



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

# CX SERIES



**CX SERIES**

**TCT SERIES**

The new standard in TCT cutting

# The cutting edge for solids



The PVD coated, carbide tipped CX 1 saw blade has been developed for cutting solid steel with tensile strengths between 800 - 1,600 N/mm<sup>2</sup> at very high production rates. Bigger tips are applied at pitches > 9mm for added stability.

**MATERIALS:** Hard solid steel with a tensile strength between 800 and 1,600 N/mm<sup>2</sup> on high performance machines

**PARAMETERS:** Suggested cutting speed: 120 - 240 m/min. Feed: 0,04 - 0,10 mm/tooth.

**MACHINES:** Kasto, FongHo, Tsune, Amada, Eisele, Behringer, Bewo, Rattunde, Sinico, Nishijima, Everising, Ficep, Mega, Exactcut



CX 6 saw blades are carbide tipped and PVD coated for cutting solid stainless steel. With their proprietary geometry, very fast cutting and good surface finish can be achieved. Depending on steel grade and dimensions, dedicated tooth geometries are available.

**MATERIALS:** Austenitic stainless steel solids

**PARAMETERS:** Suggested cutting speed: 80 - 120 m/min. Feed: 0,06 - 0,12 mm/tooth.

**MACHINES:** Tsune, Amada, Mega, Kasto, Kentai, Behringer, Exactcut, Everising



CX 7 is a Cermet tipped, PVD coated saw blade dedicated to cut low to medium strength carbon steel. On many applications, a blade life of 50 m<sup>2</sup> and more can be achieved.

**MATERIALS:** Solid materials with a tensile strength up to 800 N/mm<sup>2</sup>

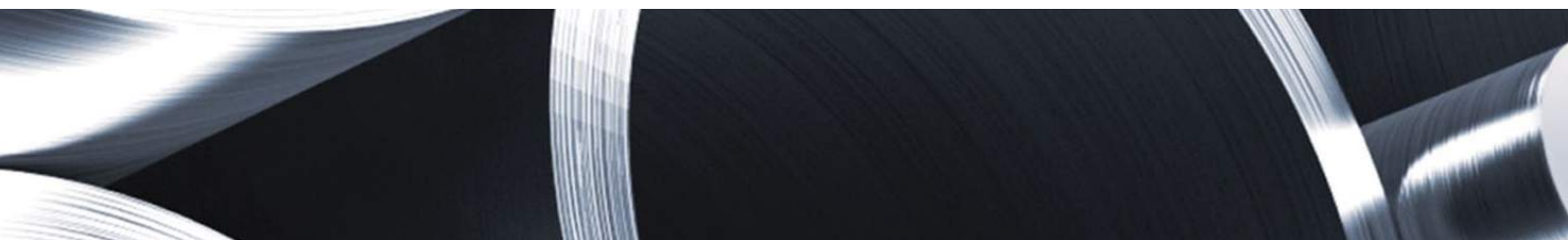
**PARAMETERS:** Suggested cutting speed: 80-140 m/min. Feed: up to 0,10 mm/tooth.

**MACHINES:** Kasto, Nishijima, Tsune, Amada, Behringer, RSA, Rattunde, Sinico, Mega, Exactcut, Everising

For more information:

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

# High performance tube cutting



The CX 3 saw blade has been developed for cutting tubes on high performance automatic sawing machines, at a higher maximum cutting speed than with HSS saw blades. It is most effective on sawing machines with accurate control of chip load and variable feed rate. Bigger tips are applied at pitches > 9mm for added stability.

**MATERIALS:** Steel tubes with a tensile strength between 600 to 1,500 N/mm<sup>2</sup>

**PARAMETERS:** Suggested cutting speed: 180 - 280 m/min. Feed: 0,04 - 0,16 mm/tooth.

**MACHINES:** Rattunde, Sinico, Bewo, RSA, Plantool, Adige, OMP



The high nickel content of austenitic stainless steel tubes makes them difficult to cut with HSS saw blades. With the dedicated tooth geometry of the carbide tipped and PVD coated CX 4 saw blade, perfect surface finish and burr-free tube ends will be achieved.

**MATERIALS:** Austenitic stainless steel tubes

**PARAMETERS:** Suggested cutting speed: 80 - 140 m/min. Feed: 0,06 - 0,12 mm/tooth.

**MACHINES:** Rattunde, Bewo, RSA, Sinico



The CX 5 saw blade has been specifically designed to cut thin walled tubes. Because of its light cutting properties it is also very well suited for use on a wide range of automatic cut-off machines.

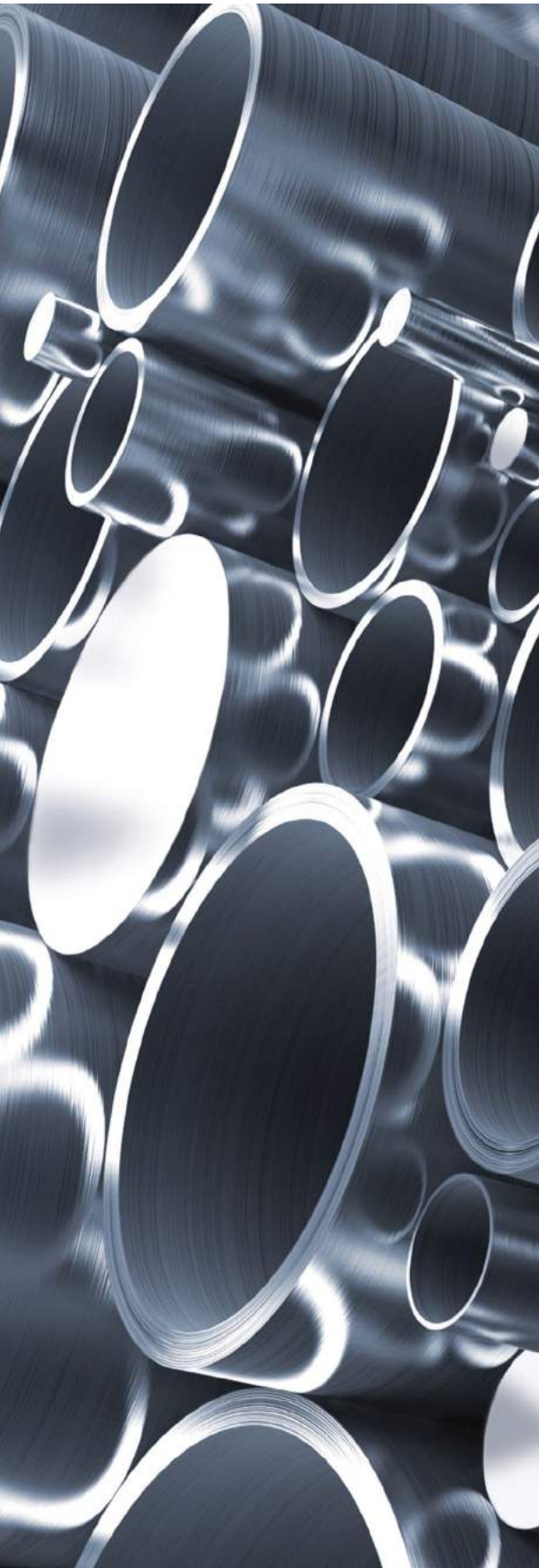
**MATERIALS:** Thin wall high hardness tube cutting on lighter machines. High performance cutting of thin walled tubes and unstable profiles on high-end machines.

**PARAMETERS:** Suggested cutting speed: 160 - 280 m/min. Feed: 0,025 - 0,12 mm/tooth.

**MACHINES:** Kasto, Bewo, RSA, Adige, Sinico, Rattunde



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