

TECHNOLOGY

GRADUATED
SAW BLADE TECHNOLOGY **AST**

STABILO for rough cut



Individual blade profile

The blade profile crucial for dynamic rigidity is calculated specifically to your cutting program according to "SoWa Sawmill Optimised Tool Design" for each STABILO circular saw blade, incorporating over 30 factors. Here we offer two basic designs, the blade profile graduated on one side or on both sides.

For rough cut: STABILO featuring one side with graduated blade profile

The profile with single or dual gradation on one side is usually used in rough cutting. The different cutting heights result in lateral, varying secondary forces. The blade profile gradation on one side compensates this imbalance so the extreme dynamic rigidity has a positive effect.

For fine cut: STABILO featuring both sides with graduated blade profile

The reduced and nearly even cutting heights in fine cutting result in a more balanced relative strength. The high dynamic rigidity also has an extremely positive effect here, allowing for a reduction of the kerf.

STABILO for fine cut



The HDS plus factors of STABILO

- + **Individual blade profile**
is crucial for the dynamic rigidity and is designed and calculated individually considering all factors
- + **Smaller kerf or higher feed rate**
by dynamic rigidity of the tried and tested "AST Graduated Saw Blade Technology"
- + **Energy saving**
compared to straight circular saw blades by reducing the kerf
- + **Long service life**
due to the extremely massive saw body, hence suitable for several regeneration cycles
- + **Reduced bearing load**
through the use of smaller distance rings
- + **Lower level of heating**
in the tooth area, which is the thinnest area of the circular saw blade, thus minimising the frictional heat of sawdust
- + **Chip clearance slots facing**,
protecting the collar from excessive heating, thus burns, on the model end

AST-Gradation types

ESEF : single gradation on one side
ESZF : dual gradation on one side

AST-Gradation types

BSEF : single gradation on both sides
BSZF : dual gradation on both sides

CoolCut CC

CoolCut ▶

Our BASIC and STABILO circular saw blades are available with "CoolCut" option on request. Here a slight reduction is added to the outside of the circular saw blade.

Just as AST, CoolCut provides thermal relief of the saw body, allowing a reduction in the kerf or selecting very high feed rates.

The reduction at the tooth base can be scaled back, enlarging the solder area for TCT and stellite teeth, thus ensuring more sturdy tooth tipping.

The "double CoolCut" option is available to increase the CoolCut effect.

double
CoolCut dCC