



Eberle 09.21

1836.01

Made for performance.

Band saw blades made in Germany.

Carbide-tipped Blades

for extreme cutting applications

Legend:

- Square Steel:** square bar, flat bar, bundle single-layer
- Round Steel:** round bar, bundle single-layer
- Tube:** thick-walled



CT-flex® nano coated

Features:

- Multichip® geometry
- TiAlN-coating
- heat and wear resistant cutting edge
- pre-honed tooth edges
- on request

Applications:

- stainless, acid-resistant, hardening martensitic steel
- nickel-based alloys
- ≤ 65 HRC



CT-flex® 4000

Features:

- CT4 geometry
- excellent performance
- short cycle times
- very smooth running blade

Applications:

- extremely hard-to-cut materials
- ≤ 65 HRC



CT-flex® 3000

Features:

- CT3 geometry
- excellent performance
- short cycle times
- high stability

Applications:

- hard-to-cut materials
- ≤ 65 HRC

Work pieces: [square] [flat bar] [circle]

Tooth top view: [diagram showing tooth profiles for square, flat bar, and round workpieces]

in	Teeth per inch (tpi)						mm
	.75/1.25	1/1.3	1.4/2	2/3	3/4		
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		TR •				80 x 1,60

Work pieces: [square] [flat bar] [circle]

Tooth top view: [diagram showing tooth profiles for square, flat bar, and round workpieces]

in	Teeth per inch (tpi)						mm
	.75/1.25	1/1.3	1.4/2	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	34 x 1,10
1 1/2 x .050			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

Work pieces: [square] [flat bar] [circle]

Tooth top view: [diagram showing tooth profiles for square, flat bar, and round workpieces]

in	Teeth per inch (tpi)				mm
	.75/1.25	1/1.3	1.4/2	2/3	
1 1/4 x .042				TR	34 x 1,10
1 1/2 x .050			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		TR		80 x 1,60



CT-flex® CHM

Features:

- Multichip® geometry
- superior performance
- negative rake angle
- extreme wear resistance

Applications:

- case hardened and chrome plated materials
- ≤ 65 HRC



CT-flex® ALU

Features:

- reduced feed force
- resists pinching
- optimized for manual feed
- minor material loss and improved chip formation due to reduced kerf width of 2.00 mm
- optional kerf width of 2.00 mm or 2.50 mm

Applications:

- Aluminum and Aluminum alloys
- large plates and large blocks of Aluminum
- foundry applications
- non-ferrous metals



CT-flex® Pro

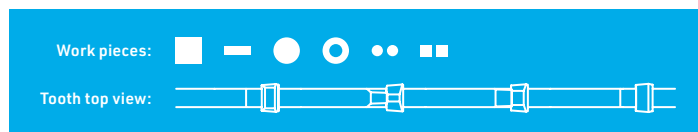
Features:

- triple chip tooth geometry
- set tooth
- vibration resistant

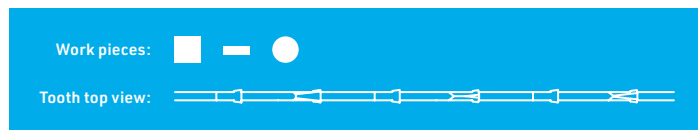
Applications:

- corrosion and acid-resistant steels
- nickel-based alloys
- ≤ 65 HRC

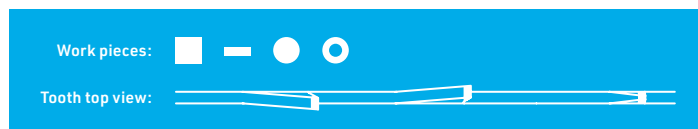
ST = set tooth



in	Teeth per inch (tpi)					mm
		3	3/4			
1 x .035			TRN			27 x 0,90
1 1/4 x .042		TRN	TRN			34 x 1,10
1 1/2 x .050			TRN			41 x 1,30



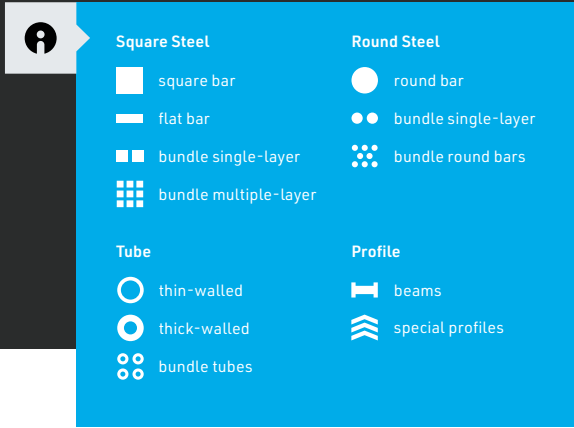
in	Teeth per inch (tpi)					mm
	.75/1.25	1/1.3	1.4/2	2/3	3/4	
1 x .035				TR	TR	27 x 0,90
1 1/4 x .042				TR	TR	34 x 1,10
1 1/2 x .050			TR	TR	TR	41 x 1,30
2 x .063	TR •	TR •	TR •			54 x 1,60
2 5/8 x .063	TR •	TR •	TR •			67 x 1,60
3 1/8 x .063	TR •					80 x 1,60



in	Teeth per inch (tpi)					mm
	.75/1.25	1.4/2	2/3	3	3/4	
1 x .035				ST	ST	27 x 0,90
1 1/4 x .042			ST		ST	34 x 1,10
1 1/2 x .050		ST	ST			41 x 1,30
2 x .063		ST				54 x 1,60
2 5/8 x .063	ST					67 x 1,60

Bimetal Blades

for high-performance cutting




nanoflex[®] VTX coated

Features:

- TiAlN-coating
- special alloyed micro-resistant cutting edge
- increased tooth hardness
- variable tooth height with strong positive rake angle

Applications:

- corrosion and acid-resistant steel
- nickel-based alloys
- tempered steel
- ≤ 50 HRC



nanoflex[®] Black coated

Features:

- TiAlN-coating
- prehoned edges
- short cycle times
- excellent wear resistance

Applications:

- Aluminum
- mild steels
- alloys
- stainless steels
- ≤ 50 HRC



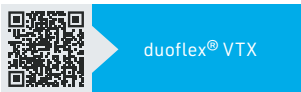
duoflex[®] VTX




Features:


- variable, positive tooth geometry
- enhanced chip division
- increased precision and stability
- micro-wear resistant cutting edge

Applications:









- large to very large work pieces
- corrosion and acid resistant steels
- heat-treated steels
- nickel-based alloys




Work pieces:   




Tooth top view: 


in	Teeth per inch (tpi)						mm
	.65/.95	.75/1.25	1.1/1.5	1.4/2	2/3	3/4	
1 x .035						CHT	27 x 0,90
1 1/4 x .042					CHT	CHT	34 x 1,10
1 1/2 x .050				CHT	CHT	CHT	41 x 1,30
2 x .050				CHT	CHT		54 x 1,30
2 x .063			CHT	CHT	CHT		54 x 1,60
2 5/8 x .063	CHT	CHT	CHT	CHT			67 x 1,60
3 1/8 x .063	CHT	CHT	CHT	CHT			80 x 1,60

Work pieces:        

Tooth top view: 

in	Teeth per inch (tpi)						mm
	.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			CSP	DCS	DCS		54 x 1,60
2 5/8 x .063	DCS	CSP	DCS				67 x 1,60
3 1/8 x .063	DCS	CSP	DCS				80 x 1,60

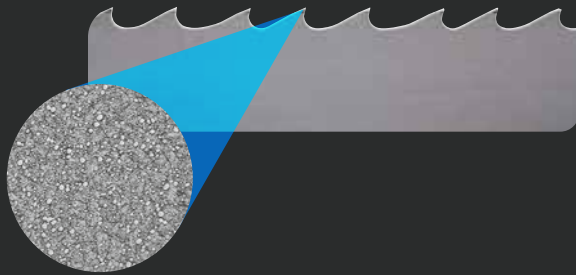
Work pieces:   

Tooth top view: 

in	Teeth per inch (tpi)						mm
	.65/.95	.75/1.25	1.1/1.5	1.4/2	2/3	3/4	
1 x .035						CHT	27 x 0,90
1 1/4 x .042					CHT	CHT	34 x 1,10
1 1/2 x .050				CHT	CHT	CHT	41 x 1,30
2 x .050				CHT	CHT		54 x 1,30
2 x .063			CHT	CHT	CHT		54 x 1,60
2 5/8 x .063	CHT	CHT	CHT	CHT			67 x 1,60
3 1/8 x .063	CHT	CHT	CHT	CHT			80 x 1,60

Experience more performance and precision with the X-Series

Nano-crystalline structure
Eberle X-Series



- constant hardness and toughness values
- micro-resistant, stable cutting edge
- top cutting accuracy
- reduced machine load
- greatly extended blade life



duoflex® GTX

Features:

- special alloyed micro-resistant cutting edge
- ground triple chip geometry
- excellent finish

Applications:

- large applications of mold steels
- alloys
- ≤ 50 HRC



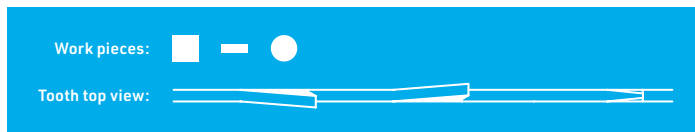
duoflex® MX55

Features:

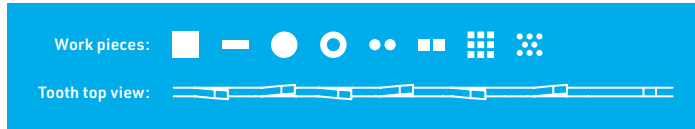
- special alloyed micro-resistant cutting edge
- positive rake angle
- general purpose capability

Applications:

- mild steels
- alloyed, stainless and heat resistant steels
- ≤ 49 HRC



in	Teeth per inch (tpi)					mm
	.75/1.25	1/1.3	1.4/2			
2 x .063		DCS	CSP	DCS		54 x 1,60
2 5/8 x .063		DCS	CSP	DCS		67 x 1,60
3 1/8 x .063		DCS	CSP	DCS		80 x 1,60



in	Teeth per inch (tpi)							mm
	.75/1.25	1/1.3	1.4/2	2/3	3/4	4/6	5/8	
1 x .035				DCS	DCS	CS	CS	27 x 0,90
1 1/4 x .042				DCS	DCS	CS		34 x 1,10
1 1/2 x .050			DCS	DCS	DCS	CS		41 x 1,30
2 x .063		CSP	DCS	DCS	DCS			54 x 1,60
2 5/8 x .063	DCS	CSP	DCS	DCS				67 x 1,60
3 1/8 x .063	DCS	CSP	DCS					80 x 1,60



NEW

duoflex® PT Plus

Features:

- aggressive and stable cutting edge
- impressive performance
- increased chip space volume for solid materials
- chip former for optimal chip flow

Applications:

- pipes
- profiles
- solid materials
- bundle cuts
- ≤ 44 HRC



duoflex® PT

Features:

- strong positive tooth geometry
- variable setting widths
- reduced vibration and tooth breakage

Applications:

- pipes and profiles
- tubes
- ≤ 44 HRC



duoflex® M42

Features:

- vibration resistant tooth edge
- zero and positive rake angles

Applications:

- variable and constant tooth pitches for universal applications
- mild steels
- structural steels
- alloys
- ≤ 44 HRC

in	Teeth per inch (tpi)														mm		
	3	4	6	8	10	14	.75/ 1.25	1.4/2	2/3	3/4	4/6	5/8	6/10	8/12		10/14	14/18
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	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	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									DCS	DCS	N/DCS	N/CS	N	N	N		34 x 1,10
1 1/2 x .050									DCS	DCS	DCS	N/CS	N				41 x 1,30
2 x .050									DCS	DCS	DCS	CS					54 x 1,30
2 x .063									DCS	DCS	DCS	CS					54 x 1,60
2 5/8 x .063									DCS	DCS	DCS	DCS					67 x 1,60
3 1/8 x .063									DCS	DCS							80 x 1,60

Work pieces:

Tooth top view:

in	Teeth per inch (tpi)					mm
	2/3	3/4	4/6			
3/4 x .035				CPS		20 x 0,90
1 x .035		CPS	CPS	CPS		27 x 0,90
1 1/4 x .042		CPS	CPS	CPS		34 x 1,10
1 1/2 x .050		CPS	CPS	CPS		41 x 1,30
2 x .050		CPS	CPS			54 x 1,30
2 x .063		CPS	CPS	CPS		54 x 1,60
2 5/8 x .063		CPS	CPS			67 x 1,60

Work pieces:

Tooth top view:

in	Teeth per inch (tpi)					mm
	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	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

Work pieces:

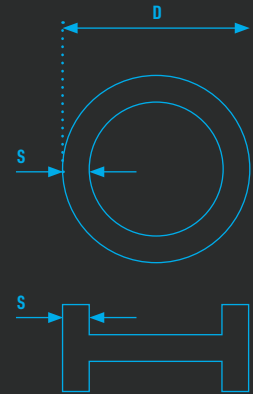
Tooth top view:

Cutting Recommendations

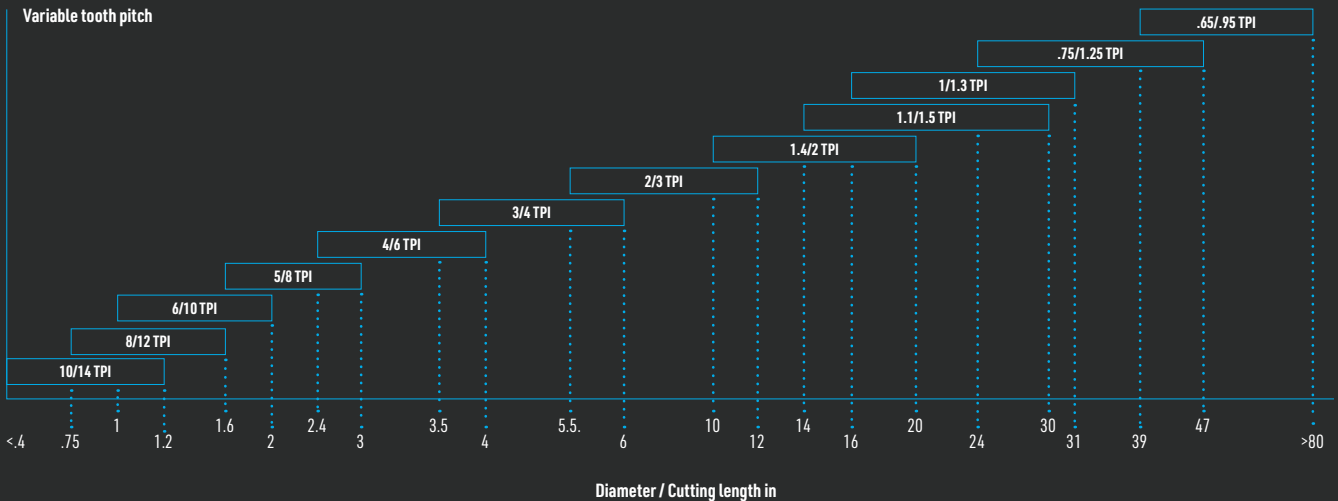
Find the right saw blade for your individual application

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	2/3	1.4/2	1.4/2
3							2/3	1.4/2	1.4/2	1.4/2	1/1.3
4								1.4/2	1.4/2	1/1.3	.75/1.25
6										.75/1.25	.75/1.25
>10										.75/1.25	.75/1.25



Cutting recommendations for solid material



Tooth forms



N-TOOTH | neutral rake angle

- short-chip materials
- small work pieces



CS-TOOTH | positive rake angle

- long-chip, tough materials
- universal application



DCS-TOOTH | positive rake angle

- heavy duty, high alloyed work pieces
- large cross-sections



CSP-TOOTH | positive rake angle

- austenitic materials
- nickel-based alloys



CPS-TOOTH | positive rake angle

- short- and long chip materials
- profiles, pipes, solid materials
- single, bundle and layer cutting



CST-TOOTH | positive rake angle

- short-chip materials
- profiles, tubes, bundles



CW-TOOTH | positive rake angle

- low-alloy materials, Aluminum
- mold construction, contours



CHT-TOOTH | variable, extremely positive rake angle

- hard-to-cut materials
- heat-treated steels
- large to very large work pieces



TR-TOOTH | variable rake angle

- heavy duty work pieces
- high cutting performance

Made for your satisfaction.

Put your trust in our experience

Our international distribution network is based on longterm partnerships with top-notch sawing specialists, who help solve your specific questions on various applications.

To place an order, please contact either your regional Eberle Distribution Center (EDC), local distributor/salesman or get in touch with our headquarters in Augsburg.

Current trade shows

See our trade show schedule directly linked to the event and to Google maps on our website: www.eberle-augsburg.com

Training

We offer band saw blade training to your company upon request. Just contact your Authorized Eberle Distributor or get in touch with our headquarters.

Technical advice

Should you have any questions about band saw applications or ways to optimize sawing processes, Eberle's expert team will provide competent support.

Eberle

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Quality products since 1836

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We look forward to your call.



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