



**KINKELDER**<sup>®</sup>  
the cutting experts

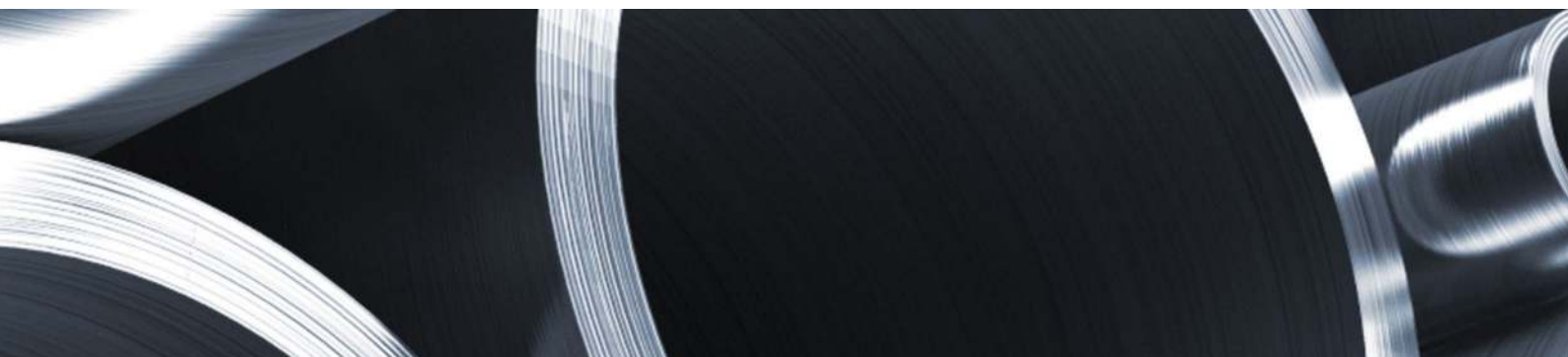
# CHAMPION



## **TCT SERIES** **CHAMPION**

The best choice for high volume  
steel tube and solid cutting

# The top performers on hard tubes



With a new carbide grade, PVD coating, body design and tooth geometry, the Champion TL saw blade series embodies our latest innovations for high performance TCT tube cutting.

The Champion TL saw blade has been designed to cut tubes with tensile up to 850 N/mm<sup>2</sup> on high output / high quality stationary sawing machines. Due to a new carbide grade, a new PVD coating to obtain a very smooth surface finish and a new tooth geometry and body design for better chip evacuation, this Champion saw blade has an improved blade life of typically 50% and more compared to CX 3.

<b>APPLICATIONS</b>	Cutting steel tubes with a tensile strength up to 850 N/mm <sup>2</sup>
<b>PARAMETERS</b>	Suggested cutting speed: 180 – 280 m/min. Feed: 0.04 – 0.24 mm/tooth
<b>MACHINES</b>	Stationary high output / heavy duty automatic sawing machines like Rattunde, Sinico, Bewo, RSA, Soco, Adige, Tsune

*Note: Respect 10% fill ratio, use wire brush and high quality oil.*



A dedicated Champion TL Multi saw blade has been developed for multiple tube cutting with a tensile strength of 400 – 800 N/mm<sup>2</sup>. This blade type is specifically suited for Rattunde Twin machines but also for other applications where multiple tubes are being cut, such as the BEWO, RSA and Sinico machines.

<b>APPLICATIONS</b>	Cutting multiple steel tubes at once with a tensile strength of 400 – 800 N/mm <sup>2</sup> on high output / heavy duty multi-cut machines
<b>PARAMETERS</b>	Suggested cutting speed: 180 – 290 m/min. Feed: 0.03 – 0.19 mm/tooth
<b>MACHINES</b>	Sawing machines designed for multiple tube cutting, such as Rattunde Twin, BEWO, RSA, Soco and Sinico machines. Our experts can advise you regarding ideal parameters for your specific application.

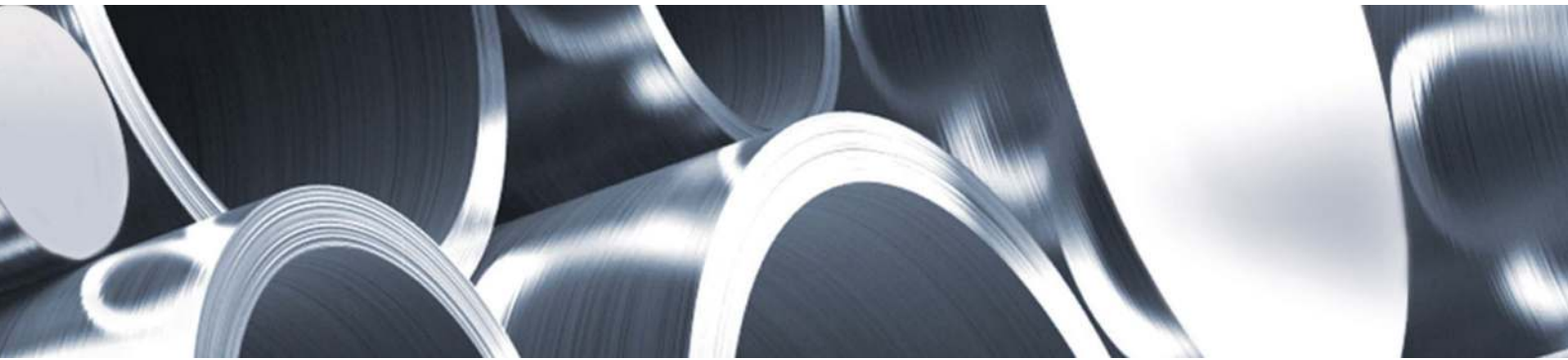
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For more information:

[www.kinkelder.com](http://www.kinkelder.com)



# Unbeatable in solid and tube cutting



The Champion SL saw blade achieves extended blade life at solid cutting by combining the performance advantages of Cermet with the latest PVD coating technology.

## Advantages

The Champion SL saw blade offers the following benefits:

- High blade life
- Low noise
- Smooth surface
- Low cost per cut

<b>APPLICATIONS</b>	High performance cutting of low and medium strength solid steel bars with a tensile strength of 400 - 800 N/mm <sup>2</sup> with high requirements on surface quality and straightness
<b>PARAMETERS</b>	Suggested cutting speed: 100 - 280 m/min. Feed: 0,04 - 0,11 mm/tooth.
<b>MACHINES</b>	Rattunde, Kasto, Nishijima, Tsune, Behringer, Mega, Exactcut, Everising, Soco and other automatic sawing machines

*Note: Respect 10% fill ratio, use wire brush and high quality oil.*



Champion TH has been developed to cut thin walled tubes with tensile strengths up to 1,800 N/mm<sup>2</sup>. The Champion TH saw blade can cope with the following 3 extreme cutting conditions:

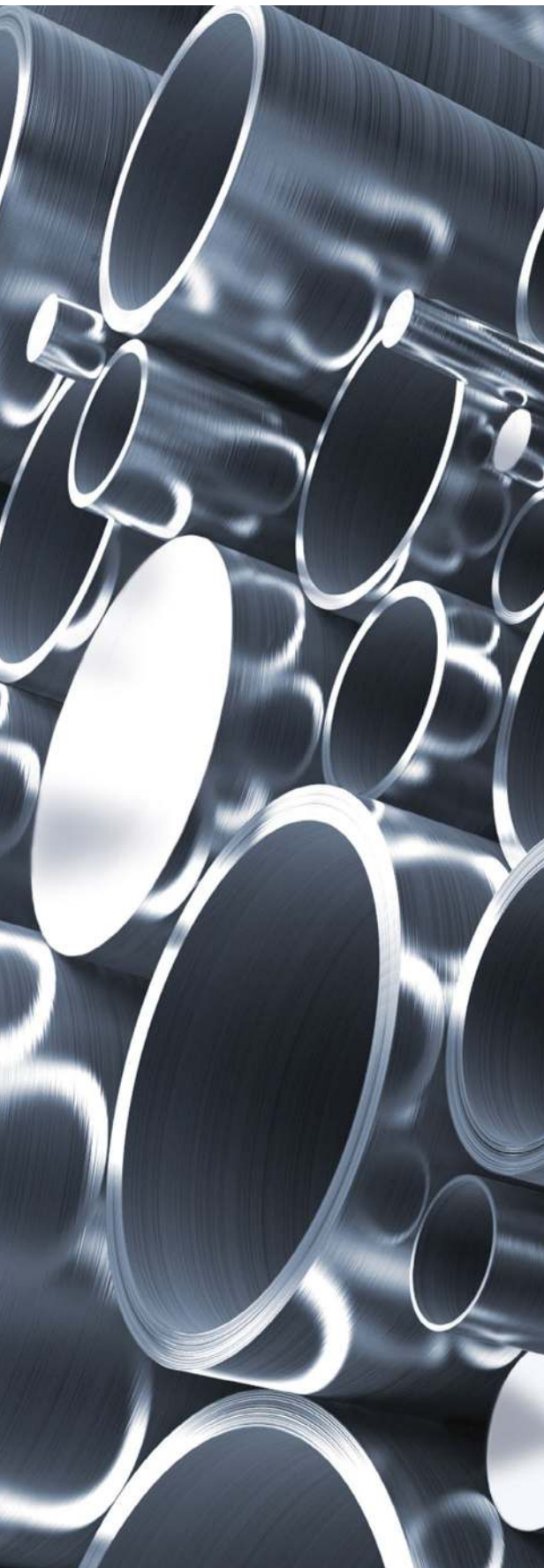
- Cutting tubes with tensile strengths up to 1,800 N/mm<sup>2</sup>
- Cutting speeds up to 350 m/min
- Very high feed rates

<b>APPLICATIONS</b>	Thin walled steel tubes with a tensile strength up to 1,800 N/mm <sup>2</sup>
<b>PARAMETERS</b>	Suggested cutting speed: 200 - 350 m/min. Feed: 0,04 - 0,2 mm/tooth
<b>MACHINES</b>	Rattunde, Sinico, Bewo, RSA, Adige, Soco

*Note: Respect 10% fill ratio, use wire brush and high quality oil.*



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