



QUADRATOOL
THIN CUTTING SOLUTIONS

PRODUCT CATALOG

Thin-Cutting Saw Blades & Maintenance Machines



QUADRATOOL
THIN CUTTING SOLUTIONS

QuadraTool stands for competence in Thin-Cutting.

Behind QuadraTool you find a competent and skilled team. Many years of experience and international contacts to well-known manufacturers in the field of thin cutting tools are our base.

The design and distribution of high-quality saw blades, grinding equipment, consumables and services for the precision Thin-Cutting is the object of our company. Together with our partners, we develop solutions for the industrial Thin-Cutting application and offer our customers top quality products on best terms.

Availability, quality and life time of saw blades are key factors and play in addition to the optimal tool preparation an important role. Our products are used in the production of high-quality lamellas (sawing veneer) for parquet floors, doors, pencil boards, multilayer boards, windows, furniture's, musical instruments and so on.

In accordance with our slogan „thin cutting solutions“, we offer our customers also consulting services along the process chain. Maximum yield by minimal loss of material is the credo!

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STELLITE® saw blades for thin cutting frame saw machines

High-quality Stellite saw blades are available for highest precision and productivity.

These universal usable saw blades are particularly suitable for processing all **soft woods**, as well as **European hardwood**.

- Cutting kerf from 0.7 mm
- Cutting height up to 400 mm
- High-strength cold-rolled band saw steel
- Tooth material Stellite®



		Saw blade length (mm)									
		380	390	420	430	455	470	500	510	550	560
Blade thickness / Cutting kerf (mm)	0.5 / 0.9	✓	✓	✓	✓	✓	✓	✓	✓	○	○
	0.7 / 1.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	0.8 / 1.25	✓	✓	✓	✓	✓	✓	✓	✓	○	○
	0.9 / 1.4	○	○	✓	✓	✓	✓	✓	✓	✓	✓
	1.0 / 1.6	○	○	○	○	✓	✓	✓	✓	✓	✓
Width (mm)	40	✓		✓		✓	✓	✓		✓	
	45		✓		✓				✓		✓
Pitch (mm)	13	✓	✓	✓	✓	○	○	○	○	○	○
	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	18	○	○	✓	✓	✓	✓	✓	✓	✓	✓
	20	○	○	○	○	○	○	✓	✓	✓	✓

standard
 on request
 suitable for all well-known thin cutting frame saw machines (Wintersteiger, Neva, M&J, ...)

STELLITE® Scraper saw blades for thin cutting frame saw machines

Scraper saws for the production of high-quality outer lamellas

Suitable for machining all soft woods and European hardwood. Recesses in the body of the scraper saw guarantee **optimum distribution of the tension** between the thin-cutting blades and scraper saw blades.



		Saw blade length (mm)									
		380	390	420	430	455	470	500	510	550	560
Blade thickness / Cutting kerf (mm)	2.4 / 2.9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2.11 / 2.6	✓		✓		✓	✓	✓	✓	✓	✓
	2.4 / 4.2		✓		✓						
	3.8 / 4.2		✓		✓						
Width (mm)	35	✓		✓		✓	✓	✓		✓	
	45		✓		✓				✓		✓
Pitch (mm)	13	✓	✓	✓	✓	○	○	○	○	○	○
	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	18	○	○	✓	✓	✓	✓	✓	✓	✓	✓
	20	○	○	○	○	○	○	✓	✓	✓	✓

standard
 on request
 suitable for all well-known thin cutting frame saw machines (Wintersteiger, Neva, M&J, ...)

Carbide-tipped saw blades for thin cutting machines

High-quality carbide tipped saw blades for highest demands

These unique saw blades are particularly suitable for the machining of **hard and tropical Woods**.

- Cutting kerf from 0.9 mm
- Cutting height up to 400 mm
- High-strength cold-rolled band saw steel
- Tooth material carbide-tip



		Saw blade length (mm)									
		380	390	420	430	455	470	500	510	550	560
Blade thickness / Cutting kerf (mm)	0.5 / 0.9	○	○	○	○	○	○	○	○	○	○
	0.7 / 1.1	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	0.8 / 1.25	✓	✓	✓	✓	✓	✓	✓	✓	○	○
	0.9 / 1.4	○	○	✓	✓	✓	✓	✓	✓	✓	✓
	1.0 / 1.6	○	○	○	○	○	○	✓	✓	✓	✓
Width (mm)	40	✓		✓		✓	✓	✓		✓	
	45		✓		✓				✓		✓
Pitch (mm)	13	✓	✓	✓	✓	○	○	○	○	○	○
	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	18	○	○	✓	✓	✓	✓	✓	✓	✓	✓
	20	○	○	○	○	○	○	✓	✓	✓	✓

standard
 on request
 suitable for all well-known thin cutting frame saw machines (Wintersteiger, Neva, M&J, ...)

Carbide-tipped scraper saw blades for thin cutting frame saw machines

Scraper saws for the production of high-quality outer lamellas

Suitable for machining all **hard and tropical Woods**. Recesses in the body of the scraper saw guarantee optimum distribution of the tension forces to the thin-cutting saw blades and scraper saws.



		Saw blade length (mm)									
		380	390	420	430	455	470	500	510	550	560
Blade thickness / Cutting kerf (mm)	2.4 / 2.9	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2.11 / 2.6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	3.8 / 4.2		✓		✓						
Width (mm)	35	✓		✓		✓	✓	✓		✓	
	45		✓		✓				✓		✓
Pitch (mm)	13	✓	✓	✓	✓	○	○	○	○	○	○
	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	18	○	○	✓	✓	✓	✓	✓	✓	✓	✓
	20	○	○	○	○	○	○	✓	✓	✓	✓

standard
 on request
 suitable for all well-known thin cutting frame saw machines (Wintersteiger, Neva, M&J, ...)

STELLITE®-saw blades for thin cutting band saw machines

High-quality band saw blades for highest precision and productivity

- Cutting kerf from 1 mm
- Saw blade width from 50 up to 100 mm
- High-strength cold-rolled band saw steel
- Tooth material Stellite



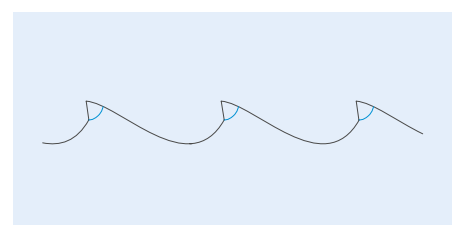
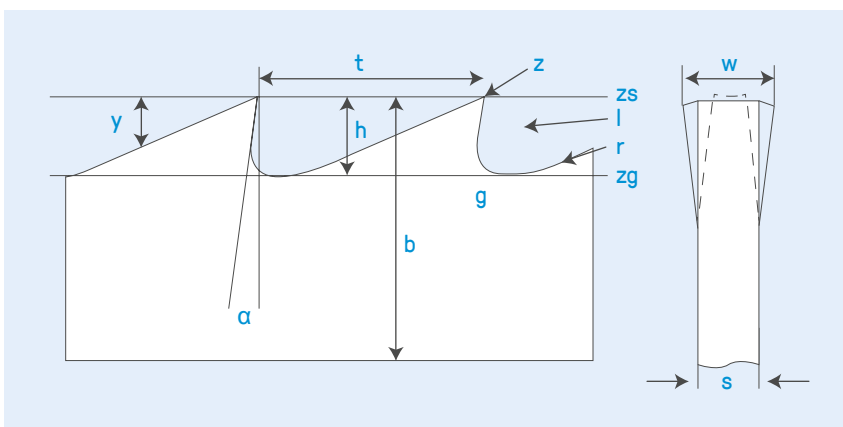
		Saw blade length (mm) (depending on the pitch, minor deviations are possible)						
		4375	5325	5500	5525	6090	6180	6500
Blade thickness / Cutting kerf	0.7 / 1.1	✓	✓	✓	✓	✓	✓	✓
	0.7 / 1.2	✓	✓	✓	✓	✓	✓	✓
	0.8 / 1.2	✓	✓	✓	✓	✓	✓	✓
	0.8 / 1.4	✓	✓	✓	✓	✓	✓	✓
	0.9 / 1.4	✓	✓	✓	✓	✓	✓	✓
Pitch (mm) PV & PCP	13	✓	✓	✓	✓	✓	✓	✓
	15	✓	✓	✓	✓	✓	✓	✓
	22	✓	✓	✓	✓	✓	✓	✓
	25	✓	✓	✓	✓	✓	✓	✓
	30	✓	✓	✓	✓	✓	✓	✓
Width (mm)	50	✓	✓	✓	✓	✓	✓	✓
	55	✓	✓	✓	✓	✓	✓	✓
	80	✓	✓	✓	✓	✓	✓	✓
	100	✓	✓	✓	✓	✓	✓	✓

All other dimensions on request

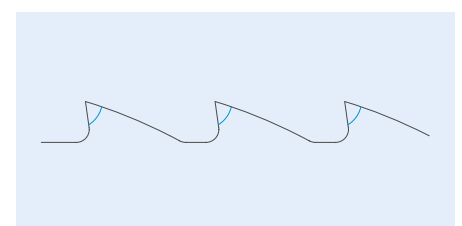
Suitable for all well-known thin cutting band saw machines (Wintersteiger, Fill, Neva, ...)

The band saw blades offer a wide range of **different parameters and tooth forms**, therefore an customer specific set up is required.

Saw blade parameter and tooth shapes



PCP tooth (PCP)

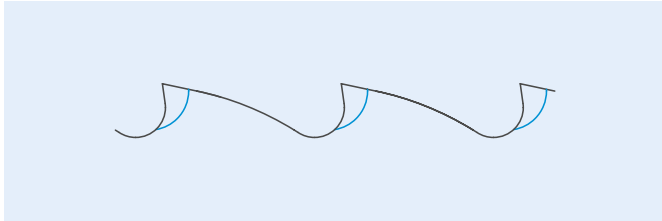


Curved tooth (PV)

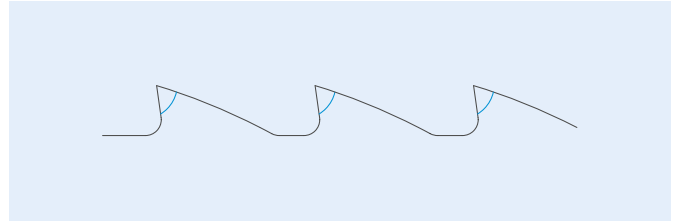
- | | | |
|----------------------------|------------------------|---------------------------|
| b Saw blade width | y Setting angle | r Tooth back |
| s Blade thickness | w Cutting kerf | t Pitch |
| h Tooth height | g Tooth root | zs Tooth tip line |
| alpha Cutting angle | z Tooth tip | zg Tooth base line |

Tooth shape and saw blade body shape

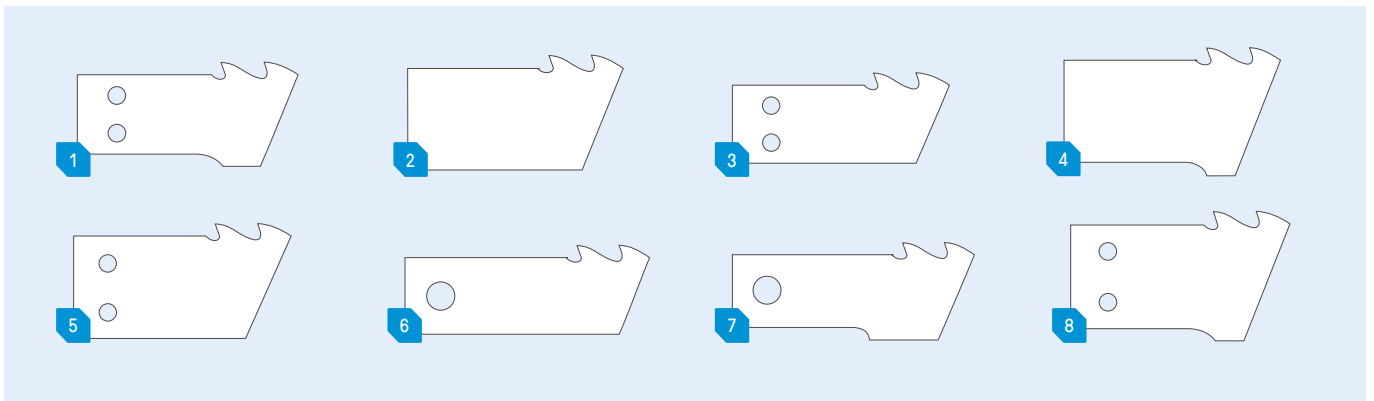
Following tooth shapes and types of blade body shapes are available for thin cutting frame saws:



Pointed tooth (NU)



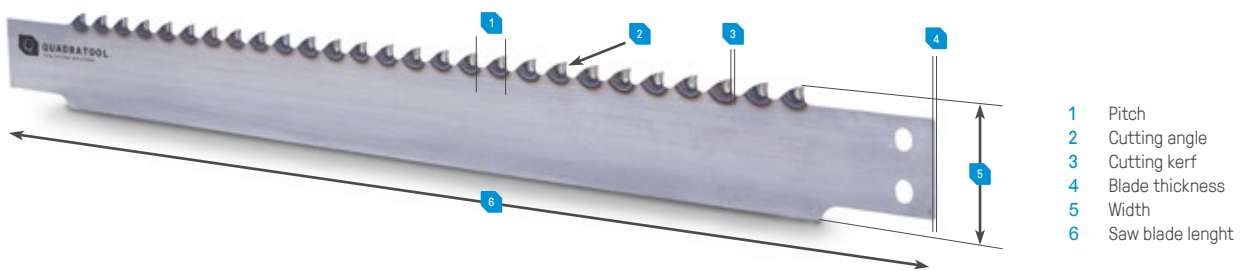
Curved tooth (PV)



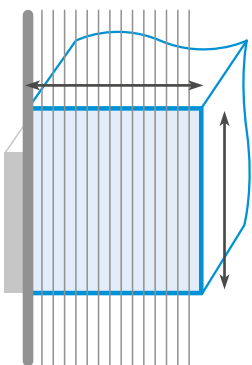
saw blade body shape

Saw blade parameter

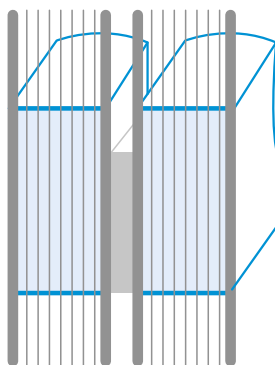
We advise you to get the best saw blade for your requirement.



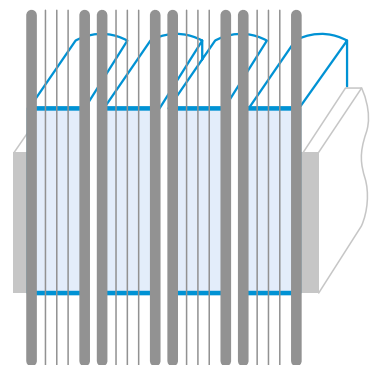
Guiding system's for thin cutting frame saw machines



Side guide system with scraper saw blade



Centre guide system with scraper saw blades



Channel system with two scraper saw blades

Saw service for thin cutting frame saw and band saw blades

Suitable for thin cutting frame saw-/scrapers and band saw blades

EasyGrinder Universal

First class sharpened saw blades are the basis for a good cutting performance and high yield. With the „EasyGrinder Universal“, thin-cutting frame saw blades, as well as thin-cutting band saw blades can be serviced alike. The economically priced machine for thin-cutting saw blades and scraper saws.

Technical data	
Grinding spindle speed	3700 rpm
Throughput performance	apr. 20-40 teeth/min
Grinding disc	150/25/5 mm
Cutting angle	2-25°
Setting angle	0-20°
Tooth height	4-8 mm
Pitch	10-25 mm
Saw blade length	380 to 560 mm/to 6500 mm*
Blade thickness	0.5-4.0 mm
Width	35-80 mm

*optional

The ease of use and precise grinding result are the most valuable advantages for the user.



Saw blade service and Aftersales

We sharpen your saw blades.

Also the best quality tool can only provide **optimum performance** when it is serviced regularly. We service your saw blades – please contact us!

Thereby, a **prompt processing** of your orders and a well-planned logistic ensures that your tools are ready to use in time

Framework agreement for consumables and saw blades

Your advantage:

- Just in time delivery
- Fast availability
- Best conditions





QUADRATOOL
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QuadraTool GmbH
4786 Brunnenthal, Austria

Irmannstrasse 11
Tel.: +43 7712 35405
Fax: +43 7712 35405 - 90

office@quadratool.com
www.quadratool.com

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