



WESEMA - Newsworthy

Qualität aus dem Schwarzwald

Product information about strip Planer knives

Planer knives are highly demanding when used with wood. The Planing knives are used in Thicknessers, jointer, and multi-sided planing machines as well as electric hand planers with high speeds and must constantly withstand the wood during processing.

As a result, the user expects a tear-free cut and a flat and smooth surface.

For the quality requirement of the surface of the wood, the planer knife must have an evenly sharply ground cutting edge. For this, the knife needs a toughness, so that the cutting edges do not break out.

In order to be able to meet the quality requirement for planing in the longer term, the planing knife must be made of a material that has a high wear resistance and heat- resistance.

Quality features of the material

The following high-quality materials are used as standard in WESEMA planer knives:

- material 1.3343 (HSS6% Tungsten content 6-6.7% -> Molybdenum 4.7-5.2% / S6-5-2 / HSS DMo5)
- material 1.3355 (HSS18%-> Tungsten content 17.5-18.5% / S18-0-1)
- Carbide tipped

Tungsten carbide has the higher wear resistance compared to HSS, i.e. the stand-use time is about 5 times longer.

HSS is less susceptible to breakage than hard metal when subjected to impact loads.

Our HSS planer knives are vacuum-hardened at over 1200°C, followed by repeated tempering at about 550°C. This results in the optimum hardness of HRC 62+2 (Rockwell).

Recommended use

We recommend the carbide-tipped planing knives especially for harder woods, or exotic tropical woods with mineral intake due to the higher wear resistance.

We recommend HSS (HSS18% or HSS6%) planing knives when processing European softwood and hardwood. Since a branch or metallic objects such as nails may be present in the material during application, HSS is suitable here due to its lower sensitivity to breakage.

For pure hardwood without metallic objects, we recommend the carbide tipped version, which brings its benefit due to the significantly longer service life.

For the basic standard planer knives without grooves, holes or threads (see catalogue page 9 below), WESEMA has the qualities HSS18% and carbide tipped. For the planer knives for special hand planers (see catalogue page 10 below) the qualities HSS6% and also carbide-tipped.

Further development and experience

In the past, the planer knives were made of cold working steel (e.g. material 1.2379 / X153CrMoV12). This was largely replaced by the higher alloyed HSS in this area.

Today, for example, this cold working steel is still used in knife production for metalworking or for shredding knives, as other cutting and wear properties are required there.

The disadvantage is that cold working steel loses its hardness even at 200° C.

In the case of HSS, on the other hand, this only happens from about 600 °C. The key difference between these two species is the tungsten content in the HSS, which makes it more heat resistant. Furthermore, the tungsten content increases the strength, increases the hardness and the durability significantly.

It is known in the industry that there are enough cheap suppliers on the market who declare their planer knives with "HSS18%", but the knives do not meet this quality.

With over 35 years of experience, WESEMA has established itself on the market and stands for high quality in material and workmanship. From material procurement to hardening to grinding, the knives are closely controlled with the latest technology, so that you can expect a consistent professional quality. Alle Streifenhobelmesser, die in unserem Katalog aufgeführt sind, haben wir am Lager.

Üblicherweise werden alle Bestellungen, die bis 14 Uhr eingehen, noch am selben Tag verschickt.

Probieren Sie unsere Qualität und unseren vorbildlichen Service aus.

References

We have been supplying machine manufacturers such as Bosch, Flex, Mafell and Metabo with special, high-quality industrial knives for wood, fabrics and steel for many years.

We are happy to convince you too!

Same-day shipping

We have all planing knives listed in our catalog in stock.

Usually, all orders received by 2 p.m. will be shipped on the same day.

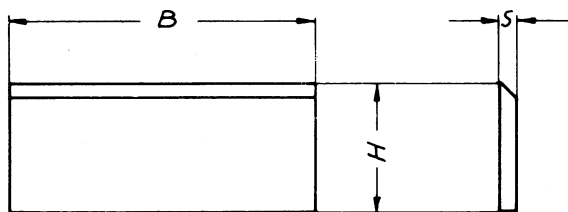
Try our quality and our exemplary service.

We are also happy to manufacture custom-made products according to your specifications.

Ask us! We are happy to advise you.

HSS 18% + HW-Streifenhobelmesser

Planning knives HSS 18% + Carbide tipped
 Couteaux pour rabots ARS 18% + Carbure
 Cuchillas largas HSS Co18% + Con punta de carburo



Standard-Abmessungen

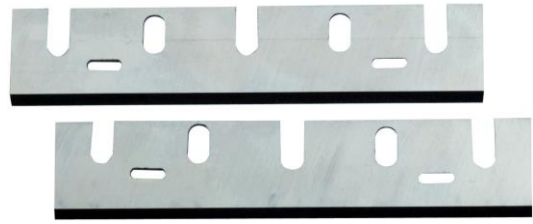
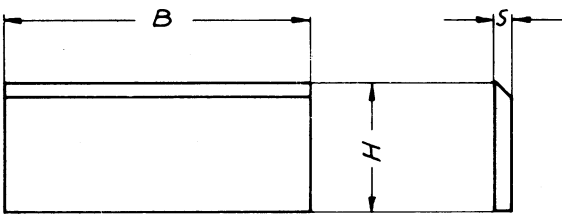
Abmessung Dimension Dimension Medidas B x H x S mm	HSS 18% Best.-Nr. Order-No. Réf.-No. Ref.no.	Stückpreis Price/piece Prix/pièce Precio/pieza EUR*	HW (HM) Best.-Nr. Order-No. Réf.-No. Ref.no.	Stückpreis Price/piece Prix/pièce Precio/pieza EUR*
100 x 30 x 3	1 001 230	5,70	1 001 430	22,10
120 x 30 x 3	1 201 230	6,80	1 201 430	26,30
130 x 30 x 3	1 301 230	7,40	1 301 430	28,70
150 x 30 x 3	1 501 230	8,50	1 501 430	33,10
170 x 30 x 3	1 701 230	9,70	1 701 430	37,50
180 x 30 x 3	1 801 230	10,20	1 801 430	39,70
190 x 30 x 3	1 901 230	11,60	1 901 430	41,90
210 x 30 x 3	2 101 230	11,90	2 101 430	46,30
230 x 30 x 3	2 301 230	13,00	2 301 430	50,70
240 x 30 x 3	2 401 230	13,70	2 401 430	52,90
250 x 30 x 3	2 501 230	14,20	2 501 430	55,10
260 x 30 x 3	2 601 230	14,70	2 601 430	54,60
300 x 30 x 3	3 001 230	17,00	3 001 430	66,20
310 x 30 x 3	3101 230	17,50	3 101 430	68,40
350 x 30 x 3	3 501 230	19,80	3 501 430	77,20
400 x 30 x 3	4 001 230	22,70	4 001 430	88,20
410 x 30 x 3	4 101 230	25,80	4 101 430	90,40
430 x 30 x 3	4 301 230	24,40	4 301 430	94,80
500 x 30 x 3	5 001 230	28,40	5 001 430	110,30
510 x 30 x 3	5 101 230	28,90	5 101 430	112,50
530 x 30 x 3	5 301 230	30,00	5 301 430	116,90
600 x 30 x 3	6 001 230	34,00	6 001 430	132,30
610 x 30 x 3	6 101 230	34,50	6 101 430	134,50
630 x 30 x 3	6 301 230	35,70	6 301 430	138,90
640 x 30 x 3	6 401 230	36,30	6 401 430	141,10
660 x 30 x 3	6 601 230	37,40	6 601 430	145,50
710 x 30 x 3	7 101 230	40,20	7 101 430	156,60
810 x 30 x 3	8 101 230	45,90	8 101 430	178,60

Für Zwischenmaße gilt der entsprechende Meterpreis - Bei Breite 35 mm + 5 % (bei Hartmetall bleibt der Preis derselbe) - Alle Sonderausführungen kurzfristig lieferbar.

For intermediate dimensions, the corresponding meter price applies - For width 35 mm + 5% (for carbide the price remains the same) - All special versions available at short notice.

Para mediciones intermedias, el precio del medidor correspondiente-a una anchura de 35 mm + 5% (para metal duro el precio sigue siendo el mismo)-todas las versiones especiales están disponibles a corto plazo.

* Unverb. Preisempfehlung zzgl. ges. MwSt.



Abmessung Dimension Dimension Medidas B x H x S mm		Best.-Nr. Order-No. Réf.-No Ref.no. HSS	Stückpreis Price/piece Prix/pièce Precio/pieza EUR*	Best.-Nr. Order-No. Réf.-No. Ref.no. HW (HM)	Stückpreis Price/piece Prix/pièce Precio/pieza EUR*
56 x 34 x 3	Adler, Typ Rapid, BHM 55	0 561 234	21,00	0 561 434	41,40
62 x 22 x 3	Metabo 4360	0 621 222	20,50	0 621 422	28,70
75 x 18 x 3	Bosch, Haffner, Holz-Her, Metabo	0 751 218	17,40	0 751 418	31,50
75 x 20 x 3,5	Holz Her 755 / 268	-	-	0 751 420	23,90
76 x 20 x 3	AEG, Mafell	0 761 220	16,00	0 761 420	23,00
77 x 28,6 x 3,15	Skil 60506	-	-	0 771 428	26,70
78 x 29 x 3	Towa L 22, L 22 L	-	-	0 781 429	23,70
80 x 27 x 2,9	Black & Decker, Elu, Scheer	0 801 227	21,60	0 801 427	30,10
82 x 18 x 3	AEG, Holz-Her, Mafell	0 821 218	8,30	0 821 418	21,50
82 x 28 x 3	Hitachi F-20 A	0 821 228	19,90	0 821 428	23,90
82 x 29 x 3	AEG, Aichi, B&D, Makita, Toshiba	0 821 229	13,20	0 821 429	21,10
82 x 29 x 3	Skil 96 H	0 821 222	23,50	0 821 422	31,60
92 x 29 x 3	Ryobi SKH, Towa L-100	0 921 229	17,60	0 921 429	33,90
92 x 30 x 3	Hitachi F 30 A	0 921 231	21,90	0 921 431	33,90
110 x 29 x 3	Makita 1911 B	1 101 229	20,20	1 101 429	57,80
155 x 32 x 3	Makita 1805, 1805 N, 1805 B	1 551 232	31,60	1 551 432	60,20
164 x 26 x 3	Mafell M 16	1 641 226	40,80	1 641 426	94,90
168 x 18,5 x 3	Hitachi P 50	1 681 218	26,90	1 681 418	72,70
170 x 35 x 3	Makita 1806 B	1 701 236	23,50	1 701 436	92,40
200 x 20 x 2,5	Kity Typ 635	2 001 222	13,40	2 001 422	67,25
210 x 30 x 3	Emco, Stehle	2 101 232	24,50	2 101 432	85,70
210 x 16 x 3	Elu DAH 176	2 111 216	44,70	-	-
220 x 25 x 2,5	Inca	2 201 225	13,90	2 201 225	-
252 x 25x 2,9	Flott-Jet	2 521 225	26,50	2 521 425	86,55
260 x 17,5 x 3	Scheppach (ohne Nut)	2 601 217	18,00	2 601 417	77,00
260 x 18 x 3	Scheppach (mit Nuten), Schleicher	2 601 218	24,80	2 601 418	93,70
260 x 18,8 x 4	Mafell MU	2 601 219	30,00	2 601 419	118,10
260 x 20 x 2,5	Kity Lurem Susemil	2 601 222	16,50	2 601 422	70,70
260 x 20 x 3	Elektra Beckum HC 260	2 601 227	24,70	2 601 427	99,00
260 x 21 x 3	De Walt DW 1150, Elu EPT 1153	2 601 221	26,50	2 601 421	97,20
260 x 25 x 3	De Walt DW 50	2 601 224	43,20	-	-
260 x 25 x 3	Emco 2000, B20 - Elektra	2 601 226	35,00	2 601 426	100,20
260 x 28 x 3	Holz Her UMH 0-26, Mafell M	2 601 228	21,95	2 601 428	104,70
262 x 25 x 2,5	Inca	2 621 225	35,10	-	-
262 x 26 x 3	Inca	2 621 226	34,70	2 621 426	99,50
263 x 20 x 3	Metabo ADH 1626	2 631 221	39,90	2 631 421	100,70
263 x 25 x 3	Elektra Beckum HC 260	2 631 227	35,10	2 631 427	104,70
263 x 25 x 3	EMCO Rex2000/B20, Metabo ADH260	2 631 226	41,90	2 631 426	99,70
280 x 18 x 3	Mafell ZH 280	2 801 219	47,00	2 801 418	115,70
304 x 25 x 3	ElektraHC300 Emco Metabo ADH1630	631 741 000	37,50	631 742 000	75,00
310 x 20 x 3	Elektra HC333, Metabo HC333	3 101 221	23,90	3 101 421	105,60
310 x 25 x 3	GEA JET Kimac Robland	3 101 225	19,50	3 101 425	78,40
312 x 25 x 3	Robland W310	3 121 225	55,80	3 121 425	110,10
320 x 18 x 3	Scheppach HMC 3200	3 201 218	20,00	3 201 418	116,30
400 x 20 x 2,5	Kity Scheppach	4 001 222	19,20	-	-