



KINKELDER[®]
the cutting experts

CHAMPION



CHAMPION **TCT SERIES**

The best choice for high volume
steel tube and solid cutting

Unbeatable in solid 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
- Smooth surface
- Low noise
- Low cost per cut

APPLICATIONS: High performance cutting of low and medium strength solid steel bars with a tensile strength of 400 - 800 N/mm² with high requirements on surface quality and straightness

PARAMETERS: Suggested cutting speed: 100 - 280 m/min.
Feed: 0,04 - 0,11 mm/tooth.

MACHINES: Rattunde, Kasto, Nishijima, Tsune, Behringer, Mega, Exactcut, Everising and other automatic sawing machines

TYPICAL APPLICATION EXAMPLES CHAMPION SL

| Machines | Material | Dimensions (mm) | Tensile strength (N/mm ²) | Cutting speed (m/min) | Tooth load (mm/tooth) | Blade life (m ²) |
|-----------|----------|-----------------|---------------------------------------|-----------------------|-----------------------|------------------------------|
| Rattunde | Solid | Ø 45 | 600 | 240 | 0,04 / 0,07 | 86 |
| Behringer | Solid | Ø 65 | 650 | 160 | 0,1 | 52 |
| Everising | Solid | Ø 120 | 700 | 140 | 0,07 | 52 |

For more information:

www.kinkelder.com

The top performers on hard tubes



Champion TL is our latest saw blade, designed for cutting tubes with tensile strength of 600 – 1,100 N/mm² on high output/high quality saw machines.

APPLICATIONS: Cutting steel tubes with a tensile strength up of 600 – 1,100 N/mm²

PARAMETERS: Suggested cutting speed: 180 – 280 m/min. Feed: 0.04 – 0.12 mm/tooth

MACHINES: Rattunde, Sinico, Bewo, RSA, Adige, Tsune



Champion TH has been developed to cut thin walled tubes with tensile strengths up to 1,800 N/mm². The Champion TH saw blade can cope with the following 3 extreme cutting conditions:

- Cutting tubes with tensile strengths up to 1,800 N/mm²
- Cutting speeds up to 350 m/min
- Very high feed rates

APPLICATIONS: Thin walled steel tubes with a tensile strength up to 1,800 N/mm²

PARAMETERS: Suggested cutting speed: 200 - 350 m/min. Feed: 0,04 - 0,2 mm/tooth.

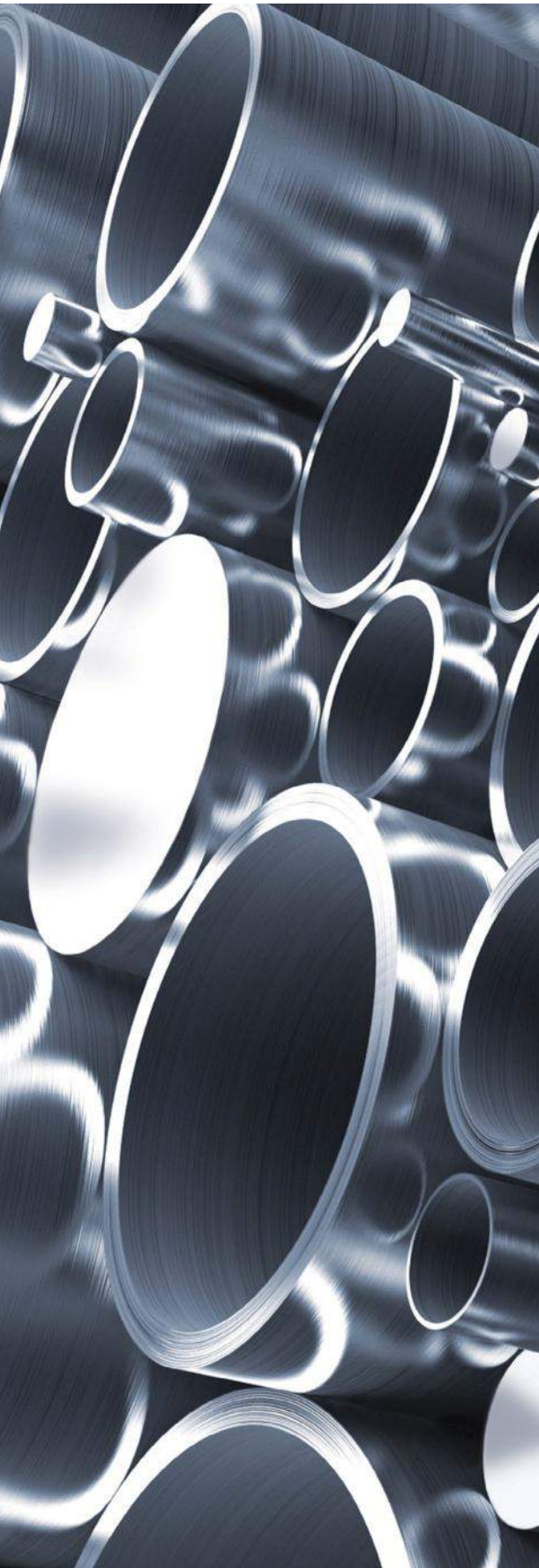
MACHINES: Rattunde, Sinico, Bewo, RSA, Adige

TYPICAL APPLICATION EXAMPLES CHAMPION TL & TH

| Type of saw blade | Material | Dimensions (mm) | Tensile strength (N/mm ²) | Cutting speed (m/min) | Tooth load (mm/tooth) | Blade life (m ²) |
|-------------------|----------------|-----------------|---------------------------------------|-----------------------|-----------------------|------------------------------|
| Champion TL | Tube, 26MnB5+N | 32,5 x 5 | 600 - 700 | 260 | 0,02 / 0,085 | 13,4 |
| Champion TL | Tube, 34mnB5+C | 46 x 4,05 | 600 - 700 | 260 | 0,03 / 0,13 | 9,1 |
| Champion TH | Seamless tube | 25 x 3,25 | 750 | 275 | 0,04 / 0,095 | 15 |
| Champion TH | Welded tube | 42 x 3,0 | 700 | 260 | 0,06 / 0,2 | 10 |
| Champion TH | Seamless tube | 44 x 3,0 | 1,400 | 240 | 0,06 / 0,18 | 12 |



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