

We Understand Your Work

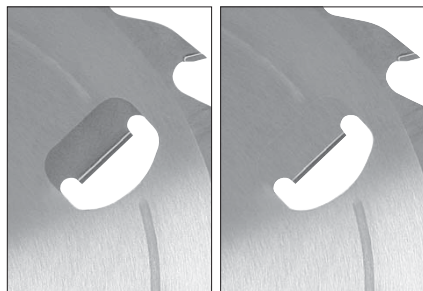


You are reading the new PILANA newsletter where we would like to inform you of our new tools, interesting items and basically anything we think could be useful for your work.

The newsletter will be issued occasionally, several times a year upon us obtaining information that we feel will be interesting to you. If you are missing some of the information in our newsletter, please let us know at sales@pilana.cz or visit us at the Ligna fair in Hannover. You will find us in hall No. 15, booth no. 50.

I wish you pleasant reading, Ladislav Koutnak

New and Innovative Products

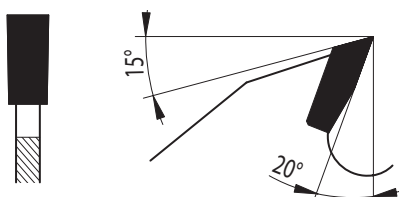


PILANA Blades for Multi-rip Machines with New Appearance and Better Cutting Properties

We are newly using a different technology for saw blade body surface finishing. The blade surface is smoother than it used to be and thus it is less clogged with resin and saw dust. The blade then heats up less in the cut and therefore has a longer service life.

The PILANA saw blades for multi-rip machines have a new, slightly different appearance. The change is most visually apparent around the clearing teeth, where the typical darker areas caused by surface sandblasting are no longer present. The designation type and the cutting parameters remain unchanged.

Picture description: Surface appearance around the clearing tooth: left original, right new.

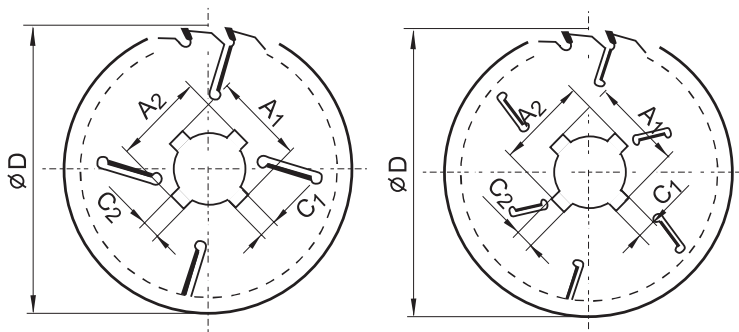


New Saw Blades for Multi-rip Machines – High Quality with Maximum Cut Height

The blades stated below have been developed for TOS Svitavy multi-rip machines. The design of these saw blades for multi-rip machines allows achieving the maximum height of cutting with the determined blade diameter. This is caused by the special design of the clamping opening with a diameter of $d = 80$ mm with four 13×5 mm grooves.

Typ	D	B	b	d	z	vz	h_{max}	dp_{max}
22 5394.1	300	$3,2/2,2$	2×80		18 + 4	FZ	90	105
22 5394.1	320	$3,2/2,2$	2×80		18 + 4	FZ	100	105
22 5394.1	350	$4,0/2,8$	2×80		18 + 4	FZ	115	105
22 5394.1	400	$4,0/2,8$	2×80		20 + 4	FZ	140	105
22 5394.1	450	$4,4/3,2$	2×80		24 + 4	FZ	165	105

For customers mainly from among the users of STROJCAD, UP 1000, and WEP machines, we have developed blades for multi-rip machines with large diameters for vertical and horizontal cutting. In the blade design, we have utilised our know-how in this area and the result is a saw blade that, despite its large diameter, achieves a very accurate cut.



Typ	D	B	b	d	z	vz
22 5394.1	400	$4,2/3,0$	30×30		20 + 4	FZ
22 5394.1	450	$5,0/3,5$	30×30		20 + 4	FZ
22 5394.1	500	$5,0/3,5$	30×30		22 + 6	FZ
22 5394.1	550	$5,5/3,5$	30×30		24 + 6	FZ
22 5394.1	600	$6,2/4,0$	30×30		26 + 6	FZ
22 5394.1	700	$6,5/4,5$	30×30		28 + 6	FZ

We make custom saw blades for multi-rip machines up to the diameter of 750 mm.

D – disc diameter, B – disc cutting width, b – body thickness, d – clamping opening, z – number of teeth, vz – number of cleaning teeth, h_{max} – max. cutting height, dp_{max} – max. clamping diameter of flanges



SK Saw Blades with PVD Coating – Tools with Higher Service Life and Performance

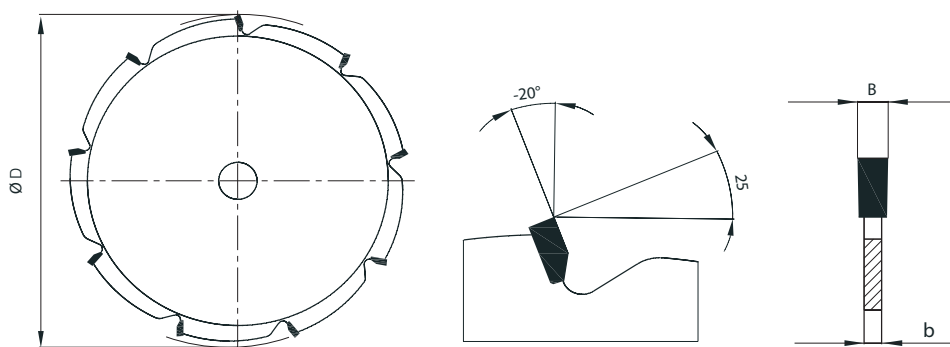
We are expanding the offer of coated saw blades with PVD coating. This coat has a gold colour, is extremely thin and several times harder than hardened steel and significantly decreases the friction coefficient. These properties are used for a considerable increase of performance and the prolongation of the service life of SK saw blades. Coat thicknesses range between 1 and 4 micrometers, which do not affect the saw thickness. The very low friction coefficient of 0.1 – 0.3 significantly decreases the risk of gluing of sawdust and resin on the blade surface and the possibility of its overheating and subsequent deformation. In order to preserve the hardness of the coat at cutting edges, the blades are ground only on the face. This surface finish is suitable for all blade types.



Scoring Blades for Trunk Band Saws

These scoring blades are our new product and were developed and tested in co-operation with wood band saw producers. The scoring blades remove the polluted bark from trunks at the cutting point. The saw band is dulled less and has a longer service life.

22 5380 180x5,0/2,9 x 20 9FZ N.



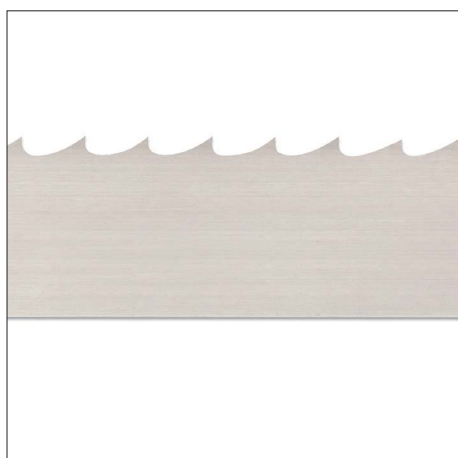
Wide Band Saw Blades Anew

We have commissioned a new line for the production of wide band saw blades. This investment applies to almost all production operations: band welding, straightening, and rolling, stelliteing, compacting, and sharpening of teeth. We have only included machines and equipment from the top companies in the field into the technology - Vollmer and Ideal.

Our customer obtains the following through this investment:

- Shorter delivery times
- Excellent cutting properties of the produced band saw blades
- Individual approach – the technological settings considering the production specifics of the bands for specific cutting conditions are archived for future use
- Large variability in the area of rolling on and the required shape of the tooth profile (more than 30 profiles)

You can find more detailed information in the [“Wide Band Saw Blades”](#) catalogue (more details on the following page).

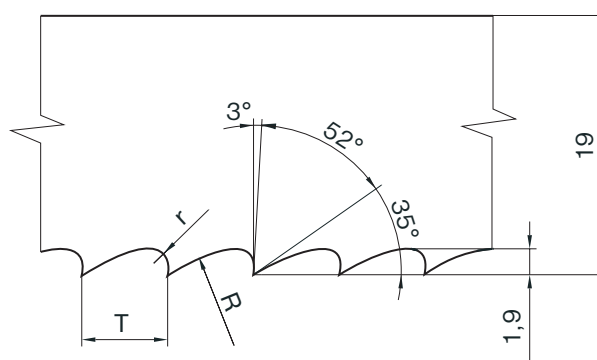


Meat and Frozen Products Band Saw Blades

We produce the bands from verified C 85 material. The bands are very resistant to corrosive influences. The mechanical properties are optimised for the needs of the meat and food processing industry. The rear edge is rounded. Therefore, the band can withstand higher stress in comparison with a band without this edge modification. We supply the bands as standard in the design:

- Set • Set - sharpened • Set - sharpened - hardened

22 5380 180x5,0/2,9 x 20 9FZ N.



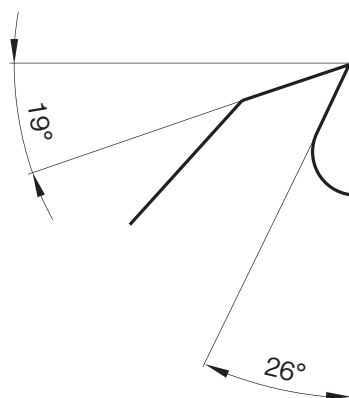


Expansion of the Dimensional Series of Saw Blades of Standard 225311 with a Decreased Number of Teeth for Multi-rip Machines

These saws pass through the process of annealing that decreases the undesirable tension in the saws and thus allows for use in more demanding operating conditions. This modification is shown in the saws by the typical blue-black colour.

By decreasing the number of teeth, better cutting properties of the blade are achieved. It is not clogged with saw dust and subsequently overheated.

The changes of centre openings, wedge, cleaning, and cooling grooves are additionally burnt into the saws using laser technology.



D	b	d	z	h _{max}	dp _{max}
250	2,2	30 - 80	18	55	120
250	2,2	30 - 80	24	55	120
300	2,4	30 - 80	18	75	120
300	2,4	30 - 80	24	75	120
300	3,0	30 - 80	18	75	120
300	3,0	30 - 80	24	75	120
350	2,8	30 - 80	18	85	140
350	2,8	30 - 80	24	85	140
350	3,2	30 - 80	18	85	140
350	3,2	30 - 80	24	85	140
350	3,5	30 - 80	18	85	140
350	3,5	30 - 80	24	85	140
400	2,5	30 - 80	24	100	170
400	3,0	30 - 80	24	100	170
400	3,5	30 - 80	24	100	170
450	2,8	30 - 80	24	120	170
450	3,5	30 - 80	24	120	170
500	3,0	30 - 80	28	140	170
500	3,5	30 - 80	28	140	170

D – blade diameter, b – body thickness, d – clamping opening, z – number of teeth, h_{max} – max. cut height, dp_{max} – max. clamping flange diameter

New Press Material

Wide Band Saw Blades – Czech – English – Polish

This six-page three-sheet provides extensive information regarding PILANA band saw blades (in comparison with information about this product range in the Wood Processing Tools catalogue). We have expanded the number of tooth shapes to several tens and we now have a wider dimensional range. A large part of the information concerns the advantages for our customers that can be experienced by installing new technologies (e.g. machine features, input measurement protocols, data archiving for repeated production). You can download the catalogues at our website in the language version of your choice in the section “Download > Woodworking Tools”. You can request the printed version from the address sevcik@pilana.cz

Profile Knives Poster – English – German – Czech

We have prepared a poster for you with a summary of the profile knives produced with a width of 40 mm printed in the A1 format. It is designed for easy and clear selection of profiles by customers for shops and sample rooms. If you are interested in the poster, contact your dealer or write to prodej@pilana.cz

Industrial Knives – German

You can download the catalogues at our website in the language version of your choice in the section “Download > Industrial Knives”. The printed form can be requested from the address knives@pilana.cz

In the future, we will prepare catalogues in these languages: Spanish, French, Italian, Russian, Portugese, Polish, Bulgarian, Hungarian and Romanian. Some of these catalogues will be available only in PDF format; others will be available in printed form.