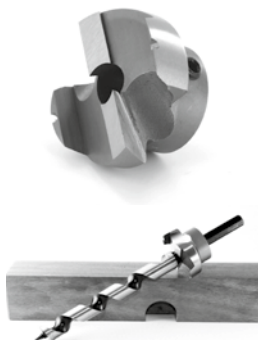
Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
1410.461	11,5	11,5	460	400	25,55
1410.463	13,5	12	460	400	32,75
1410.465	15,5	12	460	400	35,35
1410.467	17,5	12	460	400	40,75
1410.469	19,5	12	460	400	45,55
1410.471	21,5	12	460	400	53,95
1410.473	23,5	12	460	400	62,30

	"Lewis" pattern, milled version relief ground by robots, screw threading centre point, main edge and cutting lips of premium quality. Shank with 3 clamping surfaces		For boring perfectly fitting holes which are slightly smaller than the nominal diameter. Thus tight fit of the stud bolt in the wood is guaranteed
	Alloyed tool steel		When an especially tight fit is required
	1500 - 2500 min-1. e.g. Ø 13,5 mm 2000 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN

1411

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Profi

Countersink for Auger Bits 180°

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...für Besserbohrer®

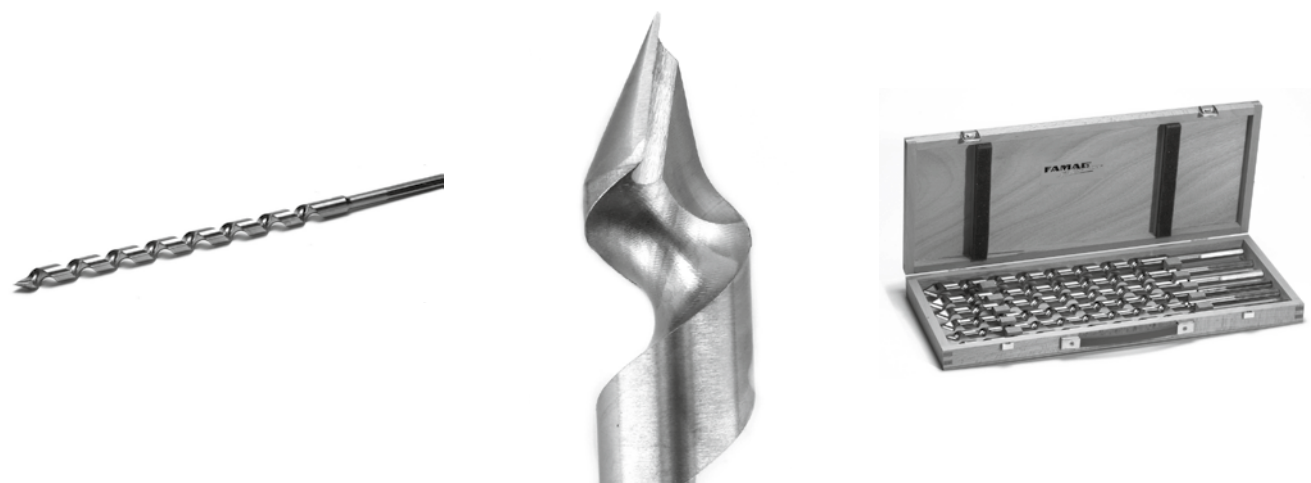
Standard					
Order No.	O-Ø [mm]	IØ [Inch]	OAL [mm]	NL	€
1411.040	40	13	30	30	90,85
1411.050	50	13	30	30	102,75
1411.060	60	13	30	30	131,75
1411.070	70	13	30	30	168,30
Sets					
Order No.	Description				€
1411.200	Combination Set augerbit/ countersink, OAL 235mm, Augerbits 14-16-18 mm and countersinks Ø 40-50-60 mm				411,30
1411.300	Combination Set augerbit/ countersink, OAL 320mm, Augerbits 14-16-18 mm and countersinks Ø 40-50-60 mm				422,10
1411.400	Combination Set augerbit/ countersink, OAL 460mm, Augerbits 14-16-18 mm and countersinks Ø 40-50-60 mm				427,75

	Versions with 2 roughing taps and 2 main edges and center hole Ø 13 mm. With lateral attachment screw for fixing on the shanks of FAMAG auger bits		To fit on FAMAG auger bits with shank Ø 13 mm. Boring and counterboring in a single operation. Recommended for softwood
	Alloyed tool steel		Can be used universally on all FAMAG auger bits with shank Ø 13 mm
	500 - 800 min-1. e.g. Ø 40 mm 800 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-box. EAN

1420

Profi

Special auger bit for joinery machines



Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
1420.412	12	12	460	400	29,55
1420.413	13	13	460	400	35,05
1420.414	14	13	460	400	35,05
1420.415	15	13	460	400	38,80
1420.416	16	13	460	400	38,80
1420.417	17	13	460	400	40,60
1420.418	18	13	460	400	40,60
1420.419	19	13	460	400	44,35
1420.420	20	13	460	400	44,35
1420.421	21	13	460	400	56,25
1420.422	22	13	460	400	56,25
1420.424	24	13	460	400	59,90
1420.425	25	13	460	400	68,15
1420.426	26	13	460	400	68,15
1420.428	28	13	460	400	73,75
1420.430	30	13	460	400	75,60
1420.432	32	13	460	400	95,90

Sets					€
Order No.	Description				
1420.400	6 pcs. set in wooden case. Ø 12 ,14 ,16 ,18, 20 and 22 mm				220,00

	Premium one edged auger bit with special ground bevelled tip and very dimensionally stable spirals. Premium coating to grant minimal friction		For boring into all softwoods at joinery machines. Because of the special stable geometry of the spiral it is also possible to bore exactly to thick joists. Tight fit of stud bolts by permissible minimum dimension of the Ø of the auger bit
	Alloyed tool steel		Due to the special geometry of the head it is especially applicable for boring in planed or finished glued laminated timber. Entry and exit of the borer are considerably cleaner than with an usual auger bit
	2800 - 3600 min-1. e.g. Ø 18 mm 2800 min-1 in construction wood		Packing unit = 1. Rose-tube. EAN









OAL 480 mm

Order No.	O-Ø [mm]	Shank type [mm]	OAL [mm]	Spiral l. [mm]	€
1492.410	10	MK 2	480	380	58,65
1492.412	12	MK 2	480	380	58,65
1492.414	14	MK 2	480	380	65,45
1492.416	16	MK 2	480	380	67,15
1492.418	18	MK 2	480	380	67,15
1492.420	20	MK 2	480	380	67,15
1492.422	22	MK 2	480	380	76,30
1492.424	24	MK 2	480	380	84,70

OAL 680 mm

Order No.	O-Ø [mm]	Shank type [mm]	OAL [mm]	Spiral l. [mm]	€
1492.610	10	MK 2	680	550	85,60
1492.612	12	MK 2	680	550	85,60
1492.614	14	MK 2	680	550	89,40
1492.616	16	MK 2	680	550	98,70
1492.618	18	MK 2	680	550	98,70
1492.620	20	MK 2	680	550	105,20
1492.622	22	MK 2	680	550	110,35
1492.624	24	MK 2	680	550	118,40
1492.626	26	MK 2	680	550	131,15

	"Lewis" pattern with brad point, main edge and roughing tap, morse taper shank no. 2		For boring precisely fitting holes into all European solid woods. For joinery machines taking up MK 2
	Alloyed tool steel		For hard wood and exotic hard wood like Bongossi we recommend the auger bit with knife 1493 of our product line. Greater diameters can be combined with our product line 1410 and MK2-fix adapter (type 1488)
	1250 - 2500 min-1. e.g. Ø 22 mm 1500 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN

1494

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 Premium

Auger Bit carbide tipped

FAMAG®
...für Besserbohrer®


Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
1494.412	12	12	460	400	49,25
1494.414	14	12	460	400	57,10
1494.416	16	12	460	400	64,60
1494.418	18	12	460	400	68,35
1494.419	19	12	460	400	74,50
1494.420	20	12	460	400	74,50
1494.424	24	12	460	400	101,45
1494.425	25	12	460	400	101,45

Spare part: crest of thread or triangular

Order No.	Description	O-Ø [mm]	€
1494.903	crest of thread fits at auger bits Ø 7 - 14 mm	3	6,40
1494.901	crest of thread fits at auger bits Ø 16 - 18 mm	4	6,40
1494.902	crest of thread fits at auger bits Ø 20 - 24 mm	5	6,40
1494.906	Triangular fits at auger bits Ø 7 - 14 mm	3	6,40
1494.905	Triangular fits at auger bits Ø 16 - 18 mm	4	6,40
1494.904	Triangular fits at auger bits Ø 20 - 24 mm	5	6,40

	Specially formed channel for removing chips, teflon-coated, changeable loadscrew HSS, two carbide tipped main edges, protruding cutting edges and parallel shank with 3 clamping surfaces. Ground by diamond wheels on CNC-machines		For boring precisely fitting holes to hardwood. For exotic hardwood like Bongossi we recommend auger bit 1493. Also applicable with a powerful joinery machine for boring cross-grained hardwood
	High quality carbide tipping, changeable crest of thread HSS		Unbelievable endurance to hardwood. For boring to cross-grained hardwood (Ø 20 mm) the machine should have a turning moment of 50 NM
	1750 - 3000 min-1. e.g. Ø 18 mm 2250 min-1 in Europe hardwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN









Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
1493.408	8	8	460	380	31,60
1493.410	10	10	460	380	31,60
1493.412	12	12	460	380	32,50
1493.414	14	13	460	380	38,30
1493.416	16	13	460	380	43,25
1493.418	18	13	460	380	45,85
1493.420	20	13	460	380	50,10
1493.422	22	13	460	380	62,40
1493.424	24	13	460	380	68,10
1493.426	26	13	460	380	77,15
1493.428	28	13	460	380	85,60
1493.430	30	13	460	380	87,60

Sets

Order No.	Description	€
1493.400	6 pcs. in wooden case. Ø 10, 12, 14, 16, 18 and 20 mm	217,30

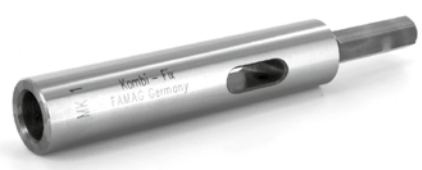


	"Lewis" pattern with rough brad point, main edge and bottom blade		For boring deep holes into all hardwoods and also into Bongossi
	Alloyed tool steel		Low heat development and therefore long endurance because of the special knife. For boring into softwood we recommend the version 1410
	700 - 2250 min-1. e.g. Ø 12 mm 1500 min-1 in Europe hardwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN

1488/89

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Profi

Special Adapter



Kombifix version

Order No.	I-Ø [mm]	Shank type [mm]	OAL [mm]	UL [mm]	€
1489.001	MK 1	10	110	90	54,05
1489.002	MK 2	13	130	100	57,10

ZB-fix version

Order No.	I-Ø [mm]	Shank type [mm]	OAL [mm]	UL [mm]	€
1489.613	13	ZB	120	60	58,85

MK 2-fix version

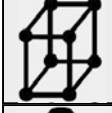
Order No.	I-Ø [mm]	Shank type [mm]	OAL [mm]	UL [mm]	€
1488.210	10	MK 2	120	40	41,45
1488.212	12	MK 2	120	40	41,45
1488.213	13	MK 2	120	40	41,45



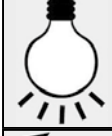
Adapter, external MK2 or Mafell-ZB (inside cylindrical) with two attachment screws. Kombi-Fix inside MK, external cylindrical hexagon



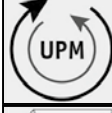
For joinery machines taking up MK2/Mafell-ZB so that cylindrical borers can be held. For all FAMAG cylinder boring bits and auger bits, etc.



Alloyed tool steel



With this adapter it is possible to use low-price borers with parallel shank for machines using MK2/Mafell-ZB









find recommended r.p.m. at the corresponding tools



Packing unit = 1. Rose-tube. EAN



Order No.	O-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1014.608	8	600	550	20,80
1014.610	10	600	550	20,80
1014.612	12	600	550	22,40
1014.614	14	600	550	23,55
1014.616	16	600	550	25,55
1014.618	18	600	550	28,35
1014.620	20	600	550	31,20
1014.622	22	600	550	34,25
1014.624	24	600	550	37,70
1014.626	26	600	550	41,40
1014.628	28	600	550	45,20
1014.630	30	600	550	49,85
1014.632	32	600	550	54,55
1014.634	34	600	550	69,00
1014.636	36	600	550	77,90
1014.638	38	600	550	89,10

	"Lewis" pattern, with threaded point, one main edge and one roughing tap. With lug for wooden handle		For boring deep holes in softwood and depending on the diameter also limited to European hardwood
	Alloyed tool steel		Use beech handles.
	show what you can		Packing unit = 1. Yellow cardboard tube. EAN

1403/...

Premium

Drill Rig for Auger Bits



rigidly coupled version

Order No.	Fixture	Drill bushing plate	for drill length [mm]	Drilling depth [mm]	max. clamping		Foot measure outside [mm]	Foot measure inside [mm]	OAL [mm]	€
					width [mm]	height [mm]				
D 1403.320	-	inkl.	320	190	-	-	200 x 150	155 x 100	~490	278,90
D 1403.322	inkl.	inkl.	320	190	0 - 90	-	200 x 150	155 x 100	~490	349,65
D 1403.460	-	inkl.	460	310	-	-	200 x 150	155 x 100	~630	278,90
D 1403.462	inkl.	inkl.	460	310	0 - 90	-	200 x 150	155 x 100	~630	349,65
D 1403.650	-	inkl.	650	460	-	-	200 x 150	155 x 100	~810	278,90
D 1403.652	inkl.	inkl.	650	460	0 - 90	-	200 x 150	155 x 100	~810	349,65

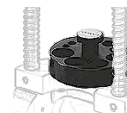
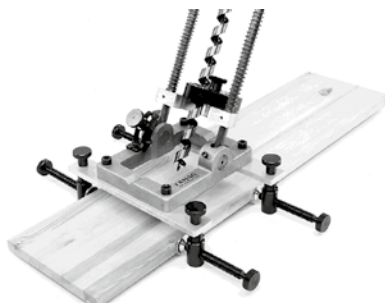
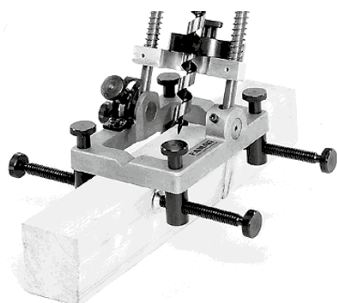
pivoting version

Order No.	Fixture	Drill bushing plate	for drill length [mm]	Drilling depth [mm]	max. clamping		Foot measure outside [mm]	Foot measure inside [mm]	OAL [mm]	€
					width [mm]	height [mm]				
D 1404.320	-	inkl.	320	160	-	-	200 x 150	155 x 100	~490	437,85
D 1404.322	inkl.	inkl.	320	160	0 - 90	-	200 x 150	155 x 100	~490	507,90
D 1404.460	-	inkl.	460	250	-	-	200 x 150	155 x 100	~630	437,85
D 1404.462	inkl.	inkl.	460	250	0 - 90	-	200 x 150	155 x 100	~630	507,90
D 1404.650	-	inkl.	650	430	-	-	200 x 150	155 x 100	~810	437,85
D 1404.652	inkl.	inkl.	650	430	0 - 90	-	200 x 150	155 x 100	~810	507,90

rigidly coupled small version

Order No.	Fixture	Drill bushing plate	for drill length [mm]	Drilling depth [mm]	max. clamping		Foot measure outside [mm]	Foot measure inside [mm]	OAL [mm]	€
					width [mm]	height [mm]				
D 1405.210	-	-	max. 240	210	-	-	Ø 150	Ø 90	~330	167,50
D 1405.320	-	-	max. 350	320	-	-	200 x 150	155 x 100	~490	217,25

	With additional handle, two continuously adjustable bit stops, two spiral springs for drawing back the power drill and with adjustable plate for the drill bush so that precise boring is possible		Precise drilling in set angle 90° (fix model). The pivoted version can pivot through to 45°. Additional guidance by drill bushing plates. Easy drawing back of the power drill by spiral springs
	Tool holder of aluminium cast		For power drills 43 mm. For borers Ø 8, 10, 12, 14, 16, 18, 20, 22, 24, 26 mm. Version with two solid guide rods
			Packing unit = 1. Cardboard. EAN









Accessory

Order No.	Description	max. clamping width [mm]	€
D 1402.000	Fixture	0 - 90	73,75
D 1402.901	Tails for broadening	200	38,70

Bohrbuchsenteller

Order No.	Description	€
D 1400.903	with 10 bores, Ø 8, 10, 12, 14, 16, 18, 20, 22, 24 and 26 mm	41,10
D 1400.904	with 10 bores, Ø 6, 7, 8, 9, 10, 11, 13, 15, 17, 19 mm	41,10

	Fixture (1402.000): composed of 4 clamping devices, browned, stable version. broadening rails (1402.901): aluminium. Drill bushing plate (1400.904): with 10 boreholes for auger bits 6, 7, 8, 9, 10, 11, 13, 15, 17, 19 mm. Drill bushing plate.		1402.000: mountable to all FAMAG drill rigs with square foot. 1402.901: mountable to all FAMAG drill rigs with square foot, with and without fixture. 1400.904: especially for boring holes for rafter nails and intermediate sizes. 1400.903: adjustable drill
	1402.000: steel. 1402.901: aluminium. 1400.904: steel. 1400.903: steel		1402.901: particular beamy workpieces can be gripped as well. 1400.904: Easy mounting alleviates swapping of the plates
	~		Packing unit = 1. Cardboard. EAN

1406

Premium

Drill Rig for stairs building



Order No.	Fixture	for drill length [mm]	Drilling depth [mm]	max. clamping width [mm]	Foot measure outside [mm]	Foot measure inside [mm]	OAL [mm]	€
D 1406.320		max. 350	320		200 x 150	155 x 100	~490	278,90
D 1406.322	inkl.	max. 350	320	0 - 90	200 x 150	155 x 100	~490	349,65

	With additional handle, continuously adjustable bit stop and pivoting range up to 45°. Easy locking by clamping lever		Precise drilling in set angle 90° - 45° especially for the construction of stairs. Accurate holes through stable guidance of the drill
	Tool holder of cast aluminium		By pivoting fixture also for curved cheeks applicable. For staircase > 45° please put a shim.
			Packing unit = 1. Cardboard. EAN

1575

Profi

Machine Drill for construction of stairs



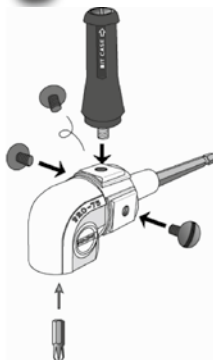
Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	CPL [mm]	€
1575.010	10	13x50	160	85	11	56,65
1575.012	12	13x50	170	100	12	56,65
1575.013	13	13x50	180	110	13	59,40
1575.014	14	13x50	180	105	13	59,40
1575.015	15	13x50	190	120	14	65,60
1575.016	16	13x50	190	120	14	65,60
1575.018	18	13x50	200	130	15	71,70
1575.020	20	13x50	210	135	16	81,30
1575.022	22	13x50	220	140	18	111,50
1575.024	24	13x50	240	160	19	138,90
1575.025	25	13x50	240	170	19	156,10
1575.026	26	13x50	240	160	20	172,50
1575.028	28	13x50	250	180	21	184,80
1575.030	30	13x50	250	180	23	202,75

	Drill bit with extra long brad point (ground three-edged), two main edges, two roughing taps, four spiral grooves		For boring piling fences into stringers or handrails of staircases. Only limitedly recommended for hardwood
	Tool steel		Better results by the three-edged brad point than by the four-edged. For hardwood we recommend the TCT-Bormax ³ 1663 combined with a drill rig
	800 - 2500 min-1. e.g. Ø 16 mm 2000 min-1 in softwood		Packing unit = 1. Rose-tube. EAN







1597.750


 Profi

L-Shaped Driver PR075

FAMAG®
...für Besserbohrer®


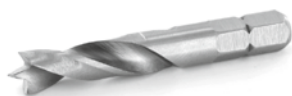
Order No.	Bit [mm]	Angle [°]	Height [mm]	€
1597.750	6,3	90°	40	89,10
Sets				
Order No.	Description			€
1597.757	Pro75 set in wooden case in version wood working. 1596 Ø 3, 4, 5, 6 mm, countersink, chuck and bits			113,70
1597.758	Pro75 set in wooden case in version metal working. 2596 Ø 3, 4, 5, 6 mm, countersink, chuck and bits			113,70
1597.612	13 pcs. set in bag. Type 1596 Ø 3, 4, 5, 6, 8, 10 mm, 3532 and cuck			137,40
1597.613	13 pcs. set in bag. Type 1597 Ø 3, 4, 5, 6, 8, 10 mm, 3532 and cuck			140,40

	Stable L-shaped driver with casing made of aluminium and bevel toothed metal gear wheels (ideal transmission). Take up for all 1/4" bits and boring tools (e.g. 1596) with hex shank. Angle of screwing 90°, exchangeable plastic handle		Professional screwing and drilling also in deep angles with cordless screwdriver
	Casing made of aluminium		It's ideal for making screwed connections with a cordless screwdriver even when there is little space. Fine in combination with 1596/2596
	Rotational speed of cordless screwdriver max 2000 min-1		Packing unit = 1, Blister. EAN

1596

○○○
Profi

Machine Drill with brad point, cutting lips and bit shank

FAMAG
...für Besserbohrer®

Order No.	O-Ø [mm]	Shank type [mm]	OAL [mm]	Cutting l. [mm]	€
1596.030	3	C 6,3	38	16	6,60
1596.035	3,5	C 6,3	40	18	6,60
1596.040	4	C 6,3	44	20	6,60
1596.045	4,5	C 6,3	46	24	6,80
1596.050	5	C 6,3	50	26	6,80
1596.055	5,5	C 6,3	50	26	7,30
1596.060	6	C 6,3	50	26	7,30
1596.065	6,5	C 6,3	50	30	7,30
1596.070	7	C 6,3	50	30	7,30
1596.075	7,5	C 6,3	51	32	9,15
1596.080	8	C 6,3	51	32	9,15
1596.085	8,5	C 6,3	53	33	9,90
1596.090	9	C 6,3	53	33	11,20
1596.095	9,5	C 6,3	54	38	11,20
1596.100	10	C 6,3	54	38	11,20

Sets

Order No.	Description	€
1596.508	9 pcs. set in wooden case. Ø 3, 4, 5, 6, 7, 8, 9 and 10 mm and bitholder	62,65
1596.805	5 pcs. packed in blister. Ø 3, 4, 5, 6 and 8 mm	32,70







	Bit (C6,3) with brad point, two main edges, two cutting lips and hex shank for bit holder (1/4"; C 6,3)		For predrilling, boring all wooden materials and many plastics
	HSS-G		Good handling with cordless screwdriver. The specially smooth chip flutes result in good chip removing. Also deliverable as twist drill version 2596
	Maximum rotational speed of the cordless screwdriver: recommended 3000 min-1		Packing unit = 1. Rose-tube. EAN



Order No.	O-Ø [mm]	Shank type [mm]	OAL [mm]	Cutting l. [mm]	€
1597.030	3	C 6,3	70	45	7,80
1597.035	3,5	C 6,3	70	45	7,80
1597.040	4	C 6,3	75	50	7,65
1597.045	4,5	C 6,3	80	55	7,65
1597.050	5	C 6,3	86	61	7,55
1597.055	5,5	C 6,3	93	68	7,35
1597.060	6	C 6,3	93	68	7,35
1597.065	6,5	C 6,3	101	76	7,30
1597.070	7	C 6,3	109	84	7,85
1597.075	7,5	C 6,3	109	84	9,15
1597.080	8	C 6,3	117	92	9,15
1597.085	8,5	C 6,3	117	92	9,90
1597.090	9	C 6,3	125	100	11,20
1597.100	10	C 6,3	133	108	11,20
1597.110	11	C 6,3	142	117	14,15
1597.120	12	C 6,3	151	126	15,50
1597.130	13	C 6,3	151	126	16,65

Sets

Order No.	Description	€
1597.805	5 pcs. packed in blister. Ø 3, 4, 5, 6 and 8 mm	35,45
1597.507	7 pcs. set in wooden case: Ø 3, 4, 5, 6, 8, 10, 12 mm	54,95
1597.511	11 pcs. set in wooden case: Ø 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 mm	104,15

	Bit (E 6,3) with brad point, two main edges, two cutting lips and hex shank for bit holder (1/4"; E 6,3)		For fast predrilling and countersinking of screw connections with flat head. Boring and countersinking in all wooden materials and many plastics
	HSS-G		Good handling with cordless screwdriver. Also available as twist drill version 2596
	Maximum rotational speed for the cordless screwdriver: recommended 3000 min-1		Packing unit = 1. Rose-tube. EAN

1594

○○○○
Premium

Machine Drill with brad point and cutting lips, HSS



Order No.	Description	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1594.020		2,0	2,0	49	22	6,70
1594.025		2,5	2,5	57	25	6,70
1594.030		3,0	3,0	60	33	5,35
1594.035		3,5	3,5	70	39	5,80
1594.040		4,0	4,0	75	43	5,80
1594.045		4,5	4,5	80	47	6,10
1594.050		5,0	5,0	85	52	6,10
1594.055		5,5	5,5	92	57	6,40
1594.060		6,0	6,0	92	57	6,55
1594.065		6,5	6,5	100	63	7,50
1594.070		7,0	7,0	108	69	7,80
1594.075		7,5	7,5	108	69	8,95
1594.080		8,0	8,0	115	75	8,65
1594.085		8,5	8,5	115	75	9,60
1594.090		9,0	9,0	125	81	10,50
1594.095		9,5	9,5	125	81	11,75
1594.100		10,0	10,0	130	87	11,95
1594.105		10,5	10,5	130	87	16,95
1594.110		11,0	11,0	140	94	15,50
1594.115		11,5	11,5	140	94	19,95
1594.120		12,0	12,0	150	101	18,50
1594.125		12,5	12,5	150	101	22,50
1594.130		13,0	13,0	150	101	19,95
1594.140		14,0	13,0	160	108	27,45
1594.150		15,0	13,0	168	114	31,15
1594.160		16,0	13,0	176	120	34,30
1594.165		16,5	13,0	180	120	44,95
1594.180		18,0	13,0	190	130	42,20
1594.200	now available in racy	20,0	13,0	200	140	49,20

Sets		
Order No.	Description	€
1594.805	5 pcs. in an blister. Ø 3, 4, 5, 6 and 8 mm	32,35
3575.504	6 pcs. In wooden case. Type 1594 Ø 3, 4, 5, 6, 8 mm and VARIO Countersink 2204 (180°)	59,15
1594.507	7 pcs. in wooden case: Ø 3, 4, 5, 6, 8, 10, 12 mm	65,50
1594.510	10 pcs. in wooden case. Ø 3, 4, 5, 6, 8, 10, 12, 13, 14 and 16 mm	139,95
1594.819	19 pcs. in Rose plastic box. Ø 1 - 10 mm, 0,5 mm steps	123,65

	Premium version of fully ground quality with two main edges and two cutting lips. Special internally ground spiral for very good chip removal. Ground by robots on CNC-machines		For exact drilling into all wooden materials, hardwood and laminated boards. Shank constructed for drill chuck Ø 13 mm
	HSS-G		Premium quality and a fair price. Specially designed chip flutes guarantees good chip removal
	2400 - 8000 min-1. e.g. Ø 4 mm 5000 min-1 in Europe hardwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN

1595

 ○○○○
 Premium

Machine Drill with brad point and cutting lips, left direction

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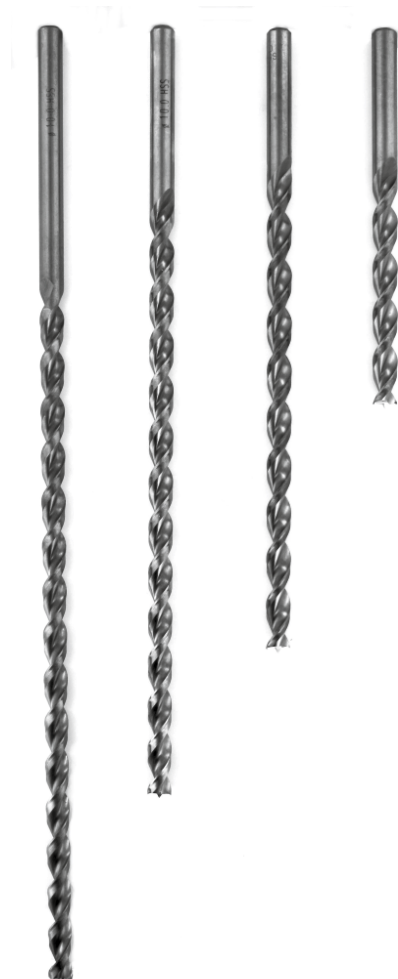

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1595.020	2,0	2,0	49	22	12,05
1595.025	2,5	2,5	57	25	12,05
1595.030	3,0	3,0	60	33	10,15
1595.035	3,5	3,5	70	39	10,80
1595.040	4,0	4,0	75	43	10,80
1595.045	4,5	4,5	80	47	11,55
1595.050	5,0	5,0	85	52	11,55
1595.060	6,0	6,0	92	57	12,25
1595.070	7,0	7,0	108	69	14,00
1595.080	8,0	8,0	115	75	15,10
1595.090	9,0	9,0	125	81	18,85
1595.100	10,0	10,0	130	87	20,30

	First class version left hand cut, fully ground quality with two main edges and two cutting lips. Internally ground special spiral for very good chip removal, ground by robots on CNC-machines		For exact drilling into all wooden materials, hardwood and laminated boards. Shank constructed for drill chuck Ø 13 mm. Left hand cut
	HSS-G		Premium quality and a fair price. Specially designed chip flutes guarantees good chip removal
	3000 - 8000 min-1. e.g. Ø 5 mm 4500 min-1 in Europe hardwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN

1599

 ○○○○
Premium

Machine Drill with brad point and cutting lips, extra long

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OAL 150 mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1599.103	3	3	150	100	10,50
1599.104	4	4	150	100	11,60
1599.105	5	5	150	100	12,25
1599.106	6	6	150	100	13,00
1599.107	7	7	150	100	16,90
1599.108	8	8	150	100	16,90
1599.109	9	9	150	100	17,90
1599.110	10	10	150	100	19,60
1599.111	11	11	150	100	22,20

OAL 250 mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1599.203	3	3	250	200	14,15
1599.204	4	4	250	200	16,70
1599.205	5	5	250	200	19,05
1599.206	6	6	250	200	21,35
1599.207	7	7	250	200	27,55
1599.208	8	8	250	200	27,55
1599.209	9	9	250	200	30,75
1599.210	10	10	250	200	33,45
1599.211	11	11	250	200	38,55
1599.212	12	12	250	200	42,45
1599.213	13	13	250	200	45,05
1599.214	14	13	250	200	48,80
1599.215	15	13	250	200	56,00
1599.216	16	13	250	200	61,70

OAL 315 mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1599.303	3	3	315	250	18,45
1599.304	4	4	315	250	21,75
1599.305	5	5	315	250	24,80
1599.306	6	6	315	250	27,75
1599.307	7	7	315	250	35,80
1599.308	8	8	315	250	35,80
1599.309	9	9	315	250	39,95
1599.310	10	10	315	250	43,50
1599.311	11	11	315	250	50,05
1599.312	12	12	315	250	55,25
1599.313	13	13	315	250	58,55
1599.314	14	13	315	250	64,50
1599.315	15	13	315	250	75,05
1599.316	16	13	315	250	87,45

OAL 400 mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1599.403	3	3	400	300	23,95
1599.404	4	4	400	300	28,30
1599.405	5	5	400	300	32,25
1599.406	6	6	400	300	36,10
1599.407	7	7	400	300	46,50
1599.408	8	8	400	300	46,50
1599.409	9	9	400	300	51,95
1599.410	10	10	400	300	56,55
1599.411	11	11	400	300	65,00
1599.412	12	12	400	300	71,80
1599.413	13	13	400	300	76,15
1599.414	14	13	400	300	83,80
1599.415	15	13	400	300	97,55
1599.416	16	13	400	300	113,60

Sätze

Order No.	Description	€
1599.507	7 pcs. Set in wooden case: GL 250 mm, NL 200 mm. Ø 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 mm	157,10
1599.510	10 pcs. Set in wooden case: GL 150 mm, NL 100 mm. Ø 3, 4, 5, 6, 8, 10, 12 mm	140,55

	First class version extra long, fully ground quality with two main edges and two cutting lips. Internally ground special spiral for very good chip removal, ground by robots on CNC-machines
	For exact drilling to all wooden materials, hardwood and laminated boards. Special designed chip flutes guarantee good chip removal.
	HSS-G
	Premium quality and a fair price. Because of the specially designed chip flutes it is ideal for drilling deep holes
	2500 - 4000 min-1. e.g. Ø 5 mm 4000 min-1 in Europe hardwood. small Ø with long OAL use with less speed
	Packing unit = 1. Rose-tube. EAN







2470


 Premium

Special drill for wood and metal, HSS-G

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Order No.	Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
2470.308	8	8	300	240	86,50
2470.310	10	10	300	240	92,05
2470.312	12	12	300	240	121,80
2470.316	16	13	340	280	148,85
2470.320	20	13	340	280	189,40

	Spiral drill for wood and metal, fully ground and with special brad point. Special ground spiral for the very good chip removal and high rigidity. Ground by CNC-machines.		For extremely dimensionally accurate holes in metal-wood connections. Through the specially designed spiral it is possible to receive a good chip removal and the best results in deep holes.
	HSS-G		For best results, use the recommended speed. Please do not work at low speeds because the spiral form can cause a forward spin, which can easily reach to break
	1000 - 1500 min-1, e.g. Ø 8 mm, 2000 min-1		Packing unit = 1. PE tube. EAN

1590


 Classic







Machine Drill with brad point and cutting lips

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...für Besserbohrer®


Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1590.030	3	3	61	33	3,55
1590.040	4	4	75	43	3,60
1590.050	5	5	86	52	3,80
1590.060	6	6	93	57	3,80
1590.070	7	7	109	69	4,45
1590.080	8	8	117	75	4,45
1590.090	9	9	120	80	4,75
1590.100	10	10	129	87	5,45
1590.110	11	10	142	89	6,55
1590.120	12	10	151	96	7,30
1590.130	13	10	151	96	8,45
1590.140	14	10	151	96	9,05
1590.150	15	10	160	100	10,70
1590.160	16	10	160	100	13,00
1590.180	18	10	180	130	23,60
1590.200	20	10	200	135	24,95

Sätze

Order No.	Description	€
1590.805	5 pcs. In an blister. Ø 3, 4, 5, 6 and 8 mm	17,50
1590.507	7 pcs. In wooden case: Ø 3, 4, 5, 6, 8, 10, 12 mm	38,65
1590.511	11 pcs. In wooden case: Ø 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 mm	54,95

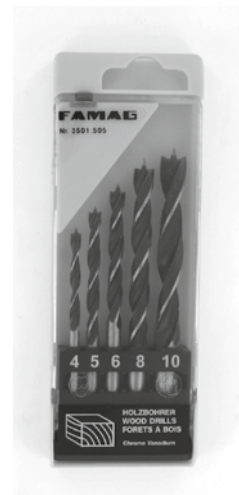
	With brad point, two main edges and two cutting lips. Up to Ø 10 mm cylindric, > Ø 10 mm Ø of shank 10 mm		For exact drilling into softwood and some European hardwood. Recommended e.g for cordless screwdriver and softwood
	Chrome vanadium steel		The low-cost machine drill with cutting lips. For higher demands we recommend our product line 1594 HSS-G with cutting lips
	1400 - 5000 min-1. e.g. Ø 5 mm 5000 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN

Technical changing or mistakes reserved! All prices are recommended retail prices additionally value added tax.

3500

Hobby

Machine Drill with brad point



Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
3500.030	3	3	61	33	2,30
3500.040	4	4	75	43	2,60
3500.050	5	5	86	52	2,85
3500.060	6	6	93	57	2,95
3500.070	7	7	109	69	3,05
3500.080	8	8	117	75	3,35
3500.090	9	9	120	80	3,90
3500.100	10	10	129	87	4,05
3500.110	11	10	142	89	5,10
3500.120	12	10	151	96	5,45
3500.130	13	10	151	96	6,40
3500.140	14	10	151	96	6,80
3500.150	15	10	160	100	7,50
3500.160	16	10	160	100	7,95
3500.180	18	10	180	130	14,10
3500.200	20	10	200	140	18,75
3500.220	22	13	210	140	20,60
3500.240	24	13	215	140	22,70
3500.250	25	13	215	140	24,80
3500.260	26	13	215	145	24,80
3500.280	28	13	220	145	26,55
3500.300	30	13	220	145	28,95

Sets		€
Order No.	Description	
3501.505	5 pcs. Set in plastic box. Ø 4, 5, 6, 8 and 10 mm	10,95
3501.508	8 pcs. Set in plastic box. Ø 3, 4, 5, 6, 7, 8, 9 and 10 mm	15,95

	With brad point, two main edges and protruding cutting edges		For exact drilling into softwood and some European hardwood
	Chrome vanadium steel		The low-cost machine drill . For higher demands we recommend our product line 1594 HSS-G
	1000 - 5000 min-1. e.g. Ø 5 mm 5000 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. PE bag. EAN



Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
3491.006	6	6	250	190	7,95
3491.008	8	8	250	190	8,50
3491.010	10	10	250	190	10,25
3491.012	12	10	250	190	12,15
3491.014	14	10	250	190	14,70
3491.016	16	10	250	190	17,50
3491.018	18	10	250	190	19,95
3491.020	20	10	250	190	21,50

	With brad point, two main edges and protruding cutting edges		For exact drilling into softwood and some European hardwood
	Chrome vanadium steel		The low-cost long machine drill. For high demands we recommend our product line 1594 HSS-G
	1500 - 4000 min-1. e.g. Ø 5 mm 4000 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN

1593

○○○
Profi

Machine Drill with brad point and cutting lips carbide tipped



Order No.	O-Ø [mm]	SØ [mm]	OAL [mm]	NL [mm]	€
1593.030	3	3	58	30	16,55
1593.040	4	4	72	40	16,55
1593.050	5	5	83	49	16,70
1593.060	6	6	90	54	18,80
1593.080	8	8	106	66	20,60
1593.070	7	7	114	72	16,55
1593.090	9	9	122	78	16,55
1593.100	10	10	130	84	26,10
1593.110	11	11	139	91	16,55
1593.120	12	12	148	98	29,20

Order No.	Description	€
1593.805	5 pcs. Set in an blister: Ø 3, 4, 5, 6, 8 mm	81,15
1593.507	7 pcs. Set in wooden case: Ø 3, 4, 5, 6, 8, 10, 12 mm	130,85
1593.510	10 pcs. Set in wooden case: Ø 3, 4, 5, 6, 7, 8, 9, 10, 11, 12 mm	199,10







	Cylindrical carbide tipped machine drill with brad point, two main edges, two cutting lips		For exact drilling into hardwood (European and exotic), laminated chipboards and plastics
	High quality carbide tipping		Professional tool for a fair price with an unbelievable endurance. Top for freehand drilling and also stationary use. Boring and countersinking can be used in combination with countersink VARIO 2202.
	4.000 - 10.000 min-1. e.g. Ø 5 mm 8.000 min-1 in europ. hardwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN



Order No.	I-Ø [mm]	O-Ø [mm]	€
2108.003	3	7	14,80
2108.004	4	8	14,80
2108.005	5	10	14,05
2108.006	6	12	14,05
2108.007	7	12	14,05
2108.008	8	16	14,80
2108.009	9	18	16,30
2108.010	10	20	16,90
2108.011	11	20	18,35
2108.012	12	22	19,10

Sets

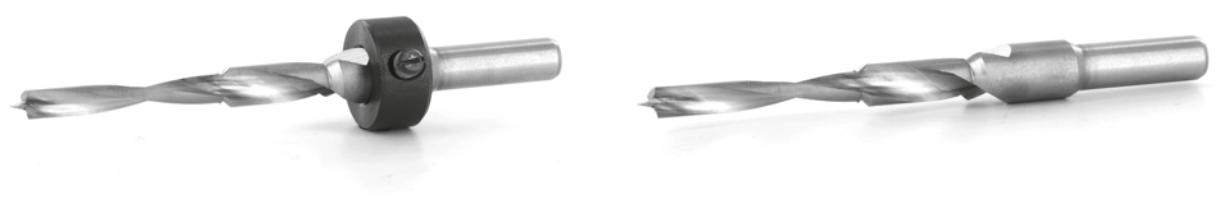
Order No.	Description	€
2108.505	5 pcs. Set in plastic tube. Ø 4, 5, 6, 8 and 10 mm	6,75
2108.507	7 pcs. Set in plastic tube. Ø 3, 4, 5, 6, 8, 10 and 12 mm	9,75
*depth adjuster single for countersinks with Ø 16mm outside		
Order No.	Description	€
2108.216	depth adjuster for countersinks type 2100 Ø 3 - 7 mm	5,15

	Clamp ring to put on twist drills with lateral attachment screw		For fixing on drill bits to adjust the drilling depth
	Tool steel		If you don't need 10 pcs. in one size we recommend 2108.2
	Ø 3 and 4 mm bits with depth ring mounted; it must work with few rpm than the indicated ones for the free bits		Packing unit = 10. Rose-tube. EAN

1886

○○○
Profi

Stepped machine Drill



Order No.	Description	Ø1 [mm]	L 1 [mm]	Ø2 [mm]	L 2 [mm]	Ø3 [mm]	L 3 [mm]	S-Ø [mm]	Shank length [mm]	€
1886.050	with depth adjusting collars	5	36	7	20	10	20	8	25	47,75
1886.150	without depth adjusting collars	5	36	7	20	10	20	8	25	46,10

	Three-stepped machine drill with brad point and protruding cutting edges		For pre-drilling and countersinking the holes in a single operation
	HSS		Of course the clamp ring can be used with this drill
	Ø 5 mm 5000 min-1 in chipboard. Less speed at laminated plates		Packing unit = 1. Rose-tube. EAN

1887

○○○
Profi

Stepped machine Drill, custom made

FAMAG
...für Besserbohrer®

Order No.

€

d

L1

D

L2

a

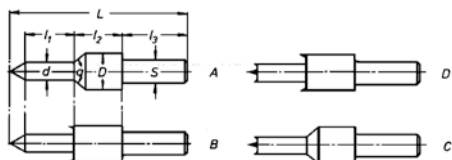
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L3

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Ausführung

Menge

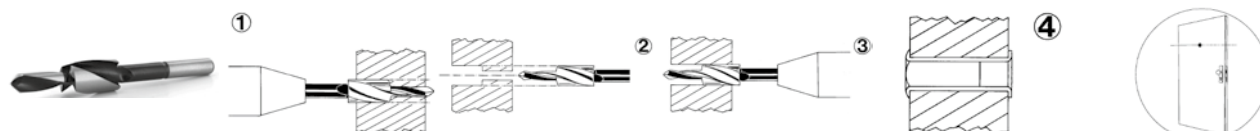


	Two or more-stepped spiral drill with a fix countersink. Version A and B with ground surface of a cone, Version C and D with centering point and protruding cutting edges		Boring and countersinking (90° or 180°) in a single operation. Production according to drawing or information of the desired sizes and design
	HSS		Dependant of the quantity you have to reckon with a delivery time of 4 - 6 weeks. Please use the above shown parameters for your demand
	1500 - 4000 min-1. e.g. sink-Ø 25 mm 2000 min-1 in Europe hardwood. Also find details at the speed diagrams		Packing unit = 1. Rose-tube. EAN

1880

○○○
Profi

Drill for door viewer

FAMAG
...für Besserbohrer®

Order No.	Door	Ø1 [mm]	L1 [mm]	Ø2 [mm]	L2 [mm]	S-Ø [mm]	€
1880.001	12 mm	8	25	13	25	8 x 30	49,00
1880.002	14 mm	8	25	15	25	8 x 30	51,90

	Two-stepped machine drill. First bit with point angle, core drill with two cutting lips		For boring tear free and exact holes for taking in a door viewer. For details look at the drawing
	Alloyed tool steel		If the door leafs has an aluminium core, best results are achieved with the stepped machine drills HSS 3692
	free hand application: max speed from cordless screwdriver. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN

1892

○○○
Profi

Stepped machine Drill

FAMAG
...für Besserbohrer®



Order No.	Nr.	Ø1 [mm]	Ø2 [mm]	S-Ø [mm]	€
1892.085	8,5	3,4	4,7	4,7	5,60
1892.095	9,5	3,8	5,2	5,2	6,25
1892.110	11,0	4,3	5,7	5,7	6,80
1892.130	13,0	5,3	6,7	6,7	7,35
1892.145	14,5	5,8	7,2	7,2	7,90
1892.160	16,0	6,1	7,7	7,7	8,45
1892.200	20,0	8,1	9,7	9,7	11,50

	Premium step drill fully ground with two main edges and point angle, cylindrical shank		For boring the holes for concealed hinges of ANUBA, ONI, FIX, QUICK etc.
	HSS-G		Robust version HSS-G again available for a good price
	3000 - 5000 min-1. e.g. Gr. 14,5 4500 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. New Rose-tube. EAN



OAL 400 mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1001.408	8	6	400	370	9,75
1001.410	10	8	400	370	11,40
1001.412	12	8	400	370	14,25
1001.414	14	8	400	370	16,35
1001.416	16	10	400	370	18,75
1001.418	18	10	400	370	22,55
1001.420	20	10	400	370	29,90
1001.422	22	12	400	370	39,20
1001.424	24	12	400	370	45,70
1001.425	25	12	400	370	48,80
1001.426	26	12	400	370	50,20
1001.428	28	12	400	370	54,60
1001.430	30	12	400	370	57,75
1001.432	32	12	400	370	59,95
1001.435	35	12	400	370	66,05
1001.439	39	12	400	370	86,55

OAL 600 mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1001.608	8	6	600	570	10,35
1001.610	10	8	600	570	12,00
1001.612	12	8	600	570	14,95
1001.614	14	8	600	570	17,00
1001.616	16	10	600	570	19,75
1001.618	18	10	600	570	23,70
1001.620	20	10	600	570	30,90
1001.622	22	12	600	570	41,60
1001.624	24	12	600	570	48,05
1001.625	25	12	600	570	51,80
1001.626	26	12	600	570	52,60
1001.628	28	12	600	570	57,10
1001.630	30	12	600	570	60,40
1001.632	32	12	600	570	62,10
1001.635	35	12	600	570	67,90
1001.639	39	12	600	570	90,55

OAL 800 mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1001.808	8	6	800	770	12,40
1001.810	10	8	800	770	14,10
1001.812	12	8	800	770	17,05
1001.814	14	8	800	770	19,95
1001.816	16	10	800	770	23,25
1001.818	18	10	800	770	27,65
1001.820	20	10	800	770	34,95
1001.822	22	10	800	770	45,60

OAL 1.000 mm

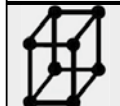
Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1001.108	8	6	1000	970	13,10
1001.110	10	8	1000	970	14,65
1001.112	12	8	1000	970	17,65
1001.114	14	8	1000	970	20,70
1001.116	16	10	1000	970	23,95
1001.118	18	10	1000	970	29,35
1001.120	20	10	1000	970	36,65
1001.122	22	12	1000	970	47,45



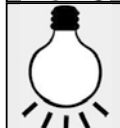
Twist drill with long shank and specially ground roof-like tip which can easily be reground. Construction according to DIN 7490 and the applicable safety regulations



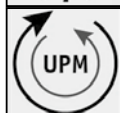
For boring external and internal form boards in a single operation and boring of wooden ceilings and floors of old buildings



Chrome vanadium steel



For boring into metal we recommend our version 1002 HSS



800 - 2500 min-1. e.g. Ø 10 mm
2500 min-1 in formwork panel



Packing unit = 1. PE bag. EAN
OAL 1000mm in tube

1002

○○○
Profi

Boarding and Plumbing Auger HSS

FAMAG®
...für Besserbohrer®

OAL 400 mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1002.406	6	5	400	370	11,25
1002.408	8	6	400	370	10,55
1002.410	10	8	400	370	12,50
1002.412	12	8	400	370	15,65
1002.414	14	8	400	370	19,10
1002.416	16	10	400	370	23,65
1002.418	18	10	400	370	27,90
1002.420	20	10	400	370	31,70
1002.422	22	10	400	370	46,25

OAL 600 mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1002.608	8	8	600	570	11,55
1002.610	10	8	600	570	13,40
1002.612	12	8	600	570	16,65
1002.614	14	8	600	570	20,05
1002.616	16	10	600	570	25,15
1002.618	18	10	600	570	29,55
1002.620	20	10	600	570	33,25

	Twist drill with long shank and specially ground roof-like tip which can easily be reground. Construction according to DIN 7490 and the applicable safety regulations		For boring external and internal form boards in a single operation and boring of wooden ceilings and floors of old buildings
	HSS		For the hardest application or for boring into metal
	1600 - 3000 min-1. e.g. Ø 14 mm 2200 min-1 in formwork panel		Packing unit = 1. PE bag. EAN



OAL 400mm

Order No.	O-Ø [mm]	Shank type [mm]	OAL [mm]	Cutting l. [mm]	€
1005.410	10	SDS	400	370	21,55
1005.412	12	SDS	400	370	24,20
1005.414	14	SDS	400	370	26,00
1005.416	16	SDS	400	370	29,55
1005.418	18	SDS	400	370	39,60
1005.420	20	SDS	400	370	43,15
1005.422	22	SDS	400	370	53,30
1005.424	24	SDS	400	370	60,70
1005.425	25	SDS	400	370	72,00

OAL 600mm

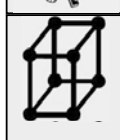
Order No.	O-Ø [mm]	Shank type [mm]	OAL [mm]	Cutting l. [mm]	€
1005.610	10	SDS	600	570	22,45
1005.612	12	SDS	600	570	25,25
1005.614	14	SDS	600	570	27,85
1005.616	16	SDS	600	570	30,90
1005.618	18	SDS	600	570	40,95
1005.620	20	SDS	600	570	44,40
1005.622	22	SDS	600	570	55,10
1005.624	24	SDS	600	570	64,50
1005.625	25	SDS	600	570	77,30
1005.626	26	SDS	600	570	81,65
1005.628	28	SDS	600	570	86,35
1005.630	30	SDS	600	570	93,70



Twist drill with long shank (SDS-plus) and specially ground roof-like tip which can easily be reground. Construction according to DIN 7490 and the applicable safety regulations



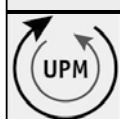
For boring external and internal form boards in a single operation and boring of wooden ceilings and floors of old buildings



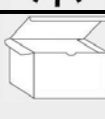
Chrome vanadium steel



These drills are not allowed to be used by a hammer or impact drill



1200 - 2500 min-1. e.g. Ø 22 mm 1200 min-1 in formwork panel



Packing unit = 1. PE clip. EAN

1775

○○○
Profi

Machine Countersink



Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
1775.010	10	8	90	60	17,50
1775.013	13	8	90	60	18,00
1775.016	16	8	90	60	21,00
1775.020	20	8	90	60	24,00
1775.025	25	8	90	60	29,95
1775.030	30	8	90	60	36,90

Sets					€
Order No.	Description				
1775.505	5 pcs. Set in wooden case. Ø 10, 13, 16, 20 and 25 mm				98,80

	Countersink with 7 edges and acute angle 90°, irregular pitch and parallel shank. Now with fully ground tool head		Countersinking into all sorts of wood, for veneered, laminated panels and many plastics
	Alloyed tool steel		Because of the specially desined pitch it is possible to countersink without chattering in softwood. For all non-ferrous metals, hard plastics etc. we recommend the carbide tipped adjustable countersink VARIO 2202 or the countersinks version 3540
	1000 - 2500 min-1. e.g. Ø 16 mm 1800 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN

2115









Profi

Machine Countersink with bored hole 90°

FAMAG®
...für Besserbohrer®


Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
2115.013	13	8x30	80	50	19,05
2115.016	16	8x30	90	60	21,85
2115.020	20	8x30	90	60	25,60

	Machine countersink with bored hole with one edge and countersinking angle of 90°		Countersinking into all sorts of wood, for veneered, laminated panels (for plastic laminated panels we recommend VARIO 2202)
	Alloyed tool steel		Because of the geometry of the tool head good guidance and countersinking without chattering is possible
	600 - 1000 min-1. e.g. Ø 16 mm 800 min-1 in softwood		Packing unit = 1. Rose-tube. EAN

3532









Hobby

Countersink

FAMAG®
...für Besserbohrer®


Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	€
3532.010	10	E 6,3	50	3,85
3532.012	12	E 6,3	50	4,05
3532.014	14	E 6,3	50	4,15
3532.016	16	E 6,3	50	4,20
3532.020	20	E 6,3	50	4,65



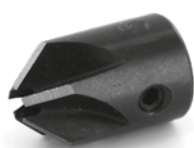
	Countersink with 5 edges and point angle 90° and bit shank E 6,3		Countersinking into softwood and veneered panels (for plastic laminated panels we recommend VARIO 2202). The low-price countersink for do-it-yourself people
	Alloyed tool steel		For hard plastics etc. we recommend the carbide tipped VARIO 2202 or the version 3540
	500 - 2500 min-1. e.g. Ø 12 mm 2000 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN

2100



Classic

Shell Drill Countersink

FAMAG®
...für Besserbohrer®


Order No.	I-Ø [mm]	O-Ø [mm]	OAL [mm]	€
2100.030	3,0	16	25	12,20
2100.035	3,5	16	25	12,20
2100.040	4,0	16	25	12,20
2100.045	4,5	16	25	12,20
2100.050	5,0	16	25	12,20
2100.055	5,5	16	25	12,20
2100.060	6,0	16	25	12,20
2100.065	6,5	16	25	15,20
2100.070	7,0	16	25	15,20
2100.080	8,0	20	25	15,20
2100.100	10,0	20	25	15,20

Accessory

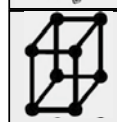
Order No.	Description	€
2108.216	depth adjusting collar for countersinks 3 - 7 mm	5,15



Shell drill countersink with 5 edges and point angle 90° to clip on machine drills incl. fixed spanner without drill



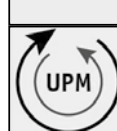
Boring and countersinking in a single operation. For clipping on machine drills with the appropriate Ø. Very good for softwood, veneered panels and limited for European hardwood



Tool steel



Countersinking screw heads and boring in a single operation to softwood. We recommend drills of version 3500 or 1590. For higher demands we recommend 1594 (HSS-G) with VARIO 2202



1500 - 2200 min-1. e.g. all countersinks with A-Ø 16 mm
1500 min-1 in softwood

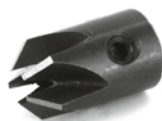


Packing unit = 1. Rose-tube. EAN







3537

Hobby

Shell Drill-Countersink Hobby, Economy

FAMAG®
...für Besserbohrer®


Order No.	I-Ø [mm]	O-Ø [mm]	OAL [mm]	€
3537.003	3	12	20	6,35
3537.004	4	12	20	6,35
3537.005	5	12	20	6,35
3537.006	6	12	20	6,35

	Shell drill countersink with 5 edges and point angle 90° to clip on machine drills. For do-it-yourself people. Without fixed spanner		Boring and countersinking in a single operation. For fitting to machine drills with the appropriate Ø. Very good for softwood
	Tool steel		Countersinking screw heads and boring in a single operation into softwood. We recommend drills of version 3500 or 1590. For higher demands we recommend 2100 with VARIO 2202
	2000 - 2200 min-1. e.g. all counter sinks with A-Ø 12 mm 2000 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. Rose-tube. EAN

2202

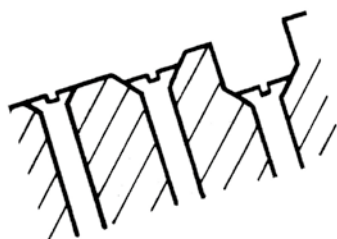
Premium

Adjustable Countersink carbide tipping

FAMAG
...für Besserbohrer®


Order No.	I-Ø [mm]	O-Ø [mm]	OAL [mm]	> [°]	€
2202.000	3 - 8	10,5 - 14,5	34	90	33,40
2204.000	3 - 8	10,5 - 14,5	35	180	33,40

Order No.	Description	€
3575.505	6 pcs. Set in wooden case. Drill bits 1594 Ø 3, 4, 5, 6, 8 mm & countersink 2202 (90°)	59,15
3575.507	7 pcs. Set in wooden case 1593 Ø 3, 4, 5, 6, 8 mm + 2202 VARIO countersink 90°	103,10
3575.504	6 pcs. In wooden case. Type 1594 Ø 3, 4, 5, 6, 8 mm and VARIO Countersink 2204 (180°)	59,15



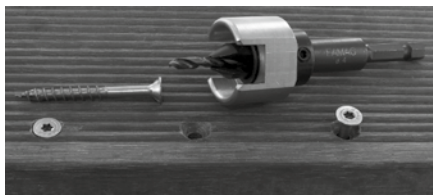
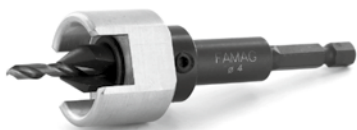
	Professional carbide tipped adjustable countersink, countersinking angle 90° or 180°, two-part version. Can be clipped on all machine drills Ø 3-8 mm		Boring and countersinking in a single operation by fitting to machine drills (also intermediate sizes e.g. 5.5 mm). Fit for all sorts of wood, laminated panels and many plastics
	High quality carbide tipping		For simultaneously boring and countersinking screw heads. Combined with machine drill 1594 (HSS-G) it's ideal for hard wood working (e.g. exotic wood for patios) You get the following dimensions by using: (Ødrill/ countersink size): 3/ 10,5, 4/ 11,5, 5/ 12,5, 6/ 13,5, 8/ 14,5 mm
	3000 - 5000 min-1. e.g. Drill-Ø 4 mm 4000 min-1 in euro. hardwood, also possible with less speed in cordless screwdrivers		Packing unit = 1. Rose-tube. EAN

3577



Profi

Drill-Countersink-Set with rotating depth stop

FAMAG®
...für Besserbohrer®








Order No.	Description	€
3577.040	Drill-Countersink-Set 4 mm with depth stop	29,95
3577.050	Drill-Countersink-Set 5 mm with depth stop	29,95
3577.060	Drill-Countersink-Set 6 mm with depth stop	29,95

Sets

Order No.	Description	€
3577.504	Drill-Countersink-Set of 4 pcs. Ø 4, 5 and 6 mm + Depth Stop in wooden case	70,70

Accessory

Order No.	Description	€
3577.104	Countersink single Ø 4 mm	14,75
3577.105	Countersink single Ø 5 mm	14,75
3577.106	Countersink single Ø 6 mm	14,75
3577.140	Pre-drill Ø 4 mm	4,20
3577.150	Pre-drill Ø 5 mm	4,60
3577.160	Pre-drill Ø 6 mm	5,40
3577.212	Depth stop single, rotationally supported	16,85

	High quality drill-countersink-set with rotating depth stop of brass. Pre-drill in the depth ajustable. Countersink angle 60°		This set is particularly well suited for screw holes in the terraces boards which we have to drill, sink clean and accurate. The depth stop is rotatably mounted and stops at impact with the workpiece, it prevents that the depth stop leaving imprints on the terrace boards.
	Countersink/Pre-drill: alloyed tool steel. Depth Stop: brass		Adjust the depth so that floor board is just transpierce (Board thickness). Thus, the self-tapping terrace screw are perfect fit.
	1500 - 2200 min-1 e.g. recommended value aprox. 1800 min-1 in hardwood		Packing unit = 1 Rose-tube. EAN

3573



Classic

Drill-Countersink-Sets



...für Besserbohrer®


Order No.	I-Ø [mm]	O-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
3573.030	3	16	60	15	13,05
3573.040	4	16	75	30	13,05
3573.050	5	16	85	40	13,05
3573.060	6	16	95	50	13,05
3573.080	8	20	115	70	14,10
3573.100	10	20	130	85	14,70



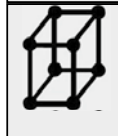

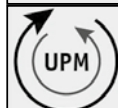

Accessory

Order No.	Description	€
2108.216	depth adjusting collar for countersinks 3 - 7 mm	5,15

Sets

Order No.	Description	€
3574.504	5 pcs. Set in wooden case. Drill bits type 3500 Ø 3, 4, 5, 6 mm with countersinks type 2100 + depth adjusting collar	49,95



	Machine drills version 3500 (CV) with clipped on countersinks 2100 (tool steel) and hexagon socket wrench		Boring and countersinking in a single operation. Very good for soft wood and limited fit for European hardwood. For simultaneously boring and countersinking screw heads
	Tool steel		Just for softwood. For hardwood we recommend machine drills 1594 (HSS-G) and adjustable countersink 2202 Put on the depth adjusting collar 2108.216 directly on the countersink and set lowering depth
	1500 - 2200 min-1. e.g. standard value ca. 1800 min-1 in softwood		Packing unit = 1. Rose-tube. EAN

3572



Classic

Drill-Countersink-Set with bit shank

FAMAG[®]

...für Besserbohrer[®]


Order No.	O-Ø [mm]	Shank type [mm]	OAL [mm]	Cutting l. [mm]	€
3572.030	3	C 6,3	75	25	14,07
3572.040	4	C 6,3	75	25	14,23
3572.050	5	C 6,3	86	36	14,86
3572.060	6	C 6,3	93	43	15,32
3572.080	8	C 6,4	117	67	20,38
3572.100	10	C 6,5	133	83	22,57







Accessory

Order No.	Description	€
2108.216	depth adjusting collar for countersinks 3 - 7 mm	5,15

Sets

Order No.	Description	€
3572.503	5 pcs. Set in wooden case. Drill bits type 3500 Ø 3, 4, 6 mm with countersinks type 2100 and bitholder	58,00
3572.504	5 pcs. Set in wooden case. Drill bits type 3500 Ø 3, 4, 5, 6 mm with countersinks type 2100 with	75,75

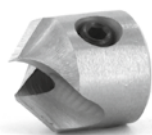


	Bit (E 6,3) with brad point, two main edges, two cutting lips and hex shank for bit holder (1/4"; E 6,3). With clipped on countersink 2100 (tool steel)		Fast change of the tools in the bit holders. Boring into all wooden materials and many plastics
	HSS		Boring and countersinking in a single operation. For predrilling without countersinking we recommend version 1596 (HSS-G)
	1500 - 2200 min-1. e.g. standard value ca. 1800 min-1 in softwood		Packing unit = 1. Rose-tube. EAN

2101

○○○
Profi

Shell Drill-Countersink HSS 90°

FAMAG®
...für Besserbohrer®

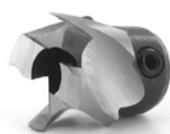
Order No.	I-Ø [mm]	O-Ø [mm]	OAL [mm]	€
2101.030	3,0	16	16	39,00
2101.035	3,5	16	16	39,00
2101.040	4,0	16	16	39,00
2101.045	4,5	16	16	39,00
2101.050	5,0	16	16	39,00
2101.060	6,0	16	16	39,00
2101.070	7,0	16	16	39,00
2101.080	8,0	18	16	42,00
2101.100	10,0	20	16	42,90

	Shell drill countersink with 2 edges and point angle 90° to clip on machine drills		Boring and countersinking in a single operation. For fitting on machine drills. Very good for softwood, European hardwood, veneered panels and plastics
	HSS		Countersinking screw heads and boring in a single operation. Long endurance because of HSS. We recommend the drills 1594 and 1599 HSS-G of our product range. Unsuitable for depth adjusting collar 2106.216
	2000 - 3500 min-1. e.g. standard value ca. 3000 min-1 in euro. hardwood, also possible with less speed in cordless screwdrivers		Packing unit = 1. Rose-tube. EAN

2106

○○○
Profi

Shell Drill-Countersink rectangular 180°

FAMAG®
...für Besserbohrer®

Order No.	I-Ø [mm]	O-Ø [mm]	OAL [mm]	€
2106.050	5	15	23	39,50
2106.060	6	16	23	40,70
2106.061	6	15	25	41,15
2106.180	8	20	25	47,15
2106.280	8	25	25	49,55
2106.290	9	25	25	51,65
2106.110	10	20	25	45,35
2106.210	10	25	25	49,50
2106.211	11	25	25	65,80
2106.310	10	30	25	75,40
2106.212	12	25	25	63,10
2106.312	12	30	25	75,40

	Shell drill countersink for right-angled countersinks with two main edges and two roughing taps to clip on machine drills		Boring and countersinking in a single operation. For fitting on machine drills. Very good for softwood, European hardwood, veneered panels and plastics
	HSS		For countersinking washers/screw nuts and boring in a single operation. We recommend the machine drill 1594 and 1599 HSS-G
	1700 - 3000 min-1. e.g. Ø 12 mm 2000 min-1 in euro. hardwood, also possible with less speed in cordless screwdrivers		Packing unit = 1. Rose-tube. EAN

1540



Classic

Expansive Bit for machine

FAMAG[®]

...für Besserbohrer[®]


Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	€
1540.001	15 - 45	12	150	44,80
1540.002	22 - 76	13	150	56,00
1540.003	22 - 100	13	150	122,15

spare blades

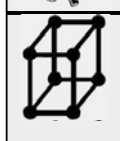
Order No.	O-Ø [mm]	€
1540.101	15 - 25	12,95
1540.102	25 - 45	13,45
1540.201	22 - 40	13,45
1540.202	40 - 76	16,80
1540.203	70 - 100	61,70



Version with brad point, one fixed main edge and adjustable knife with roughing tap. Expansive bit with stable hexagonal shank 13 x 50 mm



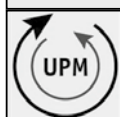
For boring into softwood, universal for all diameters and intermediate sizes



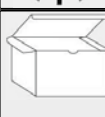
Tool steel



Only for stationary use. This tool is a compromise, for professional use we recommend our cylinder boring bits



300 - 1500 min-1. e.g. for Ø 50 mm 600 min-1 in softwood stationary



Packing unit = 1. Rose-tube. EAN



Standard					
Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
3510.008	8	E 6,3	150	120	3,20
3510.010	10	E 6,3	150	120	3,20
3510.011	11	E 6,3	150	120	3,25
3510.012	12	E 6,3	150	120	3,25
3510.013	13	E 6,3	150	120	3,45
3510.014	14	E 6,3	150	120	3,45
3510.015	15	E 6,3	150	120	3,50
3510.016	16	E 6,3	150	120	3,50
3510.017	17	E 6,3	150	120	3,85
3510.018	18	E 6,3	150	120	3,85
3510.019	19	E 6,3	150	120	3,95
3510.020	20	E 6,3	150	120	3,95
3510.021	21	E 6,3	150	120	4,00
3510.022	22	E 6,3	150	120	4,00
3510.024	24	E 6,3	150	120	4,10
3510.025	25	E 6,3	150	120	4,25
3510.026	26	E 6,3	150	120	4,25
3510.028	28	E 6,3	150	120	4,45
3510.030	30	E 6,3	150	120	4,65
3510.032	32	E 6,3	150	120	5,25
3510.034	34	E 6,3	150	120	5,95
3510.035	35	E 6,3	150	120	6,90
3510.036	36	E 6,3	150	120	6,90
3510.038	38	E 6,3	150	120	7,00
3510.040	40	E 6,3	150	120	7,65
Extension					
Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
3511.000	14	E 6,3	330	300	9,55
3511.305	16	E 6,3	305	280	12,00
Sets					
Order No.	Description				€
3510.506	6 pcs. Set in plastic box. Ø 12, 16, 18, 20, 22, 25 mm				20,40

	Classical centre bit with brad point. Polished face with two roughing taps and bit shank E 6,3. The extension shank 3511.305 has a chuck which permits fast exchange		For boring into softwood without precision and quality. Because of the roughing taps results are clearly better than with the usual versions
	Tool steel		In our opinion flat centre bits are in principle no tools for professional use and are not fit for hardwood. It is better to use FAMAG cylinder boring bits, especially Bormax®
	800 - 3000 min-1. e.g. Ø 18 mm 1600 min-1 in softwood. Also find details at the speed-diagrams		Packing unit = 1. On Rose-card. EAN

Router Bits

71

Carbide-tipped Straight Bit with TC Center Tip

72

Classical Bit

79

Bevel Bit

83

Torus Bit

85

Core Bit

86

Straight And Plunge Bit One Blade

91

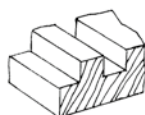
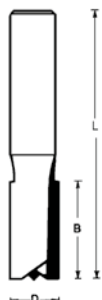
Ball Bearings

94

3167

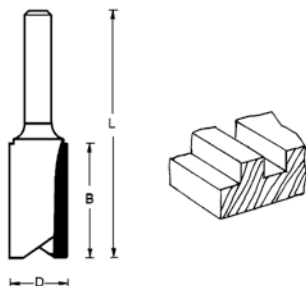
 ○○○○
Premium

Carbide-tipped Straight Bit with TC Center Tip







FAMAG
...für Besserbohrer®


Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3167.808	8	19	57				8	26.000	36,20
3167.810	10	19	51				8	24.000	37,20
3167.812	12	19	51				8	22.000	39,05
3167.842	12	32	63				8	22.000	47,15
3167.814	14	19	51				8	22.000	40,75
3167.844	14	25	57				8	22.000	43,50
3167.816	16	19	51				8	21.000	42,55
3167.846	16	25	57				8	21.000	45,30
3167.818	18	19	51				8	21.000	45,00
3167.820	20	19	51				8	20.000	47,30
3167.908	8	19	63				12	26.000	38,40
3167.910	10	19	63				12	24.000	39,35
3167.912	12	19	61				12	22.000	41,10
3167.942	12	32	73				12	22.000	47,15
3167.944	14	25	67				12	22.000	45,90
3167.916	16	25	67				12	21.000	47,75
3167.946	16	32	73				12	21.000	49,60
3167.848	18	25	57				12	21.000	47,60
3167.918	18	25	67				12	21.000	50,40
3167.920	20	25	67				12	20.000	53,25
3167.922	22	32	73				12	20.000	60,20

	Two carbide tipped edges, side cutting and plunging. With ground carbide tipped center tip		For grooving, producing finger jointers, tongue and groove joints. Can be plunged without restrictions because of the carbide tipped center tip. Suitable for all kinds of solid wood, wooden and laminated materials and some plastics. Manual and mechanical feed is allowed
	High quality carbide tipping		Because of the carbide tipped centre tip it is ideal for boring slots and continuous countersinkings up to a depth of 32 mm. Also very good for cutting the cut-outs of worktops in kitchens (e.g. hob and sink)
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN



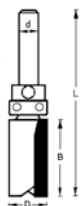
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3107.603	3	11	51				6	26.000	23,55
3107.604	4	11	51				6	25.000	23,70
3107.605	5	11	51				6	24.000	23,90
3107.606	6	19	51				6	23.000	24,20
3107.608	8	20	51				6	22.000	29,30
3107.610	10	20	51				6	22.000	30,05
3107.651	10	32	63				6	22.000	35,20
3107.612	12	20	51				6	20.000	31,65
3107.661	12	32	63				6	20.000	36,55
3107.614	14	20	51				6	20.000	32,45
3107.616	16	20	51				6	19.000	34,40
3107.618	18	20	51				6	19.000	36,55
3107.620	20	20	51				6	18.000	39,00
3107.803	3	11	51				8	26.000	23,55
3107.804	4	11	51				8	25.000	23,70
3107.805	5	11	51				8	24.000	23,90
3107.806	6	19	51				8	23.000	24,20
3107.808	8	20	51				8	22.000	29,30
3107.810	10	20	51				8	22.000	30,05
3107.851	10	32	63				8	22.000	35,20
3107.812	12	20	51				8	20.000	31,65
3107.861	12	32	63				8	20.000	36,55
3107.814	14	20	51				8	20.000	32,45
3107.816	16	20	51				8	19.000	34,40
3107.818	18	20	51				8	19.000	36,55
3107.820	20	20	51				8	18.000	39,00
3107.822	22	20	51				8	18.000	39,70
3107.825	25	20	51				8	17.000	42,50
3107.908	8	25	70				12	26.000	35,75
3107.910	10	32	76				12	24.000	38,15
3107.912	12	32	73				12	22.000	39,05
3107.962	12	50	108				12	22.000	56,80
3107.914	14	25	73				12	22.000	39,65
3107.916	16	32	73				12	21.000	40,35
3107.918	18	32	73				12	21.000	44,05
3107.920	20	32	73				12	20.000	46,35
3107.922	22	25	67				12	20.000	46,85
3107.925	25	32	73				12	19.000	56,25
3107.930	30	25	67				12	18.000	71,75
3107.935	35	25	67				12	18.000	77,35
3107.940	40	32	73				12	17.000	108,05
3107.950	51	32	73				12	17.000	129,40

	Two carbide tipped edges parallel to the axis, side cutting and plunging. With ground (non carbide tipped) center tip		For grooving, producing finger jointers, tongue and groove joints. Suitable for all kinds of solid wood, wooden and laminated materials and some plastics. Manual and mechanical feed is allowed
	High quality carbide tipping		For professional plunging we recommend our product line 3167 with carbide tipped centre tip
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN



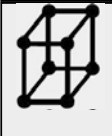



3157

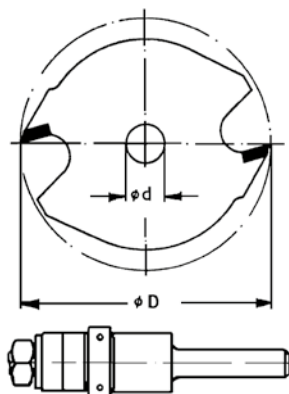

 Premium

Straight Bit - Template Profile

FAMAG
...für Besserbohrer®


Order No.	D [mm]	Cutting l. [mm]	L [mm]	α [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3157.625	15,9	25,4	63				6	19.000	44,55

	Two carbide tipped edges parallel to the axis, circumferential cutting construction. With ball bearing guide (Ø 15.9 mm) at the shank		For grooving any profile with a template. Suitable for all kinds of solid wood, wooden and laminated materials and some plastics. Manual and mechanical feed is allowed
	High quality carbide tipping		After producing a template you can groove with the straight bit the same profile to any workpiece
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN



Order No.	D [mm]	Cutting l. [mm]	d. [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3108.015	40	1,5	6,35					16.000	22,60
3108.020	40	2,0	6,35					16.000	22,60
3108.025	40	2,5	6,35					16.000	23,30
3108.030	40	3,0	6,35					16.000	24,90
3108.035	40	3,5	6,35					16.000	25,35
3108.040	40	4,0	6,35					16.000	25,35
3108.050	40	5,0	6,35					16.000	25,35
3108.060	40	6,0	6,35					16.000	25,35

shank with ball bearing

Order No.	Kurz- Nr.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	S-Ø [mm]	n max. [~U/ min]	R1 [mm]	R2 [mm]	max r.p.m [1/ min]	€
3108.690		15,9	58			6	16.000				22,35
3108.890		15,9	58			8	16.000				22,35

shank without ball bearing

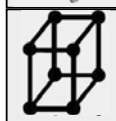
Order No.	Kurz- Nr.	D [mm]	Cutting l. [mm]	L [mm]	S-Ø [mm]	< [°]	n max. [~U/ min]	R1 [mm]	R2 [mm]	max r.p.m [1/ min]	€
3108.691		13	58	6,35	6		16.000				12,20
3108.891		13	58	6,35	8		16.000				12,20



Two carbide tipped straight edges, circumferential cutting construction



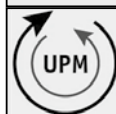
For cutting grooves and slots. Suitable for all kinds of solid wood, wooden and laminated materials and some plastics. Manual and mechanical feed is allowed



High quality carbide tipping



Specially for tongue and groove joints, production of plugs, cutting slots in general and special slots for the application of Lamello joints (B = 4,0 mm). When slots need to be of constant depth we recommend the version with ball bearing guide



Individual for every router bit, see parameters of product

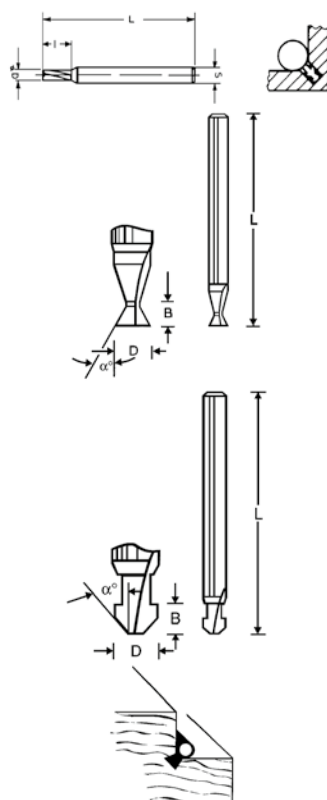


packing unit = 1. Self service. EAN

3107


 Premium

Straight Bit

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...für Besserbohrer®


One-sided

Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3107.663	3	11	60				6	30.000	29,30
3107.763	3	11	60				6,35	30.000	29,30

Double-sided



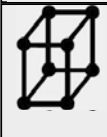



Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3107.673	3	8	70				6	30.000	48,50
3107.773	3	8	65				6,35	30.000	48,50

Dovetailed profile

Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3104.665	5,1	8	60	18			6	30.000	51,65
3104.765	5,1	8	60	18			6,35	30.000	51,65

Studded anchor profile

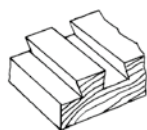
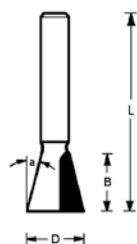
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3104.685	5,1	8	60	38			6	30.000	60,55
3104.785	5,5	8	65	38			6,35	30.000	60,55

	Two-edged, fully ground, side cutting and plunging		For milling straight or molded lining grooves at windows or doors. Suitable for all kinds of solid wood, wooden and laminated materials and some plastics. Manual and mechanical feed is allowed
	Solid carbide, 3104 with head of solid carbide		By using fine grained carbide the straight bits of FAMAG have a very high endurance. With appropriate feed it is possible to make the lining groove in a single operation
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3104

 ○○○○
Premium

Dovetail Bit

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...für Besserbohrer®


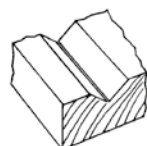
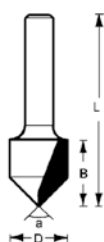
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3104.612	12,7	12,7	44,5	14			6	21.000	29,75
3104.812	12,7	12,7	44,5	14			8	21.000	29,75

	Two carbide tipped edges, side cutting and plunging		For milling groove joints, e.g. teeth for corner joints or edges and grooves for longitudinal joints. Suitable for all kinds of solid wood, wooden and laminated materials and some plastics. Manual and mechanical feed is allowed
	High quality carbide tipping		To elongate tool life we recommend to begin with a straight bit (e.g. 3107), for producing tear free corner joints we recommend to clamp a piece of wood under the workpiece. Before unclamping your workpiece be sure that all teeth are exactly milled out
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3105

 ○○○○
Premium

V Groove Bit

FAMAG®
...für Besserbohrer®


Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3105.660	12,7	16	44,5	60			6	21.000	29,75
3105.690	12,7	12,7	51	90			6	21.000	29,75
3105.860	12,7	16	44,5	60			8	21.000	29,75
3105.890	12,7	12,7	51	90			8	21.000	29,75

	Two carbide tipped edges, side cutting and plunging. Available with edges with an angle of 60° or 90°		For milling v-shaped grooves, ornamental grooves or for chamfering edges. Suitable for all kinds of solid wood, wooden and laminated materials and some plastics. Manual and mechanical feed is allowed
	High quality carbide tipping		The perfect router bit for exact and sharp ornamental grooves at doors and fronts of drawers
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3155

 ○○○○
Premium

(Head VHM) V Groove Bit - For Engraving Wood

FAMAG®
...für Besserbohrer®

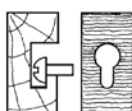
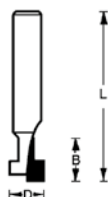

Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3155.660	14	22	57	60			6	21.000	74,15
3155.860	14	22	57	60			8	23.000	74,15

	Head with three edges of solid carbide. Angle of edges 60°, plunging version		For engraving letters of different width and milling of v-shaped grooves at an angle of 60°
	Head of solid carbide		Cutting depth up to 13 mm max and groove width up to 14 mm
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3154

 ○○○○
Premium

Keyhole Slot Cutter - Single Fluted

FAMAG®
...für Besserbohrer®


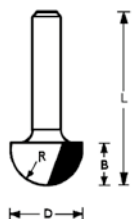
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3154.609	9,8	9,8	38				6	22.000	23,20
3154.809	9,8	9,8	38				8	24.000	23,20

	One carbide tipped edge parallel to the axis, side cutting and plunging		For cutting slots for hanging up pictures, mirrors, shelves, etc. Suitable for all kinds of solid wood, wooden and laminated materials and some plastics. Manual and mechanical feed is allowed
	High quality carbide tipping		If you want to fix an object only at one point, cut the slot vertically so that you can exactly balance the object
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3106

 ○○○○
Premium

Core Box Bit

FAMAG®
...für Besserbohrer®


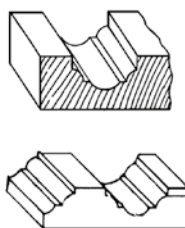
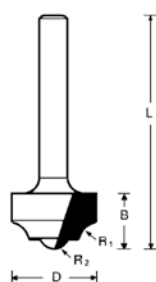
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3106.609	9,5	6,4	38		4,8		6	22.000	35,20
3106.612	12,7	9,5	38		6,4		6	21.000	37,80
3106.615	15,9	9,5	40		7,9		6	19.000	39,80
3106.809	9,5	6,4	38		4,8		8	22.000	35,20
3106.812	12,7	9,5	38		6,4		8	21.000	37,80
3106.815	15,9	9,5	40		7,9		8	19.000	39,80
3106.819	19,1	12,7	40		9,5		8	18.000	46,10
3106.825	25,4	16	46,5		12,7		8	17.000	50,20

	Two carbide tipped edges, side cutting and plunging		For milling chamfers, ornamental grooves and inner radii at the front of drawers and other surfaces. Suitable for all kinds of solid wood, wooden and laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		For exact and tear free chamfers we recommend a first flat run and a second run to finish the chamfer tear free
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3131

 ○○○○
Premium

Classical Bit

FAMAG®
...für Besserbohrer®


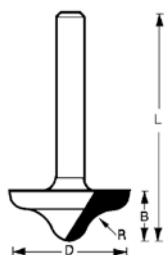
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3131.612	12,7	10,5	51		2,5	3,5	6	20.000	64,80
3131.812	12,7	10,5	51		2,5	3,5	8	20.000	64,80

	Two carbide tipped edges, with inner radius. Side cutting and plunging		For milling moulded grooves and edges. Suitable for all kinds of solid wood, wooden and laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		Very fine for ornamenting the fronts of wardrobes and drawers. Because of the detailed configuration of the bit a specially delicate moulding is possible
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3137

 ○○○○
Premium

Plunge For Round & Ogee Bit

FAMAG®
...für Besserbohrer®


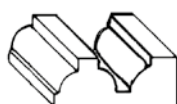
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3137.827	27	11,2	51		6		8	17.000	68,80

	Two carbide tipped edges. Side cutting and plunging		For milling moulded grooves. Suitable for all kinds of solid wood, wooden and laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		Very fine for ornamenting the fronts of wardrobes and drawers. Because of the two radii without edges it is possible to cut specially pleasant curves without grooves
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3127

 ○○○○
Premium

Beading Bit

FAMAG®
...für Besserbohrer®


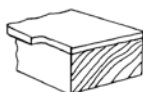
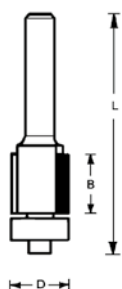
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3127.609	9,5	7	51		2,5		6	24.000	41,25
3127.809	9,5	7	51		2,5		8	24.000	41,25

	Two carbide tipped edges, with inner radius. Side cutting and plunging		For milling moulded grooves. Suitable for all kinds of solid wood, wooden and laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		Very fine for ornamenting the fronts of wardrobes and drawers. Because of the small inner radius special filigree curves can be milled
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3101

 ○○○○
Premium

Flush Trimmer Bit

FAMAG®
...für Besserbohrer®


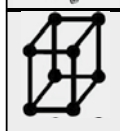
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3101.612	12,7	12,7	60				6	21.000	24,90
3101.625	12,7	25,4	70				6	21.000	30,95
3101.812	12,7	12,7	60				8	21.000	24,90
3101.825	12,7	25,4	70				8	21.000	30,95



Two carbide tipped edges parallel to the axis, only side cutting. With ball bearing (Ø 12.7 mm) guide at the head



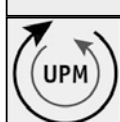
For copying with template and trimming flush edges and forming. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual feed is allowed



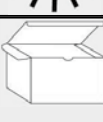
High quality carbide tipping



Optimal for cutting continuous holes in thicker boards. Mill underneath the board the desired outline with a plunging router bit. Bore through the board (min Ø 14 mm) and trim the outline at the upper surface flush



Individual for every router bit, see parameters of product

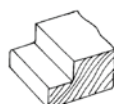
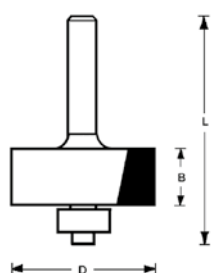


packing unit = 1. Self service. EAN

3114

 ○○○○
Premium

Rabbeting Bit

FAMAG®
...für Besserbohrer®


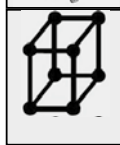
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3114.631	31,7	12,7	51				6	16.000	56,00
3114.831	31,7	12,7	51				8	18.000	56,00



Two side cutting carbide tipped edges. Changeable ball bearing guide (Ø 12.7 mm). Depth of rabbets 9.5 mm



For producing rabbetted joints of frames, fitting of frames and drawers and rabbetting of old wooden windows for embedding insulated glass. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual feed is allowed



High quality carbide tipping



Because of the ground front side of the edge very good surfaces of the rabbets are achieved. A depth of 11.1 mm of the rabbet can be achieved by mounting the ball bearing guide 3119.004 (please order separately)



Individual for every router bit, see parameters of product

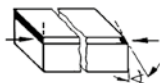
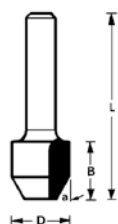


packing unit = 1. Self service. EAN

3110

 ○○○○
Premium

Combi Trimmer Bit - Flush & Bevel

FAMAG®
...für Besserbohrer®


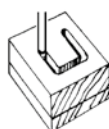
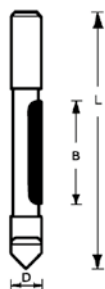
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3110.612	12,7	12,7	41	30			6	20.000	28,00
3110.812	12,7	12,7	41	30			8	22.000	28,00

	Two carbide tipped side cutting edges. Angle of chamfering 30°		For separating, trimming flush and chamfering with a router bit: separating and trimming flush with the edge which is parallel to the shank and then chamfering in an angle of 30° by adjusting the milling depth. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		By a combination of several worksteps you can save time
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3115

 ○○○○
Premium

Panel Pilot Bit

FAMAG®
...für Besserbohrer®


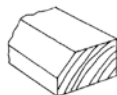
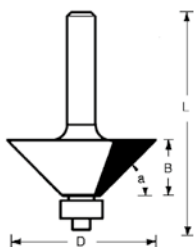
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3115.606	6,4	19	63,5				6	28.000	26,85
3115.806	6,4	19	63,5				8	30.000	26,85

	With a carbide tipped circumferential edge and a non carbide tipped drilling edge		For trimming flush veneers and laminations of edges of a workpiece. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual and mechanical feed is allowed
	High quality carbide tipping		With a simple template you can easily produce openings for e.g. wall sockets, switches and lamps in wooden ceilings and panels
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3118

 ○○○○
Premium

Bevel Bit

FAMAG
...für Besserbohrer®


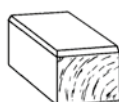
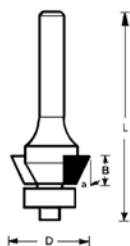
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3118.645	31,8	12,7	53	45			6	15.000	43,50
3118.845	31,8	12,7	53	45			8	16.000	43,50

	Two axially carbide tipped side cutting in circumferention execution. Angle of cutting 45°. Changeable ball bearing guide (Ø 9.5 mm) at the head		For chamfering and milling edges in different strenghts. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		For cutting bevels of an angle of 15° we recommend bevel bit 3102
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3102

 ○○○○
Premium

Bevel Bit

FAMAG
...für Besserbohrer®


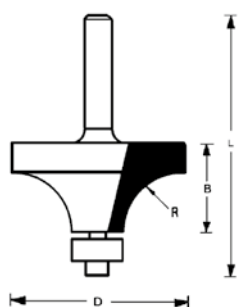
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3102.615	15,9	6,4	52,4	15			6	19.000	25,55
3102.815	15,9	6,4	52,4	15			8	19.000	25,55

	Two axially carbide tipped side cutting edges only circumferential execution. Changeable ball bearing guide (Ø 12.7 mm) at the head		For professional chamfering and milling edges. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		Provide edges which easily show abrasions (e.g. table and chair legs) with an exact and inured bevel
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3109

 ○○○○
Premium

Rounding-Over Bit

FAMAG®
...für Besserbohrer®


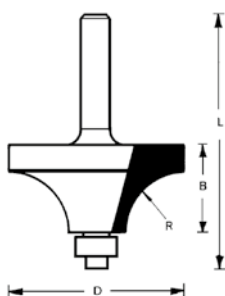
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3109.618	18,7	9,5	49		3		6	19.000	53,85
3109.625	25,4	12,7	51		6,4		6	17.000	55,75
3109.628	28,6	12,7	51		8		6	17.000	57,15
3109.631	31,8	15,9	55,5		9,5		6	16.000	62,30
3109.818	18,7	9,5	49		3		8	19.000	53,85
3109.819	20,7	9,5	49		4		8	18.000	53,85
3109.825	25,4	12,7	51		6,4		8	17.000	55,75
3109.828	28,6	12,7	51		8		8	17.000	57,15
3109.831	31,8	15,9	55,5		9,5		8	16.000	62,30
3109.838	38,1	19,1	57		12,7		8	16.000	66,75

	Two carbide tipped circumferential execution cutting edges. Changeable ball bearing guide (Ø 12.7 mm) at the head		For milling outer radii at edges of workpieces. Suitable for all kinds of solid wood, wooden and laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		For milling covings we recommend our product line 3119
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3119

 ○○○○
Premium

Ovolo Bit

FAMAG®
...für Besserbohrer®


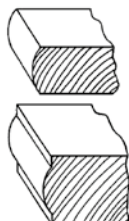
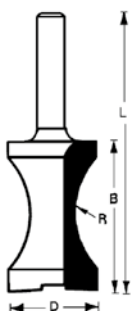
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3119.625	25,4	12,7	51		6,4		6	17.000	55,75
3119.628	28,6	12,7	51		7,9		6	16.000	57,15
3119.631	31,8	15,9	55,5		9,5		6	16.000	62,30
3119.819	19,1	9,5	47,5		4		8	18.000	53,85
3119.825	25,4	12,7	51		6,4		8	17.000	55,75
3119.828	28,6	12,7	51		7,9		8	16.000	57,15
3119.831	31,8	15,9	55,5		9,5		8	16.000	62,30
3119.838	38,1	19,1	57		12,7		8	15.000	66,75

	Two carbide tipped side cutting edges with inner radius in circumferential execution. Changeable ball bearing guide (Ø 9.5 mm) at the head		For milling covings or profiles with a small rabbet. Suitable for all kinds of solid wood, wooden and laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		If you want to mill a coving without rabbet we recommend the router bit 3109. Furthermore you can change the ball bearing guide from Ø 9.5 mm to 12.7 mm
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3125

 ○○○○
Premium

Flat Bull Nose Bit

FAMAG
...für Besserbohrer®


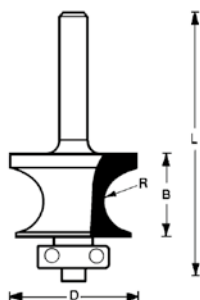
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3125.820	20,2	32	62,6		18		8	18.000	95,50

	Two axially carbide tipped side cutting edges in circumferential execution		For milling flat curves at mouldings, edges and front of boards. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		With boards thinner than 20 mm will have curves without rabbets. If the boards are thicker than 20 mm (max. 30 mm) a rabbet is formed at the bottom and at the top. By boards under 20mm creates a curve without rabbets
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3123

 ○○○○
Premium

Torus Bit

FAMAG
...für Besserbohrer®


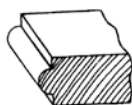
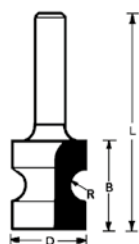
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3123.828	28,2	16	57		4,8		8	17.000	66,15

	Two carbide tipped side cutting edges with an inner radius of 4,8 mm in circumferential execution. Changeable ball bearing guide (Ø 16 mm) at the head		For milling corners and edges. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		In two worksteps you can produce a whole handle strip
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3124

 ○○○○
Premium

Bull Nose Bit

FAMAG
...für Besserbohrer®


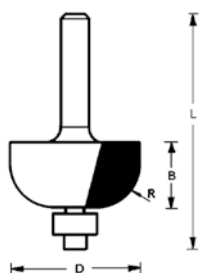
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3124.822	22,2	19,1	47,6		5,2		8	18.000	81,90

	Two carbide tipped side cutting edges parallel to the shank with an inner radius of 5.2 mm in circumferential execution		For milling rounded edges at sills, frames and stairrails. Suitable for all kinds of solid wood, wooden and laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		Beads should be at least 10.4 mm thick. If you want to mill an edge with two rabbets you should use ledges up to 19 mm thick
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3112

 ○○○○
Premium

Core Bit

FAMAG
...für Besserbohrer®


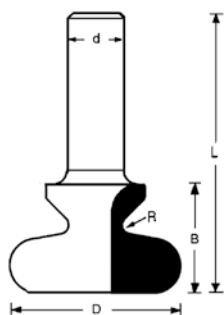
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3112.625	25,4	14,3	55		6,4		6	17.000	57,15
3112.822	22,2	14,3	55		8		8	18.000	55,75
3112.825	25,5	14,4	55		8		8	17.000	57,15
3112.834	34,9	16	54		12,7		8	16.000	66,70

	Two axially carbide tipped side cutting edges in circumferential executions. Changeable ball bearing guide (Ø 9.5 mm) at the head		For milling end strips, fronts of drawers, cabinet doors and all ornamental strips with an inner radius. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		Can be combined with rounding over bit 3109 with respective radii 6, 4, 8 and 12.7 mm
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3148

 ○○○○
Premium

Finger Grip Bit

FAMAG®
...für Besserbohrer®


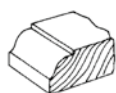
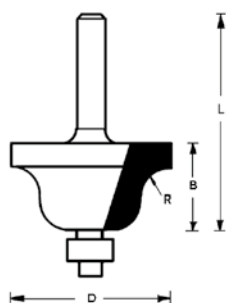
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3148.819	19,1	19	55,6		4,8		8	19.000	84,10

	Two carbide tipped side cutting edges in circumferential execution		For milling profiles, grooves and handle strips
	High quality carbide tipping		For all standard routers with chuck. Manual feed is allowed
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3113

 ○○○○
Premium

Roman Ogee Bit

FAMAG®
...für Besserbohrer®


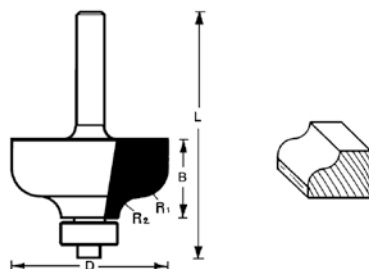
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3113.625	25,4	16	54		4		6	17.000	59,05
3113.634	34,9	20	57		6,4		6	16.000	65,35
3113.825	25,4	16	54		4		8	17.000	59,05
3113.834	34,9	20	57		6,4		8	16.000	65,30

	Two carbide tipped side cutting edges in circumferential execution. Changeable ball bearing guide (Ø 9.5 mm) at the head		For milling ornamental strips at picture frames, table edges, fronts of wardrobes, drawers, baseboards etc. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		For getting good results we recommend milling in repeated worksteps
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3138

 ○○○○
Premium

Ogee Fillet Bit

FAMAG
...für Besserbohrer®


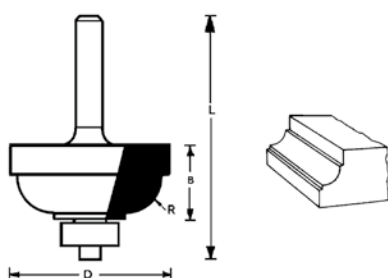
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3138.834	34,9	17,5	55,6		6	5	8	16.000	84,85

	Two carbide tipped side cutting edges in circumferential execution. Changeable ball bearing guide (Ø 12.7 mm) at the head		For milling ornamental strips at picture frames, table edges, fronts of wardrobes, drawers, baseboards etc. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		Specially for ornamenting the fronts of wardrobes and drawers. Because of the two ground radii without edges you can produce curves without rabbets
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3139

 ○○○○
Premium

Classic Cove Bit

FAMAG
...für Besserbohrer®


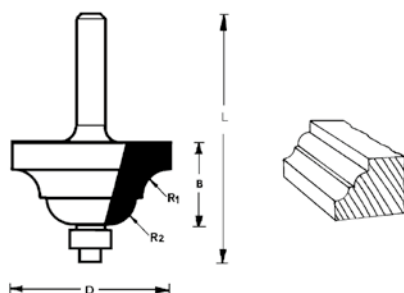
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3139.628	28,6	12,7	51		4,8		6	16.000	73,10
3139.828	28,6	12,7	51		4,8		8	16.000	73,10

	Two carbide tipped side cutting edges in circumferential execution. Changeable ball bearing guide (Ø 12.7 mm) at the head		For milling ornamental strips at picture frames, table edges, fronts of wardrobes, drawers, baseboards etc. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		If you want to cut a chamfer without rabbets we recommend the core bit 3112
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3134

 ○○○○
Premium

Classical Bit

FAMAG®
...für Besserbohrer®


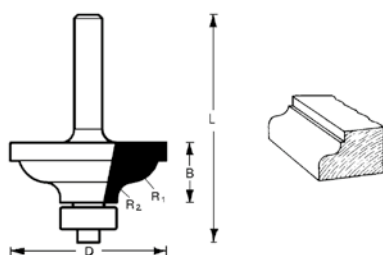
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3134.625	25,4	16	54		4		6	17.000	65,40
3134.634	34,9	20	57		6,35		6	16.000	66,75
3134.825	25,4	16	54		4		8	17.000	65,40
3134.834	34,9	20	57		6,35		8	16.000	66,75

	Two carbide tipped side cutting edges in circumferential execution. Changeable ball bearing guide (Ø 9.5 mm) at the head		For milling ornamental strips at picture frames, table edges, fronts of wardrobes, drawers, baseboards etc. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		For getting good results we recommend milling in repeated worksteps
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3121

 ○○○○
Premium

Ogee Fillet Bit

FAMAG®
...für Besserbohrer®


Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3121.634	34,9	13,5	52,4		4	4	6	16.000	95,60
3121.834	34,9	13,5	52,4		4	4	8	17.000	95,60

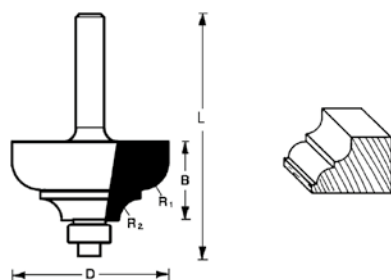
	Two carbide tipped side cutting edges with two radii and circumferential execution Changeable ball bearing guide (Ø 12.7 mm) at the head		For milling decorative profiles at ornaments, fronts of furniture and drawers and tabletops. Suitable for all kinds of solid wood laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		To get smooth surfaces we recommend to mill in repeated worksteps
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

Technical changing or mistakes reserved! All prices are recommended retail prices additionally value added tax.

3135

 ○○○○
Premium

Ogee Fillet Bit

FAMAG
...für Besserbohrer®


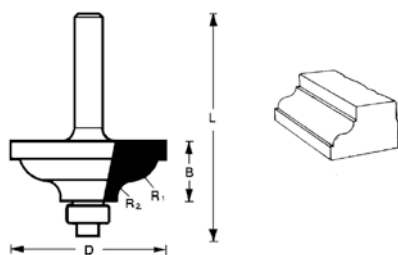
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3135.834	34,9	17,5	56		6,4	5	8	16.000	95,75

	Two carbide tipped side cutting edges in circumferential execution. Changeable ball bearing guide (Ø 9.5 mm) at the head		For milling ornamental strips at picture frames, table edges, fronts of wardrobes, drawers, baseboards etc. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual feed is allowed
	High quality carbide tipping		For getting good results we recommend milling in repeated worksteps
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3122

 ○○○○
Premium

Ogee Fillet Bit

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...für Besserbohrer®


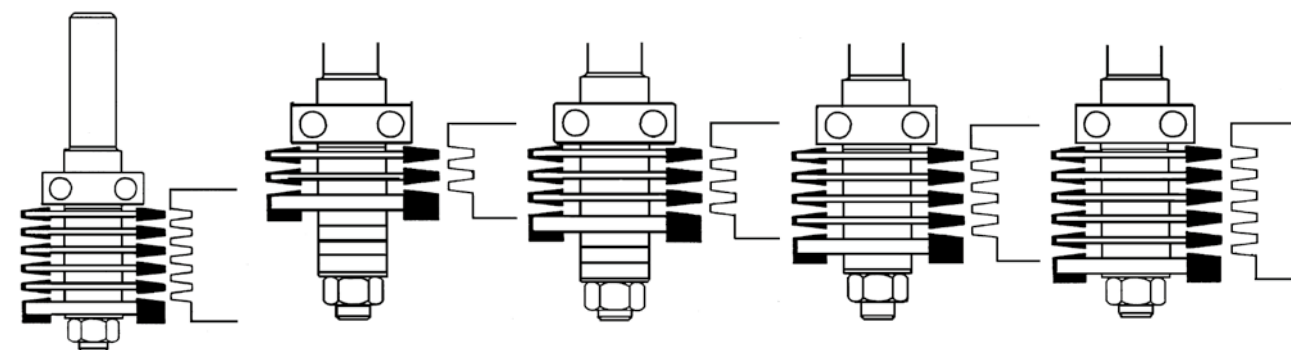
Order No.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3122.634	34,9	13,5	52,4		4	4	6	16.000	95,60
3122.834	34,9	13,5	52,4		4	4	8	17.000	95,60

	Two carbide tipped side cutting edges with two radii in circumferential execution Changeable ball bearing guide (Ø 9.5 mm) at the head		For milling decorative profiles with rabbets at ornaments, fronts of furniture and drawers and tabletops. Manual feed is allowed
	High quality carbide tipping		To get smooth surfaces we recommend milling in repeated worksteps. If you want to cut a profile without rabbet we recommend the ogee fillet bit 3121 with ball bearing guide Ø 12.7 mm
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3158

 ○○○○
Premium

Finger Jointer Set

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...für Besserbohrer®


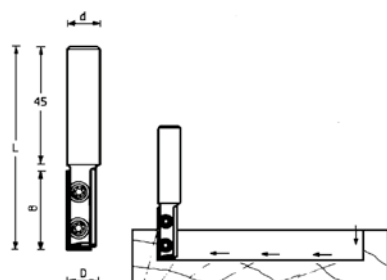
Order No.	Kurz-Nr.	D [mm]	Cutting l. [mm]	L [mm]	< [°]	R1 [mm]	R2 [mm]	S-Ø [mm]	max r.p.m [1/min]	€
3158.939	64/12	39,7						12	15.000	158,65

	Composed of shank with ball bearing guide (Ø 28 mm), spacers, washer, mounting nut and 6 slotting cutters, carbide tipped for plunging		Produce a geometry of slots with this router bit at the front surface of the connecting workpiece. The milled matching part can be glued firmly. Manual feed is allowed. Suitable for wood 11 - 36 mm thick
	High quality carbide tipping		The produced connections are specially stable and nearly invisible because of the greater glue line
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3217

 ○○○○
Premium

Straight And Plunge Bit One Blade

FAMAG®
...für Besserbohrer®


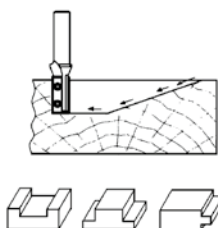
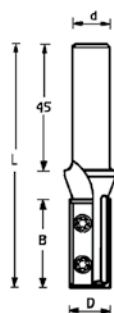
Order No.	D [mm]	Cutting l. [mm]	OAL [mm]	S-Ø [mm]	Reversing blade carbide [Order no.]	max r.p.m [1/min]	€
3217.932	12	30	77	12	3290.930	22.000	88,20
3217.934	14	30	77	12	3290.930	20.000	88,85
3217.936	16	30	88	12	3290.130	18.000	89,65
3217.956	16	50	107	12	3290.050	18.000	105,55
3217.938	18	30	88	12	3290.130	18.000	91,85
3217.958	18	50	107	12	3290.050	18.000	108,55
3217.940	20	30	88	12	3290.130	16.000	94,55
3217.960	20	50	107	12	3290.050	16.000	112,55
3217.942	22	30	88	12	3290.130	16.000	96,60

	A carbide tipped changeable blade parallel to the shank, side and end cutting. The blade can be used as cutting bit		For grooving, cutting finger joints and matched joints. Because of the carbide tipped head of the blade plunging is possible without restrictions. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual and mechanical feed is allowed
	High quality carbide reversing blade		Long endurance and little downtime, because the blades are quickly changed and regrinding is not necessary. If you don't want to use the bit for plunging we recommend version 3227
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3227

 ○○○○
Premium

Staggered Straight Bit Two Blade

FAMAG®
...für Besserbohrer®


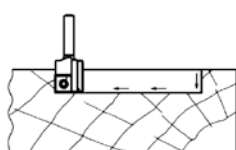
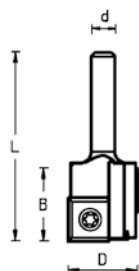
Order No.	D [mm]	Cutting l. [mm]	OAL [mm]	S-Ø [mm]	Reversing blade carbide [Order no.]	max r.p.m [1/min]	€
3227.934	14	30	86	12	3290.930	20.000	107,70
3227.936	16	30	88	12	3290.930	20.000	109,10
3227.956	16	50	107	12	3290.930	18.000	128,40
3227.938	18	30	88	12	3290.130	18.000	111,55
3227.958	18	50	107	12	3290.130	18.000	132,25
3227.960	20	50	107	12	3290.130	16.000	137,20
3227.942	22	30	88	12	3290.130	16.000	117,90
3227.962	22	50	107	12	3290.130	16.000	141,55

	Two carbide tipped, changeable side cutting blades parallel to the shank		For grooving, cutting finger joints and matched joints. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual and mechanical feed is allowed
	High quality carbide reversing blade		Long endurance and little downtime, because the blades are quickly changed and regrinding is not necessary. If you want to use the bit for plunging we recommend version 3217
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3207

 ○○○○
Premium

Staggered Straight And Plunge Bit Two Blade

FAMAG®
...für Besserbohrer®


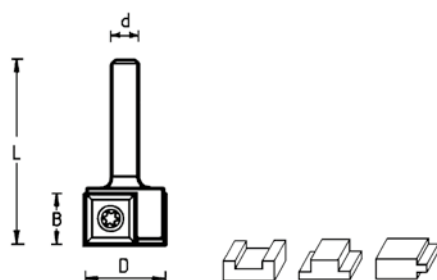
Order No.	D [mm]	Cutting l. [mm]	OAL [mm]	S-Ø [mm]	Reversing blade carbide [Order no.]	max r.p.m [1/min]	€
3207.618	18	20	52	6	3290.012	22.000	96,50
3207.620	20	20	52	6	3290.012	22.000	102,05
3207.622	22	20	52	6	3290.012	20.000	104,75
3207.818	18	20	52	8	3290.012	24.000	96,50
3207.820	20	20	52	8	3290.012	22.000	102,05
3207.822	22	20	52	8	3290.012	22.000	104,75

	Two carbide tipped, changeable side and end cutting blades parallel to the shank. The blades are constructed in an angle of 90° and one blade can be used as cutting bit		For grooving, cutting finger joints and matched joints. Because of the carbide tipped head of the blade plunging is possible without restrictions. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual and mechanical feed is allowed
	High quality carbide reversing blade		Long endurance and little downtime, because the blades are quickly changed and regrinding is not necessary. If you don't want to use the bit for plunging we recommend version 3203
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3203

 ○○○○
Premium

Flush Trimming Bit - No Plunge Two Blade

FAMAG
...für Besserbohrer®


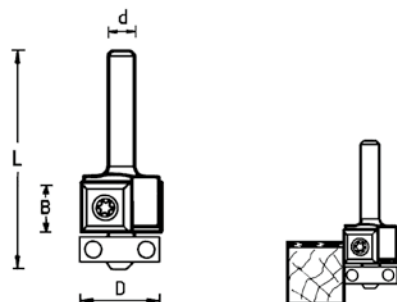
Order No.	D [mm]	Cutting l. [mm]	OAL [mm]	S-Ø [mm]	Reversing blade carbide [Order no.]	max r.p.m [1/min]	€
3203.620	20	12	44	6	3290.012	22.000	83,95
3203.622	22	12	44	6	3290.012	20.000	88,65
3203.818	18	12	44	8	3290.012	24.000	81,65
3203.820	20	12	44	8	3290.012	24.000	83,95

	Two axially carbide tipped, changeable side cutting blades parallel to the shank, circumferential execution		For grooving, cutting finger joints and matched joints. Suitable for all kinds of solid wood, laminated materials and some plastics. Manual and mechanical feed is allowed
	High quality carbide reversing blade		Long endurance and little downtime, because the blades are quickly changed and regrinding is not necessary. If you want to use the bit for plunging we recommend version 3207
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3201

 ○○○○
Premium

Flush Trimming Bit

FAMAG
...für Besserbohrer®


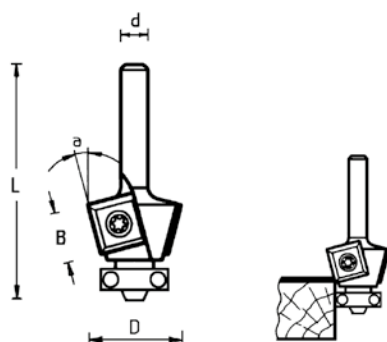
Order No.	D [mm]	Cutting l. [mm]	OAL [mm]	S-Ø [mm]	Reversing blade carbide [Order no.]	max r.p.m [1/min]	€
3201.612	19	12	52	6	3290.012	22.000	88,65
3201.630	19	30	70	6	3290.030	22.000	104,75
3201.812	19	12	54	8	3290.012	24.000	88,65
3201.830	19	30	72	8	3290.030	24.000	104,75

	Two axially carbide tipped, changeable side cutting blades parallel to the shank in circumferential execution. Changeable ball bearing guide (Ø 19 mm) at the head		For chamfering and milling edges at all kinds of solid wood, laminated materials and some plastics. Manual feed is allowed
	High quality carbide reversing blade		Long endurance and little downtime, because the blades are quickly changed and regrinding is not necessary
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3202

 ○○○○
Premium

Bevel Trimming Bit

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...für Besserbohrer®


Order No.	D [mm]	Cutting l. [mm]	OAL [mm]	< [°]	S-Ø [mm]	Reversing blade carbide [Order no.]	max r.p.m [1/min]	€
3202.615	20	12	55	15	6	3290.012	22.000	97,80
3202.630	26	12	54	30	6	3290.012	18.000	109,45
3202.645	27	12	57	45	6	3290.012	16.000	111,05
3202.815	20	12	55	15	8	3290.012	24.000	97,80
3202.830	26	12	54	30	8	3290.012	20.000	109,45
3202.845	27	12	57	45	8	3290.012	18.000	111,05

	Two carbide tipped, changeable side cutting blades parallel to the shank only circumferential execution. Changeable ball bearing guide (Ø 15.9 mm) at the head		For milling profiles, grooves and chamfers at nearly all kinds of solid wood, laminated materials and plastics also CORIAN etc.
	High quality carbide reversing blade		Long endurance and little downtime, because the blades are quickly changed and regrinding is not necessary
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3191

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Premium

Ball Bearings

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...für Besserbohrer®

Order No.	Description	O-Ø [mm]	AØ [Inch]	I-Ø [mm]	IØ [Inch]	Height [mm]	€
3191.001	To item Number: 3112, 3113, 3118, 3134	9,5	3/8	3,2	1/8		11,70
3191.004	To item Number: 3119, 3122, 3135	9,5	3/8	4,8	3/16		12,95
3191.005	To item Number: 3157, 3202.615/630/815 /830	15,9	5/8	6,4	1/4	5,0	12,95
3191.007	To item Number: 3101, 3102, 3109, 3114, 3121, 3138, 3139	12,7	1/2	4,8	3/16		12,95
3191.010	To item Number: 3123	16,0		5,0			12,95
3191.114	Zu Art.-Nr. 3202.645/845	12,7	1/2	6,4	1/4	4,8	15,05

	Premium ball bearing with attachment screw and spacer (not for bevel trimming bits)		Applicable to all FAMAG router bits and bevel trimming bits with ball bearing guide. Please pay attention whether you order for a router bit or for a bevel trimming bit
			Only use FAMAG ball bearings for the FAMAG router bits
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

3195

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Premium







(suitable to 3191) Wrenches and Bolts for 3191

FAMAG®
...für Besserbohrer®

Order No.	Description	SW [Inch]	Wrench size [mm]	€
3195.064	appropriate for item number: 3191.001	5/64"	1,98	4,45
3195.332	appropriate for item number: 3191.004, 3191.007	3/32"	2,38	5,25

Order No.	Description	SW [Inch]	Wrench size [mm]	€
3295.015	appropriate for al mentioned item numbers		T15	7,05

Order No.	SW [Inch]	Wrench size [mm]	€
3291.035		M 3,5	3,65
3291.040		M 4	2,75

	Wrenches		Applicable to all FAMAG ball bearings 3191
	Chrome vanadium steel		Only the wrench 3195.332 fits to the hexagon socket (5/64")
	Dependig on the skills		packing unit = 1. Self service. EAN







3290

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Premium

Reversing blade carbide

FAMAG®
...für Besserbohrer®

Order No.	Cutting l. [mm]	Height [mm]	thickness [mm]	Torx-Schr.	€
3290.012	12	12	1,5	3291.040	5,25
3290.030	12	30	1,5	3291.040	6,80
3290.050	12	50	1,5	3291.035	13,05
3290.130	12	30	1,5	3291.035	12,80
3290.930	9	30	1,5	3291.035	6,70

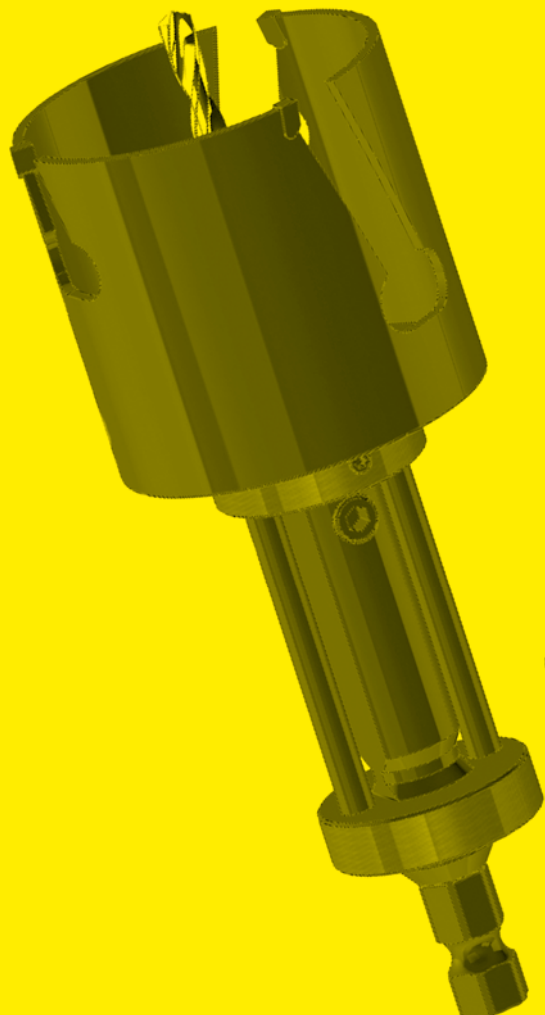
	High quality reversing blades of carbide for the exchange of FAMAG insert cutters		Use only the original inserts for the FAMAG-insert cutters, so you will save your time and trouble.
	High quality reversing blades of carbide		These reversing blades are specifically designed for the FAMAG cutters with indexable inserts and simply the best fit
	Individual for every router bit, see parameters of product		packing unit = 1. Self service. EAN

PAROLI all-round

FAMAG®
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NEW



Hole saws

97

PAROLI all-round 50, TCT-hole saw	98
PAROLI all-round 165, TCT-hole saw	99
PAROLI 100 insulation-hole saw	100
PAROLI Bi-Metal-hole saw HSS-Co	101
Hole saw, Carbide-tipped	102
Bi-Metal Hole saw HSS rollershutter	103
Classic Hole saw	104
Hole saw for carpentry	105



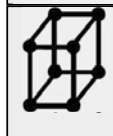

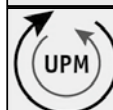
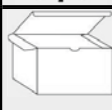
FAMAG®
Paroli



NEW



Order No.	O-Ø [mm]	AØ [Inch]	Cutting l. [mm]	€
2166.035	35	1 3/8	50	16,20
2166.040	40	1 9/16	50	16,20
2166.045	45	-	50	16,80
2166.050	50	-	50	21,05
2166.051	51	2	50	21,05
2166.054	54	2 1/8	50	21,50
2166.057	57	2 1/4	50	21,70
2166.060	60	2 3/8	50	23,00
2166.064	64	2 1/2	50	26,40
2166.065	65	2 9/16	50	26,40
2166.068	68	2 11/16	50	27,90
2166.070	70	2 3/4	50	28,35
2166.073	73	2 7/8	50	28,35
2166.074	74	-	50	28,35
2166.076	76	3	50	30,00
2166.080	80	-	50	29,40
2166.082	82	-	50	29,40
2166.086	86	3 3/8	50	30,85
2166.092	92	3 5/8	50	30,85
2166.102	102	4	50	39,25
2166.105	105	4 1/8	50	39,25
2166.111	111	4 3/8	50	42,45
2166.114	114	4 1/2	50	44,05
2166.121	121	4 3/4	50	57,10
2166.125	125	-	50	60,90
2166.133	133	5 1/2	50	67,75
2166.140	140	5 1/2	50	67,75
2166.152	152	6	50	77,15
2166.160	160	6 5/16	50	88,30
2166.165	165	-	50	92,40
2166.177	177	7	50	101,05
2166.185	185	-	50	110,75
2166.210	210	8 1/4	50	120,20
Ejector-shank system				
Order No.	Description			€
2166.309	Ejector-shank incl. HSS centre drill for PAROLI 50			24,95
2166.313	Ejector-shank incl. HM centre drill for PAROLI 50			27,45
2166.319	single HSS centre drill for PAROLI 50			3,95
2166.323	single HM centre drill for PAROLI 50			6,45
Edge countersink cap				
Order No.	Description			€
2166.468	Edge countersink cap Ø 68mm for PAROLI 50			26,05
Sets				
Order No.	Description			€
2166.805	7 pcs. Set: Ø 35, 45, 50, 60, 68, 80 + Ejector-shank			143,50
2166.807	8 pcs. Set: Ø 35, 50, 57, 60, 68, 80 + Edge countersink cap 68mm + Ejector-shank			171,50

	Carbide tipped hole saw, the saw body is made of steel, cutting depth 50 mm		Drilling in all kinds of woods and boards, MDF, aerated concrete, plaster board, plastics and tile
	Carbide tipped		By using the utmost clever ejector-shank system, you can easily remove the core and saves a lot of time and trouble
	A great torque is required at big diameters. Speed according to the diagram		packing unit: 1 at Rose Clip. EAN

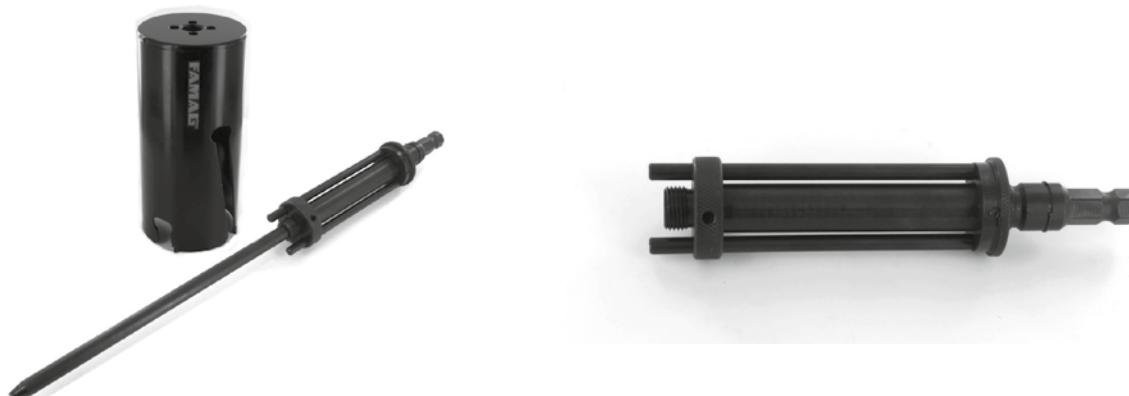
2169

○○○
Profi

PAROLI all-round 165, TCT-hole saw

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NEW



Order No.	O-Ø [mm]	Cutting l. [mm]	€
2169.051	51	165	65,65
2169.060	60	165	73,80
2169.070	70	165	87,05
2169.080	80	165	97,95
2169.102	102	165	110,50
2169.111	111	165	123,55
2169.121	121	165	143,65
2169.130	133	165	166,30
2169.152	152	165	190,75
2169.160	160	165	242,40

Ejector shank system

Order No.	Description	€
2169.309	Ejector-shank for PAROLI 165	25,40
2169.310	Ejector-shank incl. guiding spike for PAROLI 165	32,90
2169.320	single guiding spike for PAROLI 165	7,60

	Carbide tipped hole saw, the saw body is made of steel, cutting depth 165 mm		Drilling in all kinds of woods and boards (also solid wood), MDF, aerated concrete, plaster board and plastics. The large length is ideal for drilling through holes in solid wood for ventilation, drainage and flue pipes
	Carbide tipped		By using the utmost clever ejector-shank system, you can easily remove the core and saves a lot of time and trouble
	A great torque is required at big diameters. Speed according to the diagram		packing unit: 1 at Rose Clip. EAN

2155

 ○○○
 Profi

PAROLI 100 insulation-hole saw

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NEW



Standard

Order No.	O-Ø [mm]	Cutting l. [mm]	€
2155.035	35	105	59,95
2155.065	65	105	83,30
2155.068	68	105	93,80
2155.074	74	105	104,20
2155.106	106,5	105	155,30
2155.121	121	105	166,75

Ejector shank system

Order No.	Description	€
2155.309	Ejector-shank for PAROLI 100	



First hole saw with serrated edge for really all insulation materials such as:
 Wood insulation boards, polystyrene, mineral wool, PU-foam etc. Very clean cuts



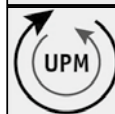
Fast, very clean and circular cuts in mineral wool, polyurethane foam, polystyrene foam, deather, rubber, paper, carpet and especially in wood fiber insulation boards



Alloyed tool steel



The drill core is removed by the ejector in a breath. Due to the thin-walled cutting, the core can to be used again





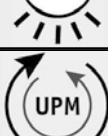



According to corresponding diagrams



packing unit = 1. in Yellow cardboard tube. Ø 106 + 121 in Carton. EAN

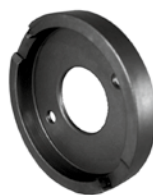


	Yellow painted bimetal hole saw with HSS teeth, variable pitch; weld on a cylindrical tool head of steel. Cutting depth 38 mm
	For boring at steel and nonferrous metal as copper, bronze and aluminium, plasterboards such wooden and laminated materials with column drilling machine or power drill. Due to the high quality of cobalt alloy and the special polished section you obtain a better cutting performance and a longer life
	Bimetal HSS M42, 8% Co
	When cutting metal it is recommended to cool the hole saw with cutting oil
	According to corresponding diagrams
	packing unit = 1. Folded box EAN

Order No.	O-Ø [mm]	AØ [Inch]	Cutting l. [mm]	€
2173.014	14	9/16	35	16,10
2173.016	16	5/8	35	16,10
2173.017	17	11/16	35	16,10
2173.019	19	3/4	35	16,10
2173.020	20	-	35	16,10
2173.021	21	13/16	35	16,10
2173.022	22	7/8	35	16,10
2173.024	24	15/16	35	16,60
2173.025	25	-	35	16,65
2173.029	29	-	35	16,65
2173.030	30	1 3/16	35	16,65
2173.032	32	1 1/4	35	17,10
2173.033	33	1 5/16	35	17,10
2173.035	35	1 3/8	35	17,90
2173.037	37	1 7/16	35	17,90
2173.038	38	1 1/2	35	17,90
2173.040	40	1 9/16	35	18,90
2173.041	41	1 5/8	35	18,90
2173.043	43	1 11/16	35	20,45
2173.044	44	1 3/4	35	20,95
2173.046	46	1 13/16	35	20,95
2173.048	48	1 7/8	35	20,95
2173.051	51	-	35	20,95
2173.052	52	2 1/16	35	22,05
2173.054	54	2 1/8	35	22,05
2173.056	56	-	35	23,25
2173.057	57	2 1/4	35	23,25
2173.059	59	2 5/16	35	24,20
2173.060	60	2 3/8	35	24,20
2173.064	64	2 1/2	35	25,35
2173.065	65	2 9/16	35	25,35
2173.067	67	2 5/8	35	25,75
2173.068	68	2 11/16	35	25,75
2173.070	70	2 3/4	35	26,45
2173.073	73	2 7/8	35	26,45
2173.076	76	-	35	27,65
2173.083	83	3 1/4	35	28,15
2173.086	86	3 3/8	35	28,15
2173.089	89	3 1/2	35	28,15
2173.092	92	3 5/8	35	31,95
2173.095	95	3 3/4	35	33,50
2173.098	98	3 7/8	35	35,05
2173.102	102	-	35	36,00
2173.105	105	4 1/8	35	39,75
2173.108	108	4 1/4	35	44,90
2173.111	111	4 3/8	35	47,80
2173.114	114	4 1/2	35	53,10
2173.121	121	4 3/4	35	55,80
2173.127	127	-	35	57,55
2173.133	133	5 1/2	35	61,25
2173.140	140	5 1/2	35	65,50
2173.146	146	-	35	67,55
2173.152	152	-	35	72,60
2173.160	160	6 5/16	35	103,50
2173.168	168	6 5/8	35	107,40
2173.177	177	-	35	111,50
2173.185	185	-	35	120,80
2173.200	200	-	35	124,95
2173.210	210	8 1/4	35	131,15

Ejector shank system

Order No.	Description	€
2173.901	Adaptor 14 - 30 mm SW 9,5 mm	9,55
2173.905	Adaptor 32-210 mm SW 11,0 mm	15,05
2173.907	Adaptor 14 - 30 mm mit SDS-shank	17,85
2173.908	Adaptor 32-210 mm mit SDS-shank	17,85
2166.309	Ejector-shank incl. HSS centre drill for PAROLI 50	24,95
2166.319	single HSS centre drill for PAROLI 50	3,95



Order No.	O-Ø [mm]	AZ	Cutting l. [mm]	€
2160.030	30	3	60	44,10
2160.040	40	3	60	53,65
2160.050	50	3	60	63,25
2160.055	55	3	60	64,30
2160.060	60	5	60	65,20
2160.065	65	5	60	72,95
2160.068	68	5	60	71,80
2160.080	80	5	60	110,35
2160.090	90	5	60	120,65
2160.105	105	6	60	150,35

Edge countersink

Order No.	O-Ø [mm]	AZ	€
2160.468	68	3	45,95

Shanks

Order No.	O-Ø [mm]	I-Ø [mm]	OAL [mm]	S-Ø [mm]	€
2160.201	M16	8	70	13	24,95
2160.203	M16	8	90	SDS	29,95

Centre drill

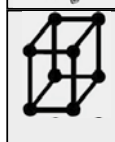
Order No.	O-Ø [mm]	Mat. [mm]	OAL [mm]	S-Ø [mm]	€
2160.307	10	HM	133	8	8,90
2160.308	8	HSS	105	8	9,35



Carbide tipped hole saw; the saw body is made of tempered steel; internal thread M16 to hold the shank. Max. cutting depth 60 mm



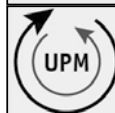
Drilling to plaster boards, aerated concrete, plastics, chipboards and plywood. Please order shanks and centre drills separately



Carbide tipped



With the edge countersink and hole saw 2160.068 you are able to countersink a flush box.



A great torque is required at great diameters. Also find details at the speed diameters



packing unit = 1. Plastic sleeve. EAN



Holesaw incl. shank and pre-drill:



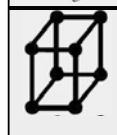

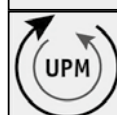

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
2174.017	17	12	220	100	62,40
2174.022	22	12	220	100	62,40
2174.025	25	12	220	100	62,40

Holesaw without shank and pre-drill:

Order No.	O-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
2174.117	17	140	100	41,65
2174.122	22	140	100	41,65
2174.125	25	140	100	41,65

Accessory

Order No.	Description	€
2174.301	Hex shank complete with pre-drill Ø 7 mm	20,80
2174.307	Pre-drill Ø 7 mm for holesaw ref. 2174	5,75

	Special hole saw to install roller blinds on window frames. Incl. Hex shank and pre-drill bit to place the hole saw in position		During the installation of the roller blinds you have to drilling holes in the window frames for the cords. This was so far always a present problem, but now with this hole saw the problem finish
	HSS Bi-metal		Remove after the first cut the pre-drill bit from the hole saw. This reduces the cutting forces and it can work much more easily
	500 - 750 min-1		packing unit = 1. PE tube. EAN

2175

Classic

Classic Hole Saw



Order No.	Description	Sägen	S-Ø [mm]	UL [mm]	€
2175.000	Ø = 19, 22, 28, 36, 44, 51, 60, 68 and 82 mm	9	6,5/10	25	31,25

	9 roughly toothed caps, centre drill, hexagon key, small and big arbor made of steel, cutting depth ca. 25 mm		Easy cutting of plasterboard, wood, plastics and other building materials because of the rough toothing
	Tungston steel		This set contains two arbors, one for the small hole saws and the other one for the big sizes of diameters
	Power drill, depending on the material and Ø. E.g. Ø 51 mm drilling to plasterboard ~ 1000 min-1		packing unit = 5. Welded on cardboard. EAN



Order No.	O-Ø [mm]	S	OAL [mm]	Cutting l. [mm]	€
2170.086	86	SW12	420	300	212,50
2170.111	111	SW12	420	300	267,00
2170.130	130	SW12	420	300	315,60
2170.152	152	SW12	420	300	394,45
2170.170	170	SW12	420	300	436,95
2170.200	200	SW12	420	300	515,80

Guiding spike and drill head.

Order No.	O-Ø [mm]	S	OAL [mm]	Cutting l. [mm]	€
2170.030	19,5	12	460	410	72,85

Guiding spike single

Order No.	O-Ø [mm]	S	OAL [mm]	Cutting l. [mm]	€
2170.010	19,5	12	430	380	52,20

Drill head single

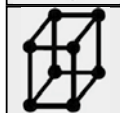
Order No.	O-Ø [mm]	S	OAL [mm]	Cutting l. [mm]	€
3690.002	8 - 20	8	70	44	27,55



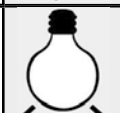
Special holesaw bi-metal with variable pitch of teeth. The teeth HSS are welded on the cylindrical carrier which has a usable length of 300 mm. Incl. Exchangeable hexagon shank (SW 12). Please order separately guiding spike and drill head



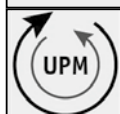
For drilling holes with great diameters in one work step e.g. the lead through of flue and air inlet pipes in roof construction. The high quality hole saw cuts all sorts of insulating materials (fibreglass, rockwool, styrofoam etc.) wood and chipboards and gypsum plaster boards



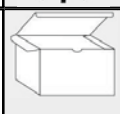
Bimetal HSS M42, 8% Co



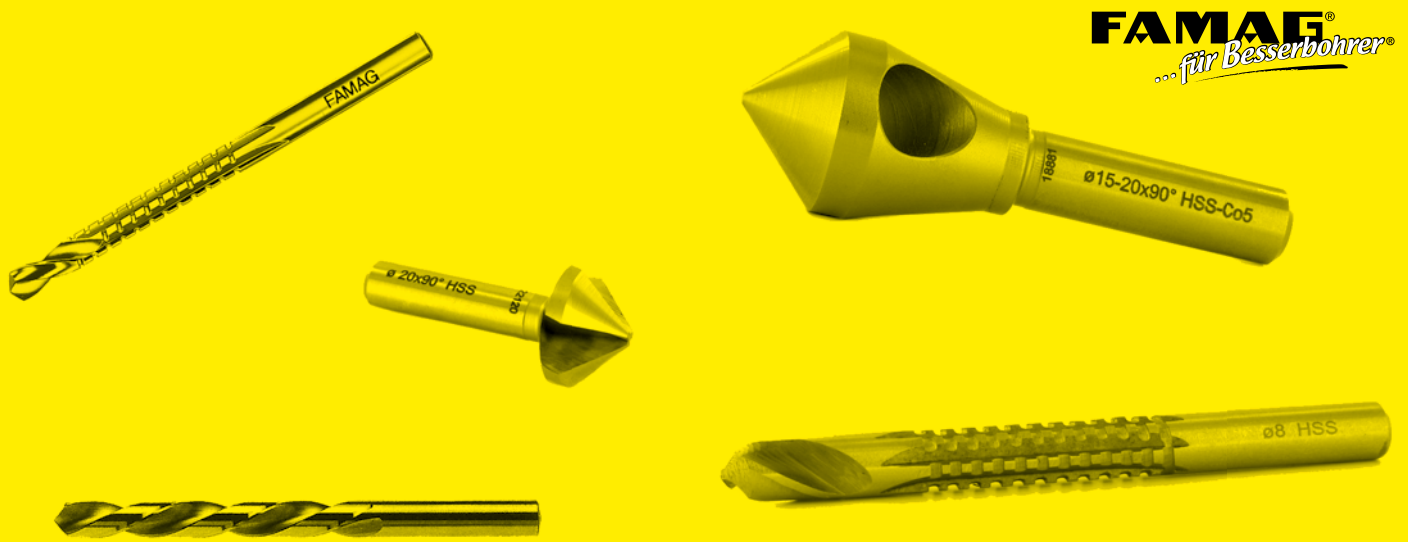
Cutting of solid wood thicker than 30 mm, and stone and metal is not possible. The hole saw for carpentry can be used freehand with a strong power drill



great diameters ca. 500 min-1



packing unit = 1. Yellow cardboard tube. EAN

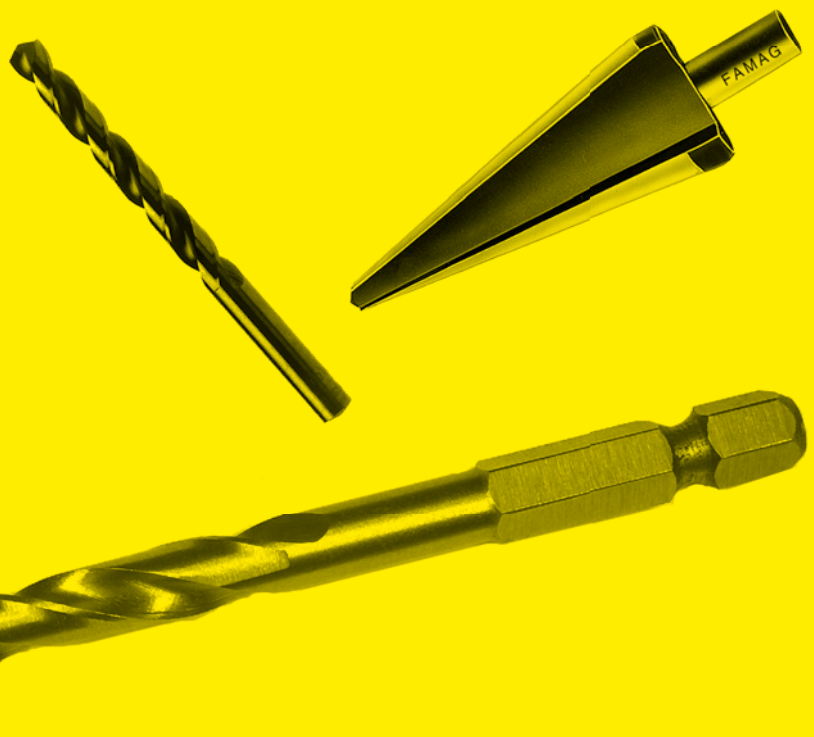


Twist drills and countersinks for metal

107



Twist Drill short version with 1/4" Hexagon Drive (Bit)	108
L-Shaped Driver PR075	110
Twist Drills DIN 338, fully ground	111
Twist Drills, Co 5%, DIN 338, fully ground with split point	114
Twist Drills HSS-TiN DIN 338, fully ground titanium coated	117
Twist Drills double end, fully ground	118
Twist Drills, Co 5%, DIN 340, fully ground with split point	119
Twist Drills, Co 5%, DIN 1669, fully ground, packaged	120
Twist Drill long version HSS-G	121
Drill and milling cutter HSS	122
Countersink for machine	122
Hole enlarger	123
Step drill HSS	124



2596

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Twist Drill short version with 1/4" Hexagon Drive (Bit)

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Order No.	O-Ø [mm]	Shank type [mm]	OAL [mm]	Spiral l. [mm]	€
2596.030	3	C 6,3	38	16	6,60
2596.033	3,3	C 6,3	40	18	6,60
2596.035	3,5	C 6,3	40	18	6,60
2596.040	4	C 6,3	44	20	6,60
2596.042	4,2	C 6,3	46	24	6,80
2596.045	4,5	C 6,3	46	24	6,80
2596.050	5	C 6,3	50	26	6,80
2596.055	5,5	C 6,3	50	26	7,30
2596.060	6	C 6,3	50	26	7,30
2596.065	6,5	C 6,3	50	30	7,30
2596.068	6,8	C 6,3	50	30	7,30
2596.070	7	C 6,3	50	30	7,30
2596.075	7,5	C 6,3	51	32	9,15
2596.080	8	C 6,3	51	32	9,15
2596.085	8,5	C 6,3	53	33	9,90
2596.090	9	C 6,3	53	33	11,20
2596.100	10	C 6,3	54	38	11,20

Sets

Order No.	Description	€
2596.805	Set of 5 pieces in plastic box. Ø 3, 4, 5, 6, 8 mm	32,70
2596.508	Set of 9 pieces in wooden case. Ø 3, 4, 5, 6, 7, 8, 9, 10 mm and bitholder	62,65

	Twist drill ground from the solid, short version with hexagon drive (1/4"; E 6,3), polished section of the envelope of cone 118°, bright		For boring to alloyed and non alloyed steel and cast steel up to 900 N/mm², grey and malleable iron, etc. with a cordless screwdriver. The ground chip flutes guarantee good chip removal
	HSS-G		It is recommended to use lockable bit holder to avoid the drill bit getting jammed in the drill hole
	Corresponding diagrams or cordless screwdriver		packing unit = 1. PE tube. EAN

2597


 Profi







Twist Drill long version with 1/4" Hexagon Drive (Bit)

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Order No.	O-Ø [mm]	SØ [mm]	OAL [mm]	Spiral l. [mm]	€
2597.030	3	E 6,3	70	35	6,60
2597.033	3,3	E 6,3	70	35	6,60
2597.035	3,5	E 6,3	70	35	6,60
2597.040	4	E 6,3	75	40	6,60
2597.042	4,2	E 6,3	80	45	6,80
2597.045	4,5	E 6,3	80	45	6,80
2597.050	5	E 6,3	86	51	6,80
2597.055	5,5	E 6,3	93	57	7,30
2597.060	6	E 6,3	93	57	7,30
2597.065	6,5	E 6,3	101	63	7,30
2597.068	6,8	E 6,3	101	63	7,30
2597.070	7	E 6,3	109	69	7,30
2597.075	7,5	E 6,3	109	69	9,15
2597.080	8	E 6,3	117	75	9,15
2597.085	8,5	E 6,3	117	75	9,90
2597.090	9	E 6,3	125	81	11,20
2597.100	10	E 6,3	133	87	11,20
2597.110	11	E 6,3	142	94	14,15
2597.120	12	E 6,3	151	101	15,50
2597.130	13	E 6,3	151	101	16,65

Sets

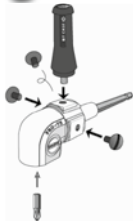
Order No.	Description	€
2597.805	Set of 5 pieces in plastic box. Ø 3, 4, 5, 6, 8 mm	32,70

	Twist drill ground from the solid, long version with hexagon drive (1/4"; E 6,3), polished section of the envelope of cone 118°		For boring to alloyed and non alloyed steel and cast steel up to 900 N/mm², grey and malleable iron, etc. with a cordless screwdriver
	HSS-G		It is recommended to use lockable bit holder to avoid the drill bit getting jammed in the drill hole
	Corresponding diagrams or cordless screwdriver		packing unit = 1. PE tube. EAN

1597.750

○○○
Profi

L-Shaped Driver PR075

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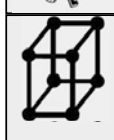
Order No.	Bit [mm]	Angle [°]	Height [mm]	€
1597.750	6,3	90°	40	89,10
Sets				
Order No.	Description			€
1597.757	Pro75 set in wooden case in version wood working. 1596 Ø 3, 4, 5, 6 mm, countersink, chuck and bits			113,70
1597.758	Pro75 set in wooden case in version metal working. 2596 Ø 3, 4, 5, 6 mm, countersink, chuck and bits			113,70
2597.612	Set 13 pcs. in bag. Type 1596 Ø 3, 4, 5, 6, 8, 10 mm, countersink and chuck			137,40
2597.613	Set 13 pcs. in bag. Type 1597 Ø 3, 4, 5, 6, 8, 10 mm, countersink and chuck			140,40



Stable L-shaped driver with casing made of aluminium and aslant toothed metal gear wheels (ideal transmission). Take up for all 1/4" bits and boring tools (e.g. 1596) with hex shank. Angle of screwing 90°, exchangeable plastic handle



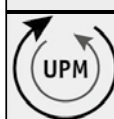
Professional screwing and drilling also in deep angles with cordless screwdriver



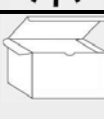
Casing made of aluminium



It's ideal for making screwed connections with a cordless screwdriver even when there is little space. Fine in combination with 1596/2596



Rotational speed of cordless screwdriver max 2000 min-1



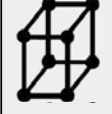





Packing unit = 1, Blister. EAN



Order No.	O-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
2410.010	1,0	34	12	1,15
2410.011	1,1	36	14	1,15
2410.012	1,2	38	16	1,15
2410.013	1,3	38	16	1,15
2410.014	1,4	40	18	1,15
2410.015	1,5	40	18	1,15
2410.016	1,6	43	20	1,15
2410.017	1,7	43	20	1,15
2410.018	1,8	46	22	1,15
2410.019	1,9	46	22	1,15
2410.020	2,0	49	24	1,15
2410.021	2,1	49	24	1,15
2410.022	2,2	53	27	1,15
2410.023	2,3	53	27	1,15
2410.024	2,4	57	30	1,15
2410.025	2,5	57	30	1,15
2410.026	2,6	57	30	1,20
2410.027	2,7	61	33	1,20
2410.028	2,8	61	33	1,20
2410.029	2,9	61	33	1,20
2410.030	3,0	61	33	1,20
2410.031	3,1	65	36	1,20
2410.032	3,2	65	36	1,20
2410.033	3,3	65	36	1,20
2410.034	3,4	70	39	1,20
2410.035	3,5	70	39	1,20
2410.036	3,6	70	39	1,30
2410.037	3,7	70	39	1,35
2410.038	3,8	75	43	1,40
2410.039	3,9	75	43	1,40
2410.040	4,0	75	43	1,40
2410.041	4,1	75	43	1,50
2410.042	4,2	75	43	1,50
2410.043	4,3	80	47	1,50
2410.044	4,4	80	47	1,50
2410.045	4,5	80	47	1,55
2410.046	4,6	80	47	1,55
2410.047	4,7	80	47	1,55
2410.048	4,8	86	52	1,55
2410.049	4,9	86	52	1,60
2410.050	5,0	86	52	1,60
2410.051	5,1	86	52	1,65
2410.052	5,2	86	52	1,65
2410.053	5,3	86	52	1,95
2410.054	5,4	93	57	1,95
2410.055	5,5	93	57	1,95
2410.056	5,6	93	57	1,95
2410.057	5,7	93	57	1,95
2410.058	5,8	93	57	2,05
2410.059	5,9	93	57	2,05
2410.060	6,0	93	57	1,95
2410.061	6,1	101	63	2,20
2410.062	6,2	101	63	2,20
2410.063	6,3	101	63	2,25
2410.064	6,4	101	63	2,25
2410.065	6,5	101	63	2,25
2410.066	6,6	101	63	2,60
2410.067	6,7	101	63	2,60
2410.068	6,8	109	69	2,55
2410.069	6,9	109	69	2,90
2410.070	7,0	109	69	2,70
2410.071	7,1	109	69	3,05
2410.072	7,2	109	69	3,05
2410.073	7,3	109	69	3,05
2410.074	7,4	109	69	3,05
2410.075	7,5	109	69	2,95
2410.076	7,6	117	75	3,35
2410.077	7,7	117	75	3,35
2410.078	7,8	117	75	3,35
2410.079	7,9	117	75	3,35
2410.080	8,0	117	75	3,35
2410.081	8,1	117	75	3,60
2410.082	8,2	117	75	3,60
2410.083	8,3	117	75	3,95
2410.084	8,4	117	75	3,95
2410.085	8,5	117	75	3,80
2410.086	8,6	125	81	4,35
2410.087	8,7	125	81	4,35
2410.088	8,8	125	81	4,35

Order No.	O-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
2410.089	8,9	125	81	4,35
2410.090	9,0	125	81	4,15
2410.091	9,1	125	81	4,60
2410.092	9,2	125	81	4,60
2410.093	9,3	125	81	4,60
2410.094	9,4	125	81	4,60
2410.095	9,5	125	81	4,70
2410.096	9,6	133	87	5,30
2410.097	9,7	133	87	5,30
2410.098	9,8	133	87	5,30
2410.099	9,9	133	87	5,30
2410.100	10,0	133	87	5,10
2410.102	10,2	133	87	6,45
2410.105	10,5	133	87	6,45
2410.110	11,0	142	94	7,25
2410.115	11,5	142	94	7,95
2410.120	12,0	151	101	8,90
2410.125	12,5	151	101	9,95
2410.130	13,0	151	101	10,95



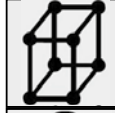
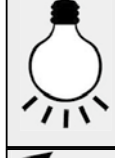
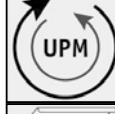

	Twist drill HSS-G DIN 338, ground from the solid, short, cylindrical, right-hand cutting, spiral type N, tolerance of diameter h 8. Polished section of the envelope of cone 118°, bright		Suitable for highest demands of industry and craft. For boring to alloyed and non alloyed steel and cast steel up to 900 N/mm², grey, ductile, sintered and malleable iron, nickel silver and graphite, etc.
	HSS-G		Professional quality for high demands. For highest demands e.g. high-grade steel V2A we recommend our version 2420 of cobalt alloyed HSS, with a special spiral and crosswise grinding
	Corresponding diagrams		packing unit = 10 pcs in PE box., from Ø 8,5 mm packing unit = 5. EAN. Price for each drill in a packing unit



Order No.	O-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
2411.010	1,0	34	12	1,90
2411.015	1,5	40	18	1,70
2411.020	2,0	49	24	1,60
2411.025	2,5	57	30	1,65
2411.030	3,0	61	33	1,60
2411.031	3,1	65	36	1,80
2411.032	3,2	65	36	1,80
2411.033	3,3	65	36	1,80
2411.035	3,5	70	39	1,75
2411.040	4,0	75	43	1,80
2411.041	4,1	75	43	2,10
2411.042	4,2	75	43	2,10
2411.045	4,5	80	47	2,05
2411.048	4,8	86	52	2,15
2411.050	5,0	86	52	1,95
2411.051	5,1	86	52	2,25
2411.052	5,2	86	52	2,25
2411.055	5,5	93	57	2,45
2411.060	6,0	93	57	2,45
2411.065	6,5	101	63	2,85
2411.068	6,8	109	69	3,55
2411.070	7,0	109	69	3,30
2411.075	7,5	109	69	3,55
2411.080	8,0	117	75	3,95
2411.085	8,5	117	75	4,45
2411.090	9,0	125	81	4,80
2411.095	9,5	125	81	5,40
2411.100	10,0	133	87	5,90
2411.102	10,2	133	87	7,05
2411.105	10,5	133	87	7,05
2411.110	11,0	142	94	7,90
2411.115	11,5	142	94	8,65
2411.120	12,0	151	101	9,60
2411.125	12,5	151	101	10,70
2411.130	13,0	151	101	11,60

Sets







Order No.	Description	€
2410.805	Set of 5 pieces, HSS-G. Ø 3, 4, 5, 6, 8 mm DIN 338	10,80

	Twist drill HSS-G DIN 338, ground from the solid, short, cylindrical, right-hand cutting, spiral type N, tolerance of diameter h8. Polished section of the envelope of cone 118°, bright
	Suitable for highest demands of industry and craft. For boring to alloyed and non alloyed steel and cast steel up to 900 N/mm², grey, ductile, sintered and malleable iron, nickel silver and graphite, etc.
	HSS-G
	Professional quality for high demands. For highest demands e.g. high-grade steel V2A we recommend our version 2420 of cobalt alloyed HSS, with a special spiral and crosswise grinding
	Corresponding diagrams
	packing unit = 1. PE tube. EAN



Order No.	O-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
2420.015	1,5	40	18	2,00
2420.016	1,6	43	20	2,05
2420.017	1,7	43	20	2,05
2420.018	1,8	46	22	2,05
2420.019	1,9	46	22	2,05
2420.020	2,0	49	24	2,10
2420.021	2,1	49	24	2,10
2420.022	2,2	53	27	2,10
2420.023	2,3	53	27	2,10
2420.024	2,4	57	30	2,10
2420.025	2,5	57	30	2,10
2420.026	2,6	57	30	2,25
2420.027	2,7	61	33	2,25
2420.028	2,8	61	33	2,25
2420.029	2,9	61	33	2,25
2420.030	3,0	61	33	2,25
2420.031	3,1	65	36	2,55
2420.032	3,2	65	36	2,55
2420.033	3,3	65	36	2,55
2420.034	3,4	70	39	2,55
2420.035	3,5	70	39	2,70
2420.036	3,6	70	39	2,70
2420.037	3,7	70	39	2,70
2420.038	3,8	75	43	2,70
2420.039	3,9	75	43	2,70
2420.040	4,0	75	43	3,00
2420.041	4,1	75	43	3,00
2420.042	4,2	75	43	3,00
2420.043	4,3	80	47	3,00
2420.044	4,4	80	47	3,00
2420.045	4,5	80	47	3,35
2420.046	4,6	80	47	3,45
2420.047	4,7	80	47	3,45
2420.048	4,8	86	52	3,45
2420.049	4,9	86	52	3,45
2420.050	5,0	86	52	3,65
2420.051	5,1	86	52	3,90
2420.052	5,2	86	52	3,90
2420.053	5,3	86	52	3,90
2420.054	5,4	93	57	3,90
2420.055	5,5	93	57	3,95
2420.056	5,6	93	57	4,45
2420.057	5,7	93	57	4,45
2420.058	5,8	93	57	4,45
2420.059	5,9	93	57	4,45
2420.060	6,0	93	57	4,60
2420.061	6,1	101	63	4,85
2420.062	6,2	101	63	4,85
2420.063	6,3	101	63	4,85
2420.064	6,4	101	63	4,85
2420.065	6,5	101	63	4,85
2420.066	6,6	101	63	5,80
2420.067	6,7	101	63	5,80
2420.068	6,8	109	69	5,80
2420.069	6,9	109	69	5,80
2420.070	7,0	109	69	5,80
2420.071	7,1	109	69	6,10
2420.072	7,2	109	69	6,10
2420.073	7,3	109	69	6,10
2420.074	7,4	109	69	6,10
2420.075	7,5	109	69	6,10
2420.076	7,6	117	75	6,90
2420.077	7,7	117	75	6,90
2420.078	7,8	117	75	6,90
2420.079	7,9	117	75	6,90
2420.080	8,0	117	75	7,10
2420.081	8,1	117	75	7,85
2420.082	8,2	117	75	7,85
2420.083	8,3	117	75	7,85
2420.084	8,4	117	75	7,85
2420.085	8,5	117	75	7,85
2420.086	8,6	125	81	8,50
2420.087	8,7	125	81	8,50
2420.088	8,8	125	81	8,50
2420.089	8,9	125	81	8,50
2420.090	9,0	125	81	8,50
2420.091	9,1	125	81	9,55
2420.092	9,2	125	81	9,55
2420.093	9,3	125	81	9,55

Order No.	O-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
2420.094	9,4	125	81	9,55
2420.095	9,5	125	81	9,55
2420.096	9,6	133	87	10,50
2420.097	9,7	133	87	10,50
2420.098	9,8	133	87	10,50
2420.099	9,9	133	87	10,50
2420.100	10,0	133	87	10,50
2420.102	10,2	133	87	16,50
2420.105	10,5	133	87	16,50
2420.110	11,0	142	94	16,50
2420.115	11,5	142	94	19,50
2420.120	12,0	151	101	19,50
2420.125	12,5	151	101	23,00
2420.130	13,0	151	101	23,00

	Twist drill of cobalt alloyed HSS-G DIN 338, ground from the solid, short, cylindrical, special spiral for good chip removal and for greasy materials. Crosswise grinding DIN 1412C, point angle 135°, tolerance of diameter h8. Polished section of the envelope of cone 118°, surface: bronze		For extraordinary demands of industry, craft and household. Very good for boring stainless steel V2A; V4A and steel with higher alloy content and/or strength over 1300 N/mm². Furthermore suitable for heat resistant, non-corroding and acid resisting steel, special alloy, malleable and cast iron, bronze, weld seams, chromium-nickel steel, aluminium, brass and all sorts of plastics
	HSS-G Co		Very good for hardest demands. Also the long version 2450 (DIN 340) is available. For sheet metal working we recommend version 2440 with spiral type N
	Corresponding diagrams		packing unit = 10 pcs in PE box., from Ø 8,5 mm packing unit = 5. EAN. Price for each drill in a packing unit

2421

 ○○○○
Premium

Twist Drills, Co 5%, DIN 338, fully ground with split point, packaged







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...für Besserbohrer®


Order No.	O-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
2421.015	1,5	40	18	2,75
2421.020	2,0	49	24	2,85
2421.025	2,5	57	30	2,85
2421.030	3,0	61	33	2,95
2421.032	3,2	65	36	3,15
2421.035	3,5	70	39	3,15
2421.036	3,6	70	39	3,30
2421.037	3,7	70	39	3,30
2421.038	3,8	75	43	3,30
2421.040	4,0	75	43	3,35
2421.042	4,2	75	43	3,45
2421.045	4,5	80	47	3,65
2421.046	4,6	80	47	4,10
2421.047	4,7	80	47	4,10
2421.050	5,0	86	52	4,10
2421.053	5,3	86	52	4,50
2421.055	5,5	93	57	4,50
2421.056	5,6	93	57	5,10
2421.057	5,7	93	57	5,10
2421.060	6,0	93	57	5,10
2421.065	6,5	101	63	5,50
2421.070	7,0	109	69	6,50
2421.073	7,3	109	69	6,80
2421.075	7,5	109	69	6,80
2421.080	8,0	117	75	7,60
2421.085	8,5	117	75	8,45
2421.090	9,0	125	81	9,15
2421.095	9,5	125	81	10,25
2421.100	10,0	133	87	11,15
2421.120	12,0	151	101	20,25
2421.125	12,5	151	101	23,80
2421.130	13,0	151	101	23,80
Sets				
Order No.	Description			€
2420.805	Set of 5 pieces, HSS-G. Ø 3, 4, 5, 6, 8 mm DIN 338			23,45

	Twist drill of cobalt alloyed HSS-G DIN 338, ground from the solid, short, cylindrical, special spiral for good chip removal and for greasy materials. Crosswise grinding DIN 1412C, point angle 135°, tolerance of diameter h8. Polished section of the envelope of cone 118°, surface: bronze		For extraordinary demands of industry, craft and household. Very good for boring stainless steel V2A; V4A and steel with higher alloy content and/or strength over 1300 N/mm². Furthermore suitable for heat resistant, non-corroding and acid resisting steel, special alloy, malleable and cast iron, bronze, weld seams, chromium-nickel steel, aluminium, brass and all sorts of plastics
	HSS-G Co		Very good for hardest demands. Also the long version 2450 (DIN 340) is available. For sheet metal working we recommend version 2440 with spiral type N
	Corresponding diagrams		packing unit = 1. PE tube. EAN



Order No.	O-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
2430.010	1,0	34	12	3,65
2430.015	1,5	40	18	3,65
2430.020	2,0	49	24	3,65
2430.025	2,5	57	30	3,50
2430.030	3,0	61	33	3,80
2430.031	3,1	65	36	4,20
2430.032	3,2	65	36	4,20
2430.033	3,3	65	36	4,20
2430.035	3,5	70	39	4,15
2430.040	4,0	75	43	4,65
2430.041	4,1	75	43	5,50
2430.042	4,2	75	43	5,50
2430.045	4,5	80	47	5,50
2430.048	4,8	86	52	5,55
2430.050	5,0	86	52	5,80
2430.051	5,1	86	52	5,95
2430.052	5,2	86	52	5,95
2430.055	5,5	93	57	6,80
2430.060	6,0	93	57	7,25
2430.065	6,5	101	63	7,95
2430.068	6,8	109	69	8,25
2430.070	7,0	109	69	8,95
2430.075	7,5	109	69	9,90
2430.080	8,0	117	75	10,40
2430.085	8,5	117	75	12,00
2430.090	9,0	125	81	12,80
2430.095	9,5	125	81	14,05
2430.100	10,0	133	87	15,00
2430.105	10,5	133	87	15,90
2430.110	11,0	142	94	17,40
2430.115	11,5	142	94	18,10
2430.120	12,0	151	101	19,15
2430.125	12,5	151	101	21,05
2430.130	13,0	151	101	21,65

	Titanium nitride twist drill with parallel shank, short, righthand cutting, with spiral type N. Crosswise grinding DIN 1412C (from 3,0 mm) 118° for good centering and fast drilling, tolerance of diameter h8. Professional hard-wearing coating which guarantees long endurance		Suitable for highest demands of industry and craft. For boring to alloyed and non alloyed steel and cast steel up to 1000 N/mm², grey, ductile, sintered and malleable iron, aluminium, copper, bronze
	HSS-G titanium nitrided		Unbelievable endurance because of high quality coating at a fair price. Also regrinding doesn't affect the endurance of the tool
	Corresponding diagrams		packing unit = 1. PE tube. EAN

2440

○○○
Profi

Twist Drills double end, fully ground

FAMAG
...für Besserbohrer®

Order No.	O-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
2440.025	2,5	43	10	2,70
2440.030	3,0	46	12	2,85
2440.031	3,1	49	12	3,05
2440.032	3,2	49	12	3,00
2440.033	3,3	49	12	3,10
2440.035	3,5	52	12	3,10
2440.040	4,0	55	12	3,45
2440.041	4,1	55	12	3,25
2440.042	4,2	55	12	3,45
2440.045	4,5	58	12	3,30
2440.048	4,8	62	14	3,50
2440.050	5,0	62	14	3,85
2440.051	5,1	62	14	3,85
2440.052	5,2	62	14	3,95
2440.055	5,5	66	16	3,65
2440.060	6,0	66	19	4,05

	Special twist drill HSS-G corresponding to works standard, ground from the solid, extra short, cylindrical, right-hand cutting, spiral type N, tolerance of diameter h8. Polished section of the envelope of cone 118°, bright		Double ended twist drill for boring to thin sheet. Solid construction for power drill. For drilling to thin work pieces like sheet steel, sheet brass, sheet zinc, copper sheet, aluminium sheet and plastic sheet
	HSS-G		Specially suited for roofers and their sheet metal forming
	ca. 2500 min-1, power drill		packing unit = 1. PE tube. EAN



Standard

Order No.	O-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
2450.020	2,0	85	56	3,20
2450.025	2,5	95	62	3,55
2450.030	3,0	100	66	3,75
2450.031	3,1	106	69	4,35
2450.032	3,2	106	69	4,35
2450.033	3,3	112	73	4,35
2450.035	3,5	112	73	4,35
2450.040	4,0	119	78	4,65
2450.041	4,1	119	78	6,00
2450.042	4,2	119	78	6,00
2450.045	4,5	126	82	6,00
2450.048	4,8	132	87	7,05
2450.050	5,0	132	87	7,05
2450.051	5,1	132	87	7,05
2450.052	5,2	132	87	8,10
2450.053	5,3	132	87	8,10
2450.055	5,5	139	91	8,10
2450.057	5,7	139	91	9,15
2450.058	5,8	139	91	9,15
2450.060	6,0	139	91	9,15
2450.065	6,5	148	97	11,25
2450.068	6,8	156	102	13,05
2450.070	7,0	156	102	13,05
2450.075	7,5	156	102	14,35
2450.080	8,0	165	109	14,35
2450.085	8,5	165	109	16,95
2450.090	9,0	175	115	17,70
2450.095	9,5	175	115	18,80
2450.100	10,0	184	121	21,35
2450.102	10,2	184	121	28,75
2450.105	10,5	184	121	28,75
2450.110	11,0	195	128	28,75
2450.115	11,5	195	128	33,70
2450.120	12,0	205	134	33,70
2450.125	12,5	205	134	41,35
2450.130	13,0	205	134	41,35

Twist Drills, Co 5%, DIN 340, fully ground with split point, packaged

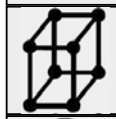
Order No.	O-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
2451.020	2,0	85	56	3,45
2451.025	2,5	95	62	3,95
2451.030	3,0	100	66	4,05
2451.031	3,1	106	69	4,60
2451.032	3,2	106	69	4,60
2451.033	3,3	112	73	4,65
2451.035	3,5	112	73	4,65
2451.040	4,0	119	78	5,00
2451.041	4,1	119	78	6,30
2451.042	4,2	119	78	6,30
2451.045	4,5	126	82	6,30
2451.048	4,8	132	87	10,95
2451.050	5,0	132	87	7,50
2451.051	5,1	132	87	7,50
2451.052	5,2	132	87	8,30
2451.053	5,3	132	87	8,30
2451.055	5,5	139	91	8,30
2451.057	5,7	139	91	9,35
2451.058	5,8	139	91	9,35
2451.060	6,0	139	91	9,35
2451.065	6,5	148	97	11,35
2451.068	6,8	156	102	13,10
2451.070	7,0	156	102	13,10
2451.075	7,5	156	102	14,35
2451.080	8,0	165	109	16,05
2451.085	8,5	165	109	17,10
2451.090	9,0	175	115	18,00
2451.095	9,5	175	115	19,25
2451.100	10,0	184	121	21,65
2451.102	10,2	184	121	29,20
2451.105	10,5	184	121	29,20
2451.110	11,0	195	128	29,20
2451.115	11,5	195	128	34,15
2451.120	12,0	205	134	34,15
2451.125	12,5	205	134	41,85
2451.130	13,0	205	134	41,85



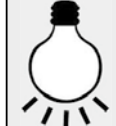
Twist drill of cobalt alloyed HSS-G DIN 340, ground from the solid, long, cylindrical, special spiral for good chip removal and for greasy materials. Crosswise grinding DIN 1412C, point angle 135°, tolerance of diameter h8. Polished section of the envelope of cone 118°, surface: bronze



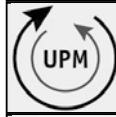
For extraordinary demands of industry, craft and household. Very good for boring stainless steel V2A; V4A and steel with higher alloy content and/or strength over 1300 N/mm². Furthermore suitable for heat resistant, non-corroding and acid restisting steel, special alloy, malleable and cast iron, bronze, weld seams, chromium-nickel steel, aluminium, brass and all sorts of plastics



HSS-G Co



Very good for hardest demands. Here the convenient long version



Corresponding diagrams



packing unit = 1. PE box., from Ø 8,5 mm packing unit = 5. EAN. Price for each drill in a packing unit



Serial 1

Order No.	O-Ø [mm]	OAL [mm]	Cutting l. [mm]	€
2461.020	2,0	125	85	11,15
2461.025	2,5	140	95	11,15
2461.030	3,0	150	100	13,70
2461.035	3,5	165	115	15,15
2461.040	4,0	175	120	15,40
2461.045	4,5	185	125	17,90
2461.050	5,0	195	135	20,20
2461.055	5,5	205	140	21,10
2461.060	6,0	205	140	24,15
2461.065	6,5	215	150	28,60
2461.070	7,0	225	155	29,80
2461.075	7,5	225	155	32,70
2461.080	8,0	240	165	36,15
2461.085	8,5	240	165	40,80
2461.090	9,0	250	175	43,80
2461.095	9,5	250	175	46,30
2461.100	10,0	265	185	50,25
2461.105	10,5	265	185	51,40
2461.110	11,0	280	195	56,05
2461.115	11,5	280	195	62,80
2461.120	12,0	295	205	68,80
2461.125	12,5	295	205	72,65
2461.130	13,0	295	205	76,10

	Special twist drill HSS-G DIN 1869, extra long, cylinder shank, right-hand cutting. Plunge and crosswise grinding 135°		Solid special drill for boring extremely deep holes under difficult conditions, e.g. bad chip removal. Suitable for drilling cast iron and steel up to 1300 N/mm²
	HSS-G		Very good for hardest demands. This is the convenient long version. For longer version see also series 2599
	Corresponding diagrams		packing unit = 1. PE tube. EAN



OAL 150 mm

Order No.	O-Ø [mm]	S - Ø [mm]	OAL [mm]	NL [mm]	€
2599.103	3	3	150	100	10,50
2599.104	4	4	150	100	11,60
2599.105	5	5	150	100	12,25
2599.106	6	6	150	100	13,00
2599.107	7	7	150	100	16,90
2599.108	8	8	150	100	16,90
2599.109	9	9	150	100	17,90
2599.110	10	10	150	100	19,60
2599.111	11	11	150	100	22,20

OAL 250 mm







Order No.	O-Ø [mm]	S - Ø [mm]	OAL [mm]	NL [mm]	€
2599.203	3	3	250	180	14,15
2599.204	4	4	250	180	16,70
2599.205	5	5	250	180	19,05
2599.206	6	6	250	180	21,35
2599.207	7	7	250	180	27,55
2599.208	8	8	250	180	27,55
2599.209	9	9	250	180	30,75
2599.210	10	10	250	180	33,45
2599.211	11	11	250	180	38,55
2599.212	12	12	250	180	42,45
2599.213	13	13	250	180	45,05
2599.214	14	13	250	180	48,80
2599.215	15	13	250	180	56,00
2599.216	16	13	250	180	61,70

OAL 315 mm

Order No.	O-Ø [mm]	S - Ø [mm]	OAL [mm]	NL [mm]	€
2599.303	3	3	315	250	18,45
2599.304	4	4	315	250	21,75
2599.305	5	5	315	250	24,80
2599.306	6	6	315	250	27,75
2599.307	7	7	315	250	35,80
2599.308	8	8	315	250	35,80
2599.309	9	9	315	250	39,95
2599.310	10	10	315	250	43,50
2599.311	11	11	315	250	50,05
2599.312	12	12	315	250	55,25
2599.313	13	13	315	250	58,55
2599.314	14	13	315	250	64,50
2599.315	15	13	315	250	75,05
2599.316	16	13	315	250	87,45

OAL 400 mm

Order No.	O-Ø [mm]	S - Ø [mm]	OAL [mm]	NL [mm]	€
2599.403	3	3	400	300	23,95
2599.404	4	4	400	300	28,30
2599.405	5	5	400	300	32,25
2599.406	6	6	400	300	36,10
2599.407	7	7	400	300	46,50
2599.408	8	8	400	300	46,50
2599.409	9	9	400	300	51,95
2599.410	10	10	400	300	56,55
2599.411	11	11	400	300	65,00
2599.412	12	12	400	300	71,80
2599.413	13	13	400	300	76,15
2599.414	14	13	400	300	83,80
2599.415	15	13	400	300	97,55
2599.416	16	13	400	300	113,60

	Twist drill HSS-G, ground from the solid, long, cylindrical, special spiral for good chip removal and for greasy materials. Crosswise grinding DIN 1412C, point angle 135°, tolerance of diameter h8. Polished section of the envelope of cone 118°, surface: bronze
	Suitable for highest demands of industry and craft. For boring to alloyed and non alloyed steel and cast steel up to 900 N/mm², grey, ductile, sintered and malleable iron, nickel silver and graphite, etc.
	HSS-G, long
	Very good for hardest demands. Here in different length for very fair price.
	Corresponding diagrams
	packing unit = 1. PE tube. EAN

3535









Hobby

Drill and milling cutter HSS

FAMAG®
...für Besserbohrer®


Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	€
3535.006	6	6	90	13,05
3535.008	8	8	90	19,05

	Milling cutter with twist drill head (ground point angle 118°) and chip flutes with rough teeth		For drilling and milling outlines with one tool. Suitable for wood, plasterboard, plastics and limited for nonferrous metals
	HSS		Especially for use in hand drill, unsuitable for boring in steel
	ca. 2500 min-1, wood		packing unit = 1. PE tube. EAN

3540









Classic

Countersink for machine

FAMAG®
...für Besserbohrer®


Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	€
3540.012	12	8	46	13,00
3540.016	16	8	47	16,35
3540.020	20	8	47	24,15

	Countersink three edged, countersinking angle of 90°		Countersinking and deburring in all metals
	HSS		Can easily be reground
	ca. 500 min-1		packing unit = 1. PE tube. EAN







3541

 Classic

Special Countersink

FAMAG®
...für Besserbohrer®


Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	€
3541.001	2-5	6	45	15,50
3541.002	5-10	8	48	18,05
3541.003	10-15	10	65	31,70
3541.004	15-20	12	85	55,50

	Countersink with bored hole with one edge and countersinking angle of 90°		Countersinking in all metals, specially good results with nonferrous metals and hardwood
	HSS		Easy handling because of great contact surface
	ca. 500 min-1		packing unit = 1. PE tube. EAN







3690

 Classic

Hole enlarger

FAMAG®
...für Besserbohrer®


Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	€
3690.001	3 - 14	6	62	24,15
3690.002	6 - 20	8	70	27,55
3690.003	16 - 30	10	75	49,95

	Two edged hole cutter		Continous drilling of big holes and boring up holes of thin-walled materials
	HSS		Suitable for sheet steel 0,1 - 2 mm, V2A sheet 0,1 - 1 mm, non-ferrous metals 0,1 - 5 mm, plastics up to 10 mm
	ca. 1000 min-1, non-ferrous metal		packing unit = 1. PE tube. EAN

3692





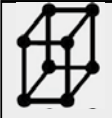

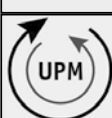

Classic

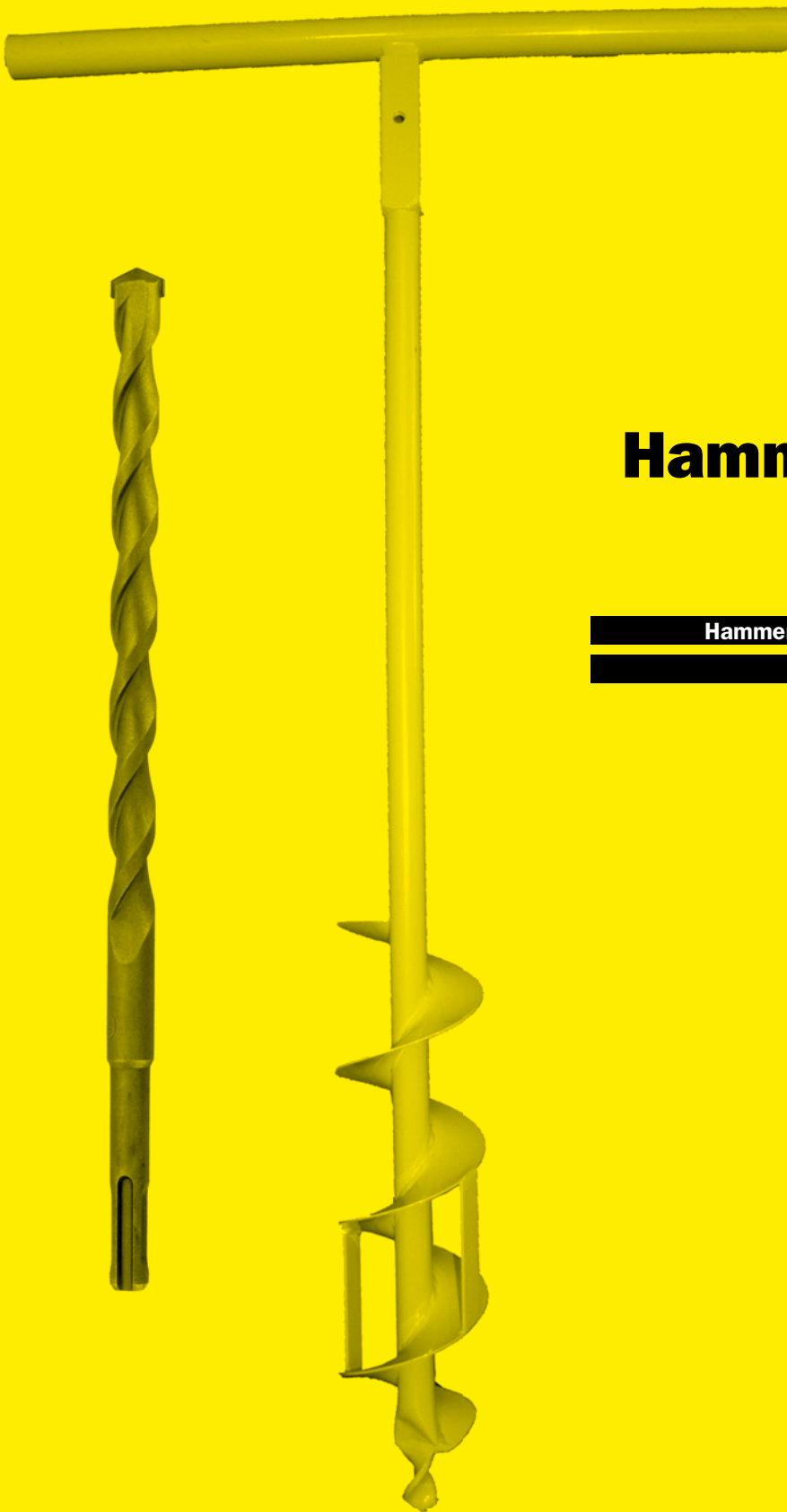
Step drill HSS

FAMAG[®]

...für Besserbohrer[®]


Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	€
3692.012	4 - 12	6	69	42,20
3692.020	6 - 20	8	73	54,95
3692.030	6 - 30	10	95	80,50

	Two edged hole cutter, cylindrical gradation and scale of diameter		The hole cutter drills and simultaneously deburrs with the following step
	HSS		Continuous drilling to thinnest sheets without pre-drilling
	ca. 1000 min-1, non-ferrous metal		packing unit = 1. PE tube. EAN



Hammer drills and Soil Auger

125

Hammer Drills carbide-tipped, SDS-plus shank

126

Soil Auger

127



OAL 110 mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
2188.104	4	SDS plus	110	50	6,80
2188.105	5	SDS plus	110	50	5,40
2188.106	6	SDS plus	110	50	5,40
2188.108	8	SDS plus	110	50	6,30
2188.110	10	SDS plus	110	50	6,75

OAL 160 mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
2188.405	5	SDS plus	160	100	6,10
2188.406	6	SDS plus	160	100	5,85
2188.408	8	SDS plus	160	100	6,30
2188.410	10	SDS plus	160	100	6,90
2188.412	12	SDS plus	160	100	9,30
2188.414	14	SDS plus	160	100	12,95
2188.515	15	SDS plus	160	100	16,20

OAL 210 mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
2188.505	5	SDS plus	210	150	6,75
2188.506	6	SDS plus	210	150	6,95
2188.508	8	SDS plus	210	150	8,30
2188.510	10	SDS plus	210	150	9,80
2188.512	12	SDS plus	210	150	10,80
2188.514	14	SDS plus	210	150	15,65
2188.516	16	SDS plus	210	150	19,50

OAL 260 mm



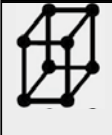



Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
2188.606	6	SDS plus	260	200	11,60
2188.608	8	SDS plus	260	200	11,70
2188.610	10	SDS plus	260	200	9,95
2188.612	12	SDS plus	260	200	13,20
2188.614	14	SDS plus	260	200	16,50
2188.615	15	SDS plus	260	200	17,80

OAL 310 mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
2188.710	10	SDS plus	310	250	11,75
2188.712	12	SDS plus	310	250	16,65
2188.714	14	SDS plus	310	250	16,90
2188.716	16	SDS plus	310	250	26,65

OAL 460 mm

Order No.	O-Ø [mm]	S-Ø [mm]	OAL [mm]	Spiral l. [mm]	€
2188.908	8	SDS plus	460	400	22,30
2188.910	10	SDS plus	450	400	32,15
2188.912	12	SDS plus	460	400	28,85
2188.914	14	SDS plus	460	400	29,25
2188.915	15	SDS plus	450	400	31,30
2188.916	16	SDS plus	450	400	34,10

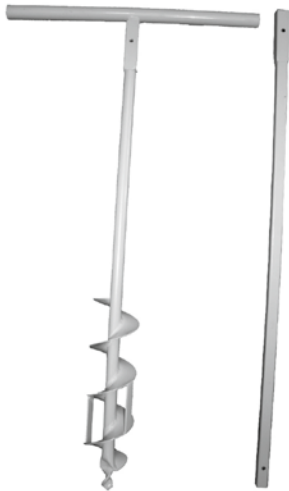
	High quality, robust masonry drill with four grooves, apt for hammer drills with SDS chuck. Fast drilling by the lank and chisel formed drill head. High stability is ensured		For all hammer drills with SDS-Plus and HILTI chunk. High quality for the professional
	Carbide tipped		Specially suited for drilling dowels holes in fastening technology with SDS-plus hammer
	Hammer Drill		packing unit = 1. PE bag. EAN

4190



Classic

Soil Auger

FAMAG®
...für Besserbohrer®


Order No.	O-Ø [mm]	OAL [mm]	€
4191.070	70	1100	95,15
4191.090	90	1100	97,00
4191.110	110	1100	105,95
4191.130	130	1100	117,45
4191.150	150	1100	119,25
4191.200	200	1100	135,40
4191.250	250	1100	148,80

Extension

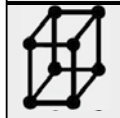
Order No.	Description	OAL [mm]	€
4191.001	fit for reference 4191, Ø 70 - 250mm	1100	25,60



Soil Auger with forged welded spiral. The drill has a T-handle made of metal and with the aid of a plug extending indefinitely prolongable



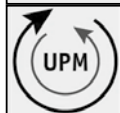
For drilling holes for garden fence, plants, frames, telephone poles, tree irrigation, etc.



steel



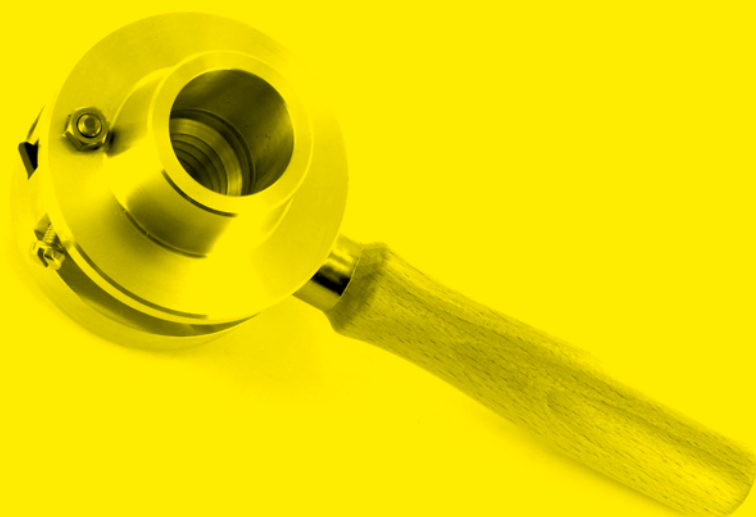
Before you start working you should have a good breakfast and with a pair of gloves the work will be child's play



So fast the arms make it



packing unit = 1 piece bulk



Hand tools

129



Pricker/ Reaming Awl, square/ Pricker and Awl, sharpened

130

Countersink with handle

130

Cutting Tool for wood threads + screws

131

Dowel pointer

132

Dowel markers

132

Gimlet

133



2000/...

○○○
Profi

Pricker/Reaming Awl, square/Pricker and Awl, sharpened

FAMAG
...für Besserbohrer®

Piercer with continuous blade

Order No.	Ø [mm]	OAL [mm]	Cutting l. [mm]	€
2000.100	6	190	90	8,70



Piercer with round blade

Order No.	Ø [mm]	OAL [mm]	Cutting l. [mm]	€
2001.100	6	190	90	9,75



Piercer with sharpened chamfer

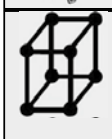
Order No.	Ø [mm]	OAL [mm]	Cutting l. [mm]	€
2006.100	6	190	90	10,15



Piercer with continuous blade, lacquered wooden handle and percussion plate. Piercer with round blade, reamer with a blade of 6 mm, square edged, piercer with sharpened chamfer



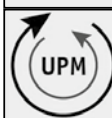
For piercing to all European solid wood, all boards laminated and uncoated



tool steel



The groove of the piercer allows a special growing simple and convenient operation



packing unit = 1. in quadropack. EAN

3533

○○○
Profi

Countersink with handle

FAMAG
...für Besserbohrer®

Countersink with plastic handle

Order No.	Ø [mm]	€
3533.012	12	5,85
3533.016	16	6,05



Countersink with wooden handle

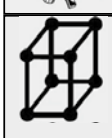
Order No.	Ø [mm]	€
3533.112	12	6,00
3533.116	16	6,30



Countersink with 5 edges 90° countersink and either with wooden or plastic handle



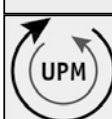
For fast countersinking by hand.



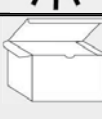
tool steel



The wooden handle is specially hand friendly



By hand



packing unit = 1. Welded on cardboard. EAN

1894

○○○
Profi

Cutting Tool for wood threads + screws

FAMAG®
...für Besserbohrer®

Order No.	Ø [mm]	Ø [Inch]	Core [mm]	lead/1" [mm]	€
1894.013	13	1/2	11	8	364,05
1894.016	16	5/8	14	7	364,05
1894.019	19	3/4	16	6	380,35
1894.022	22	7/8	18	5,5	415,50

	Quadripartite set with die stock, screw tap, tap wrench and a core hole drill in high quality wood case		For cutting internal and external threads at wooden workpieces like chair legs, nutcrackers etc.
	tool steel		In a stable wooden box with all necessary tools
	By hand		packing unit = 1. Wooden box. EAN

1895

○○○
Profi

Cutting Tool for wood threads + screws

FAMAG®
...für Besserbohrer®

Order No.	Ø [mm]	Ø [Inch]	Core [mm]	lead/1" [mm]	€
1895.013	13	1/2	11	8	310,90
1895.016	16	5/8	14	7	313,65
1895.019	19	3/4	16	6	326,60
1895.022	22	7/8	18	5,5	364,05
1895.025	25	1	21	5	459,25
1895.028	28	1 1/8	23	4,5	526,45
1895.032	32	1 1/4	26	4	599,25

	Set of two parts with die stock and screw tap		For cutting internal and external threads at wooden workpieces like chair legs, nutcrackers etc.
	Tool steel		Suitable for all kinds of solid wood
	By hand		packing unit = 1. Cardboard. EAN

2009









Classic

Dowel pointer

FAMAG®

...für Besserbohrer®


Order No.	Ø [mm]	OAL [mm]	S-Ø [mm]	€
2009.020	20	80	8	47,65
2009.030	30	100	10	73,05

	Dowel sharpener with one edge and parallel shank. Inner angle ca. 55°		For sharpening all dowels so that they can easily put into the drill holes
	Tool steel		Dowels must not be lead by hand to the drilling machine
	500 - 1000 min-1, beech wood		packing unit = 1. Welded on cardboard. EAN

3685



Classic







Dowel markers

FAMAG®

...für Besserbohrer®

Order No.	Ø [mm]	€
3685.006	6	5,80
3685.008	8	5,90
3685.010	10	6,65









	Conventional dowel marker with centre point and exact fitting		For exact marking of blind dowel holes to all kinds of wood and uncoated boards
	Steel		Good dimensioned point guarantees perfect working
			packing unit = 10 pcs. in one PE tube. EAN

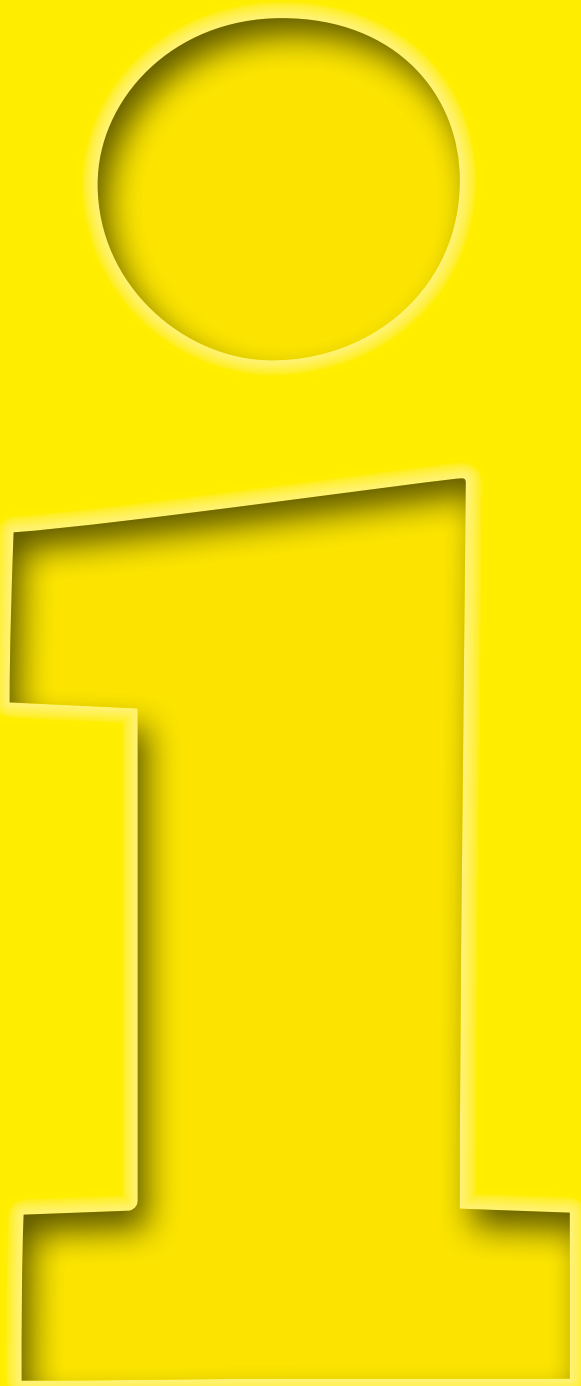


Order No.	O-Ø [mm]	OAL [mm]	€
2152.002	2	115	3,05
2152.003	3	125	3,05
2152.004	4	140	3,40
2152.005	5	145	3,85
2152.006	6	155	5,90

Sets on card boards

Order No.	Description	€
2152.503	3 pcs. Set on Rose plastic board. Ø 3, 4, 5 mm	9,20
2152.505	5 pcs. Set on Rose plastic board. Ø 2, 3, 4, 5, 6 mm	16,25

	Classical black painted gimlet with lug Classical gimlet in solid design. With cylindrical shank and crest of thread		For manually predrilling holes into all sorts of wood
	Tool steel		For hardwood we recommend to pierce with a pricker 2006.100
	show me what you can!		Packing unit = 10. On Rose-card. EAN



Info's **135**

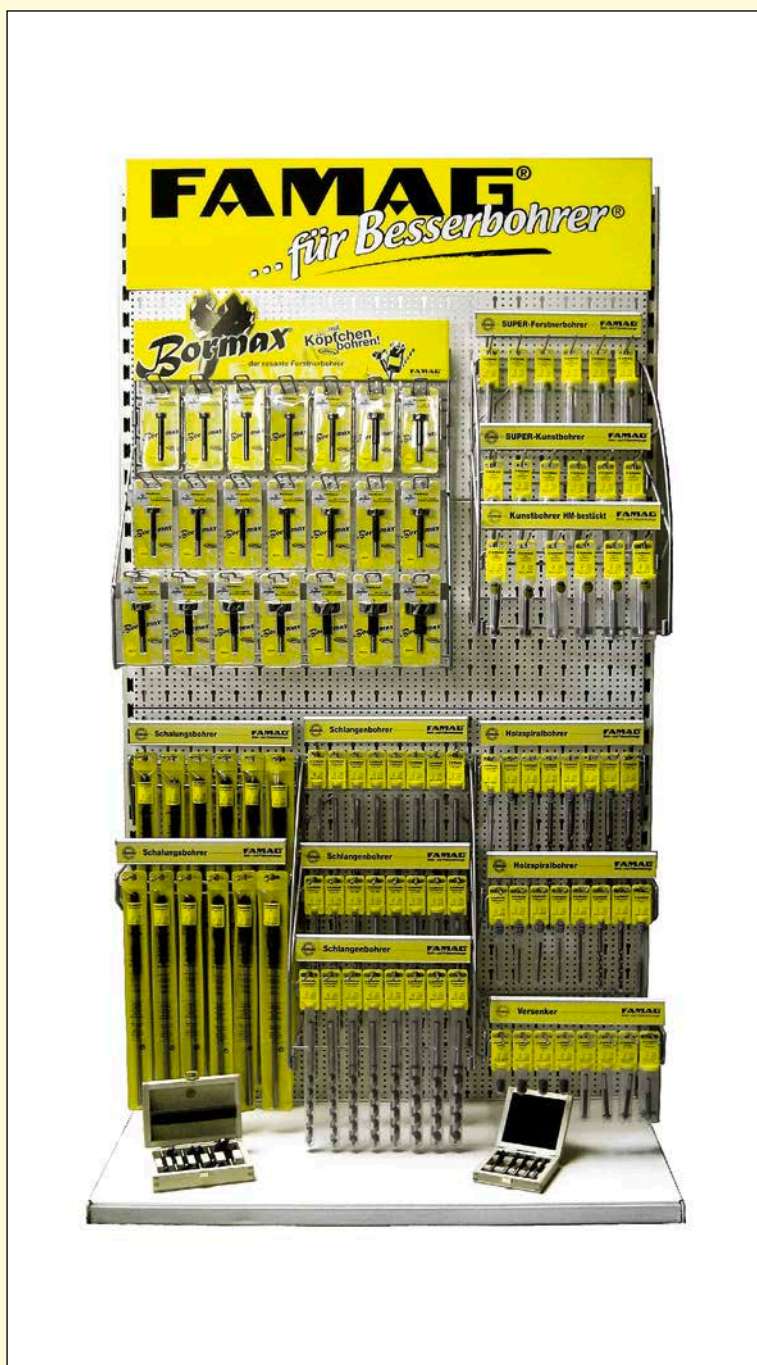
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At FAMAG there are no rigidly specified assortments that do not fit to your business. The existence of different target groups alone forbids standardized systems. Tell us about your wishes and target groups and together we

will find the ideal POS sales presentation according to your needs. At your disposal there are different flexible presentation systems that can be arranged clearly and promotionally effective.

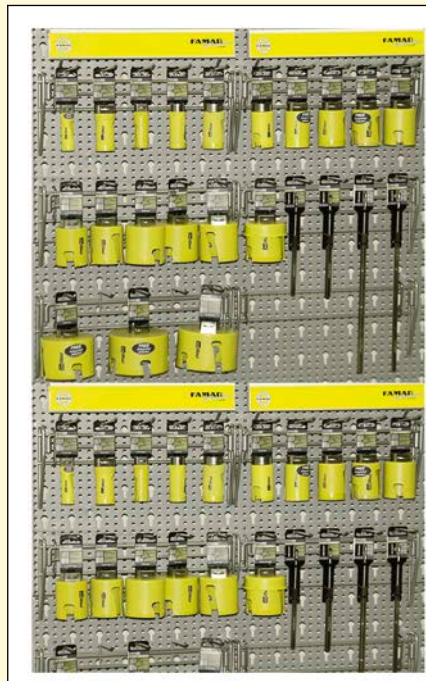


Even presentations on a minimal space are possible thanks to the counter carousel and other modules.



Do not forget the Bormax-displays as a counter-top presentation. These are often the start for the professional user - your customer - into the FAMAG product world.

... and if you find out, that an article doesn't sell – no problem. We will replace it without any ifs or buts!



FAMAG works on an international level and today we sale our "Made in Germany" quality in many European countries. Of course our sales staff speaks English, Spanish and German. Call or write us an email:

Germany:**Virginia Vázquez-Capilla****Tel** + 49 (2191) 9284 15**email** vvc@famag.com**Germany:****Jéssica Vázquez-Capilla****Tel** + 49 (2191) 9284 11**email** jvc@famag.com

For orders or questions from United Kingdom, you can also contact our representative in U.K.:

United Kingdom:**Andy Vaughan****Mobile** + 44 (0) 771 890 5674**Office** + 44 (0) 148 771 1505**Web** www.credence.biz**email** andy@credence.biz**Delivery service and shipping costs to U.K.**

Usually orders leave our premises the next day – often even the same day – to be available as soon as possible. Please count with a delivery time of 2-3 days. In order to calculate the shipping costs, we offer you the following delivery service:

For orders with a value of goods:**until € 250,-** we calculate € 10,-**over € 250,-** delivery free of charge!

Try us, you will be pleasantly surprised!



Custom-made products, special requests, extraordinary requirements or particular, individual tasks? We are at your service!

As an experienced manufacturer and specialist with a long tradition and a philosophy that is committed to customer needs and high quality demands, we offer you a competent and expert support in all application questions that arise.

So if you do not find the appropriate tool among our product range, please contact us!

Go ahead and describe the exact application – together we will come to a solution. This may be either a combination of standard tools or a special custom-made tool, which will be designed according to your individual requirements.

If it is possible to fulfil your task by one of our standard tools, quick help can be provided because most of our 4,500 quality tools are available on stock. If not, we dedicate ourselves with all our competence to the realization of custom-made products, special requests and extraordinary requirements. In this case the delivery will take a little bit longer depending on the extent and effort. A sketch, a pattern or a drawing always leads to a better understanding and facilitates the production process.

An important parameter that determines the price is the quantity. This also applies to the realization of changes in shaft, special shafts and measurements concerning our standard tools.

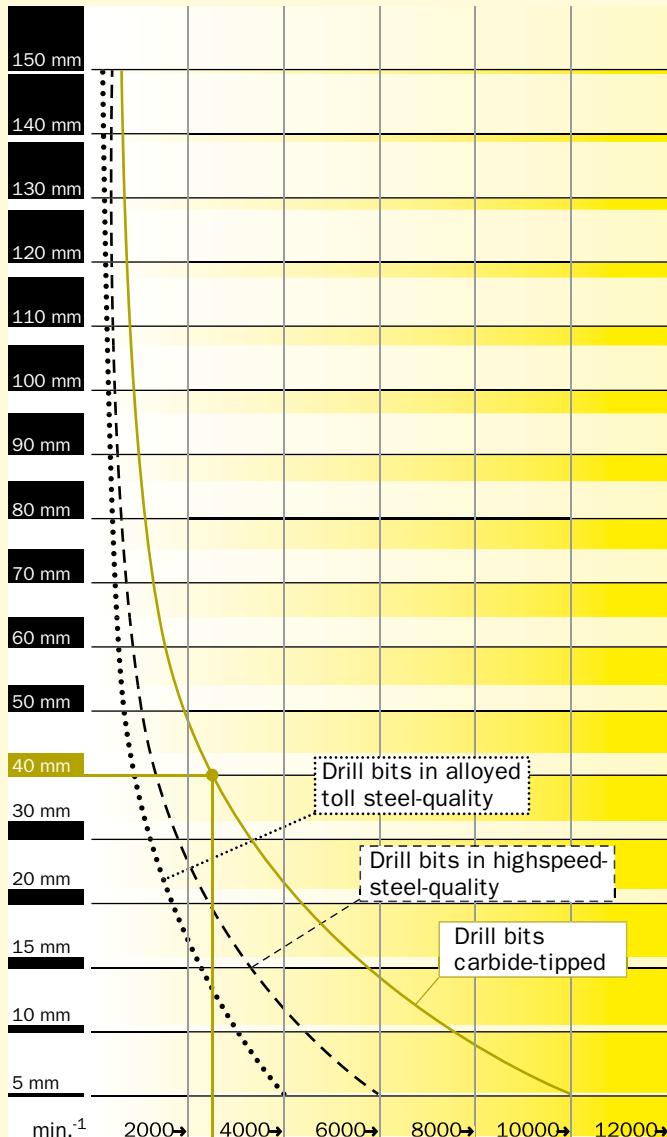
By the way, augers can be produced up to a diameter of 80 mm on our CNC-machines. With our latest machine a spiral length up to 2,500 mm is even possible.

For step drill bits we prepared an enquiry form concerning the series of articles No. 1887 on page 55. Please do not forget to state the desired quantity here as well!

Our specialists support you with regard to all technical questions. Just call us, we will be glad to advise you!

**FAMAG-Werkzeugfabrik
GmbH & Co. KG
Rathen Straße 29
42855 Remscheid, Germany**

**Telefon: +49 (2191) 9284-0
Telefax: +49 (2191) 9284-20
email: info@famag.com
www.famag.com**



We recommend selecting the use of the tools according to the material being worked with. Here are some tips:

Drill bits in alloyed tool steel-quality:

Best application in softwoods like spruce, pine and poplar. An exception is the TS-Bormax® drill bit; it can not only be used for softwood but also for European hardwood and board materials. Good results can also be achieved in soft and medium-hard plastics.

Drill bits in high-speed-steel-quality: -----

Good application in all softwoods and many hardwoods as well as MDF.

Drill bits carbide-tipped: _____

Less suitable for softwoods (exception CT-Bormax³) but ideal for hardwoods and exotic hardwoods. Very good results in board materials as well as veneer- and plastic-coated panels. Furthermore suitable for drilling in hard plastics.

Please choose the tool material from the three characteristics. The intersection of the graph with the corresponding diameter of the drill bit shows the recommended rpm. Please do not exceed the recommended rpm, because this will have a negative impact on the drilling quality and the lifetime of the tools.

Example:

A TCT-cylindric boring bit drill (e.g. Series 1662), Ø 40 mm, equals a recommended rpm of 2.500 min⁻¹.

Different applications require different qualities. In order to make it easier for you, we divide our tools into four main quality categories. An amateur with the task to drill three holes in poplar wood certainly needs a different tool than for example the furniture industry with its mass production, where thousands of holes have to be drilled in beech wood. Our aim is to meet both requirements with our product range. Therefore the amateur should be very satisfied with the result of a 30-mm-drill a Forstner bit of the quality level “classic” achieves in softwood.

Please be guided by our quality classification or call us: We will be glad to advise you!

○ **quality level hobby:**

reasonable quality tools for the amateur segment

○○ **quality level classic:**

for the quality-conscious user

○○○ **quality level profi:**

professional tools for the craftsman with high demanding requirements concerning tool and application

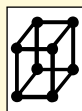
○○○○ **quality level premium:**

wear-resistant tools of the highest quality level, even for extreme conditions of use

Info-blocks



The description of the tool design



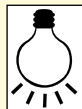
Tool material



Recommended r.p.m. and specific example for the most common diameters in the according field of application



Description of application



Practical advice and specialty of the tool



Packaging unit and information on individual packaging

Abbreviations

OØ	outer diameter
IØ	inner diameter
SØ	shank diameter
L	length of shaft/shank length
OAL	overall length
MC/HS	main cutters
EL	effective length
SL	spiral length
W	weight
T	teeth
R	radius
∠	degrees
Cutting l.	cutting length
max.r.p.m.	maximum acceptable r.p.m.
L1	length of first step
L2	length of second step
D1	core diameter
Lead/1°	no. of threads
PU	packing unit

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We only make regular deliveries to resellers and/or commercial consumers. The following General Terms and Conditions therefore apply to this group of persons (entrepreneurs) and legal persons under public law or special public assets within the meaning of § 310 (1) of the German Civil Code (BGB). All our offers and purchase and delivery contracts concluded with us are based solely on our General Terms and Conditions. Any deviations from these General Terms and Conditions require our express written approval.

I. Scope of supply

The scope of supply shall be based on our written order confirmation. A deviation from the scope of supply (especially for custom-made articles) shall be permitted as long as there is no major difference from the agreed scope of supply and the deviations are reasonable for the customer. Partial deliveries shall be permitted if they do not lead to any disadvantages regarding use of the goods. During the delivery period, we shall reserve the right to make design and shape changes, which are due to an improvement in the state of the art or to legal requirements, provided the changes in the delivery item are minor and they are reasonable for the customer.

II. Delivery terms/Passing of risk in the case of shipment

(1) When the net value of the goods is less than € 250,- we shall deliver ex works, excluding freight, postage and packing. In the case of small orders with a net goods value less than € 50,- we shall reserve the right to calculate a minimum quantity surcharge. When the net value of the goods exceeds € 250,- we shall deliver from Germany free destination (receiving station) or free German frontier, including freight, postage, packing (excluding carriage and local delivery charges, as well as costs for incidental charges such as couriers, express delivery, cash on delivery, etc., which shall be calculated separately). This shall not include drill rigs, soil augers and accessories, which shall always be delivered ex works, excluding freight, postage and packing. This provision shall also apply to other goods with a heavier weight and larger dimensions, which do not form part of our normal drill and tool product range. When the net value of the goods is more than € 1,500,- we shall deliver FOB German airport or port.

(2) In the case of deliveries from our depots, we shall levy a reasonable surcharge for prior carriage charges and warehouse service (maximum 5% of the net goods value). Packaging shall become the property of the customer and shall be charged by our company. Postage and packing costs shall be invoiced separately.

(3) The dispatch method shall be chosen at our best discretion. When the goods are sent to the customer, but at the latest when they leave the factory/warehouse, risk of accidental loss or accidental deterioration of

the goods shall pass to the customer, irrespective of whether delivery is effected by our company or a third party commissioned by us, and irrespective of who pays the freight costs. Transport insurance shall only be provided at the express request of the customer and in return for payment. Transport damage shall be reported immediately to the carrier.

III. Prices and price changes

(1) All prices shall be shown in Euro per unit (piece, set, etc.) plus statutory VAT.

(2) Price changes after conclusion of the contract shall be permitted if a period of more than three months has elapsed between the date of conclusion of the contract and the agreed delivery date. If wages, material costs, sales costs or market cost prices then rise before completion of the delivery, we shall be entitled to increase the price by a reasonable amount based on the cost increases.

IV. Payment terms

Our invoices shall become due for payment within 10 days less 2% discount or in 30 days after delivery without any deductions. Invoices under € 50,- shall become due for payment immediately without any deductions. If the customer fails to pay on time, default interest amounting to 8% above the basic interest rate shall become due in accordance with § 247 of the German Civil Code (BGB). We shall expressly reserve the right to enforce a claim for further damage. Payments made by cheque or bill of exchange shall only be considered as made when honoured.

V. Reservation of title

(1) We shall reserve title to the supplied goods until all claims from the delivery contract have been paid in full. If the customer infringes the contract, in particular by delays in payment, we shall be entitled to recover the goods after issuing a warning. The customer shall be obliged to return the goods in this case. Assertion of the reservation of title and recovery of the delivery items by us shall not be regarded as withdrawal from the contract.

(2) The customer shall be entitled to resell the delivery items in the ordinary course of business. However, the customer shall now assign to us all claims amounting to the purchase price (including VAT) agreed between our company and the customer, which accrue to the customer through resale of the goods, i.e. irrespective of whether the delivery items are resold without processing or after processing. The customer shall be empowered to collect this claim after its assignment. Our authority to personally collect the claims shall not be affected as long as the customer duly complies with his payment obligations and is not in default of payment.

If this is the case, however, we may request the customer to stipulate the assigned claims and their debtors, provide all the information required for collection, hand over the related documents and inform the debtors (third parties) about assignment.

(3) We shall reserve the right to withdraw from the contract or terminate our obligation to perform if we become aware of a currently existing or future poor financial situation of the customer.

VI. Warranty

(1) Warranty claims by the customer shall presuppose that he has duly complied with his obligation to inspect the goods and notify defects in accordance with § 377 of the German Commercial Code (HGB).

(2) Defect claims by the customer shall become statutebarred in 12 months after acceptance of the delivery item. The above provisions shall not apply if longer periods are legally prescribed in § 438 (1) No. 2, § 479 (1) and § 634a (1) of the German Civil Code (BGB). Our permission shall be obtained before goods are returned at any time.

(3) If, despite all care being taken by our company, the delivered goods contain a defect which already existed at the time that risk was passed, we shall have the choice of either reworking the goods or delivering replacement goods subject to receiving notification of the defect in good time. We shall always be given the opportunity to effect supplementary performance within a reasonable period of time. Recourse claims shall remain unaffected by the above provision without restriction.

(4) If we are unable to rectify a defect covered by our warranty obligation or if additional rework attempts are unreasonable for the customer, the customer may request – irrespective of any compensation claims – withdrawal from the contract or a reduction in the purchase price instead of rework.

(5) Defect claims shall not arise if there is only a slight deviation from the agreed state of the goods or if their usability is only slightly impaired. Defect claims shall also not arise in the case of natural wear or tear and with damage which occurs after passing of risk due to incorrect or negligent handling, excessive force or special external influences which are not covered by the contract.

(6) Claims by the customer in connection with expenses required for the purpose of supplementary performance, especially transport costs, travelling expenses, labour costs or material costs, shall be excluded if the expenses increase because the goods supplied by our company were brought later to a place other than the customer's branch, unless the movement of the goods corresponds to their intended use.

(7) Recourse claims by the customer against our company shall only arise if the customer has not concluded

any agreements over and beyond legally compelling defect claims with his customer. Subparagraph 6 shall apply analogously to the amount of the customer's recourse claim.

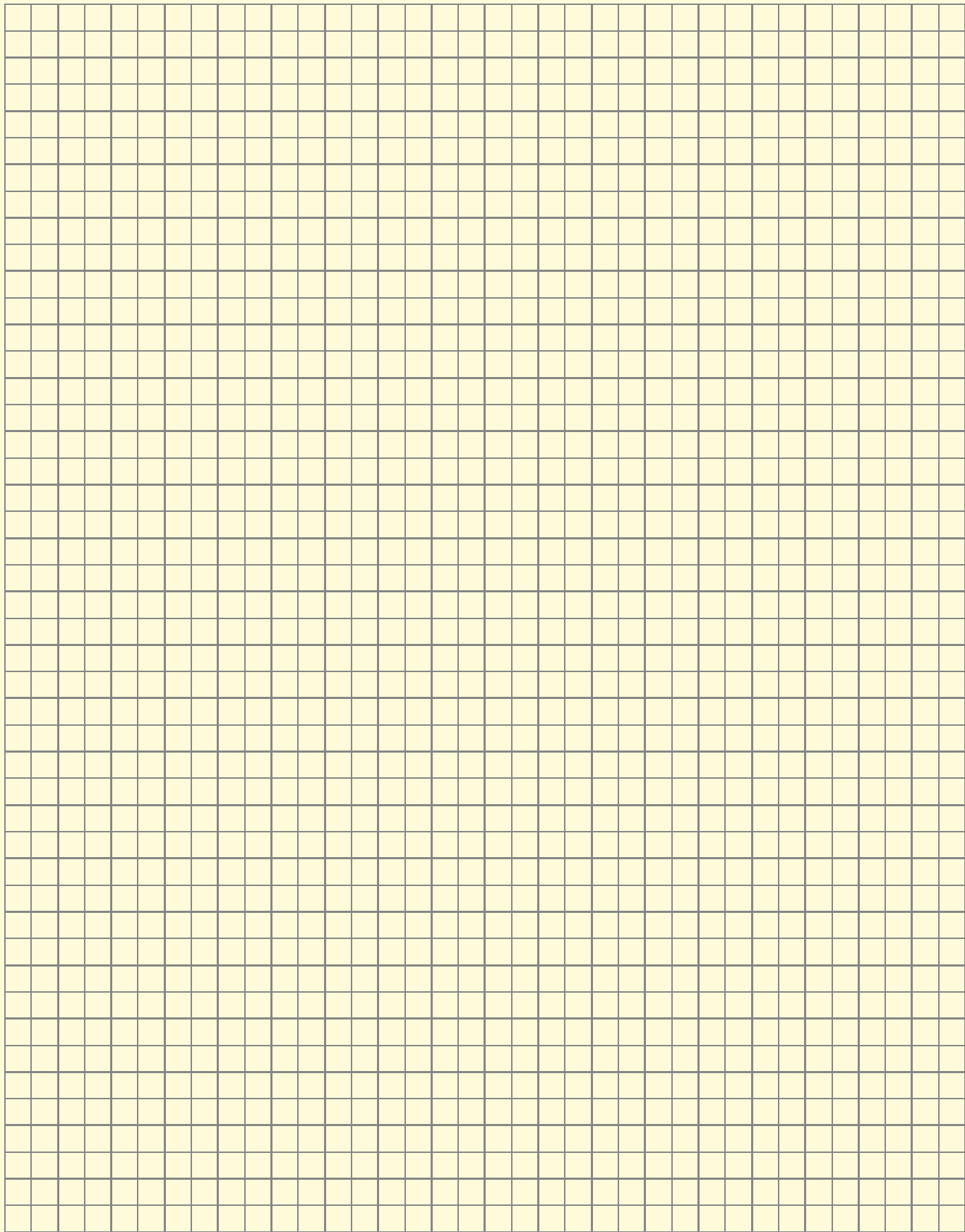
(8) Unless the claims relate to death, physical injury or damage to health, our liability shall only extend to cases of intent and gross negligence. This provision shall also apply to compensation claims for damages in tort and to actions by our subcontractors and vicarious agents.

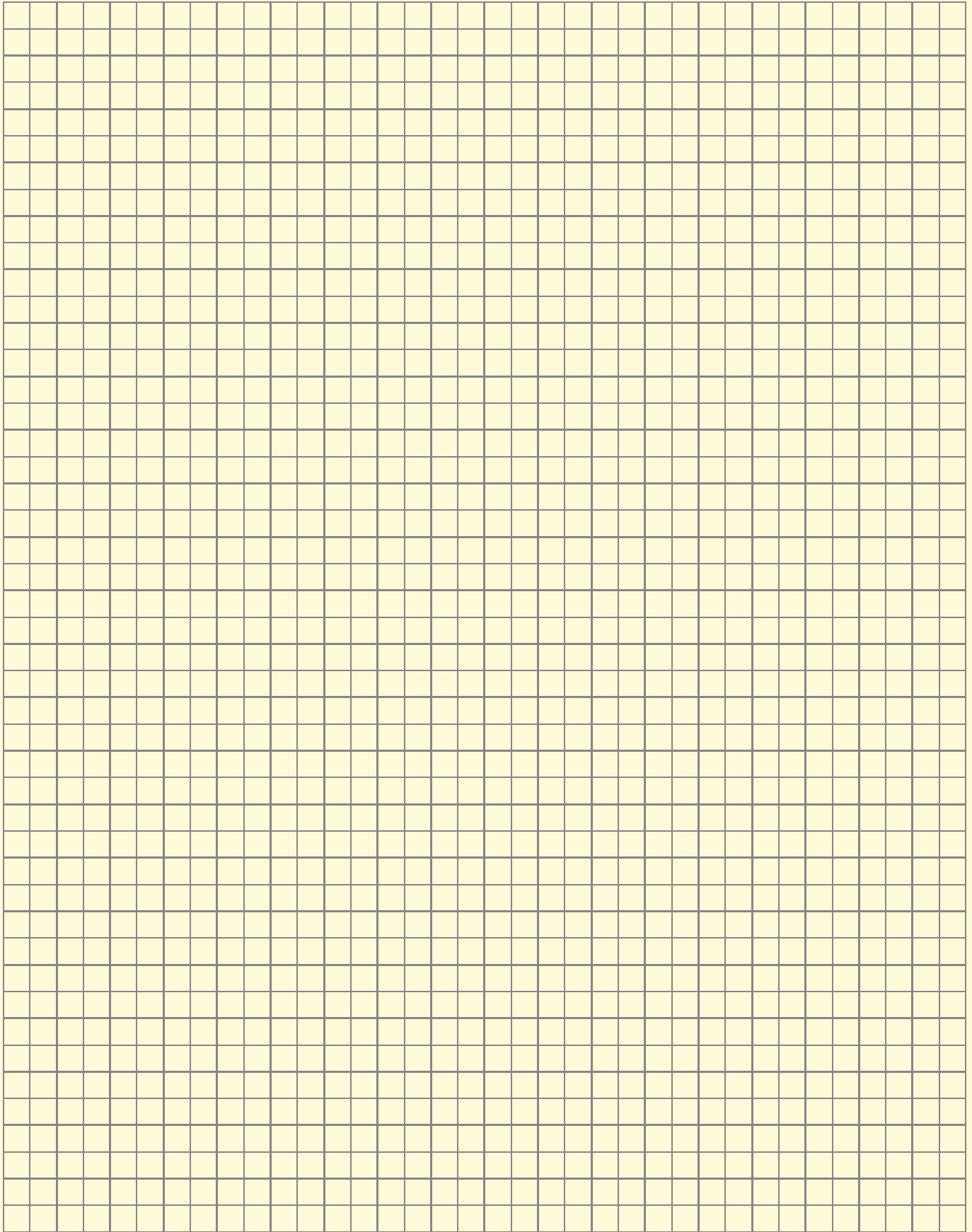
VII. Place of performance and place of jurisdiction

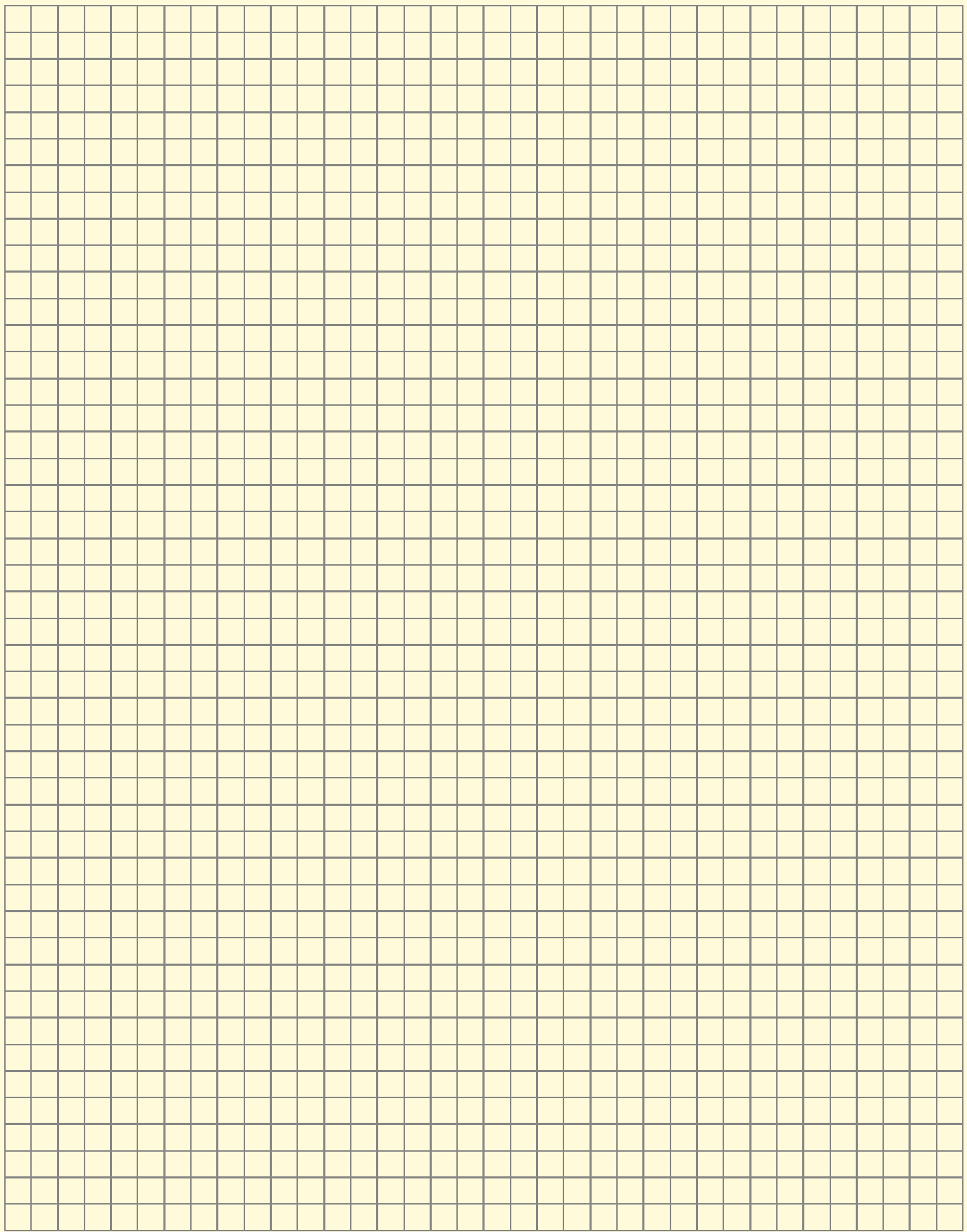
The place of performance and place of jurisdiction for all participating contracting parties shall be Remscheid. German law shall apply to the exclusion of the UN Convention on the International Sale of Goods, even if the customer's head office is outside Germany.

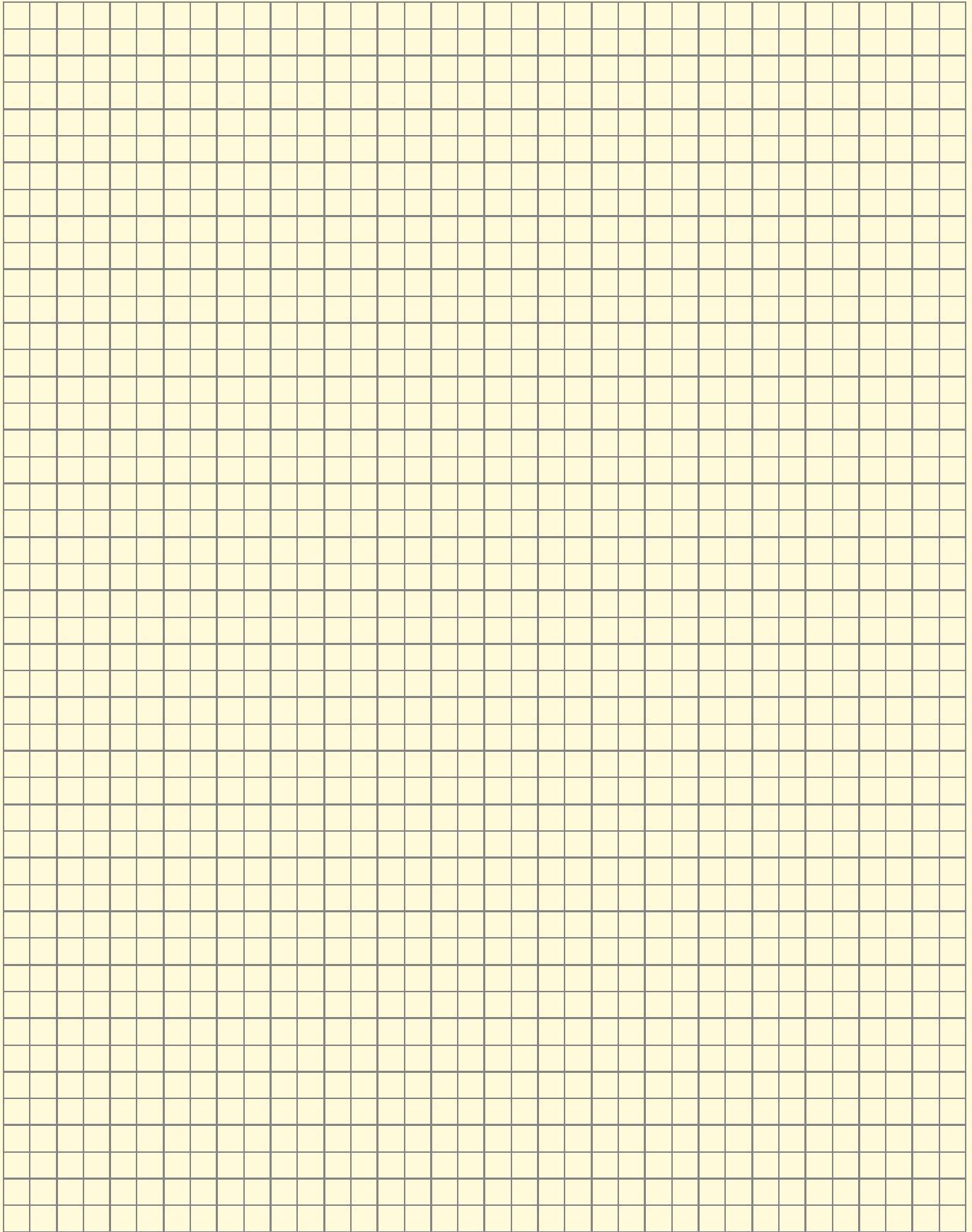
VIII. Miscellaneous

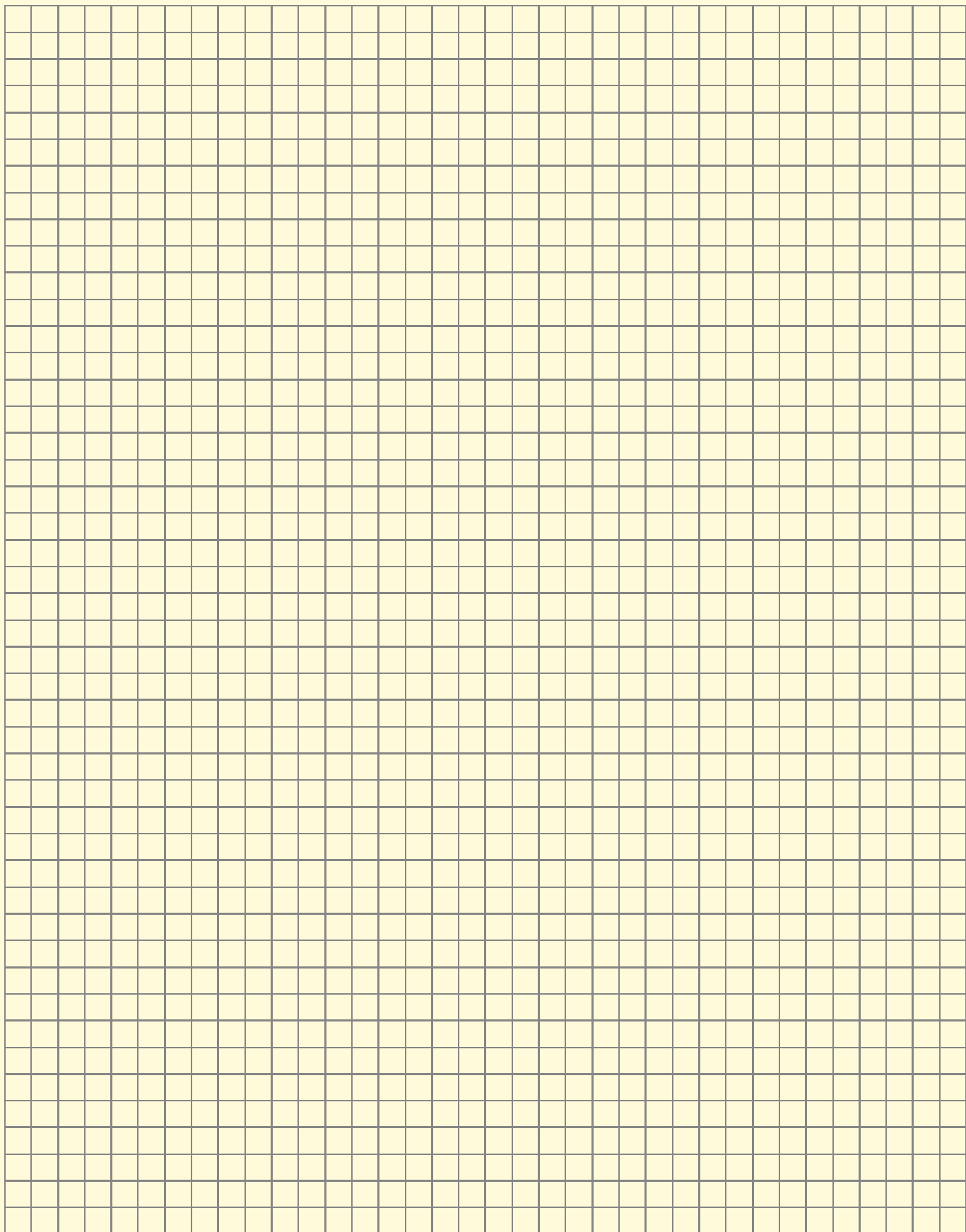
If individual clauses of these General Terms and Conditions are or become invalid, or if they contain a loophole, the validity of the other clauses shall not be affected.

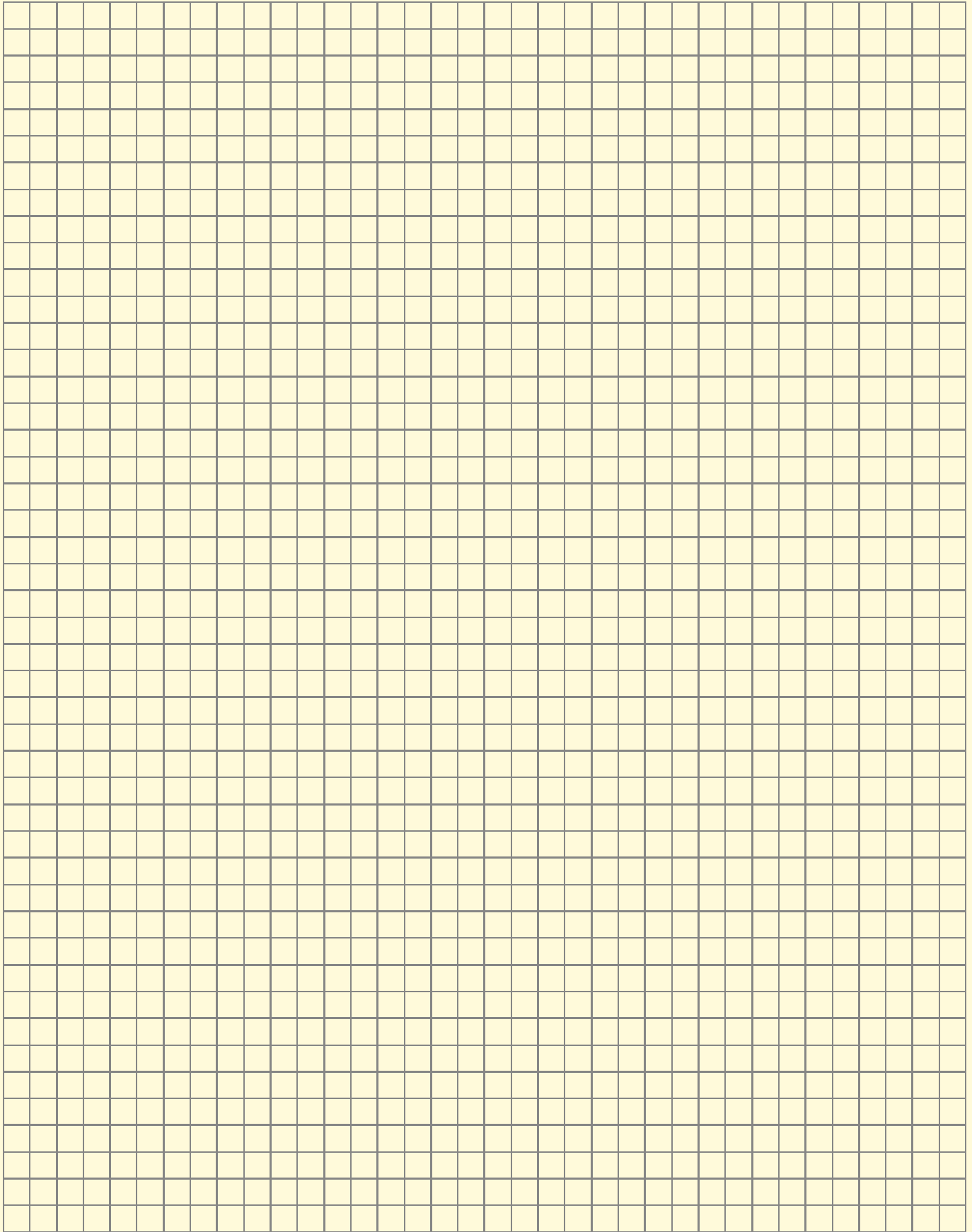


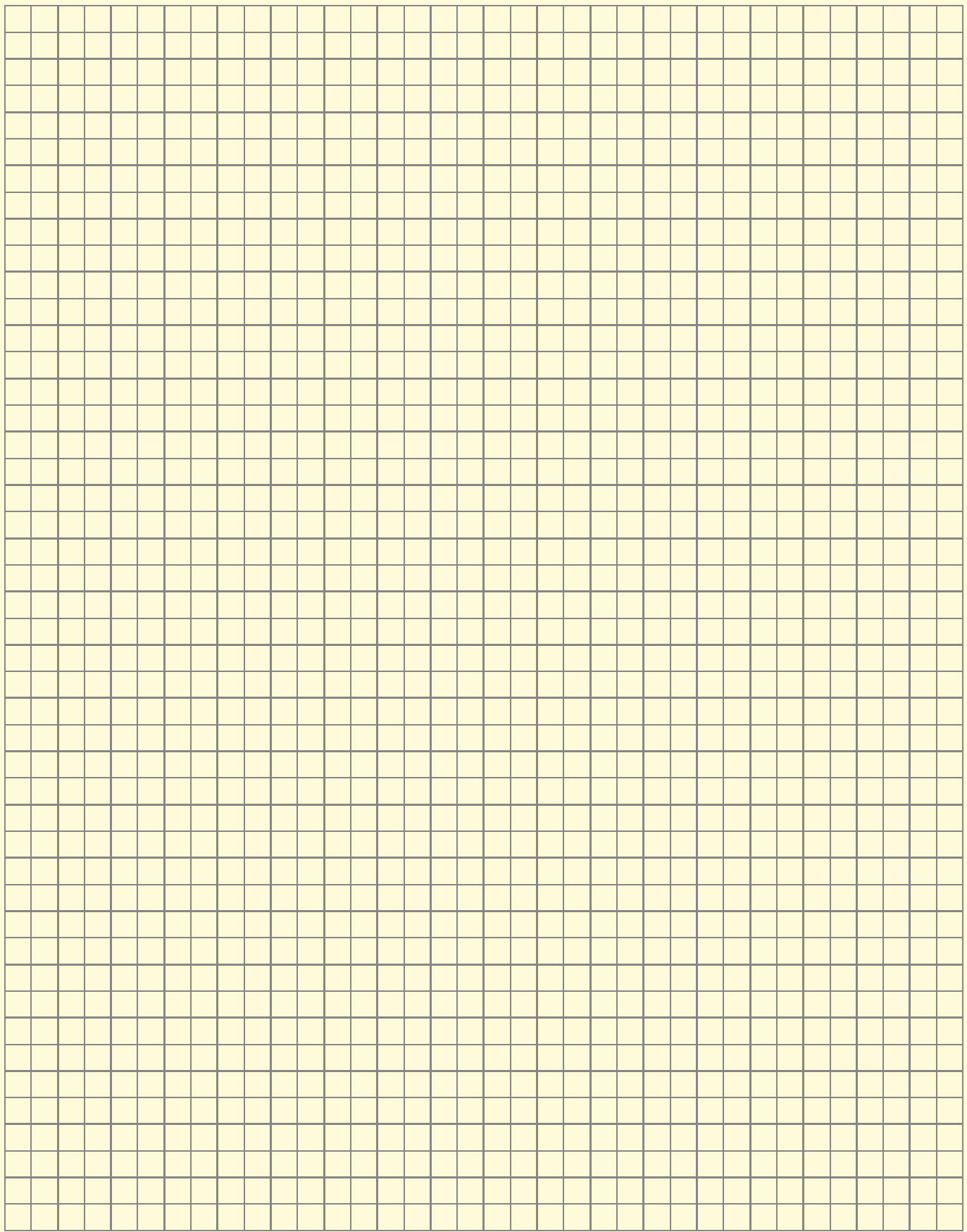












FAMAG®

...für Besserbohrer®



FAMAG offer PAROLI !

- THE new FAMAG hole saw system
- Perfect Rotation
- Solid shaft system
- Quick eject of the drill core
- Ejection system compatible with other standard hole saws
- In stock



The new PAROLI product line

- ➔ PAROLI all-round 50, TCT- multipurpose hole saw with cutting length 50 mm | 2166
- ➔ PAROLI all-round 165, TCT- multipurpose hole saw with cutting length 165 mm | 2169
- ➔ PAROLI 100 insulation hole saw with cutting length 100 mm | 2155
- ➔ PAROLI Bi-metal plus hole saw with cutting length 35 mm | 2173

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