

NEW

BAND SAW BLADES

INTELLIGENT SOLUTIONS
MADE BY

Eberle

PREMIUM LINE

NEW

dimensions in	teeth per inch (tpi)							dimensions mm
CT-flex® nano coated carbide-tipped blades								
	.75/1.25	1/1.3	1.4/2	2	2/3	3	3/4	
1 1/2 x .050			TR ●	TR ○	TR ●	TR ○	TR ○	41 x 1,30
2 x .063		TR ○	TR ●	TR ○	TR ○			54 x 1,60
2 5/8 x .063	TR ○	TR ●	TR ●					67 x 1,60
3 1/8 x .063	TR ●		TR ●					80 x 1,60
CT-flex® 3000 carbide-tipped blades								
	.75/1.25	1/1.3	1.4/2	2	2/3	3	3/4	
1 x .035					TR			27 x 0,90
1 1/4 x .042				TR	TR	TR		34 x 1,10
1 1/2 x .050			TR	TR	TR	TR		41 x 1,30
2 x .063	TR	TR	TR	TR				54 x 1,60
2 5/8 x .063	TR	TR	TR					67 x 1,60
3 1/8 x .063	TR		TR					80 x 1,60
CT-flex® 4000 carbide-tipped blades								
	.75/1.25	1/1.3	1.4/2	2	2/3	3	3/4	
3/4 x .035						TR		20 x 0,90
1 x .035					TR	TR	TR	27 x 0,90
1 1/4 x .042				TR	TR	TR	TR	34 x 1,10
1 1/2 x .050			TR	TR	TR	TR	TR	41 x 1,30
2 x .063	TR	TR	TR	TR	TR			54 x 1,60
2 5/8 x .063	TR	TR	TR					67 x 1,60
3 1/8 x .063	TR		TR					80 x 1,60
CT-flex® Alu XL carbide-tipped blades								
		.75/1.25	1/1.3	1.4/2	2	2/3		
1 1/2 x .050					TR	TR	TR	41 x 1,30
2 x .063		TR	TR	TR				54 x 1,60
2 5/8 x .063		TR	TR	TR				67 x 1,60
3 1/8 x .063		TR						80 x 1,60
CT-flex® CHM carbide-tipped blades								
			3	3/4				
1 x .035			TRN	TRN				27 x 0,90
1 1/4 x .042			TRN	TRN				34 x 1,10
1 1/2 x .050			TRN	TRN				41 x 1,30
nanoflex® Black coated bimetal blades								
		.75/1.25	1/1.3	1.4/2	2/3	3/4		
1 1/2 x .050				DCS	DCS	DCS		41 x 1,30
2 x .063			DCS	DCS	DCS	DCS		54 x 1,60
2 5/8 x .063		DCS	DCS	DCS				67 x 1,60
3 1/8 x .063		DCS	DCS	DCS				80 x 1,60
duoflex® GT bimetal blades								
		.75/1.25	1/1.3	1.4/2				
2 x .063		DCS	DCS	DCS				54 x 1,60
2 5/8 x .063		DCS	DCS	DCS				67 x 1,60
3 1/8 x .063		DCS	DCS	DCS				80 x 1,60

NEW

NEW


Please refer to page 5 for an explanation of DCS, TR and TRN.

● standard ○ on request

COATED CARBIDE-TIPPED BLADES

CT-flex® nano

Features: special TiAlN coating, heat resistant cutting edge, MultiChip®Geometry
Specialty: for high strength and heat treated materials and nickel based alloys

Applications: 


Material Hardness: ≤ 65 HRC

NEW

CARBIDE-TIPPED BLADES

CT-flex® 3000

Features: high performance, high productivity, high stability
Specialty: for extra hard-to-cut materials, e.g. Titanium, Inconel

Applications: 

Material Hardness: ≤ 65 HRC

CT-flex® 4000

Features: high performance, short cutting time, low vibration
Specialty: for heavy duty materials, e.g. Titanium, Inconel and Aluminum

Applications: 

Material Hardness: ≤ 65 HRC

CT-flex® ALU XL

Features: reduced material loss, improved tooth geometry, less forces
Specialty: designed for Aluminium and Aluminium alloys

Applications: 

NEW

CT-flex® CHM

Features: highest cutting performance and excellent wear resistance
Specialty: specially designed negative tooth geometry for case hardened materials and chrome rod applications

Applications: 

Material Hardness: ≤ 65 HRC

NEW

COATED BIMETAL BLADES

nanoflex® Black

Features: excellent wear resistance, low friction, high degree of red hardness
Specialty: TiAlN Black coating, prehoned edge quality, break-in not required

Applications: 

Material Hardness: ≤ 50 HRC

BIMETAL BLADES

duoflex® GT

Features: excellent finish, extremely clean cutting surface, large applications
Specialty: ground triple chip tooth geometry, tool steels, nickel-based alloys, high alloys, mold steels

Applications: 

Material Hardness: ≤ 50 HRC

BIMETAL BLADES

duoflex® SP

Features: large applications, reduces cutting force and heat in cut due to special tooth geometry
Specialty: especially suited for cutting stainless steel, tool steels, 4140, nickel-based alloys

Applications: 

Material Hardness: ≤ 49 HRC

duoflex® M51

Features: heavy duty applications, M51 heat and wear resistance
Specialty: cutting performance of HSS-teeth is increased by alloying Cobalt and Tungsten

Applications: 

Material Hardness: ≤ 49 HRC

duoflex® M42

Features: bimetal blade, high speed steel combined with 4% chrome backing material
Specialty: multi-functional, almost all steel grades in workshops and serial production

Applications: 

Material Hardness: ≤ 44 HRC

duoflex® PT

Features: extreme cutting performance, smooth finish and blade life in interrupted cuts
Specialty: engineered to reduce vibration, resists tooth breakage especially on pipes and tubes

Applications: 

Material Hardness: ≤ 44 HRC

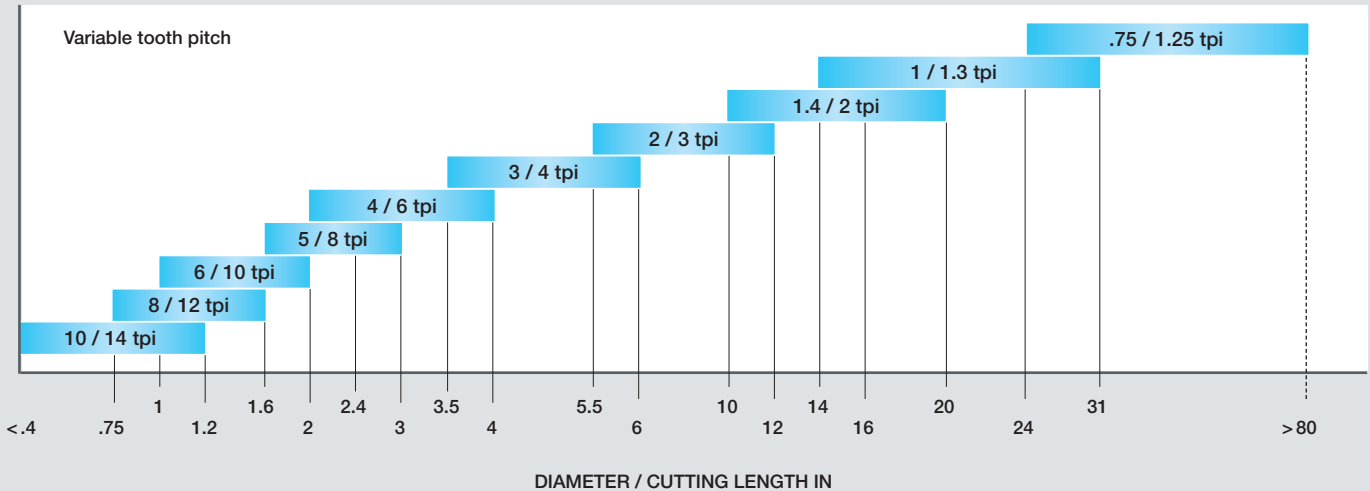
Product development has highest priority at Eberle.

New materials and highest quality requirements set the benchmarks for our Premium and Professional Line.

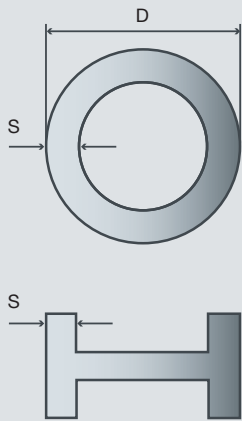
dimensions in	teeth per inch (tpi)														dimensions mm						
duoflex® SP bimetal blades																					
				.75/1.25	1/1.3	1.4/2	2/3	3/4													
1 x .035								CSP								27 x 0,90					
1 1/4 x .042							CSP	CSP								34 x 1,10					
1 1/2 x .050						CSP	CSP	CSP								41 x 1,30					
2 x .063					CSP	CSP	CSP									54 x 1,60					
2 5/8 x .063				CSP	CSP	CSP	CSP									67 x 1,60					
3 1/8 x .063				CSP	CSP											80 x 1,60					
duoflex® M51 bimetal blades																					
				.75/1.25	1/1.3	1.4/2	2/3	3/4	4/6												
1 x 0.35							DCS	DCS	CS							27 x 0,90					
1 1/4 x 0.42							DCS	DCS	CS							34 x 1,10					
1 1/2 x 0.50							DCS	DCS								41 x 1,30					
2 x 0.63						DCS	DCS	DCS								54 x 1,60					
2 5/8 x 0.63				DCS		DCS	DCS									67 x 1,60					
3 1/8 x 0.63				DCS	DCS	DCS										80 x 1,60					
duoflex® M42 bimetal blades																					
			3	4	6	8	10	14	.75/1.25	1/1.3	1.4/2	2/3	3/4	4/6	5/8	6/10	8/12	10/14			
1/4 x .035				CW	CW			N	N										N	6 x 0,90	
3/8 x .035				CW	CW			N	N											N	10 x 0,90
1/2 x .025				CW	CW			N	N								N	N	N		13 x 0,65
1/2 x .035				CW	CW	CW	N	N	N								N	N	N		13 x 0,90
3/4 x .035								N	N					N/CS	N	N	N	N			20 x 0,90
1 x .035				DCS	CS	N						DCS	N/DCS	N/CS DCS	N/CS	N	N	N			27 x 0,90
1 1/4 x .042					CS							DCS	N/DCS	N/CS DCS	N/CS	N	N				34 x 1,10
1 1/2 x .050					CS						DCS	DCS	N/DCS	N/CS DCS	N/CS						41 x 1,30
2 x .050											DCS	DCS	CS								54 x 1,30
2 x .063									DCS	DCS	DCS	DCS	DCS	CS							54 x 1,60
2 5/8 x .063									DCS	DCS	DCS	DCS	DCS								67 x 1,60
3 1/8 x .063									DCS	DCS	DCS										80 x 1,60
duoflex® PT bimetal blades																					
					2/3	3/4	4/6	5/8	8/12												
3/4 x .035													CST								20 x 0,90
1 x .035					CST	CST	CST	CST	CST												27 x 0,90
1 1/4 x .042					CST	CST	CST	CST													34 x 1,10
1 1/2 x .050					CST	CST	CST	CST													41 x 1,30
2 x .063					CST	CST	CST														54 x 1,60
2 5/8 x .063					CST	CST															67 x 1,60

Please refer to page 5 for an explanation of CS, CSP, CST, CW, DCS and N.

CUTTING RECOMMENDATIONS FOR SOLID MATERIAL



CUTTING RECOMMENDATIONS FOR TUBES AND PROFILES



D in	.75	1.5	2.4	3	4	6	8	12	16	20	> 28
S in	teeth per inch (tpi)										
.08	14	14	14	14	10/14	10/14	10/14	10/14	8/12	8/12	6/10
.12	14	10/14	10/14	8/12	8/12	8/12	6/10	6/10	6/10	6/10	6/10
.15	14	10/14	10/14	8/12	8/12	6/10	6/10	5/8	5/8	4/6	4/6
.20	14	10/14	10/14	8/12	6/10	6/10	5/8	4/6	4/6	4/6	4/6
.25	14	10/14	8/12	8/12	6/10	5/8	5/8	4/6	4/6	4/6	4/6
.3	14	8/12	6/10	6/10	6/10	5/8	5/8	4/6	4/6	4/6	4/6
.4		6/10	6/10	5/8	5/8	4/6	4/6	4/6	4/6	3/4	3/4
.5		6/10	5/8	4/6	4/6	4/6	4/6	3/4	3/4	3/4	3/4
.6				4/6	4/6	3/4	3/4	3/4	3/4	2/3	2/3
.75				4/6	4/6	3/4	3/4	3/4	3/4	2/3	2/3
1.2				3/4	3/4	3/4	2/3	2/3	2/3	2/3	1.4/2
2							2/3	2/3	2/3	1.4/2	1.4/2
3								2/3	1.4/2	1.4/2	1.4/2
4									1.4/2	1.4/2	1/1.3
6										.75/1.25	.75/1.25
> 10										.75/1.25	.75/1.25

TOOTH FORMS



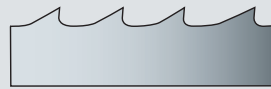
N-TOOTH | neutral rake angle
 > short-chip materials
 > small work pieces



CST-TOOTH | positive rake angle
 > short-chip materials
 > profiles, tubes, bundles



CS-TOOTH | positive rake angle
 > long-chip, tough materials
 > universal application



CW-TOOTH | positive rake angle
 > low-alloy materials, Aluminum
 > mold construction, contours



DCS-TOOTH | positive rake angle
 > heavy duty, high alloyed work pieces
 > large cross-sections



TR/TRN-TOOTH | variable rake angle
 > heavy duty work pieces
 > high cutting performance



CSP-TOOTH | positive rake angle
 > austenitic materials
 > nickel-based alloys

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We look forward to your call!

Eberle

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