

Eberle 09.21

1836.01

Made for performance.

Band saw blades made in Germany.

Carbide-tipped Blades

for extreme cutting applications



Square Steel

- square bar
- flat bar
- bundle single-layer

Round Steel

- round bar
- bundle single-layer

Tube

- thick-walled



CT-flex[®] nano coated

Features:

- 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



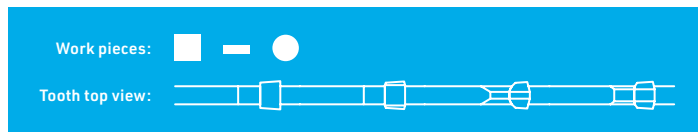
CT-flex[®] 3000

Features:

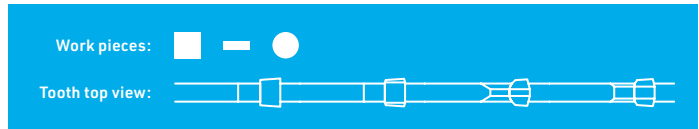
- CT3 geometry
- excellent performance
- short cycle times
- high stability

Applications:

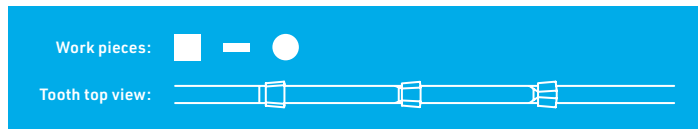
- hard-to-cut materials
- ≤ 65 HRC



mm	Teeth per inch (tpi)						in
	0,75/1,25	1/1,3	1,4/2	2/3	3/4		
41 x 1,30			TR	TR	TR •		1 1/2 x .050
54 x 1,60		TR •	TR	TR			2 x .063
67 x 1,60	TR •	TR •	TR				2 5/8 x .063
80 x 1,60	TR		TR •				3 1/8 x .063



mm	Teeth per inch (tpi)							in
	0,75/1,25	1/1,3	1,4/2	2/3	3	3/4		
20 x 0,90						TR		3/4 x .035
27 x 0,90				TR	TR	TR		1 x .035
34 x 1,10				TR	TR	TR		1 1/4 x .042
41 x 1,30			TR	TR		TR		1 1/2 x .050
54 x 1,60	TR	TR	TR	TR				2 x .063
67 x 1,60	TR	TR	TR					2 5/8 x .063
80 x 1,60	TR		TR					3 1/8 x .063



mm	Teeth per inch (tpi)					in
	0,75/1,25	1/1,3	1,4/2	2/3		
34 x 1,10				TR		1 1/4 x .042
41 x 1,30			TR	TR		1 1/2 x .050
54 x 1,60	TR	TR	TR			2 x .063
67 x 1,60	TR	TR	TR			2 5/8 x .063
80 x 1,60	TR		TR			3 1/8 x .063



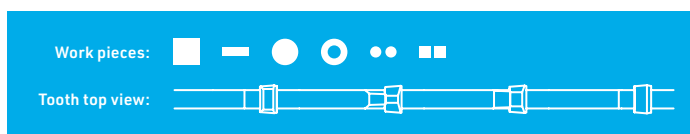
CT-flex® CHM

Features:

- negative rake angle
- superior performance
- extreme wear resistance

Applications:

- case hardened and chrome plated materials
- ≤ 65 HRC



mm	Teeth per inch (tpi)						in
	0,75/1,25	1,3	1,4/2	2/3	3	3/4	
27 x 0,90					TRN		1 x .035
34 x 1,10			TRN	TRN			1 1/4 x .042
41 x 1,30				TRN			1 1/2 x .050



CT-flex® ALU

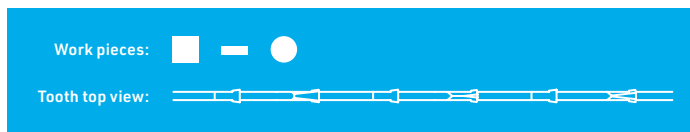
Features:

- reduced feed force
- free cutting
- optimized for manual feed
- minor material loss and improved chip formation due to reduced kerf width of 2,00 mm

Applications:

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

- optional kerf width of 2,00 mm or 2,50 mm



mm	Teeth per inch (tpi)						in
	0,75/1,25	1,3	1,4/2	2/3	3/4		
27 x 0,90					TR	TR	1 x .035
34 x 1,10					TR	TR	1 1/4 x .042
41 x 1,30			TR	TR	TR		1 1/2 x .050
54 x 1,60	TR •	TR •	TR •				2 x .063
67 x 1,60	TR •	TR •	TR •				2 5/8 x .063
80 x 1,60	TR •						3 1/8 x .063



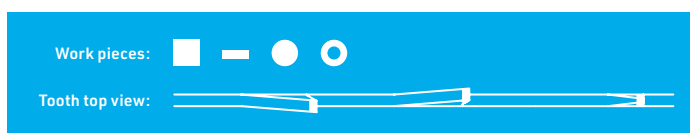
CT-flex® Pro

Features:

- set tooth
- minor vibration development

Applications:

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



mm	Teeth per inch (tpi)						in
	0,75/1,25	1,4/2	2/3	3	3/4		
27 x 0,90					ST	ST	1 x .035
34 x 1,10				ST	ST		1 1/4 x .042
41 x 1,30			ST	ST			1 1/2 x .050
54 x 1,60			ST				2 x .063
67 x 1,60	ST						2 5/8 x .063

ST = set tooth

Bimetal Blades

for high-performance cutting



nanoflex[®] VTX coated

Features:

- TiAlN-coating
- strong positive rake angle
- special alloyed microresistant cutting edge
- variable tooth height

Applications:

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



nanoflex[®] Black coated

Features:

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

Applications:

- universal applications
- ≤ 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



duoflex[®] VTX

Work pieces:

Tooth top view:

mm	Teeth per inch (tpi)						in
	0,65/0,95	0,75/1,25	1,1/1,5	1,4/2	2/3	3/4	
27 x 0,90						CHT	1 x .035
34 x 1,10					CHT	CHT	1 1/4 x .042
41 x 1,30					CHT	CHT	1 1/2 x .050
54 x 1,30					CHT	CHT	2 x .050
54 x 1,60			CHT	CHT	CHT		2 x .063
67 x 1,60	CHT	CHT	CHT	CHT			2 5/8 x .063
80 x 1,60	CHT	CHT	CHT	CHT			3 1/8 x .063

Work pieces:

Tooth top view:

mm	Teeth per inch (tpi)						in
	0,75/1,25	1/1,3	1,4/2	2/3	3/4		
41 x 1,30			DCS	DCS	DCS		1 1/2 x .050
54 x 1,60			CSP	DCS	DCS		2 x .063
67 x 1,60		DCS	CSP	DCS			2 5/8 x .063
80 x 1,60		DCS	CSP	DCS			3 1/8 x .063

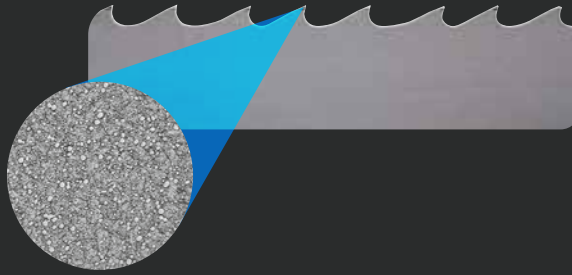
Work pieces:

Tooth top view:

mm	Teeth per inch (tpi)						in
	0,65/0,95	0,75/1,25	1,1/1,5	1,4/2	2/3	3/4	
27 x 0,90						CHT	1 x .035
34 x 1,10					CHT	CHT	1 1/4 x .042
41 x 1,30					CHT	CHT	1 1/2 x .050
54 x 1,30					CHT	CHT	2 x .050
54 x 1,60			CHT	CHT	CHT		2 x .063
67 x 1,60	CHT	CHT	CHT	CHT			2 5/8 x .063
80 x 1,60	CHT	CHT	CHT	CHT			3 1/8 x .063

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:

- ground triple chip tooth geometry
- excellent surface finish
- micro-resistant cutting edge

Applications:

- large applications
- ≤ 50 HRC



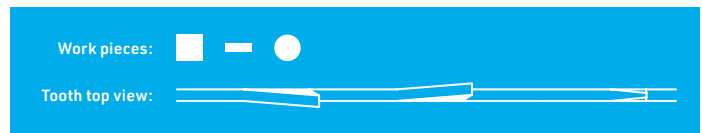
duoflex® MX55

Features:

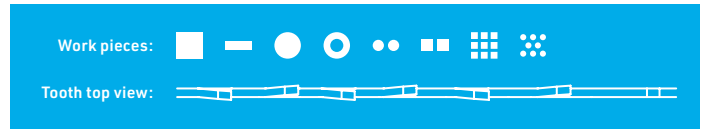
- resistant against interrupted cuts
- micro-resistant cutting edge

Applications:

- hard-to-cut materials, e. g. Duplex - and heat resistant steel
- Aluminum bronze
- tempered steel
- ≤ 49 HRC



mm	Teeth per inch (tpi)							in
	0,75/1,25	1/1,3	1,4/2					
54 x 1,60		DCS	CSP	DCS				2 x .063
67 x 1,60		DCS	CSP	DCS				2 5/8 x .063
80 x 1,60		DCS	CSP	DCS				3 1/8 x .063



mm	Teeth per inch (tpi)								in
	0,75/1,25	1/1,3	1,4/2	2/3	3/4	4/6	5/8		
27 x 0,90				DCS	DCS	CS	CS		1 x .035
34 x 1,10				DCS	DCS	CS			1 1/4 x .042
41 x 1,30			DCS	DCS	DCS	CS			1 1/2 x .050
54 x 1,60		CSP	DCS	DCS	DCS				2 x .063
67 x 1,60	DCS	CSP	DCS	DCS					2 5/8 x .063
80 x 1,60	DCS	CSP	DCS						3 1/8 x .063



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 Plus



duoflex® PT

Features:

- highest cutting performance in interrupted cuts
- reduced vibration
- resistant to tooth breakage

Applications:

- pipes
- tubes
- profiles
- ≤ 44 HRC



duoflex® M42

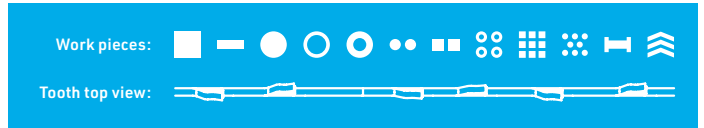
Features:

- efficient and powerful
- vibration resistant tooth edge

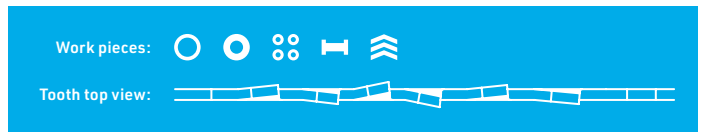
Applications:

- universal applications
- ≤ 44 HRC

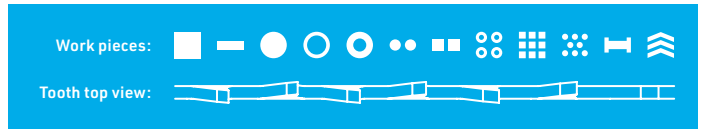
mm	Teeth per inch (tpi)														in		
	3	4	6	8	10	14	0,75/ 1,25	1,4/2	2/3	3/4	4/6	5/8	6/10	8/12		10/14	14/18
6 x 0,90		CW	CW		N	N									N		1/4 x .035
10 x 0,90		CW	CW		N	N									N		3/8 x .035
13 x 0,65		CW	CW		N	N							N	N	N	N	1/2 x .025
13 x 0,90	CW	CW	CW	N	N	N						N	N	N			1/2 x .035
20 x 0,90					N	N					N/CS	N	N	N	N		3/4 x .035
27 x 0,90	DCS	CS	N						DCS	N/DCS	N/CS/ DCS	N/CS	N	N	N		1 x .035
34 x 1,10								DCS	DCS	N/DCS	N/CS	N	N	N			1 1/4 x .042
41 x 1,30								DCS	DCS	DCS	N/CS	N					1 1/2 x .050
54 x 1,30								DCS	DCS	DCS	CS						2 x .050
54 x 1,60							DCS	DCS	DCS	DCS	CS						2 x .063
67 x 1,60							DCS	DCS	DCS	DCS							2 5/8 x .063
80 x 1,60							DCS	DCS									3 1/8 x .063



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



mm	Teeth per inch (tpi)					in
	2/3	3/4	4/6	5/8	8/12	
20 x 0,90					CST	3/4 x .035
27 x 0,90	CST	CST	CST	CST	CST	1 x .035
34 x 1,10	CST	CST	CST	CST		1 1/4 x .042
41 x 1,30	CST	CST	CST	CST		1 1/2 x .050
54 x 1,60	CST	CST	CST			2 x .063
67 x 1,60	CST	CST				2 5/8 x .063

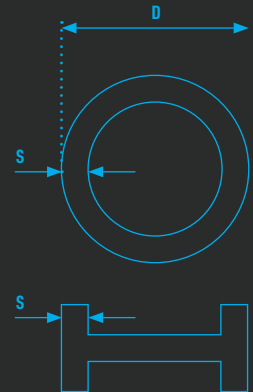


Cutting Recommendations

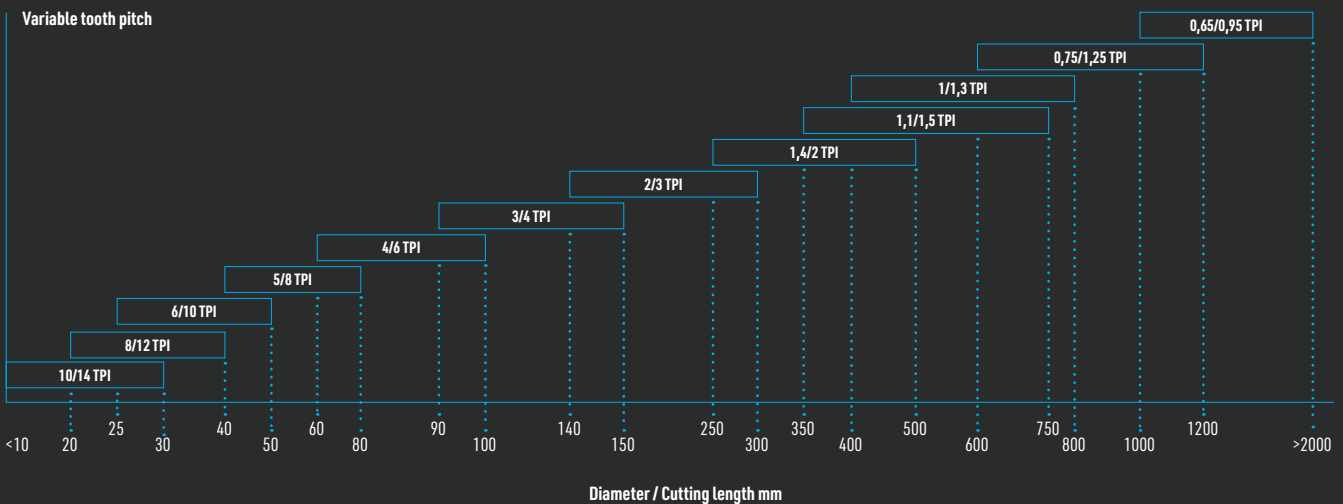
Find the right saw blade for your individual application

Cutting recommendations for tubes and profiles

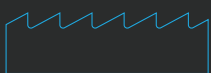
D mm	20	40	60	80	100	150	200	300	400	500	>700
S mm	Teeth per inch (tpi)										
2	14	14	14	14	10/14	10/14	10/14	10/14	8/12	8/12	6/10
3	14	10/14	10/14	8/12	8/12	8/12	6/10	6/10	6/10	6/10	6/10
4	14	10/14	10/14	8/12	8/12	6/10	6/10	5/8	5/8	4/6	4/6
5	14	10/14	10/14	8/12	6/10	6/10	5/8	4/6	4/6	4/6	4/6
6	14	10/14	8/12	8/12	6/10	5/8	5/8	4/6	4/6	4/6	4/6
8	14	8/12	6/10	6/10	6/10	5/8	5/8	4/6	4/6	4/6	4/6
10		6/10	6/10	5/8	5/8	4/6	4/6	4/6	4/6	3/4	3/4
12		6/10	5/8	4/6	4/6	4/6	4/6	3/4	3/4	3/4	3/4
15				4/6	4/6	3/4	3/4	3/4	3/4	2/3	2/3
20				4/6	4/6	3/4	3/4	3/4	3/4	2/3	2/3
30				3/4	3/4	3/4	2/3	2/3	2/3	2/3	1,4/2
50						2/3	2/3	2/3	2/3	1,4/2	1,4/2
80						2/3		1,4/2	1,4/2	1,4/2	1/1,3
100								1,4/2	1,4/2		0,75/1,25
150										0,75/1,25	0,75/1,25
>250										0,75/1,25	0,75/1,25



Cutting recommendations for solid material



Tooth forms



N-TOOTH | neutral rake angle

- short-chip materials
- small work pieces



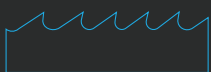
CS-TOOTH | positive rake angle

- long-chip, tough materials
- universal application



DCS-TOOTH | positive rake angle

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



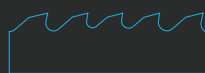
CSP-TOOTH | positive rake angle

- 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 longstanding partnerships with top-notch sawing specialists who help solve your specific questions regarding various applications.

To place an order, please contact either your regional Eberle Exclusive Agent (EEA), local distributor, the Eberle branch responsible for you or get in touch with our headquarter 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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We look forward to your call.



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