

Sawmill

Circular sawblades for experts



Circular sawblades for sawmills

As individual as every single machining process

The demands placed on circular sawblades in sawmills are extremely high. A wide variety of wood types, high feed rates, long tool life and low waste are among the processing challenges. Leitz offers process-reliable solutions for special customer requirements with its customised tool range.



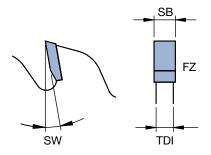


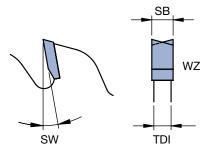
Pre-cut

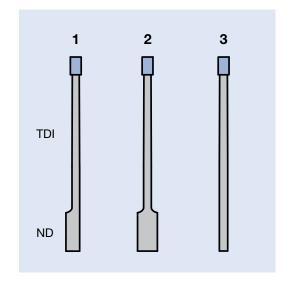
Longitudinal machining with carbide-tipped circular sawblades

The carbide-tipped circular sawblades are used on a pre-cutting unit (with or without hogger) for processing commercially available softwood and hardwood (dry or wet).

Application-optimised design of tooth shape and main blade







Type 1: one-sided recessed

Type 2: recessed on both sides

Type 3: smooth finish

YOUR BENEFITS

- Higher cutting performance
- Customised tool design
- Improved cutting quality

AT A GLANCE

- Coated main body for less adhesion (resinification)
- Optimised geometry for maximum process reliability
- Recessed main body for more stability



Carbide-tipped pre-cutting circular sawblade – longitudinal cut Example dimensions; various special dimensions and designs up to 850 mm diameter available on request

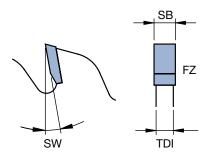
D mm	SB mm	TDI mm	ND mm	BO mm	NLA mm	DKN mm	Z	ZF	Туре	ID LH	ID RH
505	5.2	3.8	6.8	120	4/14/156		18	FZ	1	480000230	480000229
530	3.8	2.5	6.0	125	4/18/165 8/16/160		36	FZ	1	480000046	480000045
580	4.0	3.6	5.8	145	8/12/165	21x156	36	FZ	2	480000210	480000210
640	5.8	4.4	-	120	8/13/156		28	FZ	3	480000165	480000165
648	5.4	3.8	6.8	160	8/11/185		14	WZ	1	480000003	480000002

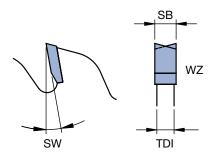
Re-cut

Longitudinal machining with carbide-tipped circular sawblades

The carbide-tipped circular sawblades are used on a multi-blade unit for processing commercially available softwood and hardwood (dry or wet).

Application-optimised design of the tooth shape





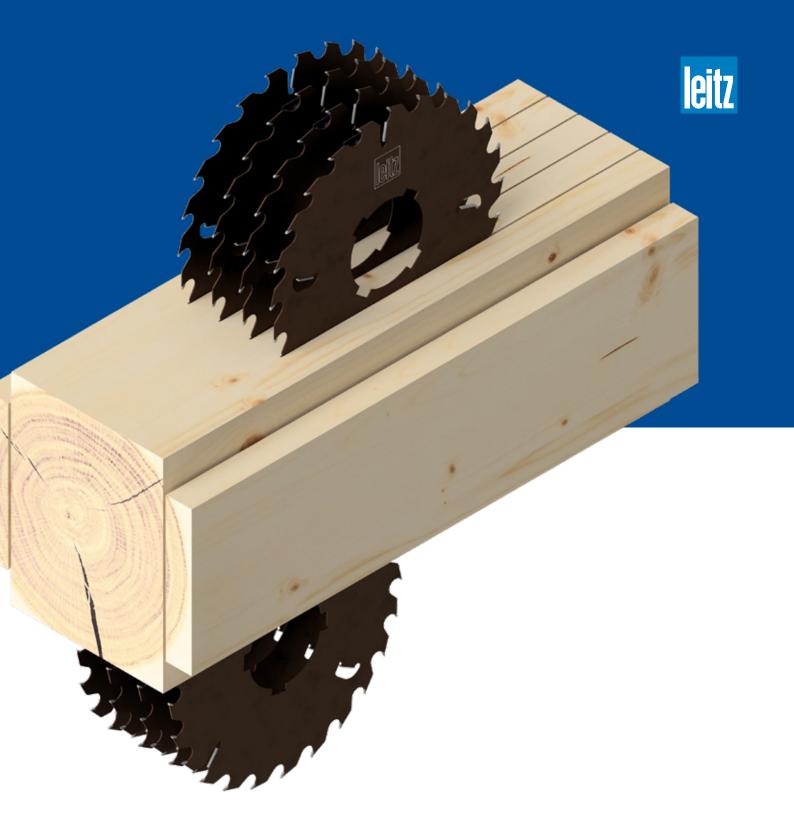


YOUR BENEFITS

- Higher cutting performance
- Customised tool design
- Improved cutting quality

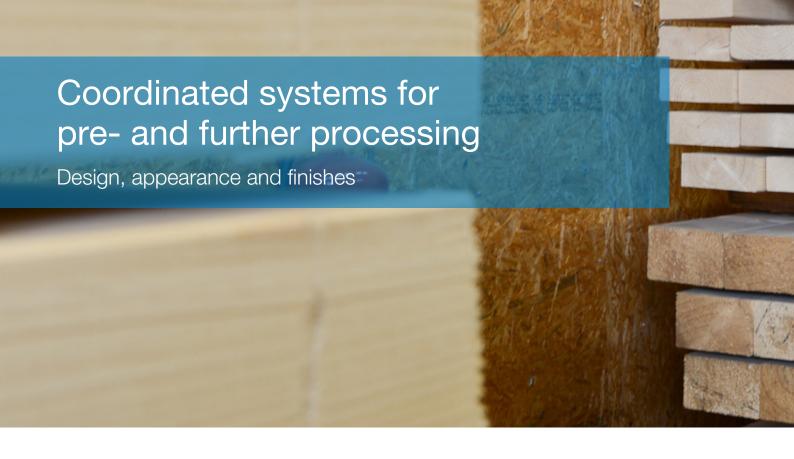
AT A GLANCE

- Coated main body for less adhesion (resinification)
- Optimised geometry for maximum process reliability
- Innovative carbide for long tool life

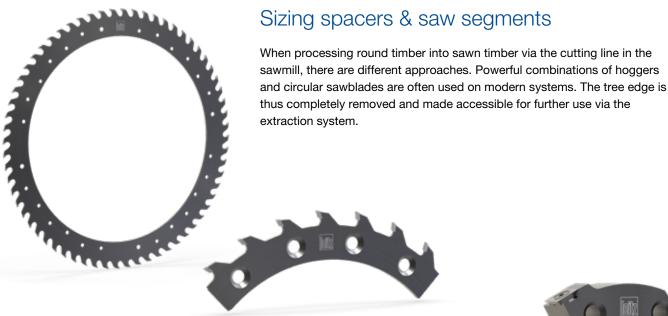


Carbide-tipped re-cut circular sawblade – longitudinal cut
Example dimensions; various special dimensions and designs up to 850 mm diameter available on request

D mm	SB mm	TDI mm	BO mm	NLA mm	DKN mm	Z	ZF	ID
360	3.6	2.2	150		37x169	20	WZ	480000117
400	4.4	3.0	85		19x96	12	FZ	480000198
410	4.8	3.4	125	12/6.6/140		20	FZ	480000203
500	4.7	3.4	150		37x170	28	FZ	480000184
540	2.8	1.8	150	DKN	37x170	45	FZ	480000572
555	5.6	4.0	120	4/13.4/156		24	FZ	480000172



Previous processing



Finishing cutter

Some systems are also equipped with a finishing cutter unit, particularly in the pre-cut. These cutters protect the saw spindle in case of tension in the wood. Unexpected movements in the process allow the tool to intervene before the saw spindle can be damaged. Profiling does not take place.



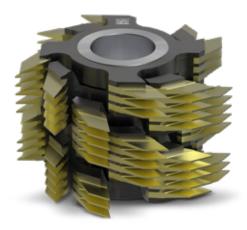


Subsequent processing

Planerheads

The first operation after cutting the raw wood is planing. It is primarily the most important step in woodworking. Here, the shape and material thickness are determined, and surfaces and reference surfaces are created. When planing, the selection of the right tool and the appropriate machining strategy are decisive for the results in all subsequent machining processes.





Minifinger joint cutter

The dimensionally stable jointing of several short wooden parts to form a large component creates wooden construction elements that would not occur in nature in the required shape, size or load-bearing capacity. Particularly important is the quality and stability of the corresponding type of joint. The production of high-quality flat or upright minifingers requires tools that are optimally matched to the material, adhesive and final use.

Profile cutter

The tipped profile cutters from Leitz are particularly robust and stand for the highest machining quality, long service life, low-maintenance operation and a significant reduction in set-up times.





Arguments for your success

Tools as good as new – this is based on the philosophy of maximum tool life and perfect machining quality throughout the entire life cycle of Leitz products. The Leitz tool service plays a decisive role in this. Taking the highest quality standards into account, Leitz is able to regrind tools of all types and from all manufacturers and deliver them back to the customer in manufacturer quality for use again – and that means around the globe in over 150 countries.

Your benefits due to ...



QUALITY

... in good hands

- Uniform service and quality standards worldwide
- Absolute precision throughout the whole service process
- Handling by qualified Leitz personnel
- Complete service process documentation



RELIABILITY

... with us as your partner

- Local personal contact partner
- Reliable tool collection and delivery
- Transparent pricing



KNOWLEDGE

... through our know-how

- Our own service education center for international employee and customer training
- Continuous updating of qualifications for our employees with special focus on technology and production
- Consultation service in almost all areas of the wood and wood-based materials processing industries



PRODUCTIVITY

... is our incentive

- Quick accessibility, fast reactivity
- Understanding of your production processes
- Short set-up times due to programming aids and application data (Plug-and-Play)
- Optimal use from your tools over their entire life cycle





100

Service locations worldwide



1000

Service employees worldwide



15 Mio

Tools per year



FLEXIBILITY

... through our solutions

- Most modern machines and technologies
- Individual customer care through various service models (e.g. Complete Care)
- Re-grinding tooling from all manufacturers
- Flexible pricing models (square meters, running meters, number of products, ...)



EFFICIENCY

... through our processes

- Simple and short administration processing
- State-of-the-art electronic data collection systems via smartphone or tablet
- Comprehensive and transparent working steps



SUSTAINABILITY

... for the environment

- Raw material and optimized wear – as little as possible, as much as necessary
- Paperless administration and production
- Careful handling of valuable resources

Leitz worldwide

Partner in your market





National companies



100

Service locations worldwide



150000

Satisfied customers



3000

Employees





