



PRODUCT CATALOG

BAND SAW BLADES

Honsberg

LSAB
cutting excellence

FORTIVA
MAKES A DIFFERENCE

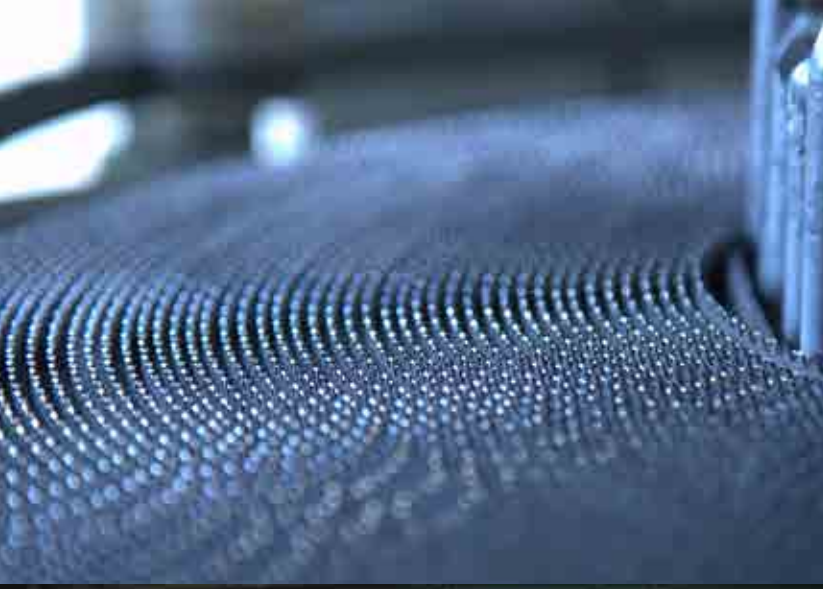














TABLE OF CONTENTS

04	Quality
06	Global
08	Innovation
10	History
12	Level
















14 **Bimetal Bandsaw Blades M42**

16	Honsberg Spectra / No. 729 / 721 / 720 / 728	
18	Honsberg Spectra EHS / No. 767	
19	Honsberg Spectra Black / No. 726	
20	NEW Honsberg Secura No. 761 / Honsberg Secura EHS No.763	
21	Honsberg Secura Black / No. 765	
22	Honsberg Secura PIPE / No. 762	
23	Honsberg Secura Foundry / No. 770	
24	Honsberg Delta / No. 730	
25	Honsberg Master / No. 740	



26 **Bimetal Bandsaw Blades M51**

28	Honsberg Duratec / No. 700	
29	NEW Honsberg Duratec Master / No. 702	
30	Honsberg Aurum / No. 708	

32 **Carbide Bandsaw Blades**

34	NEW Honsberg Sinus nSet / No. 851	
35	NEW Honsberg Sinus SET Xtreme / No. 850	
36	NEW Honsberg Sinus Pro Balance / No. 860	
37	NEW Honsberg Sinus Pro Balance Black / No. 865	
38	Honsberg Sinus TAP / No. 810	
39	Honsberg Sinus Black TAP / No. 815	
40	NEW Honsberg Sinus TNF SET / No. 824	
41	Honsberg Sinus TNF 2 / No. 822	
42	NEW Honsberg Sinus TNF 3 / No. 823	
43	NEW Honsberg Sinus TNF 4 / No. 827	
44	Honsberg Sinus TSN / No. 840	
45	Honsberg Sinus Black TSN / No. 845	
46	NEW Honsberg Quantum / No. 830	
47	NEW Honsberg Sinus TCO / No. 886	
48	NEW Honsberg Sinus TW / No. 880	

50 **Grit Bandsaw Blades**

52	Honsberg Cerrus Continuous / No. 370	
53	Honsberg Cerrus Gulleted/ No. 371	

54 **Tool Steel Bandsaw Blades**

56	Honsberg Extra / No. 511 / 510	
57	Honsberg Super / No. 521 / 520	

58 **Power Hacksaw Blade / No. 332 / 334 / 337**

60 **Hand Hacksaw Blade / No. 342 / 344 / 345 / 346**

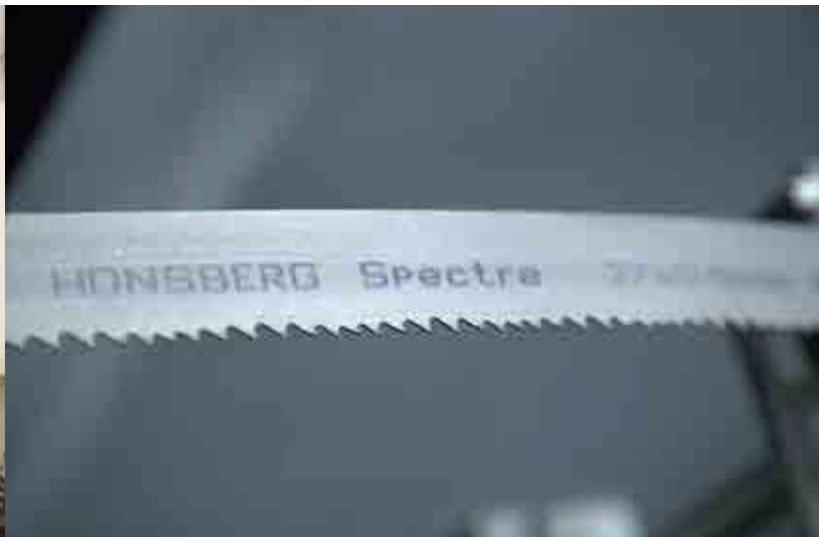
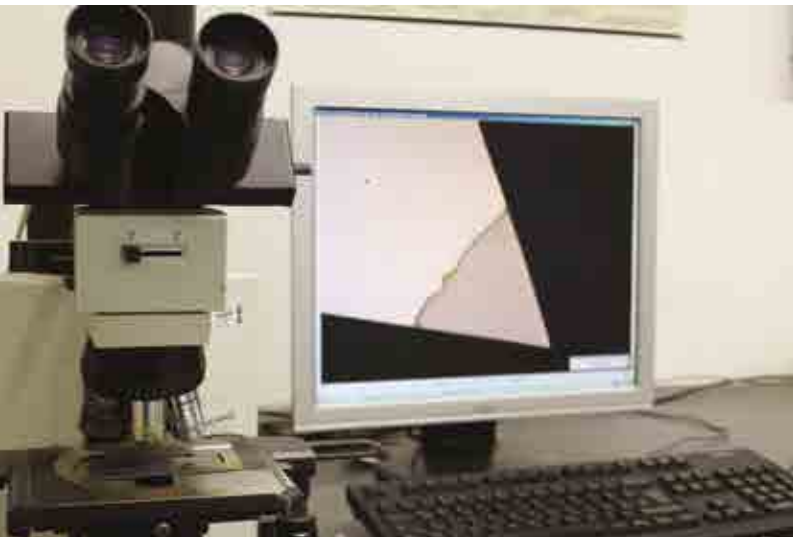
62	Service accessories
64	Digital Solutions
66	Tooth geometry technology
68	Special versions
70	Application technology service
71	Technique

Quality



Customer satisfaction is the goal of our daily work

Made by Honsberg – our products are considered to be world leading technology. Our quality control system is certified by DIN EN ISO 9001:2015 since 1995 and is dynamically implemented focusing on continuously improvement.



Global



Welcome to Our World

You can find our products through our headquarters, our branches and distribution partners in every important industrial countries.

Qualified service makes our precision saw blades a reliable tool for the daily use of professionals. We train our staff and our partners worldwide so that any cutting problem is addressed and solutions are implemented smoothly. Understanding is the key for service – worldwide, every day.



Innovation



Innovation

Improved material grades and processes are a challenge for us every day. Customer Service, Research & Development, Production and Quality Control work together to understand customers' demands and implement innovative solutions – ready for the future.



History

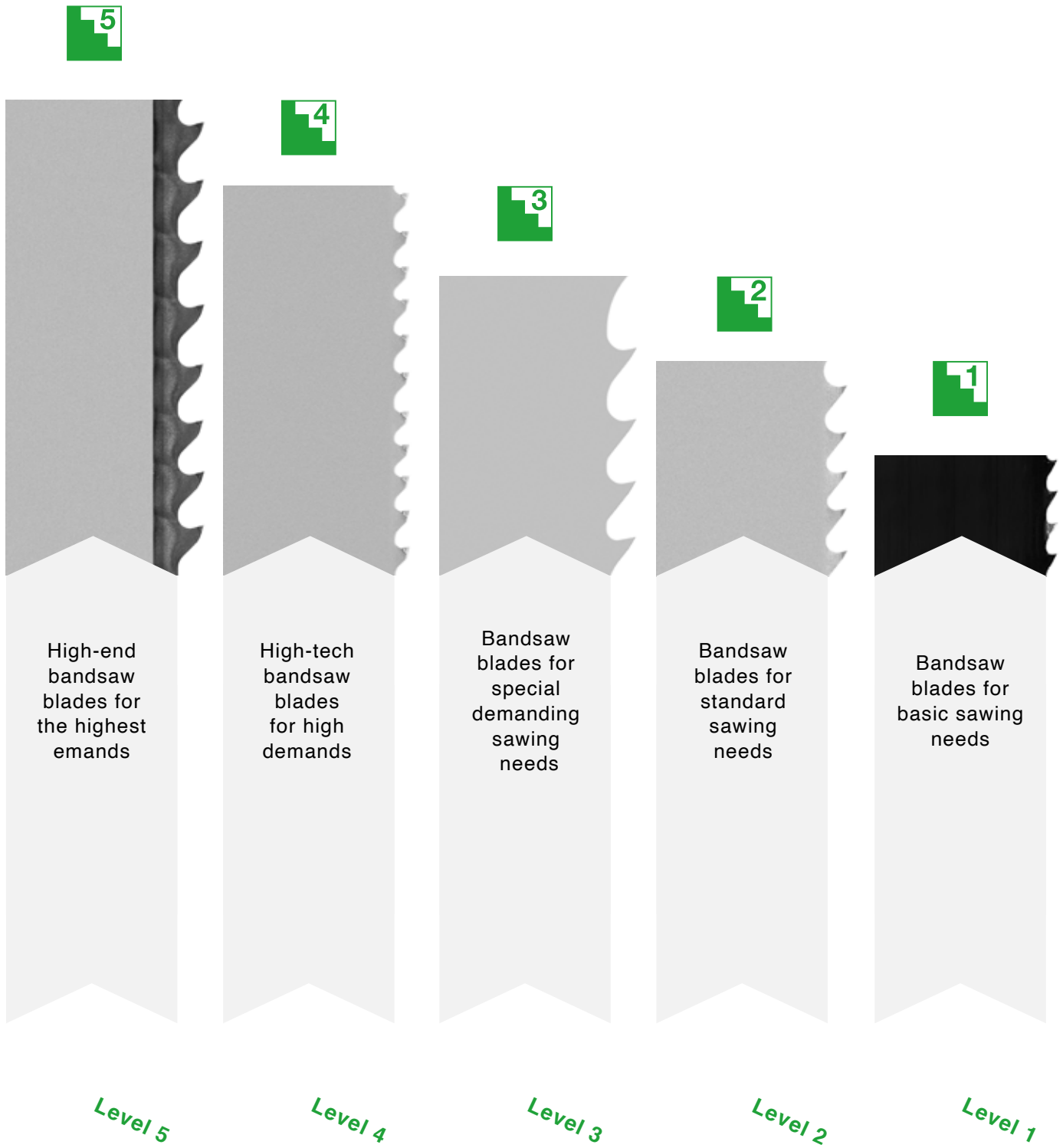


Produced in Remscheid, Germany since 1798

As a privately held corporation we only develop and produce our precision saw blades at our headquarters in Remscheid, the founding and historical city of the German tool industry.



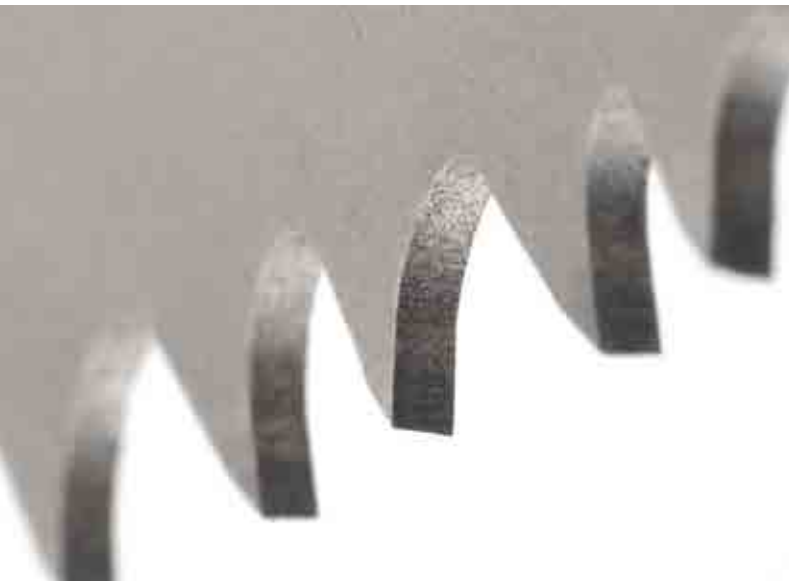
Level



Bandsaw Blades

Sawing is a technology that requires use of special tools, depending on the material, processing condition and contour. Another factor in the selection of a band saw blade is the specific band saw machine used.

Honsberg band saws are divided into five quality & tooth geometry levels according to the material grade and material shape.







The logo for Honsberg, featuring the word "Honsberg" in a green, sans-serif font. Above the letter "o" is a green triangle pointing upwards, and below the word is a green horizontal line. A registered trademark symbol (®) is located to the right of the line.

Bimetal Bandsaw Blades

Quality M42

- The right cutting edge for all standard and special applications
- Optionally available with multilayer PVD coating for the maximum performance and longest service life

Packaging units	Rolls from 30 m to approx. 100 m, depending on the band width endless-welded bands
Band widths	6 to 100 mm
Tooth shapes	K / S, P / PP, D, M → 
Tooth pitches	Vario Normal
Quality	HSS M42 high speed steel with 8% cobalt 68 to 69 HRc
Backing	made of high-alloyed spring steel
Special designs	EHS / PIPE / Master / Black / Impact Plus → 



M42 HSS



The universal tool for all materials of strength up to 1400 N/mm²

- Our solution for**
- Single, layer and bundle cuts
 - K-tooth: Sawing solid material

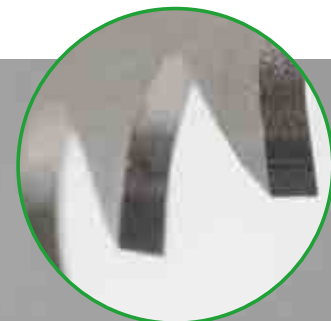
- Advantages**
- Robust bandsaw blade with long service life
 - Optimal for standard to high-alloyed materials
 - Low noise level due to reduced vibrations

- Features**
- K-tooth: positive rake angle of 10°
 - Available in Vario and normal toothing

K6 - reduced rake angle 6°

No.	Width x Thickness		Tooth pitch in tpi									
	mm	inches	7200	1600	5200	2300	3400	3406	4500	4600	4606	5600
729			0,75/1,25	1,1/1,6	1,5/2	2/3	3/4	3/4	4/5	4/6	4/6	5/6
020090	20 x 0,9	3/4 x .035								K		
027090	27 x 0,9	1 1/16 x .035				K	K	K6	K	K	K6	K
034110	34 x 1,1	1 3/8 x .042			K	K	K	K6	K	K	K6	K
041130	41 x 1,3	1 5/8 x .050			K	K	K		K	K		
054130	54 x 1,3	2 1/8 x .050			K	K	K		K	K		
054160	54 x 1,6	2 1/8 x .063	K	K	K	K	K		K	K		K
067160	67 x 1,6	2 5/8 x .063	K	K	K	K	K					
080160	80 x 1,6	3 1/8 x .063	K	K	K	K						
Contact length (mm)			550 – 1200	300 – 600	200 – 450	130 – 350	80 – 180	80 – 180	40 – 180	50 – 120	50 – 120	25 – 90

No.	Width x Thickness		Tooth pitch in tpi				
	mm	inches	2500	0200	0300	0400	0600
721			1,25	2	3	4	6
006060	06 x 0,6	1/4 x .025					K
006090	06 x 0,9	1/4 x .035					K
010060	10 x 0,6	3/8 x .025					K
010090	10 x 0,9	3/8 x .035				K	K
013060	13 x 0,6	1/2 x .025					K
013090	13 x 0,9	1/2 x .035			K	K	K
020090	20 x 0,9	3/4 x .035			K	K	K
027090	27 x 0,9	1 1/16 x .035		K	K	K	K
034110	34 x 1,1	1 3/8 x .042	K	K	K	K	K
041130	41 x 1,3	1 5/8 x .050	K	K	K	K	
054130	54 x 1,3	2 1/8 x .050	K				
054160	54 x 1,6	2 1/8 x .063	K	K			
067160	67 x 1,6	2 5/8 x .063	K				
Contact length (mm)			> 600	200 – 400	120 – 200	80 – 120	50 – 80



Spectra M42



The universal tool for all materials of strength up to 1400 N/mm²

Our solution for:

- Single, layer and bundle cuts
- S-tooth: Sawing of profiles, cast iron and plastics
- Especially for interrupted cutting channels and smaller solid materials

Advantages

- Robust bandsaw blade with long service life
- Optimal for standard to high-alloyed materials
- Low noise level due to reduced vibrations

Features

- S-tooth: Rake angle: 0°
- Available in Vario and normal tothing

No.	Width x Thickness		Tooth pitch in tpi						
			0300	0400	0600	0800	1000	1400	1800
720	mm	inches	3	4	6	8	10	14	18
006060	06 x 0,6	1/4 x .025							
006090	06 x 0,9	1/4 x .035					S	S	
010060	10 x 0,6	3/8 x .025				S			
010090	10 x 0,9	3/8 x .035				S	S	S	
013060	13 x 0,6	1/2 x .025					S	S	S
013090	13 x 0,9	1/2 x .035				S	S	S	
016060	16 x 0,6	5/8 x .025						S	
020090	20 x 0,9	3/4 x .035						S	S
027090	27 x 0,9	1 1/16 x .035	S	S	S	S	S	S	
034110	34 x 1,1	1 3/8 x .042	S	S	S	S	S		
Contact length (mm)			120 – 200	80 – 120	50 – 80	30 – 50	10 – 30	10 – 25	<10

No.	Width x Thickness		Tooth pitch in tpi						
			3400	4600	5800	6100	8200	1100	
728	mm	inches	3/4	4/6	5/8	6/10	8/12	10/14	
006060	06 x 0,6	1/4 x .025							S
006090	06 x 0,9	1/4 x .035							S
010060	10 x 0,6	3/8 x .025							S
010090	10 x 0,9	3/8 x .035							S
013060	13 x 0,6	1/2 x .025				S		S	S
013090	13 x 0,9	1/2 x .035				S			S
016060	16 x 0,6	5/8 x .025							S
020090	20 x 0,9	3/4 x .035			S	S		S	S
027090	27 x 0,9	1 1/16 x .035	S	S	S	S	S	S	S
034110	34 x 1,1	1 3/8 x .042	S	S	S	S		S	
041130	41 x 1,3	1 5/8 x .050	S	S	S	S			
Contact length (mm)			80 – 180	50 – 120	35 – 70	25 – 50	15 – 40	< 25	

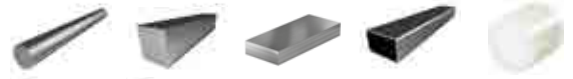


Spectra M42

No:
Sample:

7280270903400
Spectra 27x0,9 3/4 ZpZ

• Quality • Width x Thickness • Tooth pitch



The special tool for materials with residual stress

- Our solution for**
- Cutting beams under tension
 - Materials with tensile strength up to 1400 N/mm²
 - Plastics

- Advantages**
- Prevents the bandsaw blade from binding in the material

- Features**
- Wider tooth set for wider cutting channel
 - Available only with Vario toothing

No.	Width x Thickness		Tooth pitch in tpi		
			2300	3400	4600
	mm	inches	2/3	3/4	4/6
027090	27 x 0,9	1 1/16 x .035		K	K
034110	34 x 1,1	1 3/8 x .042	K	K	K
041130	41 x 1,3	1 5/8 x .050	K	K	K
054130	54 x 1,3	2 1/8 x .050		K	
054160	54 x 1,6	2 1/8 x .063	K	K	K
067160	67 x 1,6	2 5/8 x .063	K	K	
Contact length (mm)			130 – 350	80 – 180	50 – 120



Spectra EHS M42

Honsberg Spectra Black



The universal tool for all materials of strength up to 1500 N/mm²

- Our solution for**
- Single, layer and bundle cuts
 - K-tooth: Sawing solid material

- Advantages**
- Robust bandsaw blade with long service life
 - Perfect for standard to ultra-high alloyed materials
 - Low noise level due to reduced vibrations
 - Coating provides higher performance and longer service life

- Features**
- K-tooth: positive rake angle of 10°
 - Available only with Vario tothing
 - Coating

No.	Width x Thickness		Tooth pitch in tpi				
	mm	inches	7200	1600	5200	2300	3400
726			0,75 / 1,25	1,1 / 1,6	1,5 / 2	2 / 3	3 / 4
034110	34 x 1,1	1 3/8 x .042				K	K
041130	41 x 1,3	1 5/8 x .050				K	K
054130	54 x 1,3	2 1/8 x .050					K
054160	54 x 1,6	2 1/8 x .063			K	K	K
067160	67 x 1,6	2 5/8 x .063	K	K		K	
080160	80 x 1,6	3 1/8 x .063	K	K			
Contact length (mm)			550 – 1200	300 – 600	200 – 450	130 – 350	80 – 180



Spectra Black M42



The optimal tool for profile beams with residual stress

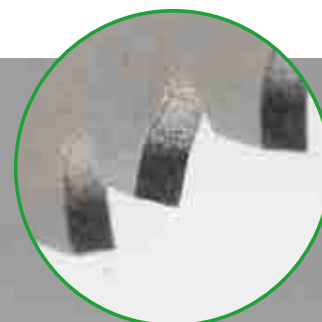
- Our solution for**
- Profiles and beams
 - Single, layer and bundle cuts for pipes and beams in general steel construction and manufacturing industry

- Advantages**
- No binding in the cutting channel
 - Minimal tooth chipping, extremely long service life
 - Vibration resistance
 - Optimal surface quality

- Features**
- Reinforced tooth back, extended HSS welding zone
 - Stepped tooth setting

No.	Width x Thickness		Tooth pitch in tpi					
	mm	inches	3400	4600	5700	7900	8100	2600
761			3/4	4/6	5/7	7/9	8/11	12/16
013060	13 x 0,6	1/2 x .025					P	
020090	20 x 0,9	3/4 x .035					P	P
027090	27 x 0,9	1 1/16 x .035	P	P	P	P	P	P
034110	34 x 1,1	1 3/8 x .042	P	P	P		P	
041130	41 x 1,3	1 5/8 x .050	P	P	P			
054130	54 x 1,3	2 1/8 x .050	P					
054160	54 x 1,6	2 1/8 x .063	P	P				
067160	67 x 1,6	2 5/8 x .063	P					
Contact length (mm)			80 – 200	50 – 120	40 – 90	25 – 65	10 – 60	< 20

No.	Width x Thickness		Tooth pitch in tpi		
	mm	inches	2300	3400	4600
763			2/3	3/4	4/6
034110	34 x 1,1	1 3/8 x .042	P / EHS	P / EHS	
041130	41 x 1,3	1 5/8 x .050	P / EHS	P / EHS	
054130	54 x 1,3	2 1/8 x .050	P / EHS	P / EHS	
054160	54 x 1,6	2 1/8 x .063	P / EHS	P / EHS	
067160	67 x 1,6	2 5/8 x .063	P / EHS	P / EHS	P / EHS
Contact length (mm)			> 200	80 – 200	50 – 120



Secura / Secura EHS

NEW

Honsberg Secura BLACK



The special tool for beams with residual stress

Our solution for

- Profiles and beams
- Single, layer and bundle cuts for pipes and beams in general steel construction and industry

Advantages

- No binding in the cutting channel
- Minimal tooth chipping, extremely long service life
- Vibration resistance
- Optimal surface quality
- Coating provides higher performance and longer service life

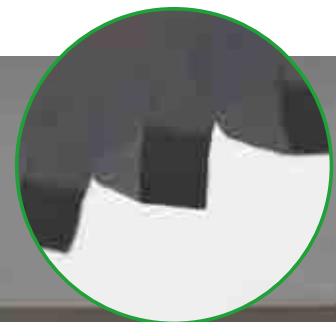
Features

- Reinforced tooth back, extended HSS welding zone
- Stepped tooth set
- Coating

No.	Width x Thickness		Tooth pitch in tpi		
	mm	inches	3 / 4	4 / 6	5 / 7
765			3400	4600	5700
034110	34 x 1,1	1 3/8 x .042	P	P	P
041130	41 x 1,3	1 5/8 x .050	P	P	
054160	54 x 1,6	2 1/8 x .063	P	P	
Contact length (mm)			80 – 200	50 – 120	40 – 90



Secura Black



Honsberg Secura PIPE



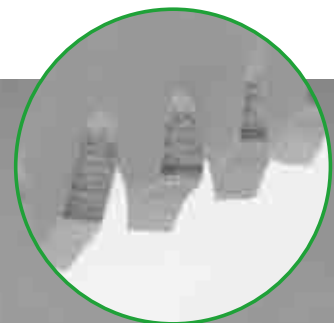
The special tool for large thick-walled pipes

Our solution for • Thick-walled high-alloyed and ultra-high-alloyed round pipes

Advantages • High feed rate
• Long service life

Features • Special geometry with chip breaker

No.	Width x Thickness		Tooth pitch in tpi	
	mm	inches		
762			2300	3400
			2/3	3/4
027090	27 x 0,9	1 1/16 x .035		PP
034110	34 x 1,1	1 3/8 x .042		PP
041130	41 x 1,3	1 5/8 x .050		PP
054130	54 x 1,3	2 1/8 x .050	PP	
054160	54 x 1,6	2 1/8 x .063	PP	PP
Contact length (mm)			> 200	80 – 200



Secura PIPE



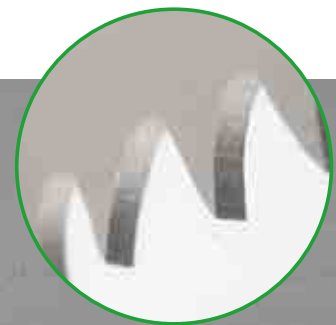
The special tool for aluminium / non-ferrous metals

- Our solution for**
- Non-ferrous metals
 - Materials with tensile strength up to 1400 N/mm²
 - Manual sawing of sprues and risers

- Advantages**
- Prevents the bandsaw blade from binding in the material
 - Low energy consumption
 - Long service life, excellent chip formation

- Features**
- Wider tooth set for wider cutting channel
 - Available in normal tothing only

No.	Width x Thickness		Tooth pitch in tpi			
			2500	0200	0300	0400
770			1,25	2	3	4
	mm	inches				
013090	13 x 0,9	1/2 x .035			K	K
020090	20 x 0,9	3/4 x .035			K	
027090	27 x 0,9	1 1/16 x .035		K	K	
027110	27 x 1,1	1 1/16 x .042		K		K
034110	34 x 1,1	1 3/8 x .042	K	K	K	
041130	41 x 1,3	1 5/8 x .050			K	
Contact length (mm)			> 600	200 – 400	120 – 200	80 – 120



Secura Foundry



The tool for large, tough workpieces

- Our solution for**
- High and ultra-high alloy materials (e.g., nickel-based alloys)
 - Rustproof and acid-resistant materials (austenitic)
 - Especially suited for materials with residual stresses

- Advantages**
- Very good chip removal and chip flow
 - Very smooth sawing behaviour for optimal surfaces
 - Longer service life

- Features**
- Stepped tooth set to prevent the band from binding in the cutting channel
 - Very high positive rake angle: 16°

No.	Width x Thickness		Tooth pitch in tpi				
	mm	inches	7200	1600	5200	2300	3400
730			0,75/1,25	1,1/1,6	1,5/2	2/3	3/4
027090	27 x 0,9	1 1/16 x .035					D
034110	34 x 1,1	1 3/8 x .042				D	D
041130	41 x 1,3	1 5/8 x .050			D	D	D
054130	54 x 1,3	2 1/8 x .050			D	D	
054160	54 x 1,6	2 1/8 x .063		D	D	D	D
067160	67 x 1,6	2 5/8 x .063		D	D	D	
080160	80 x 1,6	3 1/8 x .063	D	D			
Contact length (mm)			> 600	300 – 600	200 – 450	130 – 350	80 – 180



Delta



The special tool for high-alloyed and ultra-high-alloyed materials

- Our solution for**
- Solid material
 - Heat-resistant alloys
 - Stainless steels, nickel-based alloys and titanium

- Advantages**
- Higher cutting capacity
 - Cost reduction per cut
 - Optimal guidance in the cutting channel
 - Even load on the teeth thanks to special tooth geometry

- Features**
- Master tooth
 - Chamfered pre-cutter
 - Single tooth set
 - Tooth height differences

No.	Width x Thickness		Tooth pitch in tpi		
	mm	inches	5205	2305	3405
740			1,5/2	2/3	3/4
027090	27 x 0,9	1 1/16 x .035			M
034110	34 x 1,1	1 3/8 x .042		M	M
041130	41 x 1,3	1 5/8 x .050	M	M	M
Contact length (mm)			200 – 450	130 – 350	80 – 180





Master

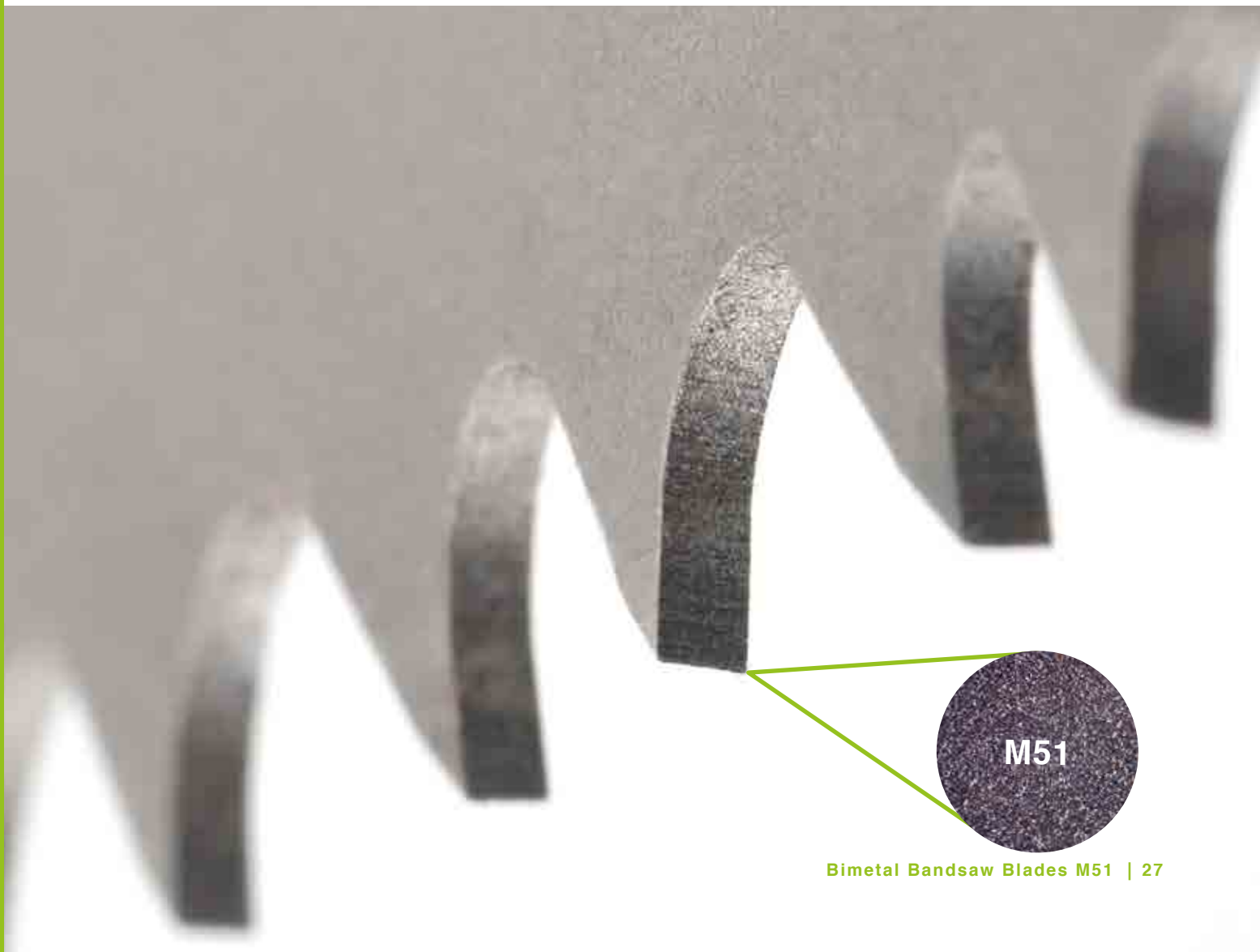


Bimetal Bandsaw Blades

Quality M51

- The right cutting edge for all special applications
- Tooth tips made of high-alloyed M51 cutting edge
- M51 powder metallurgical cutting material
- Highly wear-resistant for a longer service life
- Universal band designed for machining large cross-sections of low-alloy steels, as well as high-alloyed and ultra-high-alloyed steels

Packaging units	Rolls from 50m to approx. 100 m, depending on the band endless-welded bands
Band widths	27 to 100 mm
Tooth shapes	K, M, R → 
Tooth pitches	Vario Normal
Quality	M51 69 HRc
Special designs	Master / Impact Plus → 





The high-performance tool for exclusive materials

- Our solution for**
- Forging blocks with scale skin
 - Materials with tensile strength over 1400 N/mm²
 - Austenitic, ultra-high alloy special materials

- Advantages**
- Extended service life
 - Lower cutting costs
 - Heat resistance and wear resistance

- Features**
- Extremely resistant, stable, tough cutting edge
 - Innovative, state-of-the-art cutting material: M51

No.	Width x Thickness		Tooth pitch in tpi									
			6700	7200	9100	1600	5200	2300	3400	4500	4600	
700	mm	inches	0,6/0,7	0,75/1,25	0,9/1,1	1,1/1,6	1,5/2	2/3	3/4	4/5	4/6	
027090	27 x 0,9	1 1/16 x .035							K	K	K	K
034110	34 x 1,1	1 3/8 x .042							K	K		K
041130	41 x 1,3	1 5/8 x .050						K	K	K		K
054130	54 x 1,3	2 1/8 x .050						K	K			
054160	54 x 1,6	2 1/8 x .063				K	K	K	K	K		
067160	67 x 1,6	2 5/8 x .063		K		K	K	K	K			
080160	80 x 1,6	3 1/8 x .063		K		K						
100160	100 x 1,6	4 x .063	K		K							
Contact length (mm)			> 1000	> 600	500 – 800	300 – 600	200 – 450	130 – 350	80 – 180	40 – 180	50 – 120	



Duratec

NEW

Honsberg Duratec Master



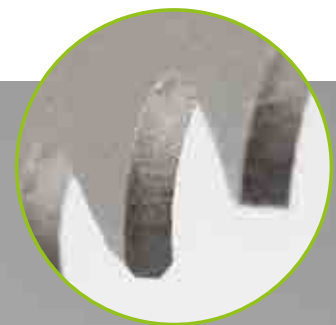
The high-performance tool for very clean cutting surfaces

- Our solution for**
- Medium-size to large workpieces
 - Thick-walled pipes
 - Materials with tensile strength over 1400 N/mm²
 - For materials WITHOUT residual stress

- Advantages**
- Extended service life
 - Lower cutting costs
 - Heat resistance and wear resistance
 - Fine to very fine cutting surface
 - Reduced cutting channel compared to Aurum

- Features**
- Extremely resistant, stable, tough cutting edge
 - Innovative, state-of-the-art cutting material: M51
 - Particularly smooth running thanks to Master tooth

No.	Width x Thickness		Tooth pitch in tpi				
	mm	inches	7200	1600	5200	2300	3400
702			0,75/1,25	1,1/1,6	1,5/2	2/3	3/4
034110	34 x 1,1	1 3/8 x .042				M	M
041130	41 x 1,3	1 5/8 x .050			M	M	
054160	54 x 1,6	2 1/8 x .063		M	M	M	
067160	67 x 1,6	2 5/8 x .063	M	M	M		
080160	80 x 1,6	3 1/8 x .063	M	M			
Contact length (mm)			> 600	300 – 600	200 – 450	130 – 350	80 – 180



Duratec Master

No: **7020411305200** • Quality • Width x Thickness • Tooth pitch
 Sample: Duratec 41x1,3 1,5/2 ZpZ
 Master



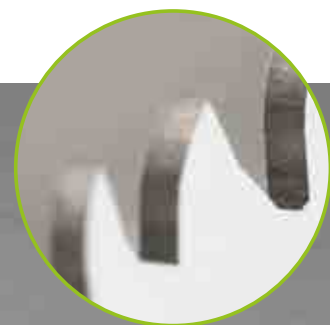
The bimetal premium tool for extreme requirements

- Our solution for**
- Medium-size to large workpieces
 - High and ultra-high alloy workpieces
 - Materials WITH residual stress, e.g. duplex

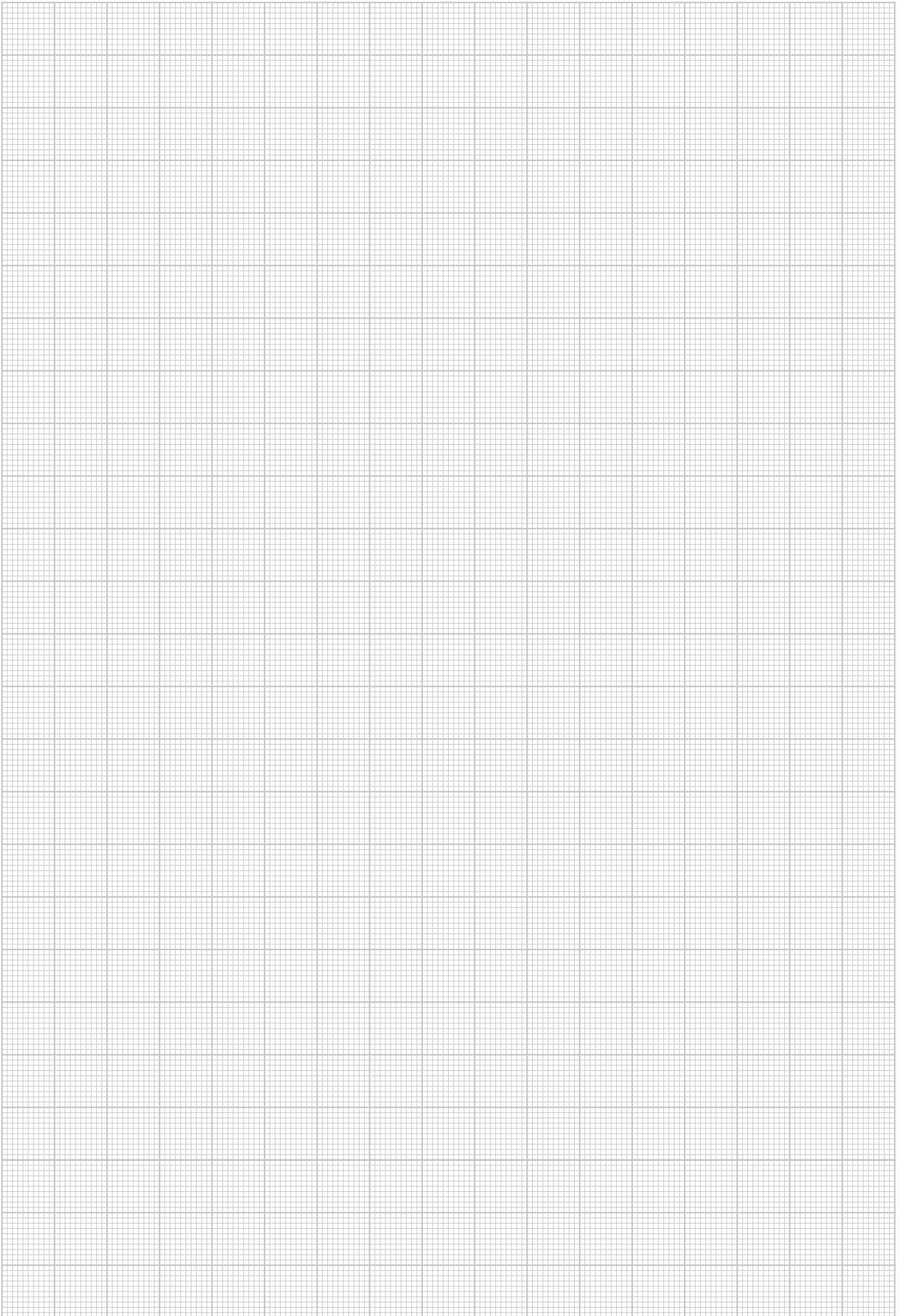
- Advantages**
- Higher performance
 - Long service life
 - Low-vibration cutting
 - Heat resistance and wear resistance

- Features**
- Chamfered pre-cutter and multispan geometry
 - Stepped tooth set
 - Extremely resistant, stable, tough cutting edge
 - Innovative, state-of-the-art cutting material: M51

No.	Width x Thickness		Tooth pitch in tpi				
			7205	1605	5205	2305	3405
708			0,75/1,25	1,1/1,6	1,5/2	2/3	3/4
	mm	inches					
034110	34 x 1,1	1 3/8 x .042				R	R
041130	41 x 1,3	1 5/8 x .050			R	R	
054130	54 x 1,3	2 1/8 x .050			R	R	
054160	54 x 1,6	2 1/8 x .063		R	R	R	
067160	67 x 1,6	2 5/8 x .063	R	R	R		
080160	80 x 1,6	3 1/8 x .063	R	R			
Contact length (mm)			> 600	300 – 600	200 – 450	130 – 350	80 – 180



Aurum





110040785



Made in Germany

HONSBERG Sinus TSN



6830 mm 54x1.30 mm 2/3 tpi



Carbide Bandsaw Blades

Quality Carbide

- The special tool for universal cutting of tool steels, stainless steels, high-speed steels and non-ferrous metals
- Tooth tips made of tungsten carbide bodies
- Maximum cutting capacity allows longer service life
- Universal band designed for cutting large cross-sections of low-alloy, high-alloyed and ultra-high-alloyed materials
- Version without tooth set:
An excess overhang of the carbide insert on both sides allows the band to cut without binding.
- Version with tooth set:
The set of the teeth to the right and left allows the band to cut without binding.

Packaging units	Rolls from 50m to approx. 75m, depending on the band endless-welded bands
Band widths	13 to 100 mm
Tooth shapes	TSS, TXS, TPB, TAP, TNF-S, TNF-2, TNF-3, TNF-4, TSN, TQM, TCO, TW →  67
Tooth pitches	Vario / Normal
Quality	Carbide-tipped tooth tips HV 1600 multilayer PVD coated version HV 3800
Special designs	Black, Impact Plus →  68 69



NEW

Honsberg Sinus nSET



The universal, durable tool for all materials

- Our solution for**
- All materials up to 50 HRc, forged and abrasive materials
 - Solid material and thick-walled pipes
 - Ni, Co or Cr-based material and titanium alloys

- Advantages**
- Long cutting channels
 - Extended service life
 - Increased manufacturing productivity

- Features**
- Tooth geometry with set but WITHOUT stepped tooth set
 - Uniform cutting surfaces

No.	Width x Thickness		Tooth pitch in tpi				
	mm	inches	8500	1600	5200	2300	3400
851			0,85/1,15	1,1/1,6	1,5/2	2/3	3/4
027090	27 x 0,9	1 1/16 x .035				TSS	TSS
034110	34 x 1,1	1 3/8 x .042				TSS	TSS
041130	41 x 1,3	1 5/8 x .050			TSS	TSS	TSS
054130	54 x 1,3	2 1/8 x .050			TSS	TSS	TSS
054160	54 x 1,6	2 1/8 x .063			TSS	TSS	TSS
067160	67 x 1,6	2 5/8 x .063	TSS	TSS	TSS	TSS	TSS
Contact length (mm)			>600	350 – 650	200 – 400	100 – 250	< 120



Sinus nSET

No: **8510270903400** • Quality • Width x Thickness • Tooth pitch
 Sample: Sinus nSET 27x0,9 3/4 ZpZ

NEW

Honsberg Sinus SET Xtreme



The universal, durable tool for all materials

Our solution for

- Materials with residual stresses
- All materials up to 50 HRc, forged and abrasive materials
- Solid material and thick-walled pipes
- Ni, Co or Cr-based material and titanium alloys

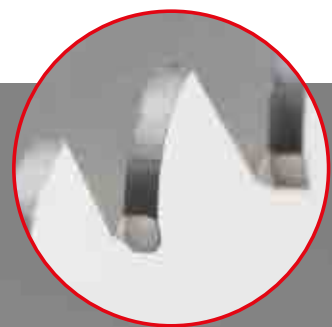
Advantages

- Long cutting channels
- Extended service life
- Increased manufacturing productivity

Features

- Tooth geometry WITH stepped set, prevents band from binding
- Uniform cutting surfaces

No.	Width x Thickness		Tooth pitch in tpi				
	mm	inches	7100	8500	1600	5200	2300
850			0,7 / 1,0	0,85 / 1,15	1,1 / 1,6	1,5 / 2	2 / 3
034110	34 x 1,1	1 3/8 x .042					TXS
041130	41 x 1,3	1 5/8 x .050				TXS	TXS
054130	54 x 1,3	2 1/8 x .050				TXS	TXS
054160	54 x 1,6	2 1/8 x .063				TXS	TXS
067160	67 x 1,6	2 5/8 x .063		TXS	TXS	TXS	
080160	80 x 1,6	3 1/8 x .063	TXS	TXS	TXS		
100160	100 x 1,6	4 x .063	TXS				
Contact length (mm)			> 800	600 – 1200	350 – 650	200 – 400	< 250



Sinus SET Xtreme

No: **8500341102300** • Quality • Width x Thickness • Tooth pitch
 Sample: Sinus SET XTREME 34x1,1 2/3 ZpZ

NEW

Honsberg Sinus ProBalance



The precise high-tech tool for universal workpieces

- Our solution for**
- Tool steels, stainless steels, HSS
 - Ni, Co or Cr-based material and titanium alloys
 - Non-ferrous metals
 - Pipes, square pipe and sectional steel

- Advantages**
- Extremely fine surface
 - Maximum cutting accuracy
 - Unique smooth running

- Features**
- Vario tothing
 - Backing made of high-alloyed spring steel
 - Carbide trapezoidal tooth
 - 1600 HV

No.	Width x Thickness		Tooth pitch in tpi			
	mm	inches	5200	8200	2300	3400
860			1,5/2	1,8/2,2	2/3	3/4
034110	34 x 1,1	1 3/8 x .042			TPB	TPB
041130	41 x 1,3	1 5/8 x .050				TPB
054130	54 x 1,3	2 1/8 x .050				TPB
054160	54 x 1,6	2 1/8 x .063	TPB		TPB	TPB
067160	67 x 1,6	2 5/8 x .063	TPB	TPB		
Contact length (mm)			200 – 400	100 – 320	80 – 250	< 120



Probalance

No: **8600341103400** • Quality • Width x Thickness • Tooth pitch
 Sample: Sinus 34x1,1 3/4ZpZ
 ProBalance

NEW

Honsberg Sinus ProBalance Black



The precise high-end tool for universal workpieces

- Our solution for**
- Tool steels, stainless steels, HSS
 - Ni, Co or Cr-based material and titanium alloys
 - Non-ferrous metals
 - Pipes, square pipe and sectional steel

- Advantages**
- Extremely fine surface
 - Maximum cutting accuracy
 - Unique smooth running
 - Higher cutting capacity

- Features**
- Vario toothing
 - Backing made of high-alloyed spring steel
 - Carbide trapezoidal tooth
 - Coating
 - 3800 HV

No.	Width x Thickness		Tooth pitch in tpi			
	mm	inches	1600	5200	2300	3400
865			1,1/1,6	1,5/2	2/3	3/4
041130	41 x 1,3	1 5/8 x .050		TPB	TPB	TPB
054160	54 x 1,6	2 1/8 x .063	TPB	TPB	TPB	TPB
067160	67 x 1,6	2 5/8 x .063		TPB		
Contact length (mm)			300 – 600	200 – 400	80 – 250	< 120



Probalance Black

No: **8650411302300** • Quality • Width x Thickness • Tooth pitch
 Sample: Sinus 41x1,3 2/3 ZpZ
 ProBalance Black

Honsberg Sinus TAP



The time-tested high-tech tool for many different materials

- Our solution for**
- Tool steels, stainless steels, HSS
 - Ni, Co or Cr-based material and titanium alloys
 - Non-ferrous metals

- Advantages**
- Extremely fine surface
 - Maximum cutting accuracy
 - Particularly smooth running

- Features**
- Vario tothing
 - Backing made of high-alloyed spring steel
 - Carbide trapezoidal tooth
 - 1600 HV

No.	Width x Thickness		Tooth pitch in tpi					
	mm	inches	8500	1600	5200	8200	2300	3400
810			0,85 / 1,15	1,1 / 1,6	1,5 / 2	1,8 / 2,2	2 / 3	3 / 4
027090	27 x 0,9	1 1/16 x .035						TAP
034110	34 x 1,1	1 3/8 x .042					TAP	TAP
041130	41 x 1,3	1 5/8 x .050			TAP		TAP	TAP
054130	54 x 1,3	2 1/8 x .050			TAP		TAP	TAP
054160	54 x 1,6	2 1/8 x .063	TAP	TAP	TAP	TAP	TAP	TAP
067160	67 x 1,6	2 5/8 x .063	TAP	TAP	TAP	TAP		
080160	80 x 1,6	3 1/8 x .063		TAP				
Contact length (mm)			> 600	300 – 600	200 – 400	100 – 320	80 – 250	< 120



Sinus TAP

Honsberg Sinus Black TAP



The time-tested high-end tool for many different materials

- Our solution for**
- Tool steels, stainless steels, HSS
 - Ni, Co or Cr-based material and titanium alloys
 - Non-ferrous metals
 - Pipes, square pipe and sectional steel

- Advantages**
- Extremely fine surface
 - Maximum cutting accuracy
 - Particularly smooth running
 - Higher cutting capacity

- Features**
- Vario toothing
 - Backing made of high-alloyed spring steel
 - Carbide trapezoidal tooth
 - Coating
 - 3800 HV

No.	Width x Thickness		Tooth pitch in tpi					
	mm	inches	8500	1600	5200	8200	2300	3400
815			0,85/1,15	1,1/1,6	1,5/2	1,8/2,2	2/3	3/4
034110	34 x 1,1	1 3/8 x .042					TAP	TAP
041130	41 x 1,3	1 5/8 x .050			TAP		TAP	TAP
054130	54 x 1,3	2 1/8 x .050			TAP		TAP	
054160	54 x 1,6	2 1/8 x .063		TAP	TAP		TAP	
067160	67 x 1,6	2 5/8 x .063	TAP	TAP	TAP		TAP	
080160	80 x 1,6	3 1/8 x .063	TAP	TAP				
Contact length (mm)			> 600	300 – 600	200 – 400	100 – 320	80 – 250	< 120

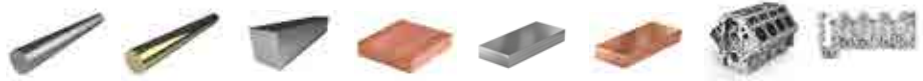


Sinus Black TAP

No: **8150411303400** • Quality • Width x Thickness • Tooth pitch
 Sample: Sinus 41x1,30 3/4 ZpZ
 BLACK TAP

NEW

Honsberg Sinus TNF SET



The high-tech special tool for non-ferrous metals

- Our solution for**
- Aluminium and non-ferrous metals, e.g. foundries
 - Manual, controlled sawing of sprues and risers

- Advantages**
- Higher cutting capacity
 - Extended service life even under unstable conditions
 - Increased manufacturing productivity

- Features**
- Machine-independent use
 - Excellent non-binding cutting behaviour thanks to special tooth set
 - Tooth tips made of special carbide to resist abrasive wear

No.	Width x Thickness		Tooth pitch in tpi	
	mm	inches		
824			0200	0300
			2	3
020090	20 x 0,9	3/4 x .035		TNF-S
027090	27 x 0,9	1 1/16 x .035		TNF-S
034110	34 x 1,1	1 3/8 x .042	TNF-S	TNF-S
Contact length (mm)			200 – 400	120 – 200



Sinus TNF SET

No: **8240200900300** • Quality • Width x Thickness • Tooth pitch
 Sample: Sinus 20x0,90 3 ZpZ
 TNF SET

Honsberg Sinus TNF 2



The high-tech special tool for non-ferrous metals

Our solution for

- Aluminium and non-ferrous metals, e.g. foundries
- Manual or automated sawing of sprues, risers, ingots and plates

Advantages

- Very high cutting capacity due to extremely high band speed and feed rate
- Extended service life even under unstable conditions
- Improved productivity and longer service life

Features

- Tooth tips made of special carbide to resist abrasive wear
- Very good chip formation for the best cutting surfaces

No.	Width x Thickness		Tooth pitch in tpi					
	mm	inches	0200	0300	8500	1600	5200	2300
822			2	3	0,85/1,15	1,1/1,6	1,5/2	2/3
020090	20 x 0,9	3/4 x .035		TNF-2				
027090	27 x 0,9	1 1/16 x .035		TNF-2			TNF-2	
034110	34 x 1,1	1 3/8 x .042	TNF-2	TNF-2			TNF-2	TNF-2
041130	41 x 1,3	1 5/8 x .050				TNF-2	TNF-2	TNF-2
054130	54 x 1,3	2 1/8 x .050					TNF-2	TNF-2
054160	54 x 1,6	2 1/8 x .063			TNF-2	TNF-2	TNF-2	
080160	80 x 1,6	3 1/8 x .063			TNF-2			
Contact length (mm)			< 280	< 220	600 – 1200	350 – 650	200 – 400	< 250



Sinus TNF 2



NEW

Honsberg Sinus TNF 3



The high-tech special tool for non-ferrous metals, especially aluminium alloys.

- Our solution for**
- Aluminium and non-ferrous metals, e.g. foundries
 - Manual, controlled sawing of sprues, risers, ingots and plates

- Advantages**
- Very high cutting capacity due to extremely high band speed and feed rate
 - Extended service life even under unstable conditions
 - Improved productivity and longer service life

- Features**
- Suitable for all sawing machines
 - Tooth tips made of special carbide to resist abrasive wear
 - Very good chip formation for the best cutting surfaces

No.	Width x Thickness		Tooth pitch in tpi					
	mm	inches	0200	0300	8500	1600	5200	2300
823			2	3	0,85/1,15	1,1/1,6	1,5/2	2/3
027090	27 x 0,9	1 1/16 x .035	TNF-3					TNF-3
034110	34 x 1,1	1 3/8 x .042	TNF-3	TNF-3			TNF-3	TNF-3
041130	41 x 1,3	1 5/8 x .050				TNF-3	TNF-3	
054130	54 x 1,3	2 1/8 x .050			TNF-3		TNF-3	
054160	54 x 1,6	2 1/8 x .063			TNF-3	TNF-3	TNF-3	
067160	67 x 1,6	2 5/8 x .063				TNF-3		
080160	80 x 1,6	3 1/8 x .063						
Contact length (mm)			< 280	< 220	600 – 1200	350 – 650	200 – 400	< 250



Sinus TNF 3



NEW

Honsberg Sinus TNF 4



The high-tech special tool for aluminium alloys with large dimensions

Our solution for

- Large ingots and plates

Advantages

- Very high cutting capacity due to extremely high band speed and feed rate
- Extended service life even under unstable conditions
- Improved productivity and longer service life

Features

- Designed for heavy-duty high-performance sawing machines
- Tooth tips made of special carbide to resist abrasive wear
- Very good chip formation for the best cutting surfaces

No.	Width x Thickness		Tooth pitch in tpi	
	mm	inches		
827			7100	9200
			0,7/1,0	0,9/1,2
054130	54 x 1,3	2 1/8 x .050		TNF-4
054160	54 x 1,6	2 1/8 x .063		TNF-4
080160	80 x 1,6	3 1/8 x .063	TNF-4	TNF-4
Contact length (mm)			700 – 1000	500 – 750



Sinus TNF 4

No: **8270801609200** • Quality • Width x Thickness • Tooth pitch
 Sample: Sinus 80x1,60 0,9/1,2 ZpZ TNF 4



The high-tech tool for material hardnesses over 50 HRc

- | | |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Our solution for | <ul style="list-style-type: none"> • Induction hardened / through-hardened materials |
| Advantages | <ul style="list-style-type: none"> • An especially fine surface • Maximum cutting accuracy • High wear resistance |
| Features | <ul style="list-style-type: none"> • Vario tothing • Modified rake angle for extreme material hardnesses |

No.	Width x Thickness		Tooth pitch in tpi	
	mm	inches	2300	3400
840			2300	3400
			2 / 3	3 / 4
027090	27 x 0,9	1 1/16 x .035		TSN
034110	34 x 1,1	1 3/8 x .042	TSN	TSN
041130	41 x 1,3	1 5/8 x .050	TSN	TSN
054130	54 x 1,3	2 1/8 x .050	TSN	TSN
054160	54 x 1,6	2 1/8 x .063	TSN	TSN
Contact length (mm)			< 250	< 120



Sinus TSN

Honsberg Sinus Black TSN



The high-end tool for material hardnesses above 50 HRc

- | | |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Our solution for | <ul style="list-style-type: none"> • Induction hardened / through-hardened materials |
| Advantages | <ul style="list-style-type: none"> • An especially fine surface • Maximum cutting accuracy • High wear resistance |
| Features | <ul style="list-style-type: none"> • Vario toothing • Modified rake angle for extreme material hardnesses • Coating |

No.	Width x Thickness		Tooth pitch in tpi	
	mm	inches		
845			2300	3400
			2 / 3	3 / 4
027090	27 x 0,9	1 1/16 x .035		TSN
034110	34 x 1,1	1 3/8 x .042		TSN
041130	41 x 1,3	1 5/8 x .050		TSN
054160	54 x 1,6	2 1/8 x .063	TSN	
Contact length (mm)			< 250	< 120



Sinus Black TSN

No: **8450341103400** • Quality • Width x Thickness • Tooth pitch
 Sample: Sinus 34x1,1 3/4 ZpZ
 TSN Black

NEW

Honsberg Quantum



The high-performance tool for special materials

- Our solution for**
- Exotic, difficult to machine alloys
 - Nickel-based alloys: Inconel, Rene, Wastelloy, Hastelloy, etc.

- Advantages**
- Extremely fine surface
 - Maximum cutting accuracy
 - Particularly smooth running
 - Longer service life

- Features**
- Vario tothing
 - Backing made of high-alloyed spring steel
 - Optimized carbide trapezoidal tooth

No.	Width x Thickness		Tooth pitch in tpi				
	mm	inches	1600	5200	8200	2300	3400
830			1,1 / 1,6	1,5 / 2	1,8/2,2	2/3	3/4
034110	34 x 1,1	1 3/8 x .042				TQM	
041130	41 x 1,3	1 5/8 x .050		TQM		TQM	
054130	54 x 1,3	2 1/8 x .050		TQM	TQM	TQM	
054160	54 x 1,6	2 1/8 x .063		TQM	TQM	TQM	TQM
067160	67 x 1,6	2 5/8 x .063	TQM	TQM	TQM		
080160	80 x 1,6	3 1/8 x .063	TQM				
Contact length (mm)			300 – 600	200 – 400	100 – 320	< 250	< 120

* all items exclusively available in endless welded blades



Quantum

No: **8300541302300** • Quality • Width x Thickness • Tooth pitch
 Sample: Quantum 54x1,30 2/3 ZpZ

NEW

Honsberg Sinus TCO



The special tool for sawing mineral materials on any construction site

Our solution for • Aerated concrete (porous concrete), perforated bricks and insulating materials

Advantages • Can be used without cooling
• Tooth tips made of special carbide to resist abrasive wear

Features • Very high wear resistance
• Excellent non-binding cutting behaviour thanks to special tooth set

No.	Width x Thickness		Tooth pitch in tpi
	mm	inches	
886			0300
	mm	inches	3
027090	27 x 0,9	1 1/16 x .035	TCO



Sinus TCO



No: **8860270900300** • Quality • Width x Thickness • Tooth pitch
 Sample: Sinus 27x0,9 3 ZpZ
 TCO

NEW

Honsberg Sinus TW



The special tool for sawing various special materials

Our solution for • Plastics, non-ferrous metals, various types of hardwood

Advantages

- High cutting capacity
- Can be used without cooling
- Very long service life even under unstable conditions

Features

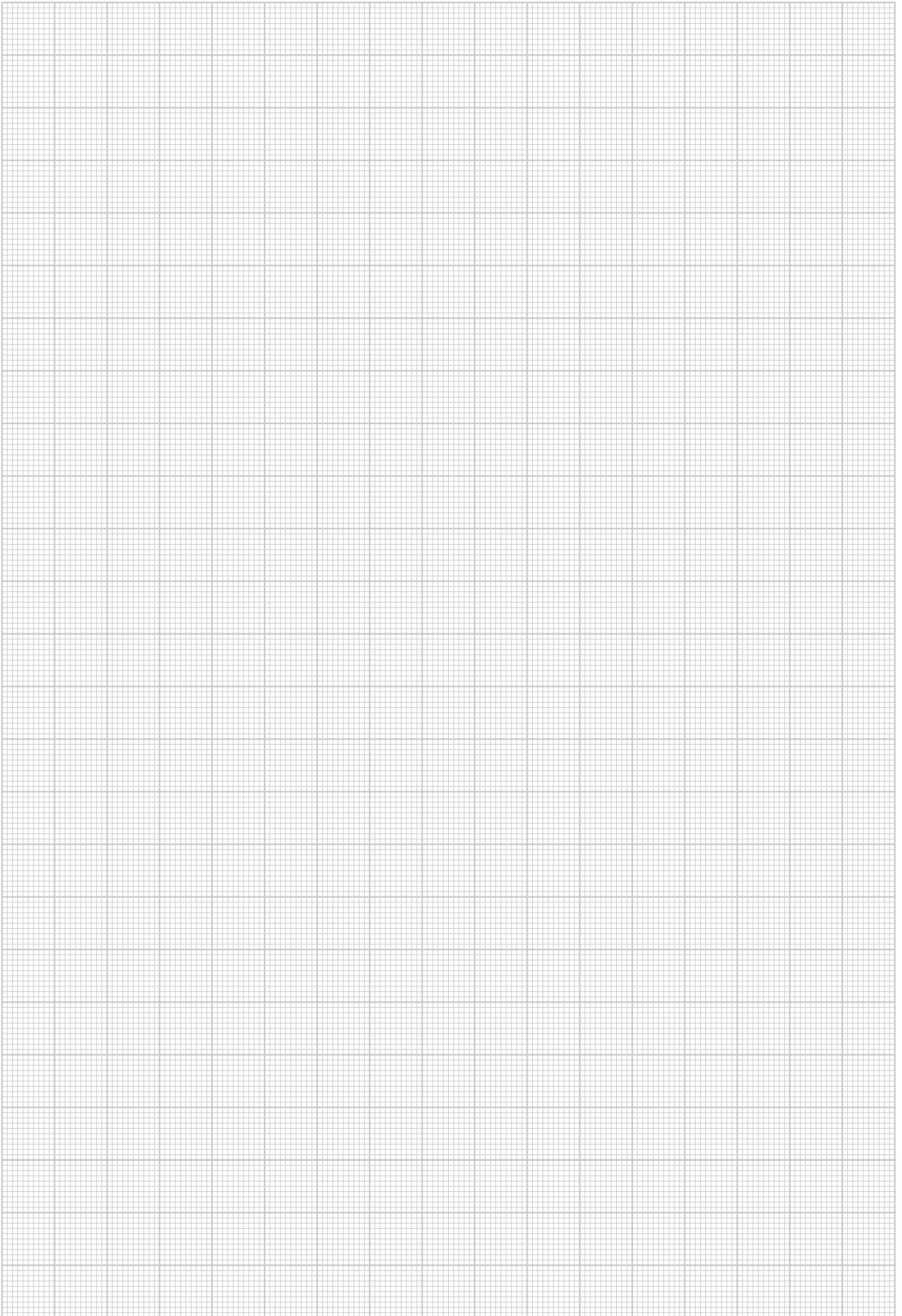
- Very high wear resistance
- Carbide bandsaw blade with narrow design

No.	Width x Thickness		Tooth pitch in tpi
	mm	inches	
880			3400
			3 / 4
013090	13 x 0,9	1/2 x .035	TW



Sinus TW

No: **8800130903400** • Quality • Width x Thickness • Tooth pitch
 Sample: Sinus TW 13x0,9 3/4 ZpZ





Honsberg®

Cerrus Bandsaw Blades

Quality Carbide Grit

- Continuous or segmented carbide-tipped
- Highly durable band edge for dry and wet cuts
- The high wear resistance of the carbide grit allows a long service life
- Ideal for cutting special materials, e.g. composites, cables, wires, tyres, abrasive construction materials, case-hardened steels and glass-fibre/carbon-fibre-reinforced plastics (GFRP/CFRP)
- Continuous – smaller workpiece dimensions
- Segmented – larger workpiece dimensions

Packaging units	Rolls up to 76 m endless-welded bands
Band widths	6 to 38 mm
Segment spacing	8, 12 and 14 mm
Segment distribution	continuous segmented
Quality	Carbide-tipped tooth cutting edge



Honsberg Cerrus Continuous



The continuous carbide-tipped special tool

- Our solution for**
- Car tyres, power cables
 - Stone, brick
 - Aerated concrete, graphite tiles

- Advantages**
- Easy handling
 - Very smooth surface

- Features**
- Continuously tipped cutting edge
 - High density of square carbide grains
 - Different grain sizes for a wide range of applications

No.	Width x Thickness		Grain size
	mm	inches	
370			
006050	6 x 0,50	1/4 x .020	medium coarse 1500
010065	10 x 0,65	3/8 x .025	medium 1000
013050	13 x 0,50	1/2 x .020	medium 1000
013065	13 x 0,65	1/2 x .025	fine / medium 0500 / 1000
020080	20 x 0,80	3/4 x .032	medium 1000
025090	25 x 0,90	1 x .035	medium / medium coarse / coarse 1000 / 1500 / 2000
032090	32 x 0,90	1 1/4 x .035	medium coarse / coarse 1500 / 2000
032110	32 x 1,10	1 1/4 x .042	coarse 2000



Cerrus Continuous



No:
Sample:

3700200801000
Cerrus 20x0,80 medium
continuous

• Quality • Width x Thickness • Tooth pitch

Honsberg Cerrus Gulleted



The segmented carbide-tipped special tool

- Our solution for**
- Car tyres
 - Aerated concrete, graphite tiles

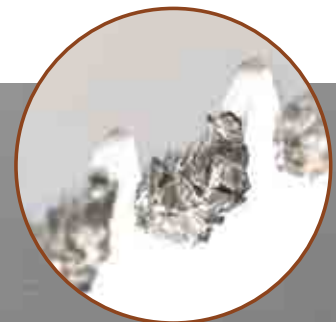
- Advantages**
- Easy handling
 - Very smooth surface

- Features**
- Segmented tipped cutting edge
 - High density of square carbide grains
 - Different grain sizes for a wide range of applications

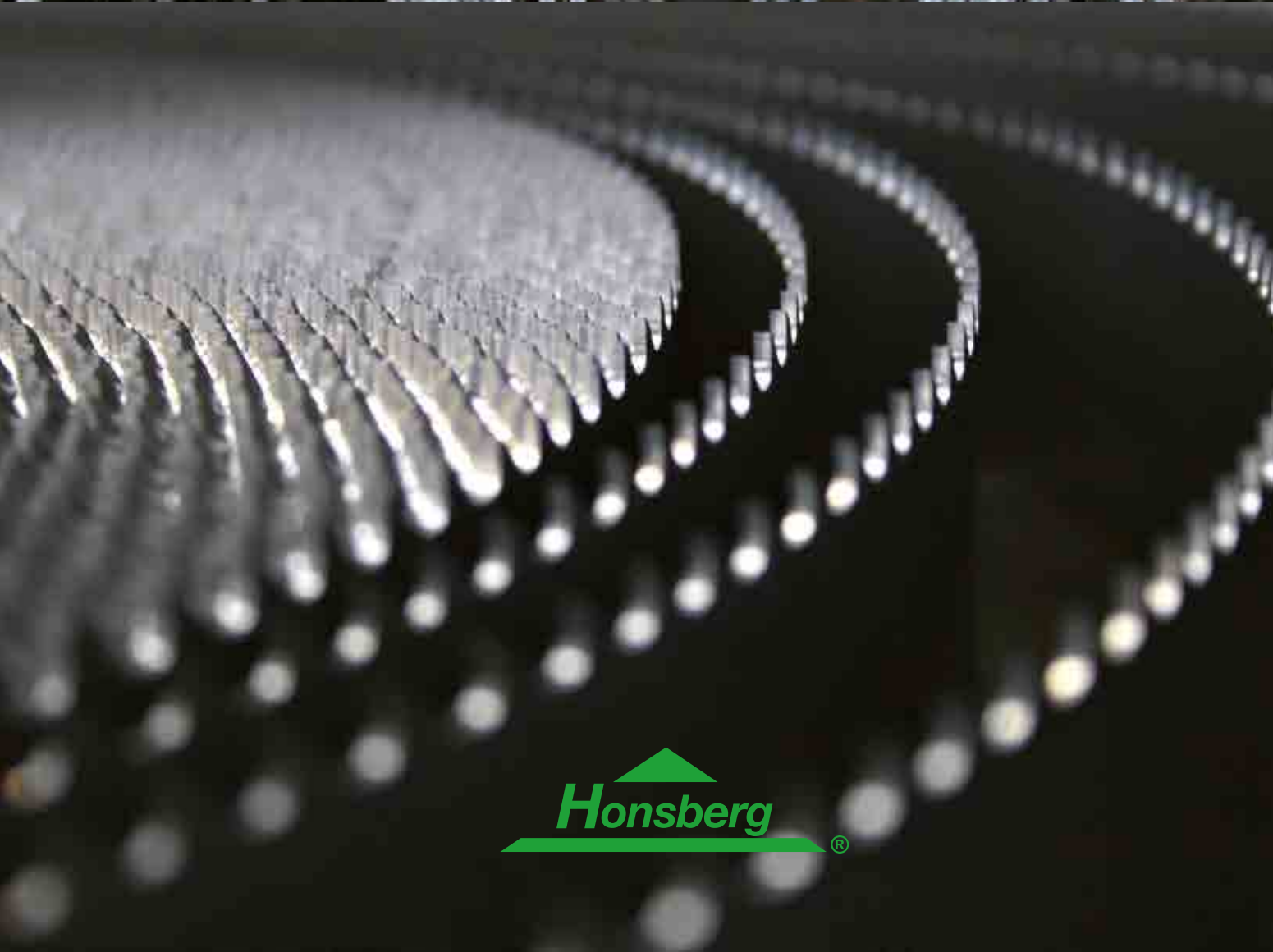
No.	Width x Thickness		Segment spacing	Grain size	
	mm	inches		mm	
371					
006050	6 x 0,50	1/4 x .020	8	medium	1000
010065	10 x 0,65	3/8 x .025	12	medium coarse	1500
013050	13 x 0,50	1/2 x .020	12	medium	1000
013065	13 x 0,65	1/2 x .025	12	medium / medium coarse	1000 / 1500
020080	20 x 0,80	3/4 x .032	12	medium / coarse	1000 / 2000
025090	25 x 0,90	1 x .035	12	medium / medium coarse / coarse / extra coarse	1000 / 1500 / 2000 / 2500
032090	32 x 0,90	1 1/4 x .035	14	coarse	2000
032110	32 x 1,10	1 1/4 x .042	14	coarse	2000
038110	38 x 1,10	1 1/2 x .042	14	coarse	2000
041130	41 x 1,30	1 5/8 x .050	14	coarse	2000



Cerrus Gulleted



No: **3710100651500** • Quality • Width x Thickness • Tooth pitch
 Sample: Cerrus gulleted 10x0,65 medium coarse




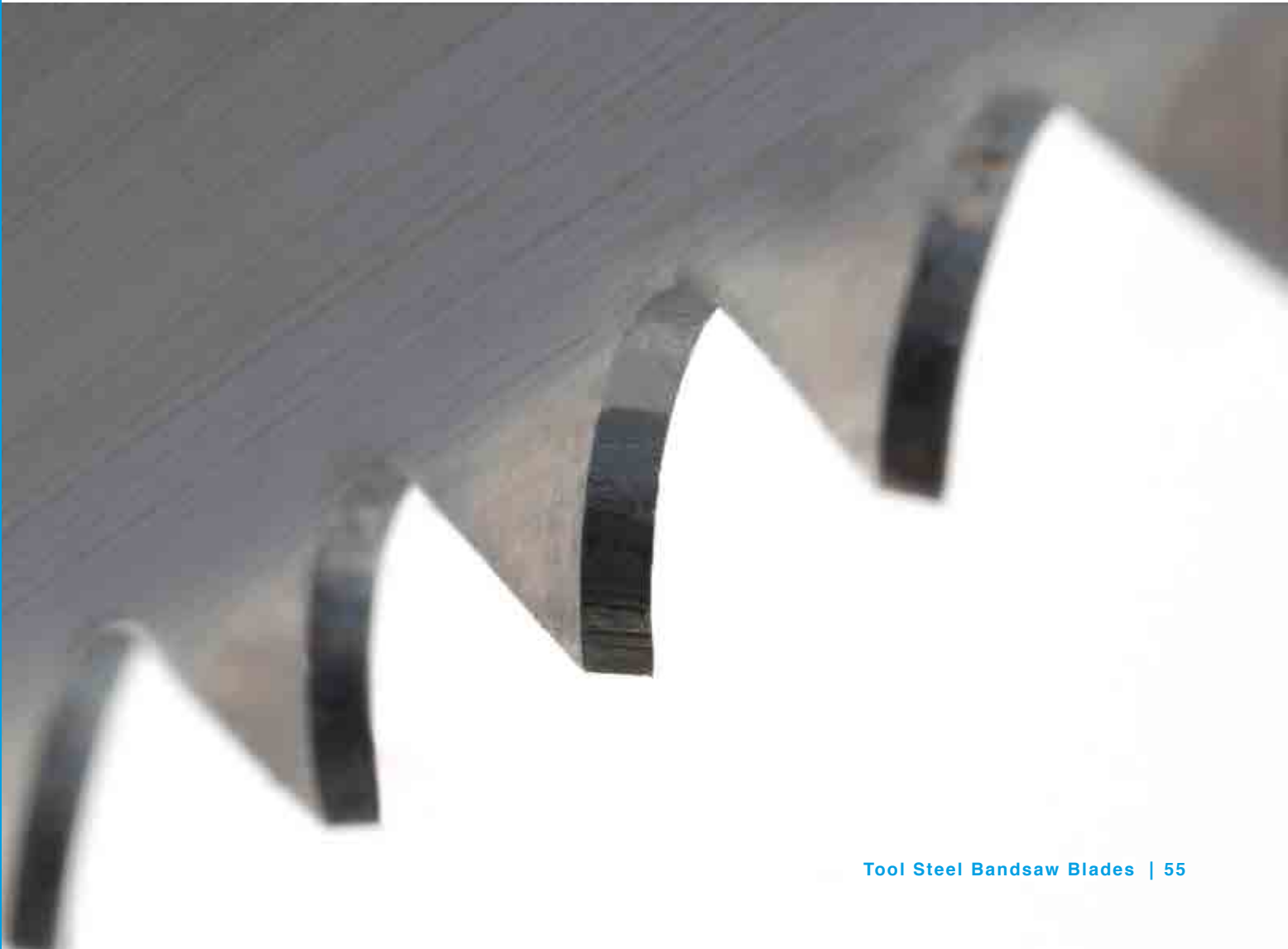
**Honsberg**®

Tool Steel Bandsaw Blades

Quality Swedish steel

- Tool steel bandsaw blade made from strip steel with pin-point structure (carbide density: 30–50 carbide grains per 100 μm^2)
- Hard iron carbides at the tooth tip and in the backing provide good wear resistance
- The Super has a special heat treatment of the backing material

Packaging units	Rolls from 30 m to approx. 100 m, depending on the band width endless-welded bands
Band widths	6 to 25 mm
Tooth shapes	K,S → 
Tooth pitches	Vario Normal
Quality	Swedish carbon steel High-alloyed tool steel 64–65 HRc





The bandsaw blade for simple workshop use with a max. band speed of 150 m/min

Our solution for

- Handymen and small workshops
- Pipes, beams and solid material with small to medium dimensions
- Unalloyed steels, non-ferrous metals, wood

Advantages

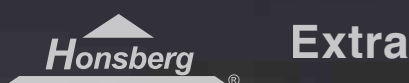
- Inexpensive band saw blade
- Good weldability

Features

- Backing made of flexible Swedish steel
- Ultra-hardened tooth tips

No.	Width x Thickness		Tooth pitch in tpi			
	mm	inches	0200	0300	0400	0600
511			2	3	4	6
006065	6 x 0,65	1/4 x .025			K	K
008065	8 x 0,65	5/16 x .025			K	K
010065	10 x 0,65	3/8 x .025		K	K	K
013065	13 x 0,65	1/2 x .025			K	K
016080	16 x 0,80	5/8 x .032		K	K	
020080	20 x 0,80	3/4 x .032			K	
025090	25 x 0,90	1 x .035	K	K	K	
Contact length (mm)			200 – 400	120 – 200	80 – 120	50 – 80

No.	Width x Thickness		Tooth pitch in tpi						
	mm	inches	0400	0600	0800	1000	1400	1800	2400
510			4	6	8	10	14	18	24
006065	6 x 0,65	1/4 x .025		S	S	S	S	S	S
008065	8 x 0,65	5/16 x .025		S	S	S	S	S	S
010065	10 x 0,65	3/8 x .025		S	S	S	S	S	S
013065	13 x 0,65	1/2 x .025		S	S	S	S	S	S
016080	16 x 0,80	5/8 x .032	S	S	S	S	S		
020080	20 x 0,80	3/4 x .032		S	S	S	S	S	
025090	25 x 0,90	1 x .035		S	S	S	S		
Contact length (mm)			80 – 120	50 – 80	40 – 60	30 – 50	20 – 40	10 – 15	5 – 10



Honsberg Super



The bandsaw blade for simple workshop use with a max. band speed of 150 m/min

Our solution for

- Small and medium sized workshops
- Pipes, beams and solid material with small to medium dimensions
- Unalloyed steels, non-ferrous metals, wood

Advantages

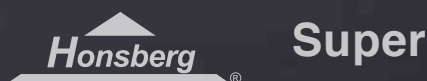
- Inexpensive saw band
- Good weldability
- Increased cutting capacity and better edge-holding ability

Features

- Backing made of specially heat-treated alloy steel
- Ultra-hardened tooth tips

No.	Width x Thickness		Tooth pitch in tpi		
	mm	inches	0300	0400	0600
521			3	4	6
006065	6 x 0,65	1/4 x .025		K	K
008065	8 x 0,65	5/16 x .025			K
010065	10 x 0,65	3/8 x .025		K	K
013065	13 x 0,65	1/2 x .025	K	K	K
016080	16 x 0,80	5/8 x .032		K	
020080	20 x 0,80	3/4 x .032	K	K	
025090	25 x 0,90	1 x .035		K	K
Contact length (mm)			120 – 200	80 – 120	50 – 80

No.	Width x Thickness		Tooth pitch in tpi						
	mm	inches	0400	0600	0800	1000	1400	1800	2400
520			4	6	8	10	14	18	24
006065	6 x 0,65	1/4 x .025		S	S	S	S	S	S
008065	8 x 0,65	5/16 x .025		S	S	S	S	S	S
010065	10 x 0,65	3/8 x .025		S	S	S	S	S	S
013065	13 x 0,65	1/2 x .025		S	S	S	S	S	S
016080	16 x 0,80	5/8 x .032	S	S	S	S	S		S
020080	20 x 0,80	3/4 x .032		S	S	S	S	S	
025090	25 x 0,90	1 x .035	S	S	S	S	S		
Contact length (mm)			80 – 120	50 – 80	40 – 60	30 – 50	20 – 40	10 – 15	5 – 10



Hansberg
IN GERMANY

SENTOR
ASS

REM



Honsberg Senior Power Hacksaw Blades



Product line 332

- **Standard tooth: 0° rake angle**
- **Universal saw blade**
- For a wide range of cutting uses
- Maximum durability even in the highest material strength range
- Ideal for use with a wide range of different materials and dimensions
- The saw blade for optimal cutting capacity

Product range > www.honsberg.de

Honsberg Gamma Power Hacksaw Blades



Product line 334

- **Standard tooth: 0° rake angle**
- **Universal saw blade**
- Made of spring steel and laser welded HSS for the teeth
- For high cutting capacity and high feed rates
- Absolutely break-proof for maximum safety at work

Product range > www.honsberg.de

Honsberg Spezial 8P Power Hacksaw Blades



Product line 337

- **Claw tooth: 8° positive rake angle**
- **The perfect middle ground between a universal saw blade and special saw blade**
- For long-chipping, tough materials
- Optimal for cutting structural, case-hardened and heattreatable steels with strengths up to about 800 N/mm²
- An addition for stainless steels for cross-sections under 50mm or pipe walls under 10mm with corresponding tooth pitch

Product range > www.honsberg.de

SENIOR
HSS-BI-METALL

1604

8 D
18 T


Honsberg

REMSCHIED

QUALITY




Honsberg®

Honsberg Senior HSS Hand Hacksaw Blades



- Recommended for high-alloyed tool steels
- Molybdenum high-speed steel, fully hardened, very good edge-holding ability, long service life

No.	Width x Thickness		Tooth ZpZ / tpi	pce.
	mm	Inches		
3420250802400	300 x 25 x 0,80	12 x 1 x.032	24	50

Honsberg Bimetall Hand Hacksaw Blades



- Recommended for all materials
- Tooth cutting edge made of HSS molybdenum and backing made of alloyed heat-treated steel
- Wear-resistant, unbreakable, with excellent edge-holding ability

No.	Width x Thickness		Tooth ZpZ / tpi	pce.
	mm	Inches		
3440130631800	300 x 13 x 0,63	12 x 1/2 x.025	18	100
3440130632400	300 x 13 x 0,63	12 x 1/2 x.025	24	100
3440130633200	300 x 13 x 0,63	12 x 1/2 x.025	32	100

Honsberg Wolfram Hand Hacksaw Blades



- Recommended for steel and all non-ferrous metals
- Hard-tooth hand saw blade made of tungsten-alloy tool steel
- Double-sided toothing
- The ideal saw blade for the handyman

No.	Width x Thickness		Tooth ZpZ / tpi	pce.
	mm	Inches		
3450250802400	300 x 25 x 0,80	12 x 1 x.032	24	50

Honsberg Anker Hand Hacksaw Blades



- Recommended for soft steels, plastics and non-ferrous metals
- Hard-tooth hand saw blade, made of tool steel with wavy tooth set
- Double-sided toothing
- Ideal for simple workshop use

No.	Width x Thickness		Tooth ZpZ / tpi	pce.
	mm	Inches		
3460250802400	300 x 25 x 0,80	12 x 1 x.032	24	50

Service Accessories

Band Tension Gauge

With our Honsberg band tension gauge, you can easily measure the band tension of the bandsaw blade on the machine.



Refractometer

Our refractometer helps you keep a close eye on the correct coolant concentration, since lubrication has a significant impact on cutting rates.



Feed Rate Meter

The Honsberg VM-500-1 allows fast, accurate, easy measurement of the feed rate during the sawing process.



Band Speed Meter

The band speed meter is easy to use and tells you the exact speed of the saw band.



Cutting oil

The Honsberg HM-2 cutting oil has been uniquely developed for micro-spray systems on band saw machines to reduce thermal wear out. This way you can achieve the maximum service life of the band saw blades.



Wedge

The Honsberg heat-treated steel wedge helps you prevent any binding of the bandsaw blade in the cutting channel.



Swarf Brushes

Honsberg wire and nylon brushes are the ideal swarf brushes for your band saw machine. They remove chips efficiently and increase the service life of your band saw blades.



Digital Solutions

HONSBERG Homepage

Leading band saw technique by German engineering since 1798



WEBcut Software

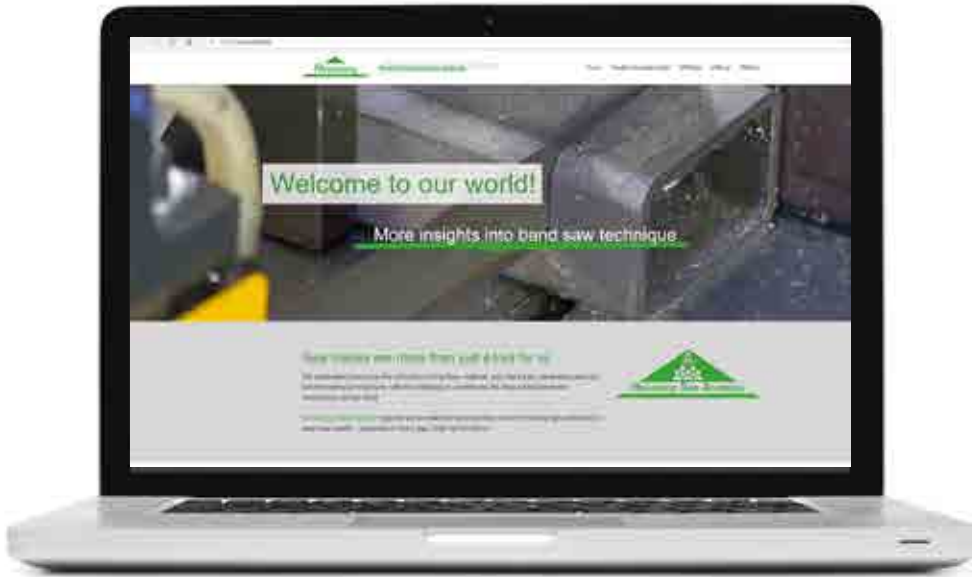
WEBcut helps the qualified user to calculate band sawing parameters based on machinery, material, dimension and other topics

Free of charge!



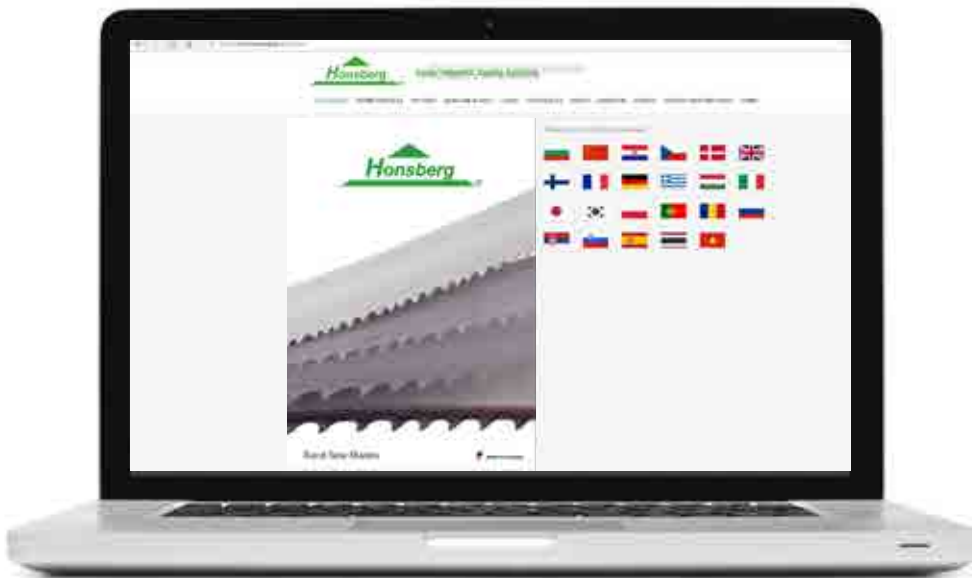
HONSBERG Saw Academy

THE academy around sawing with many insight into band saw technique, trouble shooting and technical background information which you cannot find anywhere else



My-Honsberg

Our database exclusively for authorized distributors including original HONSBERG marketing features



Bimetal Tooth Geometry Technology

Standard Tooth (S)

A tooth shape with a rake angle of 0° . It is particularly suitable for sawing short-chipping materials, low-alloy materials and small and medium cross-sections of solid materials, as well as pipes and beams.



Hook Tooth (K), (D)

The hook tooth with a positive rake angle of 10° or 16° K+ has a large, elongated chip space. Therefore, it is preferred for use cutting non-ferrous metals, low-carbon steels and CrNi alloys.



Master Tooth (M), (R)

The master tooth M with a positive rake angle of 10° or R 16° has sharpened tooth tips with one chamfered, unset pre-cutting tooth and two set finish-cutting teeth. The special tooth geometry allows economical sawing of high-alloyed and ultra-high-alloyed steels with bi-metal bandsaw blades.



Profile Tooth (P)

The profile tooth with a positive rake angle of 6° has a longer drawn tooth back. Its special geometry makes it especially suitable for profiles and beams under residual stress.



Pipe Tooth (PP)

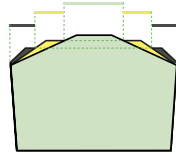
The PIPE tooth with a positive rake angle of 6° has a longer tooth back and a chip breaker. Its special geometry makes it particularly suitable for thick-walled pipe applications.



Carbide Tooth Geometry Technology

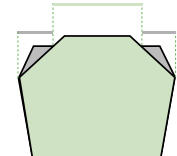
Sinus TAP Tooth (TAP)

This carbide-tipped saw blade with a 3-tooth group (pre-cutter, mid cutter, finish-cutter) and a positive rake angle is particularly suited for tool steels, stainless steels, high-speed steels, chrome-nickel steels, nickel-based alloys, aluminium and all other steel qualities up to a strength of about 1600 N/mm².



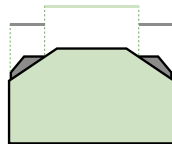
Sinus ProBalance Tooth (TPB)

This carbide-tipped bandsaw blade with carbide trapezoidal teeth is designed for sawing solid materials, pipes, square tubes and profile steels, from low-alloy to high-alloy.



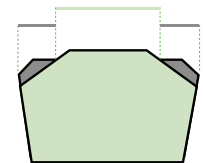
Sinus TSN Tooth (TSN)

This carbide-tipped saw blade with pre- and finish-cutter and a rake angle of 0° is particularly suitable for induction-hardened/through-hardened materials with hardnesses from 50 HRc to 64 HRc which are cut on light band saws, and for steel qualities with strength up to about 1600 N/mm².



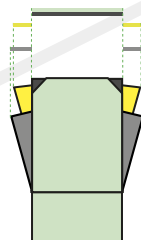
Sinus TNF-2 Tooth (TNF-2)

This carbide-tipped saw blade with pre- and finish-cutter is optimized for sawing non-ferrous metals, especially aluminium – cuts blocks, plates and sprues without difficulty.



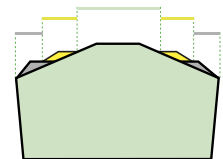
Sinus SET Xtreme Tooth (TXS)

This carbide-tipped bandsaw blade with a stepped tooth set and a positive rake angle is particularly suitable for sawing materials under residual stress, up to a material strength of about 1600 N/mm².



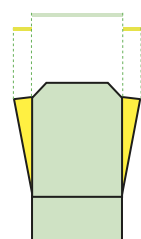
Sinus TNF-3 Tooth (TNF-3)

This carbide-tipped saw blade with pre-cutter, centre cutter and finish-cutter is particularly well designed for sawing blocks and plates made of non-ferrous metals, especially aluminium. The unique tooth geometry delivers a perfect sawing surface.



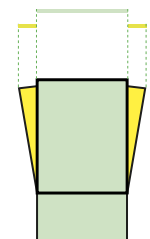
Sinus nSET Tooth (TSS)

The set carbide-tipped saw blade without a stepped tooth set and a positive rake angle is suitable for a wide range of materials up to a material strength of about 1600N/mm².



Sinus TCO Tooth (TCO)

This set carbide-tipped saw blade without a chamfered pre-cutter is suitable for sawing aerated concrete and insulating materials.



Honsberg Special Version PVD Multilayer Coating

PVD multilayer coating is a special type of coating for our bandsaw blades. We offer it for a wide range of our bimetal and carbide saw bands.

Advantages

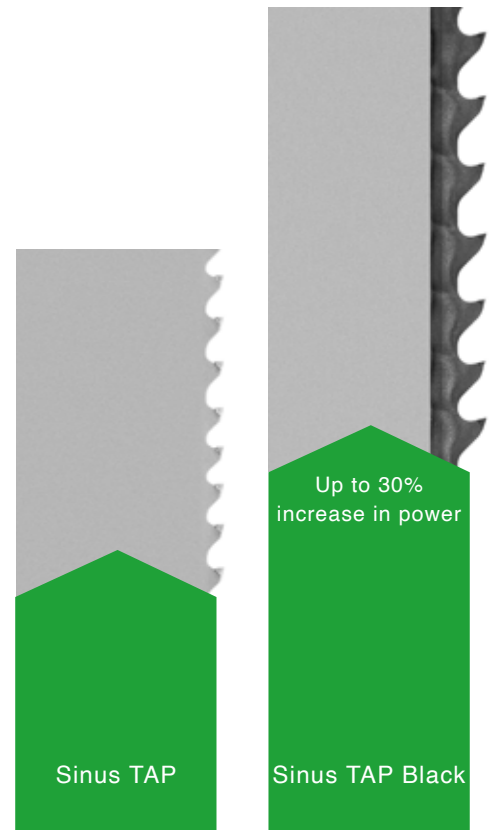
- Better chip flow in the tooth space
- Higher feed rate and cutting speed

Optimal range of applications

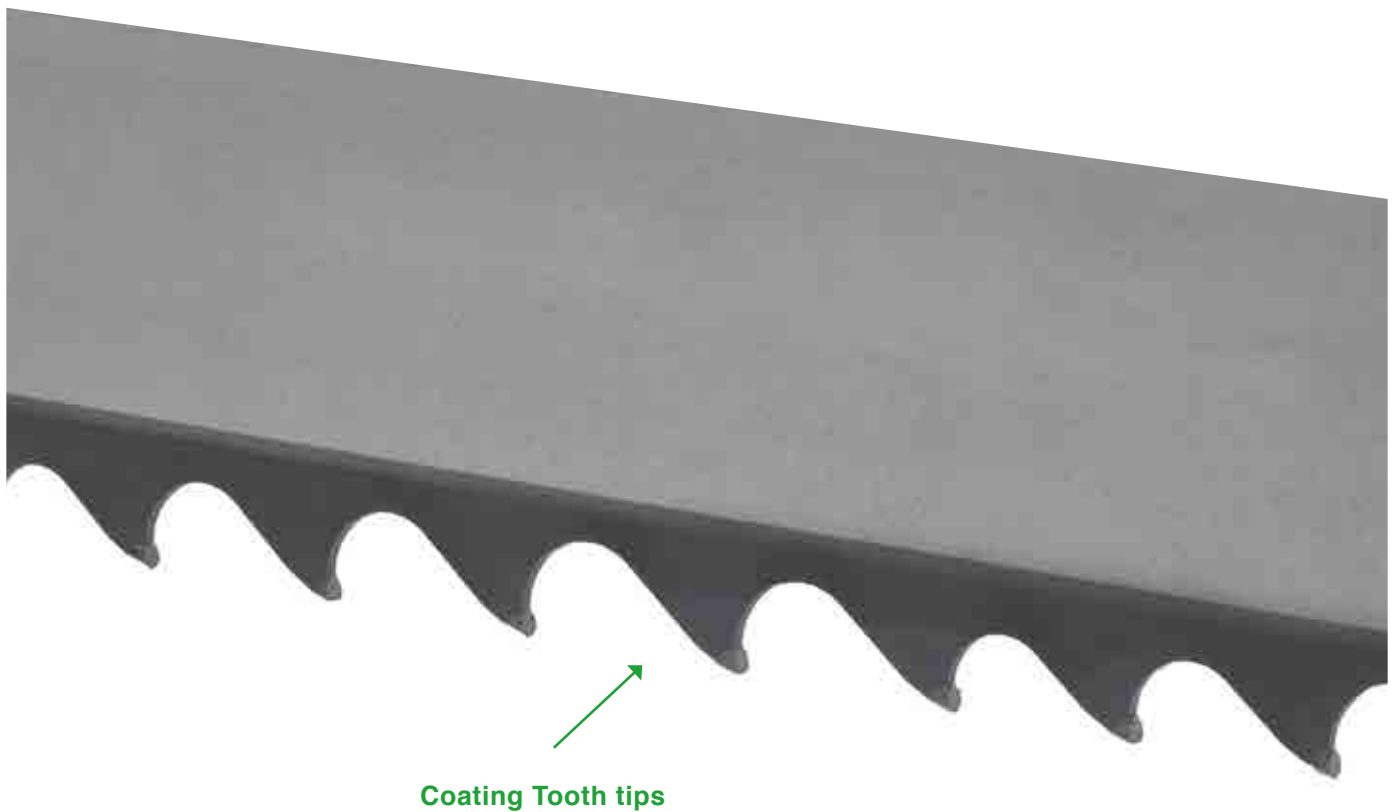
- High to ultra-high alloy materials
- Difficult-to-machine materials
- Materials with strength above 1400 N/mm²

Version

- Available for bandsaw blades in bimetal and carbide quality



Honsberg PVD Multilayer coating



Honsberg Special Version

Impact Plus – High-End Edge Finishing

The HONSBERG Impact Plus – High-End Edge finishing is merged into the back edge of the finished band saw blade. This special design allows us to reduce the effective contact length – the „cutting channel length“ – and to optimize your sawing process resulting in the following advantages.

Advantages

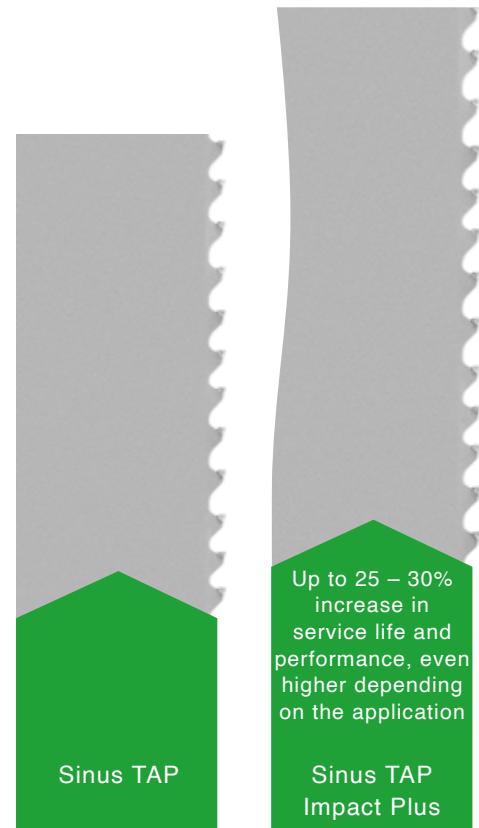
- Cutting force optimized by shortening the contact length of the bandsaw blade
- Cuts freely without binding in the cutting channel
- Extended service life

Optimal range of applications

- High-strength materials
- Rust-proof and acid-resistant steels, as well as exotic alloys
- Materials with over 200 mm cutting channel length

Version

- Available for bandsaw blades in bimetal and carbide quality



Honsberg Impact Plus – High-End Edge finishing



Honsberg Service

Application Technology

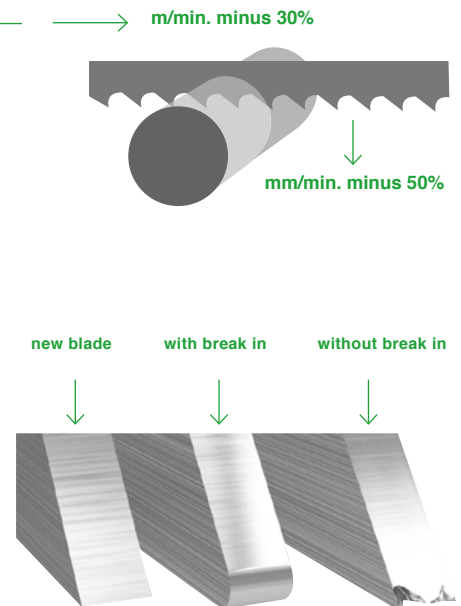
Our application technology department will be happy to inform you about technical options for cutting materials precisely and efficiently. We will also be happy to discuss your sawing processes and, where possible, optimize them on-site.

We recommend the following conditions for break-in in bandsaw blades

Breaking in a new bandsaw blade

The service life of a bandsaw blade depends crucially on breaking the bandsaw blade in correctly in a controlled manner.

- Select the correct recommended values for the cutting speed V_c (m/min) and feed rate V_f (mm/min) with the help of our Honsberg WEBcut
- Start at 70% of the regular cutting speed and 50% of the regular feed rate (see graphic)
- After cutting a solid surface of 300–500 cm², depending on the material, or 15 minutes of cutting for tubes and beams, you can gradually adjust the parameters to the recommended values
- For carbide saw bands, the area of the solid material to be cut is 1500-2000 cm² until the parameters can be adjusted to the recommended values



Safety Instructions

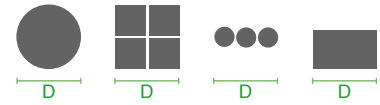
For Handling and Storage

When handling and storing Honsberg metal saw blades, the following instructions must be observed for your own safety.

- Take care when opening endless-welded saw bands, as they are under tension when delivered. We will be happy to provide instructions upon request
- Always wear safety shoes, work gloves, a helmet and safety goggles when unpacking and assembling the tool
- It is important not to remove the tooth guard of the bandsaw blades until they are mounted on the machine
- Close the impeller cover on band saws during the operating phase
- If technically possible, switch off the machine via the main switch when changing the bandsaw blade
- Further safety instructions can be found in the operating instructions of your machine manufacturer



Technique

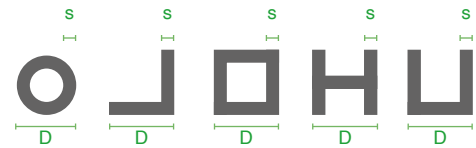


Tooth pitch Solid Material

Carbon Steel and Bimetal Band Saw Blades

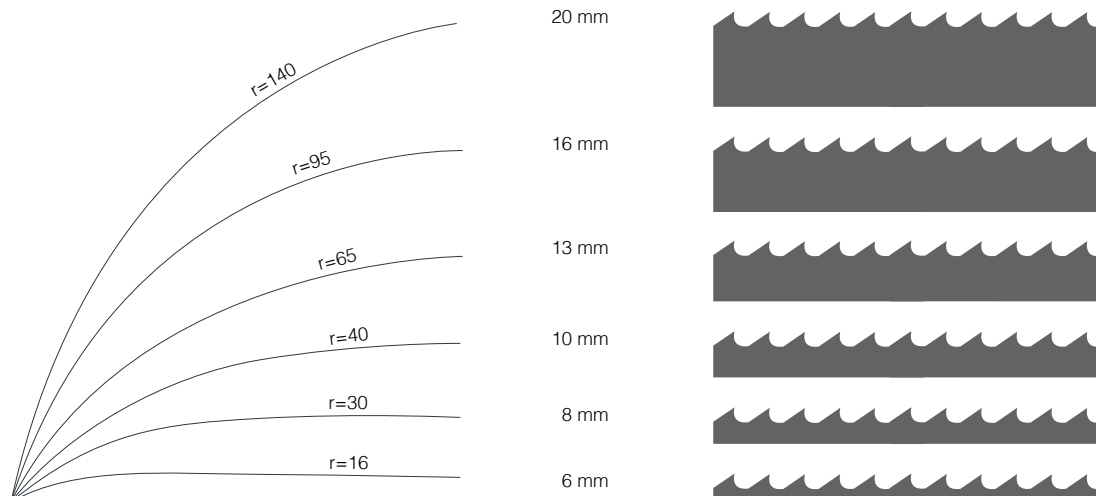
D	tpi	D	tpi
< 10 mm	14	< 25 mm	10/14
10 – 30 mm	10	15 – 40 mm	8/12
30 – 50 mm	8	25 – 50 mm	6/10
50 – 80 mm	6	35 – 70 mm	5/8
80 – 120 mm	4	40 – 90 mm	5/6
120 – 200 mm	3	50 – 120 mm	4/6
200 – 300 mm	2	80 – 150 mm	3/4
300 – 700 mm	1,25	130 – 350 mm	2/3
>600mm	0,75	150 – 450 mm	1,5/2
		200 – 600 mm	1,1/1,6
		> 500 mm	0,75/1,25

Tooth pitch Structurals



S	D											
	10	20	40	60	80	100	120	150	200	300	500	
0,5	12/16 P	12/16 P										
1	12/16 P	12/16 P	12/16 P									
2		12/16 P	12/16 P	12/16 P	12/16 P	12/16 P	8/11 P	8/11 P	8/11 P	8/11 P	5/7 P	
3		12/16 P	12/16 P	12/16 P	8/11 P	8/11 P	8/11 P	8/11 P	8/11 P	5/7 P	5/7 P	5/7 P
4		12/16 P	12/16 P	8/11 P	8/11 P	8/11 P	7/9P 5/7 P	7/9P 5/7 P	7/9P 5/7 P	5/7 P	5/7 P	4/6 P
5		12/16 P	12/16 P	8/11 P	7/9 P	7/9P 5/7 P	7/9P 5/7 P	7/9P 5/7 P	5/7 P	4/6 P	4/6 P	4/6 P
6		12/16 P	8/11 P	8/11 P	7/9 P	7/9P 5/7 P	7/9P 5/7 P	5/7 P	5/7 P	4/6 P	4/6 P	4/6 P
8		12/16 P	8/11 P	8/11 P	7/9P 5/7 P	5/7 P	5/7 P	5/7 P	4/6 P	4/6 P	4/6 P	4/6 P
10			8/11 P	7/9P 5/7 P	5/7 P	4/6 P	4/6 P	4/6 P	4/6 P	4/6 P	4/6 P	4/6 P
12			7/9P 8/11 P	7/9P 5/7 P	4/6 P	4/6 P	4/6 P	4/6 P	4/6 P	4/6 P	4/6 P	4/6 P
15			7/9P 8/11 P	7/9P 5/7 P	4/6 P	4/6 P	4/6 P	4/6 P	4/6 P	4/6 P	4/6 P	4/6 P
20				7/9P 4/6 P	4/6 P	4/6 P	4/6 P	4/6 P	4/6 P	4/6 P	4/6 P	3/4 P
30					4/6 P	4/6 P	4/6 P	4/6 P	4/6 P	4/6 P	4/6 P	3/4 P
50								4/6 P	3/4 P	3/4 P	2/3 P	
80									3/4 P	2/3 P	2/3 P	
> 100										2/3 P	1,5/2	

Scroll Sawing Table of minimum radiuses





MORE INFORMATION? PLEASE CONTACT US!

Fortiva Sweden

Fortiva AB
Höjdrodergatan 22, 212 29 Malmö
info@fortiva.se, +46 10 121 91 00
www.fortiva.se

Fortiva Denmark

Fortiva Danmark A/S
Teknikervej 16, 7000 Fredericia
fortiva@fortiva.dk , +45 7594 2122
www.fortiva.dk

LSAB Finland

LSAB Suomi Oy
Vakiotie 4B, 21420 Lieto
lsab@lsab.fi, +358 02 273 5500
www.lsab.fi

LSAB Norway

LSAB Norge AS
Fossvegen 15, 2337 Tangen
info@lsab.no, +47 62 57 46 00
www.lsab.no

LSAB Latvia

SIA LSAB Latvia
Atmodas iela 61, Inčukalna novads
LV-2141, Inčukalns
info@lsab.ee, +371 67977356
www.lsablatvia.lv

LSAB Estonia

LSAB Väandra AS
Allikõnnu küla,
87604 Põhja-Pärnumaa
info@lsab.ee, +372 44 26960
www.lsab.ee

www.lsabgroup.com

LSAB GROUP

ENGINEERING YOUR COMPETITIVE EDGE