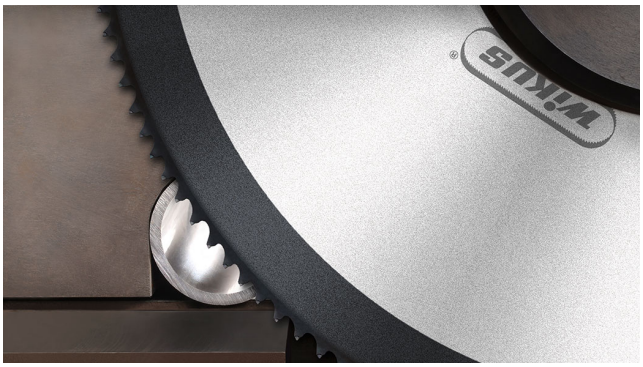
Precision at the cutting point

CIRKELZAGEN

KREOS®

The high-performance circular saw blade with variable tooth pitch for steel pipes and profiles



- innovative tooth geometry for the interrupted cutting channel
- variable tooth pitch
- steels with low carbon levels < 1.5 %
- 250 mm bis 460 mm

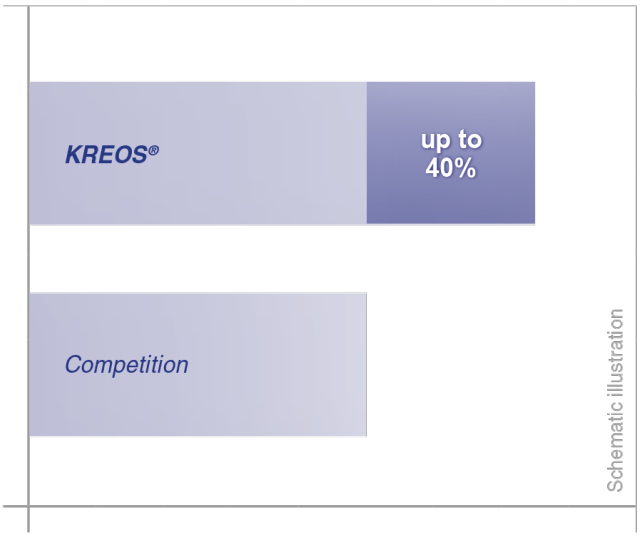
Product information

The high-performance circular saw blade with variable tooth pitch for steel pipes and profiles

Things are really moving at WIKUS. WIKUS demonstrates all its technological and innovative prowess in this new, completely in Spangenberg developed high-tech circular saw blade *KREOS®*.

KREOS® sets standards for processing thin-walled pipes and profiles with small cross-sections and is highly suitable for cutting applications in mass cut production processes as well.

The innovative specific chip space geometry with small variable tooth pitches based on the WIKUS joint technology lend *KREOS®* properties that are unique in the market.
KREOS® stands out to its excellent cutting performance that is up to 40% higher than competitive products, making it THE all-round efficient productive solution.



Increase of cutting performance

Application Range

Applications

- thin-walled pipes and profiles
- steels with low carbon levels < 1.5 %, tensile strength up to 1200 N/mm²
- single and multiple cutting
- high-performance circular sawing systems in mass cutting processes

Features

- innovative tooth geometry for the interrupted cutting channel
- variable tooth pitch
- carbide tipped with hard material coating

Your advantages at a glance

reduction of cutting costs
thanks to reproducible high cutting performance

higher productivity
thanks to small variable tooth pitches with carbide tips

excellent cutting surface quality
thanks to optimal tip geometry

less saw blade changes and machine downtimes
thanks to a significant increase of blade-life

reduction of sawing noise
thanks to smooth operation with variable tooth pitches

Customer information

Due to an updated coating process, all WIKUS precision circular saw blades will be successively changed to a modified optical appearance. All technical properties, product advantages as well as the usual WIKUS quality remain unchanged.

Technical Data (1/2)

Diameter	Cutting width	Blade thickness	Bore	Number of teeth		Pin holes	
mm	mm	mm	mm	variable	constant	4	2
250,00	2,00	1,75	32,00	72	–	4/9/504/11/63	–
250,00	2,00	1,75	40,00	96	–	4/12/64	2/8.5/55
250,00	2,00	1,75	40,00	132	–	4/12/64	2/8.5/55
285,00	2,00	1,75	32,00	144	–	4/9/504/11/63	–
315,00	2,50	2,25	32,00	132	–	4/9/50	–
315,00	2,50	2,25	32,00	168	–	4/9/50	–
315,00	2,50	2,25	40,00	132	–	4/12/64	2/8/55
315,00	2,50	2,25	40,00	168	–	4/12/64	2/8/55
315,00	2,50	2,25	50,00	132	–	4/16/80	–
350,00	2,50	2,25	32,00	144	–	4/12/64	–
350,00	2,70	2,50	32,00	144	–	4/12/64	–
350,00	2,50	2,25	50,00	192	–	4/12/64	2/8/55
350,00	2,70	2,50	50,00	120	–	4/16/80	–
350,00	2,70	2,50	50,00	–	–	4/16/80	–
350,00	2,50	2,25	50,00	144	–	4/16/80	–
350,00	2,70	2,50	50,00	144	–	4/16/80	–

Technical Data (2/2)

Diameter	Cutting width	Blade thickness	Bore	Number of teeth		Pin holes	
mm	mm	mm	mm	variable	constant	4	2
350,00	2,70	2,50	50,00	168	–	4/16/80	–
350,00	2,50	2,25	50,00	192	–	4/16/80	–
400,00	2,70	2,50	50,00	192	–	4/16/80	–
460,00	2,70	2,50	50,00	120	–	4/16/80	–

Materials Overview

- Case-hardening steels, spring steels and ball-bearing steels
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Rust-proof and acid-resistant steels

MIRUS®

High-performance circular saw blade for rust- and acid-resistant pipes and profiles

- innovative tooth geometry for the interrupted cutting channel
- variable tooth pitch
- rust- and acid-resistant materials
- 285 mm bis 400 mm

Product information

High-performance circular saw blade for rust- and acid-resistant pipes and profiles

WIKUS has rounded off its product range with the addition of the newly, completely in Spangenberg developed high-performance circular saw blade *MIRUS*®. In proven WIKUS quality, *MIRUS*® is a high-performance, innovative solution for processing thin-walled pipes and profiles in rust- and acid-resistant materials.

MIRUS® optimises your sawing process with a new cutting geometry, a small variable tooth pitch and a unique number of carbide tipped teeth. *MIRUS*® is in a class of its own in the market with respect to productivity, cost savings and surface quality.

Your advantages at a glance

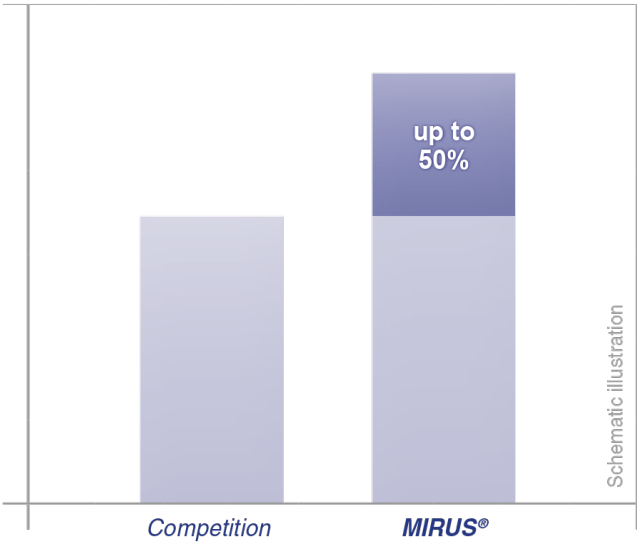
reduction of tool costs
thanks to reproducible high cutting performance

increase of productivity
thanks to small variable tooth pitches with carbide tips

reduction of saw blades change
thanks to more blade life

good cutting surface
thanks to precise cutting geometry

less finishing
thanks to low-burr cutting



Increase of productivity

Application Range

Applications

- thin-walled pipes and profiles
- high-performance circular sawing systems in mass cutting processes
- rust- and acid-resistant materials
- single and multiple cutting

Features

- specially designed cutting geometry
- variable tooth pitch
- carbide cutting materials and coatings

Customer information

Due to an updated coating process, all WIKUS precision circular saw blades will be successively changed to a modified optical appearance. All technical properties, product advantages as well as the usual WIKUS quality remain unchanged.

Technical Data

Diameter	Cutting width	Blade thickness	Bore	Number of teeth		Pin holes	
mm	mm	mm	mm	variable	constant	4	2
285,00	2,00	1,75	32,00	174	–	4/9/50	–
285,00	2,00	1,75	40,00	174	–	4/12/64	–
315,00	2,50	2,25	32,00	132	–	4/9/50	–
315,00	2,50	2,25	40,00	132	–	4/12/64	–
315,00	2,50	2,25	32,00	168	–	4/12/64	–
315,00	2,50	2,25	40,00	168	–	4/12/64	2/8/55
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400,00	2,70	2,50	40,00	192	–	4/12/64	2/8/55
400,00	2,70	2,50	50,00	192	–	4/16/80	–

Materials Overview

- Case-hardening steels, spring steels and ball-bearing steels
- Nitrided steel, high-speed steel and tool steel
- Construction, deep-drawn and machining steels
- Carbon steels, and quenched and tempered steels
- Aluminium / aluminium alloys
- Non-ferrous metals
- Rust-proof and acid-resistant steels