

Our BASIC already defines the HDS quality standard

BASIC is the result of decades of experience which continuously impacted the development process of the technologies used. So you now have a highly optimised, and tried and tested circular saw blade with numerous optional refinements.

We already draw on the highest quality materials when manufacturing the saw body. The respective heat treatments we select support the high HDS standard.

BASIC is manufactured precisely to your needs, so every piece of information about the specific operating conditions at your sawmill impacts the construction of your BASIC.

The additional application of our CoolCut option further perfects the performance of the circular saw blade with regard to optimal chip transport, preventing excess heating, reducing the kerf, extending the service life and/or increasing the feed rate.

The HDS plus factors of BASIC

+ Extremely smooth running

Even our BASIC is extremely smooth running, achieved by incorporating the internal tensioning in the special saw body style. These exemplary running properties contribute to increasing the stability of the circular saw blade.

Deflection-free cuts

Even at a peak load our BASIC keeps its shape, since the optional expansion slots with optional end hole or expansion slots with copper rivets limit thermal expansion. This ensures deflection-free cuts.

Reduced blade heating

In most cases the BASIC blade features TCT chip clearance slots, significantly reducing heating of the saw body. Our special geometry and the machined contour of the chip clearance slots ensure very little sawdust collects.

+ Reduced kerf

Select the option "CoolCut" or "double CoolCut" to reduce the kerf. A reduction is then applied to the outside of the saw blade, reducing excessive heating to the point the overall construction can be designed with an even thinner kerf.

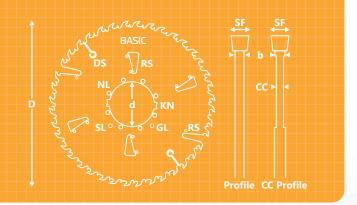






The "SoWa Sawmill Optimised Tool Design" make for maximum level circular saw blades for industrial sawmill use. Your circular saw blades are coordinated to your specific requirements and operating conditions. Using the technical data in our database and 3D CAD models production of your circular saw blades can always be automated and is reproducible.

b Saw body thickness . CC CoolCut . D Diameter . d Bore DS Expansion slot . GL Threaded hole . KN Key way . NL Pin hole RS Chip clearance slot . SF Kerf . SL Countersunk hole





BASIC

DimensionsODiameter350.0 mmNKerf4.8 mmN

Saw body thickness 3.2 mm
Bore 100.0 mm
Key ways 0
Pin-/countersunk holes 3

Cutting materialTCTNumber of teeth62Tooth formFSTooth type4

HDS-No. 15020

Features
Expansion slots 4



BASIC

Dimensions
Diameter 355.0 mm
Kerf 3.2 mm
Saw body thickness 2.2 mm
Bore 75.0 mm
Key ways 2+2
Pin-/countersunk holes 0

Cutting material TCT
Number of teeth 40
Tooth form F
Tooth type 4

HDS-No. 14198

HDS-No. 13269

HDS-No. 15432

Expansion slots

4



BASIC

DimensionsDiameter445.0 mmKerf3.6 mmSaw body thickness2.6 mmBore80.0 mmKey ways0Pin-/countersunk holes6

Cutting materialTCTFeaturesNumber of teeth36Cooling slots/holes6+6Tooth formFTooth type4



BASIC

Dimensions
Diameter 610.0 mm
Kerf 4.0 mm
Saw body thickness 2.8 mm
Spline-Bore 139.7 mm
Key ways 0
Pin-/countersunk holes 0

Cutting material	тст	Fea
Number of teeth	32	Exp
Tooth form	F	

Tooth type

Expansion slots

TCT- and ST-Circular saw blades



HDS-No. 10868



BASIC Duo

Dimensions		Cı
Diameter	300.0 mm	N
Kerf	3.6 mm	To
Saw body thickne	ss 2.4 mm	To
Bore	80.0 mm	
Key ways	2+2	

0

Cutting materialTCTNumber of teeth16+2Tooth formFTooth type4



BASIC Duo

Pin holes

HDS-No. 13254

Dimensions				
Diameter	450.0	mm		
Kerf	4.6	mm		
Saw body thickness	3.2	mm		
Bore	105.0	mm		
Key ways		2+2		
Pin-/countersunk he	oles	0		

Cutting materialTCTNumber of teeth44+2Tooth formFTooth type4

FeaturesExpansion slots 2



BASIC Tria

HDS-No. 14338

Dimensions		(
Diameter	470.0 mm	
Kerf	3.2 mm	
Saw body thickness	ss 2.0 mm	
Bore	150.0 mm	
Key ways	2+2	
Pin-/countersunk	holes 0	

Cutting materialTCTNumber of teeth30+3Tooth formFTooth type4



BASIC Tria

HDS-No. 14673

Dimensions			C	utt
Diameter	500.0	mm	N	um
Kerf	5.8	mm	To	ot
Saw body thickness	4.0	mm	To	ot
Bore	140.0	mm		
Key ways		0		
Pin-/countersunk h	oles	8		

Cutting materialSTNumber of teeth48+3Tooth formWTooth type4



BASIC Tria Plus

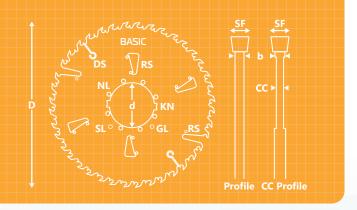
HDS-No. 10077

Dimensions			
Diameter	535.0	mm	
Kerf	2.8	mm	
Saw body thickness	1.8	mm	
Bore	150.0	mm	
Key ways		2+2	
Pin-/countersunk he	ales	0	

Cutting materialTCTNumber of teeth36+3Tooth formFTooth type4 Plus

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b Saw body thickness . CC CoolCut . D Diameter . d Bore DS Expansion slot . GL Threaded hole . KN Key way . NL Pin hole RS Chip clearance slot . SF Kerf . SL Countersunk hole



HDS-No. 15416

HDS-No. 10423

HDS-No. 16885



BASIC Tetra

Dimensions 470.0 mm Diameter 5.0 mm Kerf Saw body thickness 3.4 mm 130.0 mm Key ways Pin-/countersunk holes

Cutting material TCT Number of teeth 52+4

Features Bevelled gullet Tooth form W Tooth type 4



BASIC Tetra Plus

Dimensions

490.0 mm Diameter Kerf 4.4 mm Saw body thickness 3.0 mm 150.0 mm Bore Key ways 2+2 Pin-/countersunk holes

Cutting material TCT Number of teeth 36+4 Tooth form Tooth type 4 Plus

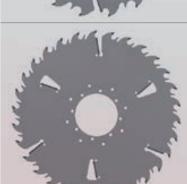


BASIC Tetra Plus

Dimensions

507.0 mm Diameter 5.0 mm Kerf Saw body thickness 3.6 mm 120.0 mm Bore Key ways 2 x oval+4 Pin holes

Cutting material TCT 18+4 Number of teeth Tooth form Tooth type **PV Plus**



BASIC Hexa Plus

Dimensions

450.0 mm Diameter 4.4 mm Saw body thickness 3.0 mm 115.2 mm Bore Pin-/countersunk holes 2+16

HDS-No. 15454

Cutting material TCT 30+6 Number of teeth Tooth form Tooth type 4 Plus

TCT- and ST-Circular saw blades





BASIC Hexa Plus

HDS-No. 10413

Features

Features

Expansion slots

Expansion slots

Diameter 490.0 mm
Saw body thickness 5.6 mm
Kerf 4.2 mm
Bore 150.0 mm

Bore 150.0 mm Key ways 2+2 Pin-/countersunk holes 0 Cutting materialTCTNumber of teeth36+6Tooth formFTooth type4 Plus



BASIC Hexa dCC Plus

HDS-No. 14287

Dimensions
Diameter 545.0 mm
Kerf 4.6 mm
Saw body thickness 3.1 mm
Bore 150.0 mm
Key ways 2+2
Pin-/countersunk holes 0

Cutting materialTCTNumber of teeth18+6Tooth formFTooth type4 Plus

CoolCut dCC



BASIC Hexa Plus

HDS-No. 11264

Dimensions
Diameter 550.0 mm
Kerf 4.8 mm
Saw body thickness 3.4 mm
Bore 60.0 mm
Key ways 0
Pin-/countersunk holes 0

Cutting materialTCTNumber of teeth24+6Tooth formFTooth type4 Plus



BASIC Octo dCC Plus

HDS-No. 13817

Dimensions
Diameter 780.0 mm
Kerf 6.0 mm
Saw body thickness 4.1 mm
Bore 160.0 mm
Key ways 2
Pin-/countersunk holes 6

Cutting materialTCTNumber of teeth20+8Tooth formWTooth type4 Plus

double CoolCut dCC



BASIC Deka

HDS-No. 11162

Dimensions
Diameter 695.0 mm
Kerf 5.9 mm
Saw body thickness 4.0 mm
Bore 120.0 mm
Key ways 0
Pin-/countersunk holes 8

Cutting materialTCTNumber of teeth28+10Tooth formFTooth type4

HDS. THE SAWMILL TOOL COMPANY