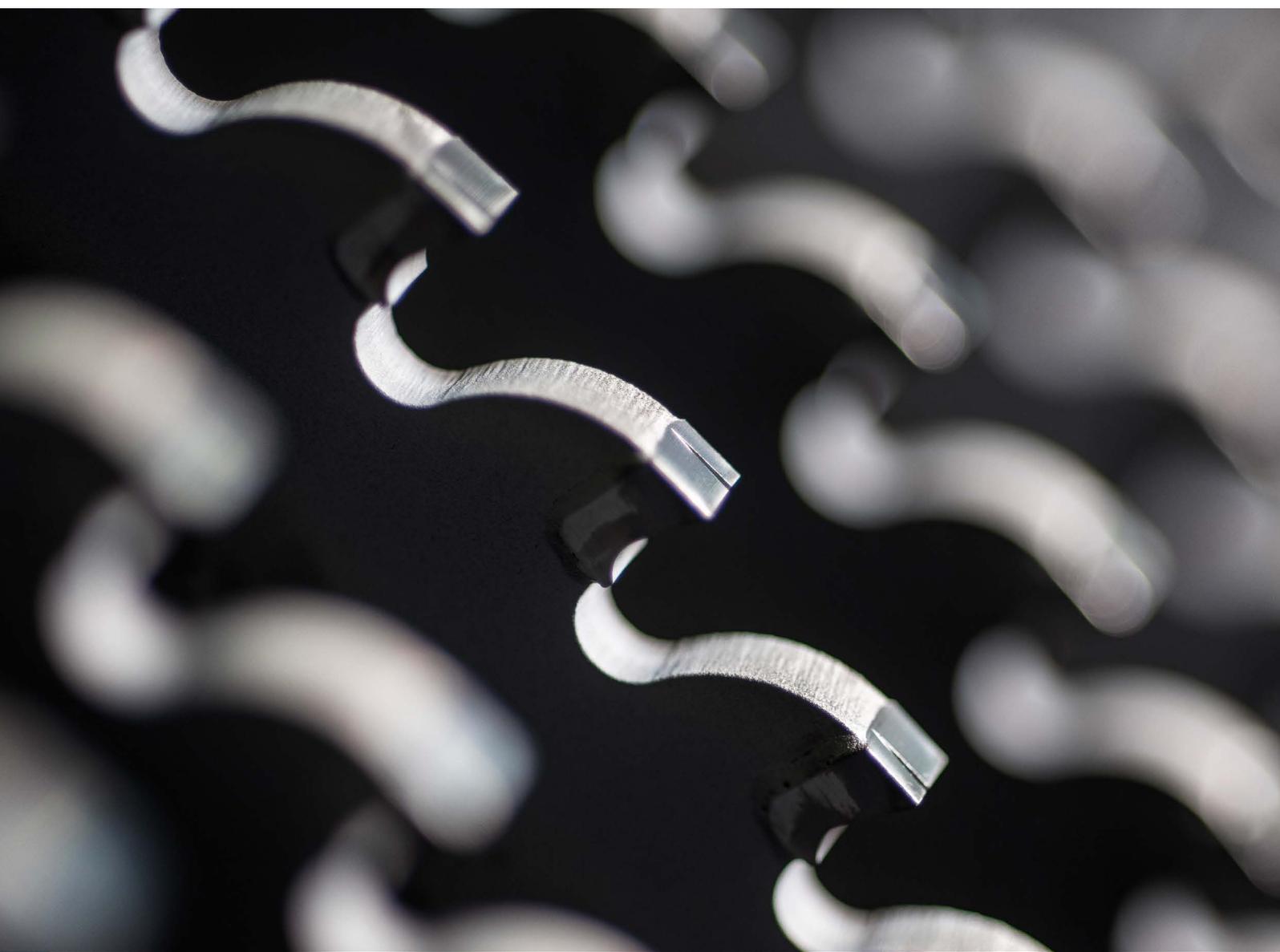


KINKELDER



**EXPLORE THE
WORLD OF KINS'**

The art of cutting steel



INTERACTION OF MATERIAL PROPERTIES, SAW BLADES, MACHINES, AND OPERATOR

For over five decades, KINKELDER has been dedicated to the development of circular saw blades for cutting steel. With production facilities in both Europe and America, KINKELDER has built an international network with sales and services offices worldwide.

Improve production efficiency

Cutting steel solids or tubes is a precision job and there are many variables involved such as material properties, selecting the right saw blade, cutting parameters, machine, and operator makes it complex to improve the production and efficiency. KINKELDER offers products and services to excel your cutting process.

A profitable cutting process

Circular saws for steel cutting are predominantly favored in production facilities in which productivity and speed is important. Circular saws are used in highly productive industries in which a focus on the total cost of ownership is an important determinant for being successful. Often the cutting process is the bottleneck for production, and solving this blockage can contribute significantly to the profitability.

Solutions for challenges in the steel cutting industry

In this perspective, uptime of the cutting process and blade life are crucial for an economic cutting process, affecting both cutting productivity, cost of tooling and reduction of waste. Therefore, the focus of KINKELDER is to improve blade life and seek solutions for the challenges the steel cutting industry is facing.



THE RIGHT **SAW BLADE
FOR EVERY TYPE OF
STEEL AND SHAPE**

Each kind of application or material requires another type of saw blade. KINKELDER developed a broad range of products serving the steel tube industry from tube mills down to steel service centers and specialized producers of steel products. Each saw blade is tailored to steel type, machine and product application. The saw blades are used in various industries where production efficiency are leading, ranging from tube mills, construction, automotive, mechanical engineering to oil, gas and other metal products.

TUBE FLYING CUT-OFF



FLYING CUT OFF

KINKELDER provides several solutions for the steel industry. For the efficient production of steel tubes, KINKELDER offers a range of products dedicated to the flying cut-off process. This specific process involves a cutting mechanism that is synchronized with the speed of the moving tube. As the tube moves along the production line, the cutting mechanism rapidly and precisely cuts the tube at the desired length. We distinguish 3 production applications which need their own special blade:



SINGLE TWIN



SCARF TUBE



ORBITAL

The single / twin saw cutting tube lines, tube lines which remove inside scarf and orbital tube lines.

TUBE STATIONARY



TUBE STATIONARY CUT-TO-LENGTH

Machines designed for cutting steel tubes that remain stationary during the cutting process, achieve precise and consistent cuts in steel tubes. The precision of the cut depends on the specific material being cut. We divide 5 different applications which distinguish themselves in material properties as type of steel and tensile strength of work piece as the geometries of the material to be cut, like multi tubes or thin tubes.



LOW-MEDIUM TENSILE



HIGH TENSILE



AUSTENITIC STAINLESS STEEL



THIN TUBE



MULTI

SOLID STATIONARY



SOLID STATIONARY CUT-TO-LENGTH

Circular saws equipped with carbide-tipped or high-speed steel blades are also employed for cutting steel solids and bars into desired lengths. These saws provide efficient cutting with high precision. We divide this product group into 4 different applications, which distinguish themselves by material properties as tensile strength of the work piece and type of steel.



LOW TENSILE



MEDIUM TENSILE



HIGH TENSILE



STAINLESS STEEL

WIDE RANGE OF SAW BLADES

Discover our extensive selection of circular saw blades designed for cutting various types of steel and profiles with precision. Our range includes TCT flying cut-off blades, TCT tube stationary blades, TCT solid stationary blades, as well as HSS and segmental saw blades for cutting steel.

To enhance user experience, we've organized these blades into distinct groups, each with a clear and descriptive name. Additionally, for your convenience, we've assigned unique colors to each group, making it easier to identify and select the right saw blades for your specific needs.

Should you require assistance or guidance in choosing the most suitable saw blade for your application, our team of experienced application engineers is readily available to provide support. We understand the importance of selecting the right tool for the job, and we are committed to ensuring that you receive the highest level of expertise and service.

Our expertise and quality products will optimize your cutting processes by achieving superior results. Explore our range of circular saw blades today and experience the difference in performance and efficiency by tomorrow.

TCT FLYING CUT-OFF

KINS' ORANGE

TCT SOLIDS STATIONARY

KINS' RED

TCT TUBES STATIONARY

KINS' BLUE

HSS

KINS' GREEN

SEGMENTAL

KINS' YELLOW

TCT TUBE FLYING CUT-OFF - KINS' ORANGE

KINKELDER offers a product range of reliable and high quality TCT saw blades for flying cut-off applications.



TCT



FLYING CUT OFF

KINS' ORANGE

KINS' ORANGE SPEEDMASTER

KINS' ORANGE SPEEDMASTER PERFORMANCE

KINS' ORANGE SCARFMASTER LMT

KINS' ORANGE SCARFMASTER HT

KINS' ORANGE ORBITALMASTER PRO

KINS' ORANGE ORBITALMASTER STAINLESS



KINS' ORANGE SpeedMaster

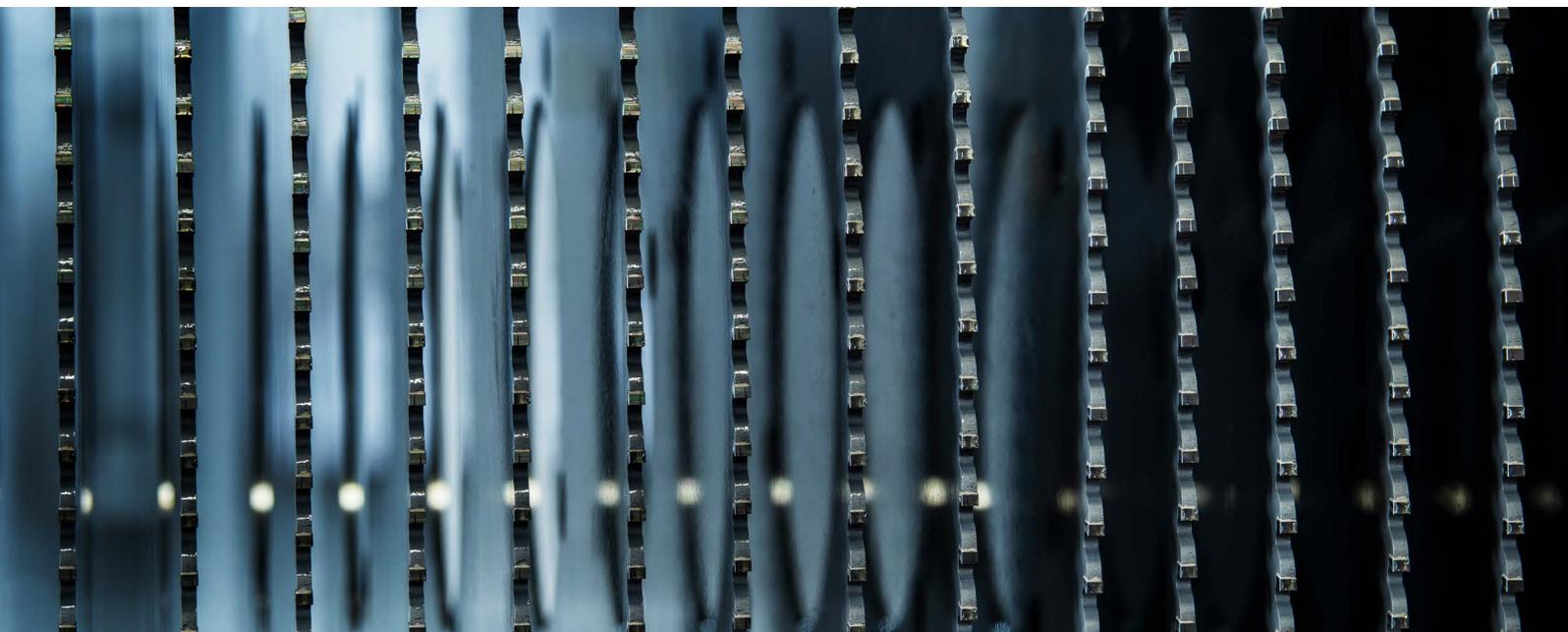
SINGLE
TWINLOW-MEDIUM
HIGH TENSILE

Exceptionally high line speed and ultimate flying cut-off solution. With fast cutting times, it enables an extraordinary high line speed and ensures a pristine surface finish with minimum cuts burr.

APPLICATIONS: Single and twin flying cut-off machines for TCT with no ID-scarf. Tubes with a tensile strength up to 1,000 N/mm².

PARAMETERS: Cutting speeds 250 - 400 m/min, and a tooth load ranging from 0.04-0.10 mm/tooth.

MACHINES: These saw blades are available for flying cut-off machines: Fives OTO, MTM, ASMAG/SEUTHE, Olimpia80, Elmaksan and many more.





KINS' ORANGE SpeedMaster Performance



THIN TUBE



PROFILE



SINGLE TWIN

SINGLE TWIN

Applying a smaller tooth pitch than the standard KINS' ORANGE SpeedMaster, it delivers shorter cutting times on carbon steel rectangular or square hollow sections and thin-walled tubes. Applicable on low, medium and high tensile strength steels for single and twin flying cut-off machines, including direct forming lines. The KINS' ORANGE SpeedMaster Performance enables high lines speeds and/or short cutting lengths while offering excellent blade life.

Our application engineers can support you in finding the ideal parameters for your specific flying cut-off application.

APPLICATIONS: Single and twin flying cut-off machines for TCT with no ID-scarf. Hollow sections and thin-walled tubes with a tensile strength up to 1,200 N/mm².

PARAMETERS: Cutting speeds 250 - 400 m/min and a variable tooth load ranging from 0.04 mm/tooth up to 0.20 mm/tooth

MACHINES: These saw blades are available for flying cut-off machines: Fives OTO Mills, MTM, ASMAG/SEUTHE, Olimpia80, Nakata, Mair and Elmaksan



KINS' ORANGE ScarfMaster LMT



SCARF TUBE



LOW-MEDIUM TENSILE



SINGLE TWIN

SINGLE TWIN

With its robust saw body, the saw teeth receive maximum support, ensuring a stable and fracture-resistant combination. This results in a significantly extended blade life, even under extraordinary line speeds, contributing to increased uptime.

APPLICATIONS: Single and twin flying cut-off machines for TCT. Cutting low- to medium-tensile precision tubes with a tensile strength of up to 1,000 N/mm² and heavy ID scarf.

PARAMETERS: Cutting speed: 260 - 450 m/min and a tooth load ranging from 0.03 - 0.05 mm/tooth.

MACHINES: These saw blades are available for flying cut-off machines: Fives OTO, MTM, ASMAG/SEUTHE, Olimpia80, Elmaksan.



KINS' ORANGE ScarfMaster HT



SCARF TUBE



HIGH TENSILE



SINGLE TWIN

SINGLE TWIN

These saw blades have been engineered for flying cut-off applications dealing with heavy inside scarf (non-orbital cut-off), offering precision and durability. With its unique tooth geometry, highly shock-resistant carbide tips and special PVD coating, this saw blade is designed for excellence.

APPLICATIONS: Single and twin flying cut-off machines cutting high tensile API pipes and tubes with tensile strength higher than to 900 N/mm² and heavy ID-scarf.

PARAMETERS: Cutting speed: 240 - 450 m/min (choose max available) and a tooth load ranging from 0.03 - 0.05 mm/tooth.

MACHINES: These saw blades are available for flying cut-off machines: Fives OTO, MTM, ASMAG/SEUTHE, Olimpia80, Elmaksan.



KINS' ORANGE OrbitalMaster Pro



ORBITAL



LOW-MEDIUM HIGH TENSILE

KINS' ORANGE OrbitalMaster Pro TCT saw blades set the new standard for orbital flying cut-off applications on tube mills. This saw blade delivers even greater results due to an improved carbide grade for the tips, an optimized tooth geometry, and a new high-performance PVD coating. Due to these features, it supports higher cutting speeds, shorter cycle times, and increased output while maintaining consistent cutting performance and long blade life.

APPLICATIONS: Orbital flying cut-off applications, tubes and profiles.

PARAMETERS: Cutting speed: 280-400 m/min and a tooth load ranging from 0.04 - 0.16 mm/tooth.

MACHINES: These saw blades are available for all types of orbital cutting machines, such as Adda Fer FIMI Group, ASMAG/SEUTHE, CONTOR, Danieli, Danobat, Elmaksan, ERWT, Fives OTO, Kusakabe, Linsinger, Mair, MTM, Nakata, Olimpia80, and SMS Meer.



KINS' ORANGE OrbitalMaster Stainless



ORBITAL



STAINLESS

STAINLESS STEEL

Introducing the KINS' ORANGE OrbitalMaster Stainless saw blade, precision-crafted for cutting stainless steel pipes and tubes on orbital flying-cut-off machines. This saw blade ensures a remarkable blade life up to 3.5 m², delivering an impeccable cut quality and boosting your production output. KINS' ORANGE OrbitalMaster Stainless saw blades are the alternative for HSS saw blades when saw blade durability and speed are detrimental for success.

APPLICATIONS: Orbital flying cut-off applications. Stainless steel.

PARAMETERS: Cutting speed: 60 – 120 m/min and a tooth load ranging from 0.035 – 0.10 mm/tooth.

MACHINES: These saw blades are available for all types of orbital cutting machines, such as Adda Fer FIMI Group, Daniellie, Elmaksan, Fives OTO, Kusakabe, Linsinger, MTM, Nakata, Olimpia80, and SMS Meer.

TCT SOLID STATIONARY - KINS' RED

KINKELDER offers a wide range of reliable and high quality TCT saw blades for solids and steel bars.



TCT



SOLID
STATIONARY
CUT-TO-LENGTH

KINS' RED

KINS' RED LT

KINS' RED LT PERFORMANCE

KINS' RED MT

KINS' RED MT PERFORMANCE

KINS' RED HT

KINS' RED STAINLESS SMALL

KINS' RED STAINLESS LARGE



LOW
TENSILE

KINS' RED LT

This TCT saw blade is precision-crafted for cutting solid steel with low tensile strengths, ranging from 400 to 750 N/mm² and with a carbon content below 0.60%. This saw blade is your key to achieving a smooth cutting surface and high output on a variety of sawing machines.

APPLICATIONS: Solid carbon steel with low tensile strength up to 750 N/mm² and a carbon content below 0.60%.

PARAMETERS: Cutting speeds between 100 - 280 m/min and a tooth load ranging from 0.05 to 0.10 mm/tooth.

MACHINES: These saw blades are available for all types of machines, such as Amada, Noritake, Behringer/Eisele, Mega, Wagner/Trennjäger, Kasto, Everising, Nishisimax, Ficep, Tsune, Exactcut, Danobat/Plantool.



LOW
TENSILE

KINS' RED LT Performance

At solid cutting applications with a low tensile strength, this saw blade excels. Crafted to cut steel grades with a carbon content of less than 0.60%, it is developed to deliver an ultra smooth cutting surface, excellent squareness tolerances while providing long blade life, add on high performance machines.

APPLICATIONS: Solid carbon steel with low tensile strength between 400 - 750 N/mm² and a carbon content below 0.60%.

PARAMETERS: Cutting speeds between 100 - 280 m/min and a tooth load ranging from 0.05 - 0.10 mm/tooth.

MACHINES: These saw blades are available for all types of machines, such as Amada, Noritake, Behringer/Eisele, Mega, Wagner/Trennjäger, Kasto, Everising, Nishisimax, Ficep, Tsune, Exactcut, Danobat/Plantool.



KINS' RED MT



MEDIUM TENSILE

Engineered for high productivity, it's the go-to saw blade when you need performance and longevity across a wide variety of materials. The cutting solution for solid carbon steel with a carbon content below 0.60% and a medium tensile strength ranging from 600 - 900 N/mm².

APPLICATIONS: Solid carbon steel with medium tensile strength between 600 - 900 N/mm² and a carbon content below 0.60%.

PARAMETERS: Cutting speeds between 100 – 280 m/min and a tooth load ranging from 0.05 - 0.10 mm/tooth.

MACHINES: These saw blades are available for all types of machines, such as Amada, Noritake, Behringer/Eisele, Mega, Wagner/Trennjäger, Kasto, Everising, Nishisimax, Ficep, Tsune, Exactcut, Danobat/Plantool.



KINS' RED MT Performance



MEDIUM TENSILE

For precise and superior cutting of medium tensile solid steel, this saw blade is your trusted choice. KINS' RED MT Performance excels in precision solid cutting applications on high performance machines and improves your cutting process with high speed and high output. It has excellent squareness tolerance, which results in a longer blade life while offering an ultra smooth cutting surface. It minimizes or avoids post-machining, it saves cycle time and tool costs because the cut surface is as close to the end stage.

APPLICATIONS: Solid carbon steel with medium tensile strength between 600 - 900 N/mm² and a carbon content below 0.60%.

PARAMETERS: Cutting speeds between 100 – 280 m/min and a tooth load ranging from 0.05 - 0.10 mm/tooth.

MACHINES: These saw blades are available for all types of machines, such as Amada, Noritake, Behringer/Eisele, Mega, Wagner/Trennjäger, Kasto, Everising, Nishisimax, Ficep, Tsune, Exactcut, Danobat/Plantool.



KINS' RED HT



HIGH TENSILE



NON-AUSTENITIC STAINLESS STEEL

Crafted to handle the most resilient solid materials, this saw blade effortlessly slices through tough solid steel boasting high tensile strength and exceeding 900 N/mm² on cutting machines.

APPLICATIONS: Solid carbon steel with a high tensile strength up to 900 N/mm² and a carbon content below 0.60%, This adaptable saw blade for solids is also the preferred option for cutting ferritic, martensitic, and duplex stainless steel bars exceeding a diameter of 35 mm.

PARAMETERS: Cutting speed 60 - 140 m/min per minute and a tooth load ranging from 0.05 - 0.09 mm/tooth.

MACHINES: These saw blades are available for all types of machines, such as Amada, Noritake, Behringer/Eisele, Mega, Wagner/Trennjäger, Kasto, Everising, Nishisimax, Ficep, Tsune, Exactcut, Danobat/Plantool.



KINS' RED Stainless Small



Crafted with cutting-edge technology, this carbide-tipped and PVD-coated saw blade is developed for austenitic stainless steel solids, as well as ferritic, martensitic, and duplex stainless steel solids with diameters up to 35 mm. The benefit from high production rates and impeccable surface finishes is realized by its dedicated tooth geometry.

APPLICATIONS: Austenitic stainless steel solids, as well as ferritic, martensitic, and duplex stainless steel solids with diameters up to 35 mm.

PARAMETERS: Cutting speeds ranging from 80 to 140 m/min and a tooth load ranging from 0.03 to 0.06 mm/tooth.

MACHINES: These saw blades are available for all types of machines, such as Amada, Noritake, Behringer/Eisele, Mega, Wagner/Trennjäger, Kasto, Everising, Nishisimax, Ficep, Tsune, Exactcut, Danobat/Plantool.



KINS' RED Stainless Large



The ultimate cutting solution for austenitic stainless steel bars exceeding 35mm in diameter. This saw blade, with its dedicated tooth geometry, delivers lightning-fast cutting, ensuring a smooth surface finish that meets the highest standards at very high production rates.

APPLICATIONS: Austenitic stainless steel bars with a diameter > 35 mm.

PARAMETERS: Cutting speeds ranging from 80 to 120 m/min and a tooth load ranging from 0.055 and 0.12 mm/tooth.

MACHINES: These saw blades are available for all types of machines, such as Amada, Noritake, Behringer/Eisele, Mega, Wagner/Trennjäger, Kasto, Everising, Nishisimax, Ficep, Tsune, Exactcut, Danobat/Plantool.

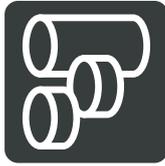


TCT TUBE STATIONNAIRE - KINS' BLUE

KINKELDER offers a product range of reliable and high quality TCT saw blades for cutting tubes on stationary sawing machines.



TCT



TUBE
STATIONARY
CUT-TO-LENGTH

KINS' BLUE

KINS' BLUE LMT

KINS' BLUE LMT PERFORMANCE

KINS' BLUE HT STABILIZER

KINS' BLUE HT

KINS' BLUE HT PRO

KINS' BLUE STAINLESS

KINS' BLUE MULTI



KINS' BLUE LMT



LOW-MEDIUM
TENSILE

Designed for cutting tubes with low and medium tensile strength ranging from 400 to 1,000 N/mm² on high speed automatic sawing machines. Experience higher maximum cutting speeds compared to HSS blades, especially effective on machines with accurate chip load control and variable feed rates.

APPLICATIONS: Tubes with low and medium tensile strength ranging from 400 to 1,000 N/mm².

PARAMETERS: Cutting speeds between 180 and 280 m/min and a tooth load ranging from 0.04 to 0.16 mm/tooth.

MACHINES: These saw blades are available for all types of machines, such as Rattunde, Sinico, Bewo, RSA, Soco, Adige/BLM.





KINS' BLUE LMT Performance



LOW-MEDIUM
TENSILE

The saw blade is more versatile and has a better performance on thick-walled pipes. KINS' BLUE LMT Performance is known for its minimal burr formation and long blade life. This results in lower consumption of tooling costs in finishing operations. Featuring a new carbide grade, a new PVD coating for an ultra-smooth surface finish, an innovative tooth geometry, and a body design for optimal chip evacuation.

APPLICATIONS: Tubes with low and medium tensile strength ranging from 400 to 1,000 N/mm².

PARAMETERS: Cutting speeds between 180 and 280 m/min and a tooth load ranging from 0.04 to 0.24 mm/tooth.

MACHINES: These saw blades are available for all types of machines, such as Rattunde, Sinico, Bewo, RSA, Soco, Adige/BLM.



KINS' BLUE HT Stabilizer



HIGH
TENSILE



THIN TUBE

Specifically designed for cutting thin-walled and less stable tubes, high-hardness hollow sections on high-performance sawing machines. Its light cutting properties make it ideal for a wide range of automatic sawing machines.

APPLICATIONS: Tubes with high tensile strength > 1,000 N/mm².

PARAMETERS: Cutting speeds from 160 to 280 m/min and a tooth load ranging from 0.025 - 0.12 mm/tooth.

MACHINES: These saw blades are available for all types of machines, such as Rattunde, Sinico, Bewo, RSA, Soco, Adige/BLM.



KINS' BLUE HT



HIGH
TENSILE

KINS' BLUE HT represents a cutting-edge generation of saw blades, offering exceptional output and extended blade life under difficult circumstances. Specifically crafted for cutting tubes with tensile strengths reaching up to 1,800 N/mm², this product sets new standards in efficiency and longevity.

APPLICATIONS: Tubes with high tensile strength up to 1,800 N/mm².

PARAMETERS: Cutting speed up to 300 m/min and a tooth load ranging from 0.035 – 0.20 mm/tooth.

MACHINES: These saw blades are available for all types of machines, such as Rattunde, Sinico, Bewo, RSA, Soco, Adige/BLM.



KINS' BLUE HT Pro



HIGH TENSILE

This saw blade has specifically been designed for cutting all types of high tensile tubes with a high output and will perform at its best at tensile strengths between 1,000 – 1,800 N/mm² at a wide range of demanding tube applications and steel grades. The PVD coated carbide-tipped saw blade is an optimal solution for high volume. Typical products are drive shafts, twist beams, camshafts, suspensions and differentials. Highest possible blade life.

APPLICATIONS: Tubes with high tensile strength between 1,000 and 1,800 N/mm².

PARAMETERS: Cutting speed up to 300 m/min and a tooth load ranging from 0,035 – 0,20 mm/tooth.

MACHINES: These saw blades are available for all types of machines, such as Rattunde, Sinico, Bewo, RSA, Soco, Adige/BLM.



KINS' BLUE Stainless



STAINLESS STEEL

Engineered for high-performance cutting of stainless steel tubes, including austenitic and ferritic varieties. Tackling the challenges posed by the high nickel content of austenitic stainless steel, this saw blade's dedicated tooth geometry ensures a flawless surface finish and uninterrupted tube ends.

APPLICATIONS: High performance cutting of stainless steel tube (austenitic, ferritic).

PARAMETERS: Cutting speeds for cutting austenitic stainless ranging from (60) 80 to 140 m/min and a tooth load ranging from 0.06 to 0.12 mm/tooth.

Parameters used on ferritic stainless:

Without Ti: 180 - 220 m/min, 0.03 - 0.18 mm/tooth

With Ti: 120 - 140 m/min, 0.03 - 0.18 mm/tooth

MACHINES: These saw blades are available for all types of machines, such as Rattunde, Sinico, Bewo, RSA, Soco, Adige/BLM.



KINS' BLUE Multi



MULTI



THICK TUBE



LOW-MEDIUM HIGH TENSILE

Developed for high precision automatic machines. A game-changer for cutting multiple steel tubes at the same time (double). With a new carbide grade, latest development PVD coating for a smooth finish and innovative (dedicated) tooth geometry. This saw blade also excels in cutting thick tubes.

APPLICATIONS: Tubes with a tensile strength of 400-1200 N/mm².

PARAMETERS: Cutting speeds of 180-290 m/min, and a tooth load ranging from 0.03 to 0.19 mm/tooth.

MACHINES: These saw blades are available for all types of machines, such as Rattunde, Sinico, Bewo, RSA, Soco, Adige/BLM.



HSS - KINS' GREEN

KINKELDER offers a product range of reliable and of high quality HSS blades for all user cases.



HSS

KINS' GREEN
KINS' GREEN VAPOR
KINS' GREEN UNIVERSAL
KINS' GREEN STABILIZER
KINS' GREEN PERFORMANCE
KINS' GREEN STAINLESS STABILIZER
KINS' GREEN STAINLESS PERFORMANCE



KINS' GREEN Vapor



MANUAL
CUT-TO-LENGTH



LOW
TENSILE

This HSS saw blade is setting the standard for cutting all carbon- and non-alloyed steel. Featuring a blue oxide surface layer, this saw blade has a longer blade life than uncoated saw blades. Suitable for all types of tubes, profiles and solids.

APPLICATIONS: Cutting tubes, profiles or solids in carbon steel and non-alloy tool steel with a tensile strength up to 700 N/mm².

PARAMETERS: Cutting speeds between 30 and 60 m/min.

MACHINES: These saw blades are available for all types of machines, such as Bewo, Häberle/RSA, Doring, Kaltenbach.



KINS' GREEN Universal



The KINS' GREEN Universal is truly universal and the best solution for most user cases. This versatile saw blade provides multi flexibility for your cutting process while offering excellent life time and cutting speed. With a high-end PVD coating, this saw blade ensures a very low friction coefficient for enhanced wear protection. KINS' GREEN Universal allows higher cutting speeds and longer blade life than steam-treated saw blades. Cost-efficient solution for cutting structural and non-alloy tool steel thin-walled tubes.

APPLICATIONS: Cutting (stainless and ferrous) steel tubes and profiles with a tensile strength up to 600 N/mm².

PARAMETERS: Cutting speeds when cutting specific materials: 60-120 m/min for ferrous steel, 30-50 m/min for austenitic stainless steel (300 series), 220-260 m/min for ferritic stainless steel without Ti (409 & 412), and 60-120 m/min for ferritic stainless steel with Ti (441). Tooth loads ranging from 0.03 and 0.09 mm/tooth.

MACHINES: These saw blades are available for all types of machines, such as Adda Fer FIMI Group, Adige, ASMAG/SEUTHE, Bewo, Danieli, Elmaksan, Kusakabe, Linsinger, MTM, Nakata, Olimpia80, Fives OTO Mills, Rattunde, RSA, Sinico, SMS Meer.



KINS' GREEN Performance



Designed for cutting low to medium tensile carbon tubes. Unlocking exceptional performance, it thrives in applications with extremely high cutting speeds and tooth loads. A prolonged blade life and increased uptime are ensured due to a special, wear resistant, multilayer PVD coating with a low friction coefficient, very high hardness and very high temperature resistance.

APPLICATIONS: Cutting (stainless and ferrous) steel tubes and profiles with a tensile strength up to 750 N/mm².

PARAMETERS: Cutting speeds of 120-200 m/min and a tooth load ranging from 0.04-0.18 mm/tooth.

MACHINES: These saw blades are available for all types of machines, such as Adige, ASMAG/SEUTHE, Bewo, Elmaksan, MTM, Olimpia80, Fives OTO Mills, Rattunde, RSA, Sinico.



KINS' GREEN Stabilizer



LOW-MEDIUM TENSILE



THIN TUBE

Perfect for cutting thin-walled tubes and profiles in demanding applications, this saw blade offers an optimal solution. Achieve a superior surface finish and minimize vibration, burrs, and the risk of tube-end deformation, due to the dedicated low-friction multilayer PVD coating and the unique design of the blade. The solution for challenging cutting conditions, because this blade excels in extremely demanding applications.

APPLICATIONS: Cutting thin-walled steel tubes and profiles.

PARAMETERS: Cutting speeds of 120-200 m/min and a tooth load ranging from 0.04-0.18 mm/tooth.

MACHINES: These saw blades are available for all types of machines, such as Adige, ASMAG/SEUTHE, Bewo, Elmaksan, MTM, Olimpia80, Fives OTO Mills, Rattunde, RSA, Sinico.



KINS' GREEN Stainless Performance



STAINLESS STEEL



LOW-MEDIUM TENSILE



FLYING CUT OFF



TUBE STATIONARY CUT-TO-LENGTH

Along with a thinned cutting area, these HSS saw blades demonstrate exceptional performance in stainless steel applications. They guarantee fast and efficient cutting of thin-walled stainless products, minimizing vibration, reducing burrs, diminishing the risk of tube-end deformation, and maintaining high temperature resistance because of a thin PVD coating.

APPLICATIONS: Cutting steel, austenitic stainless steel (300 series) and ferritic stainless steel (400 series).

PARAMETERS: Cutting speeds 30-50 m/min for austenitic stainless steel (300 series), 220-260 m/min for ferritic stainless steel without Ti (409 & 412), and 60-120 m/min for ferritic stainless steel with Ti (411).

MACHINES: These saw blades are available for all types of machines, such as Adda Fer FIMI Group, Adige, ASMAG/SEUTHE, Bewo, Danieli, Elmaksan, Kusakabe, Linsinger, MTM, Nakata, Olimpia80, Fives OTO Mills, Rattunde, RSA, Sinico, SMS Meer.



KINS' GREEN Stainless Stabilizer



STAINLESS STEEL



THIN TUBE



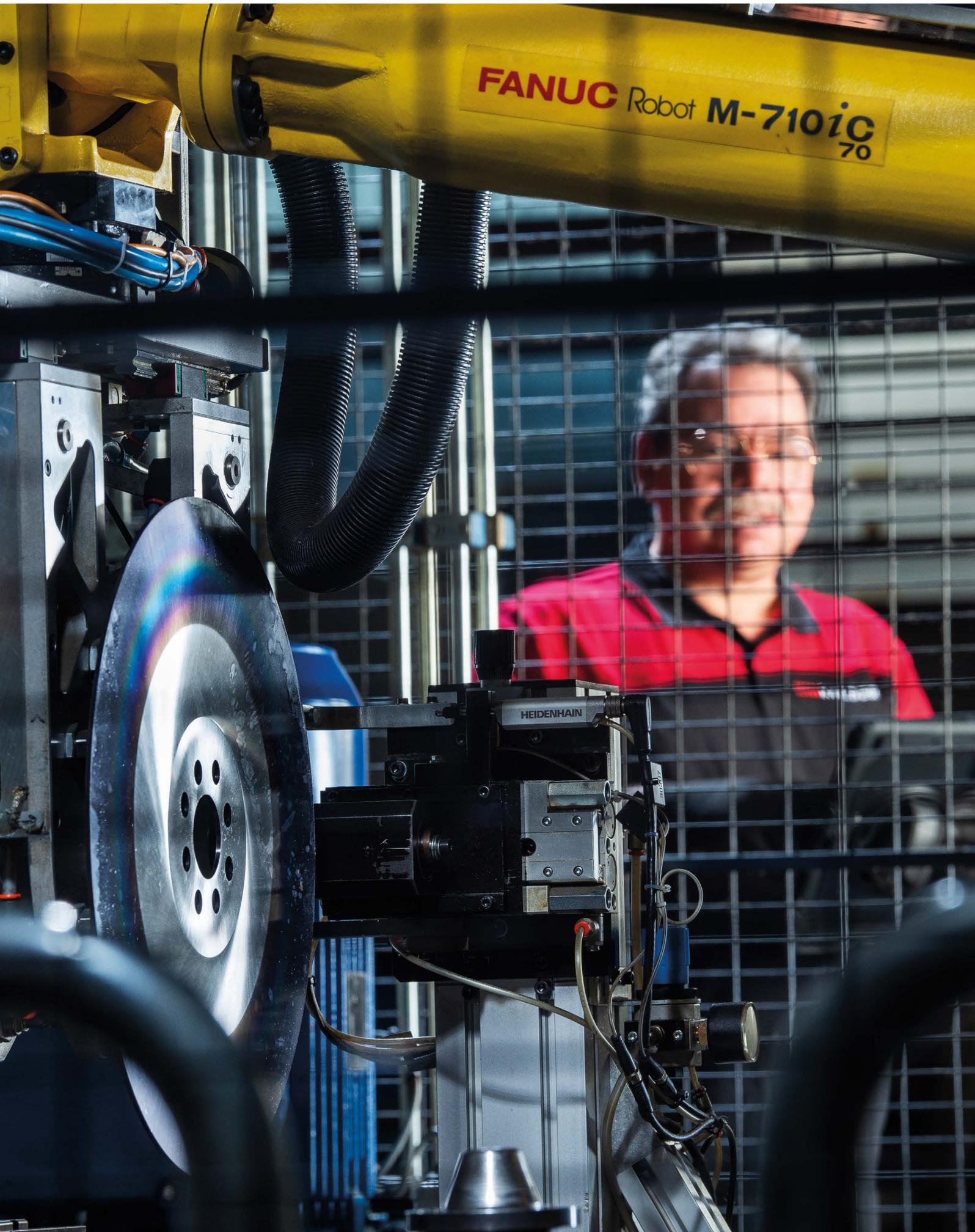
TUBE STATIONARY CUT-TO-LENGTH

Perfect for cutting stainless steel thin-walled tubes and profiles in demanding applications, this saw blade offers an optimal solution. Achieve a superior surface finish and minimize vibration, burrs, and the risk of tube-end deformation, due to the dedicated low-friction multilayer PVD coating and the unique design of the blade. The solution for challenging cutting conditions because this saw blade excels in extremely demanding applications.

APPLICATIONS: Cutting steel, austenitic stainless steel (300 series) and ferritic stainless steel (400 series).

PARAMETERS: Cutting speeds 30-50 m/min for austenitic stainless steel (300 series), 220-260 m/min for ferritic stainless steel without Ti (409 & 412), and 60-120 m/min for ferritic stainless steel with Ti (411).

MACHINES: These saw blades are available for all types of machines, such as Adige, ASMAG/SEUTHE, Bewo, Elmaksan, MTM, Olimpia80, Fives OTO Mills, Rattunde, RSA, Sinico.



FANUC Robot M-710iC
70

HEIDENHAIN

SEGMENTAL - KINS' YELLOW

In addition to its TCT and HSS saw blades, KINKELDER also offers a range of segmental saw blades.



SEGMENTAL

KINS' YELLOW

KINS' YELLOW SEGMENTAL



KINS' YELLOW Segmental



SEGMENTAL

These circular saw blades feature a chrome vanadium steel body with HSS high-speed tempered steel toothed segments riveted to the periphery. Segmental saw blades are typically very forgiving when cutting conditions are harsh and excellent in miter cutting. This design facilitates straightforward repairs in case of tooth or segment damage by allowing the replacement of individual segments.

APPLICATIONS: Cutting tube and solid on stationary machines with low to medium tensile strength carbon steel (up to 600 N/mm²) as well as non-ferrous steel such as aluminium and brass.

PARAMETERS: Cutting speeds between 15 m/min and 60 m/min and a tooth load ranging from 0.04 mm/tooth - 0.12 mm/tooth.

MACHINES: Framag, Ficep, Wagner, Trennjaeger, MFL, Kaltenbach.



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