



RÖNTGEN®

GERMAN QUALITY - ENDURING PRECISION

BAND SAW BLADES PROGRAM

Product overview

**BAND SAW BLADES
FOR THE WORLD
AND BEYOND!**



HM-Titan

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RANGE OF APPLICATIONS

EXPLANATION OF ICONS


Due to the variety of our band saw blades, we are able to cover a wide range of applications. The following icons indicate which band saw blade fits best to your individual cutting job.



Thick-walled tube




Thick-walled tubes & solid bar




Round solids




Plates



Engine block



Riser & Sprues



Square solids

HM-Titan

MU

- multi-chip geometry
- universal use, cutting of all common steel types up to a hardness of 1600 N/mm2
- tooth tips made of high-quality carbide
- backing material made of high alloyed spring steel
- particularly quiet and vibration free cutting with an optimized cutting surface due to precise ground geometry

RANGE OF APPLICATIONS



Teeth per inch

	0.85/1.15	1.1/1.6	1.5/2	1.8/2.2	2/3	3/4	
27 x 0.9						■	1 x .035
34 x 1.1					■	■	1 1/4 x .042
41 x 1.3			■		■	■	1 1/2 x .050
54 x 1.3			■		■	■	2 x .050
54 x 1.6	■	■	■		■	■	2 x .063
67 x 1.6	■	■	■	■			2 5/8 x .063
80 x 1.6		■					3 1/8 x .063

Width x thickness (mm) ■ Hook tooth

HM-Titan

forteC

- corresponds to the specification of HM-Titan MU with an additional forteC-coating for increasing cutting performance
- increased performance and reduced cutting times
- pre-honed cutting edges

RANGE OF APPLICATIONS



Teeth per inch

	0.85/1.15	1.1/1.6	1.5/2	1.8/2.2	2/3	3/4	
34 x 1.1					■	■	1 1/4 x .042
41 x 1.3			■		■	■	1 1/2 x .050
54 x 1.3			■		■		2 x .050
54 x 1.6		■	■		■		2 x .063
67 x 1.6	■	■	■	■			2 5/8 x .063
80 x 1.6	■	■					3 1/8 x .063

Width x thickness (mm) ■ Hook tooth

HM-Titan

B0

MUSN

- high performance band saw blade with special geometry
- cutting of hardened/inductive annealed and extremely hard materials > 50 HRC
- tooth tips made of high-quality carbide
- backing material made of high alloyed spring steel
- MUSN requires for the use of heavy-duty sawing machines

RANGE OF APPLICATIONS



Teeth per inch

	1.5/2	2/3	3/4	
27 x 0.9			● ■	1 x .035
34 x 1.1		■	● ■	1 1/4 x .042
41 x 1.3	■	● ■	● ■	1 1/2 x .050
54 x 1.3		■	■	2 x .050
54 x 1.6		■	■	2 x .063

Width x thickness (mm) ■ tooth form B0 ● tooth form MUSN

HM-Titan

SET

nSET

- multi-chip geometry
- universal use, cutting of all common steel types up to a hardness of 1600 N/mm2
- the special set pattern causes a larger cutting channel, prevents the saw blade from binding in materials with residual stress (i.e. Inconel, Hastelloy)
- also suitable for powerful sawing machines and less powerful machines not specially equipped for TCT-blades
- particularly suitable for large contact lengths
- available in step set (SET) and normal set (nSET)

RANGE OF APPLICATIONS



Teeth per inch

	0.7/1.0	0.85/1.15	1.1/1.6	1.5/2	2/3	3/4	
27 x 0.9						●	1 x .035
34 x 1.1					■ ●	●	1 1/4 x .042
41 x 1.3				■ ●	■ ●	●	1 1/2 x .050
54 x 1.3				■ ●	●	●	2 x .050
54 x 1.6				■ ●	■ ●	●	2 x .063
67 x 1.6		■	■ ●	■ ●			2 5/8 x .063
80 x 1.6	■	■	■				3 1/8 x .063
100 x 1.6							4 x .063

Width x thickness (mm) ■ SET ● nSET

HM-Titan

Profile

- multi-chip geometry
- cutting of all common steel types up to a hardness of 1900 N/mm2
- particularly suitable for thick-walled tubes/tough materials/special alloys

RANGE OF APPLICATIONS



Teeth per inch

	1.5/2	1.8/2.2	2/3	3/4	
27 x 0.9				■	1 x .035
34 x 1.1			■	■	1 1/4 x .042
41 x 1.3				■	1 1/2 x .050
54 x 1.3				■	2 x .050
54 x 1.6	■		■		2 x .063
67 x 1.6	■	■			2 5/8 x .063

Width x thickness (mm) ■ Profile

HM-Titan

Profile forteC

- corresponds to the specification of HM-Titan Profile with an additional forteC-coating for increasing cutting performance
- increase in performance of 10-30% with the same tool life
- pre-honed cutting edges

RANGE OF APPLICATIONS



Teeth per inch

	1.1/1.6	1.5/2	2/3	3/4	
41 x 1.3		●	●	●	1 1/2 x .050
54 x 1.3					2 x .050
54 x 1.6	●	●	●	●	2 x .063
67 x 1.6		●			2 5/8 x .063

Width x thickness (mm) ● Profile

On request type BO and type MUSN are also deliverable with forteC-coating

SOLUTIONS FOR SPECIAL APPLICATIONS

RÖNTGEN back wave (RW)

The RÖNTGEN "RW" is brought on the back edge of the ready welded loop. The wave reduces the effective contact length in the cutting channel. The shorter contact length reduces the cutting force required, resulting in increased saw blade tool life.

HM-Titan

ALU2

- 3-chip-geometry
- developed for abrasive, high silicon alloys
- tooth tips made of wear resistant special carbide
- high alloyed spring steel strip for high blade speeds and feeds
- particularly suitable for blocks, plates, sprues and risers

RANGE OF APPLICATIONS



Teeth per inch

	2	3	0.85/1.15	1.1/1.6	1.5/2	2/3	
20 x 0.9		■					3/4 x .035
27 x 0.9		■				■	1 x .035
34 x 1.1	■	■			■	■	1 1/4 x .042
41 x 1.3					■	■	1 1/2 x .050
54 x 1.3					■	■	2 x .050
54 x 1.6			■	■	■		2 x .063
80 x 1.6			■				3 1/8 x .063

Width x thickness (mm) ■ Hook tooth

HM-Titan

ALU3

- multi-chip geometry
- developed for abrasive, high silicon alloys
- tooth tips made of wear resistant special carbide
- high alloyed spring steel strip for high blade speeds and feeds
- particularly suitable for manual feed
- optimized cutting surfaces for plates- and block cutting applications

RANGE OF APPLICATIONS



Teeth per inch

	2	3	1.1/1.6	1.5/2	2/3	
27 x 0.9		■			■	1 x .035
34 x 1.1	■	■		■	■	1 1/4 x .042
41 x 1.3			■	■		1 1/2 x .050
54 x 1.3				■		2 x .050
54 x 1.6			■	■		2 x .063

Width x thickness (mm) ■ Hook tooth

HM-Titan

ALU MAX

- multi-chip geometry
- optimized for large contact lengths
- tooth tips made of wear resistant special carbide
- high alloyed spring steel strip for high blade speeds and feeds
- optimized cutting surfaces for plates- and block cutting applications

RANGE OF APPLICATIONS



Teeth per inch

	0.7/1	0.9/1.2	1.1/1.6	
41 x 1.3			■	1 1/2 x .050
54 x 1.3		■		2 x .050
54 x 1.6		■		2 x .063
80 x 1.6	■	■		3 1/8 x .063

Width x thickness (mm) ■ Hook tooth

HM-Titan

ALU SET

- 3-chip-geometry
- universal use, also suitable for mineral materials
- the special set pattern causes a larger cutting channel, prevents the saw blade from binding in materials with residual stress
- high alloyed spring steel strip for high blade speeds and feeds
- particularly suitable for manual feed

RANGE OF APPLICATIONS



Teeth per inch

	2	3	
20 x 0.9		■	3/4 x .035
27 x 0.9		■	1 x .035
34 x 1.1	■	■	1 1/4 x .042

Width x thickness (mm) ■ Hook tooth

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