

Klingspor new products 2024/2025





CEVOLUTION

made by Klingspor

More than "just" ceramics!

Klingspor presents CEVOLUTION technology.

Abrasives with ceramic grit have long been known for their aggressiveness and service life. Klingspor has now thought ahead and developed ceramic high-performance abrasives with the new "CEVOLUTION" technology. In addition to ceramic grit, they also contain the know-how of almost 130 years of grinding experience.

Ceramic abrasive grit has many advantages over other types of corundum grit: The microcrys-talline structure ensures a self-sharpening effect and uniform break-off behavior. Further-more, ceramic abrasive grit usually has a higher stock removal rate. However, the grain alone is not enough for perfect performance in many applications.

CEVOLUTION technology: It's all in the mix!

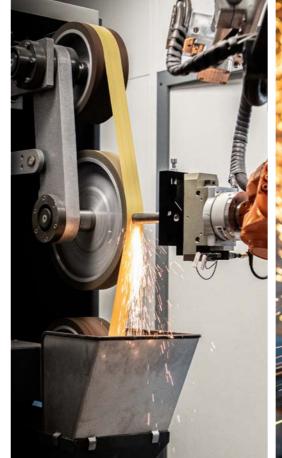
In practice, there are applications where the necessary contact pressure or the grinding speed actually required cannot be guaranteed. This can result in the advantages of the ceramic grit not coming to bear, as the pressure is not high enough to break the structure of the grit; clogging of the abrasive and an unsatisfactory grinding result would be the consequence.

Klingspor products with the new CEVOLUTION technology are therefore optimized holistically: Depending on the area of application, the individual components that make up the abrasive are modified and fine-tuned until, finally, after numerous tests and trials, the best perfor-mance is extracted from the ceramic grit.

The CEVOLUTION family

In the Klingspor range, customers will find numerous products with the new CEVOLUTION technology, such as the CS 920 Y/CS 922 Y abrasive belt or the SMT 974, SMT 975, SMT 976 and SMT 674 abrasive mop discs, which will be available from fall 2022. The latest addition to the CEVOLUTION series is the DT 350 AB diamond cutting blade. Further product groups are in the planning stage.

Only when the abrasives offer a real increase in performance will they receive the coveted CEVOLUTION seal.







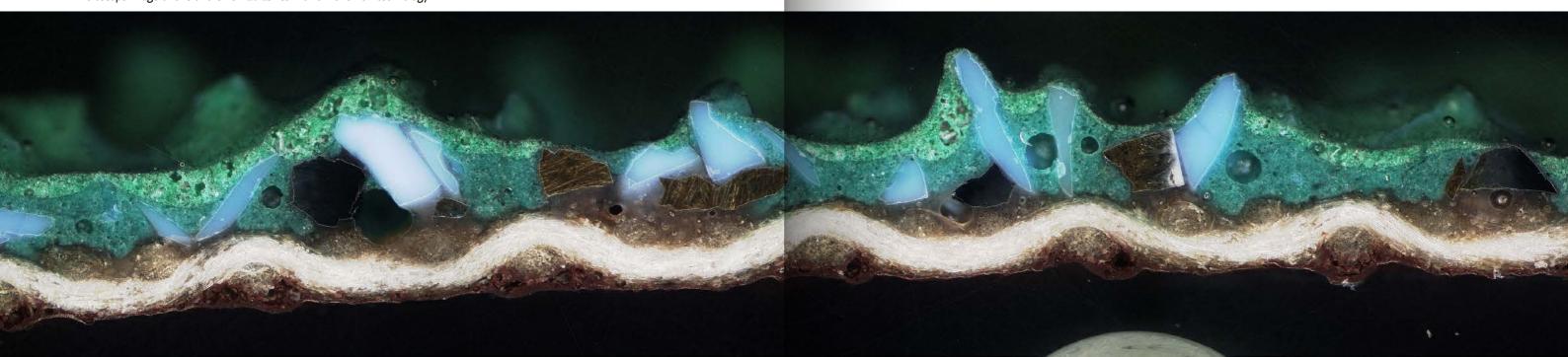
▲ In addition to belts and abrasive mop discs, the CEVOLUTION range currently also includes diamond cutting discs



Our development department takes a holistic approach to the new CEVOLUTION technology: it optimizes grit mix, grit sizes, grit quantities, formulation of precoat and postcoat, relies on multi-bonding or on special manufacturing processes. All with the aim of offering the user the best performance in every application. CEVOLUTION is therefore a real revolution in the field of ceramic abrasives.

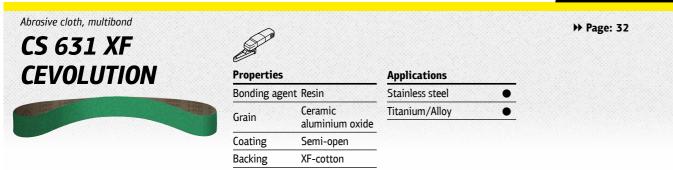
Ibraim Lapa, Head of Business Development

▼ Microscope image of one of the new abrasives with CEVOLUTION technology



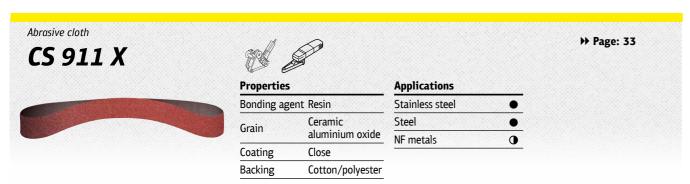
2024

CEVOLUTION



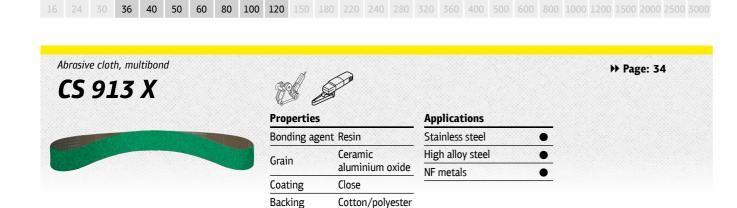
Advantages: Continuously aggressive abrasive performance, with long service life due to ceramic grit - Good adaptation to radiuses and contours - Prevents heat tinting on stainless steel due to multibond - The CS 631XF file belt includes the new CEVOLUTION technology. CEVOLUTION stands for holistically optimised ceramic abrasives. Klingspor products with CEVOLUTION technology benefit from a perfect blend of grain types and resin formulation to offer the maximum performance in every application

Avail	able	grits	:						7														
16	24	30	36	40	60	80	100	120	150	180	220	240	280	320	360	400	600	1000	1200	1500	2000	2500	300



Advantages: Self-sharpening ceramic grit for coarse and intermediate grinding in the steel and stainless steel processing industry and for parquet sanding

Available grits:



Advantages: Continuously aggressive grinding behaviour - Long service life due to self-sharpening ceramic grit - The additional multibond provides a "cool grinding" in the processing of stainless steel and thus tempering colours are avoided - No premature clogging on aluminium

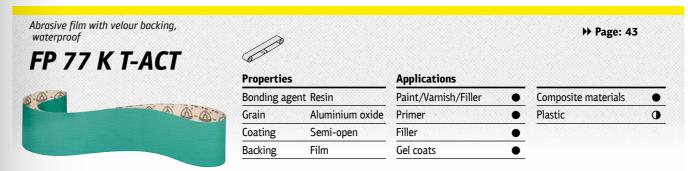
Available grits:

16 24	30	36	40		60	80	100	120	150	180	220	240	280	320	360	400		600		1000	1200	1500	2000 2500	3000
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New Products

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Advantages: New high performance product with optimised clogging behaviour - Increased service life due to the new coating, which prevents the adhesion of paint and dust particles - With a highly flexible and perfectly flat film backing for high quality surface finishing - Soft sanding thanks to the cushioning-effect from the velour backing

Available grits:

16	24	30	36	40		100	120	150	180	220	240	280	320	400	500	600	800	1000	1200	1500	2000	2500	3000

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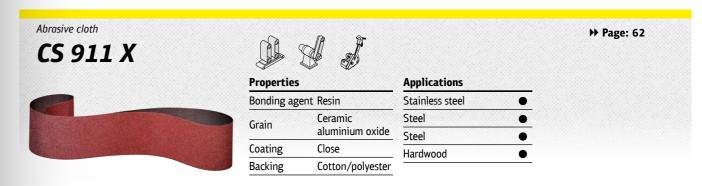


▶ Page: 50 Applications Stainless steel NF metals • aluminium oxide Metals •

Advantages: Special product with highly flexible cotton backing for processing non-ferrous metals, stainless steel and steel - Continuously aggressive grinding behaviour due to self-sharpening ceramic grain and grinding-active additives - Grinding of heavily profiled workpieces in the metal industry -The LS 912 JF belt includes the new CEVOLUTION technology. CEVOLUTION stands for holistically optimised ceramic abrasives. Klingspor products with CEVOLUTION technology benefit from a perfect blend of grain types and resin formulation to offer the maximum performance in every

Available grits:

16 24 30 36 40 50 **60 80 100 120 150 180**

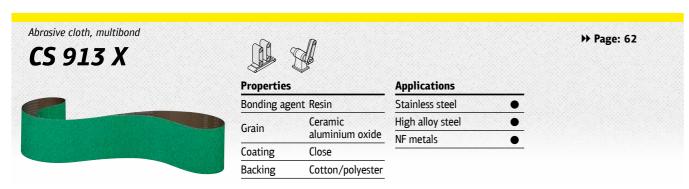


Advantages: Self-sharpening ceramic grit for coarse and intermediate grinding in the steel and stainless steel processing industry and for parquet sanding

Available grits:

16	24	30	36	40	50	60	80	100	120	150	180	220	240	280	320		400		600		1000	1200	1500	2000	2500	3000
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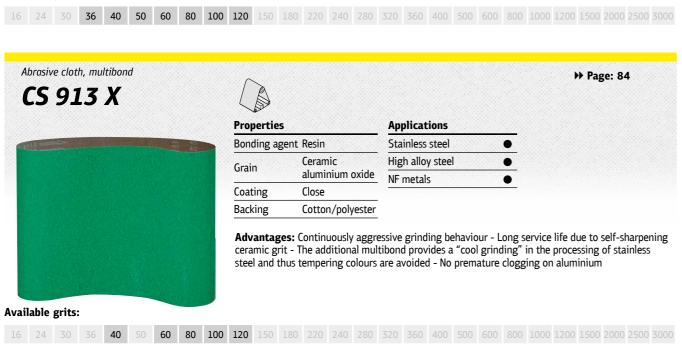


Advantages: Continuously aggressive grinding behaviour - Long service life due to self-sharpening ceramic grit - The additional multibond provides a "cool grinding" in the processing of stainless steel and thus tempering colours are avoided - No premature clogging on aluminium

Available grits:



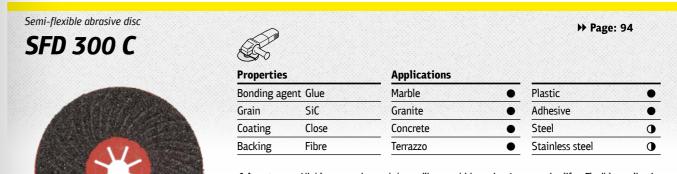




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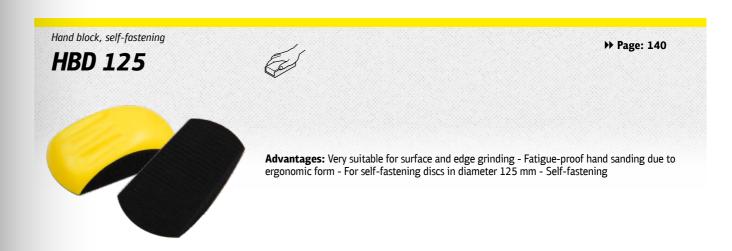


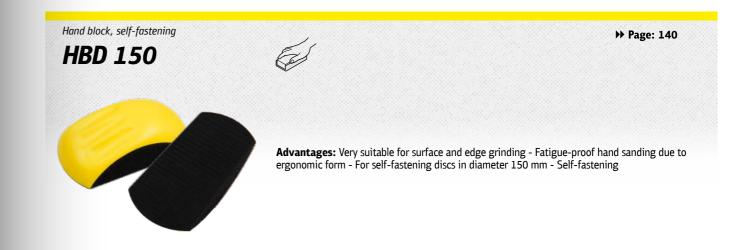


Advantages: Highly aggressive and sharp silicon carbide grain - Long service life - Flexible application on almost all materials - Very good price-performance ratio - Use only with backing pad (ST 358 A)

Available grits:

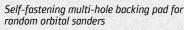
16 24 30 36 40 50 60 80 100 120 150 180 220 240 280 320 360 400	00 600 800 1000 12	1200 1500 2000 2500 3000
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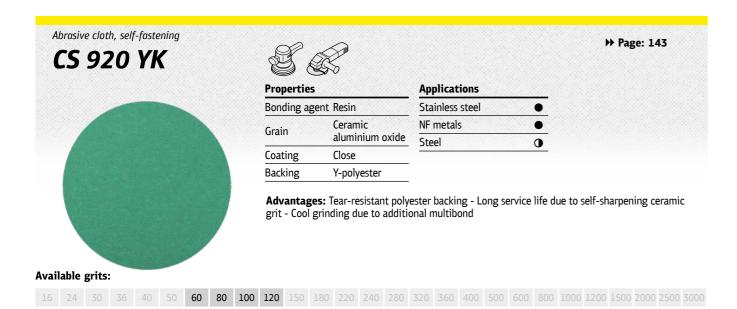


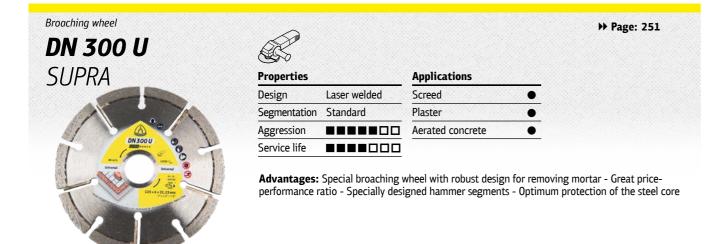




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Advantages: Very good adhesion for all velour-coated discs - Suitable for all standard hole patterns - Optimal running behaviour - Improved dust extraction due to multi-hole cover plate - Available in medium and soft - Adaptor M8 and 5/15" included

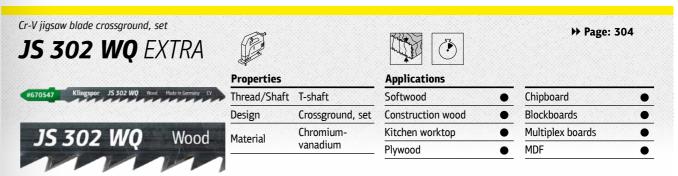




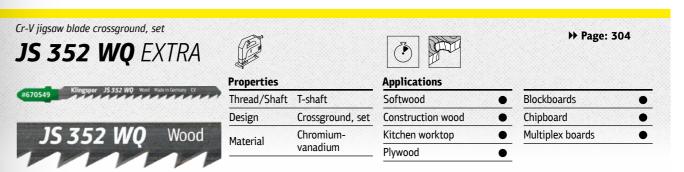
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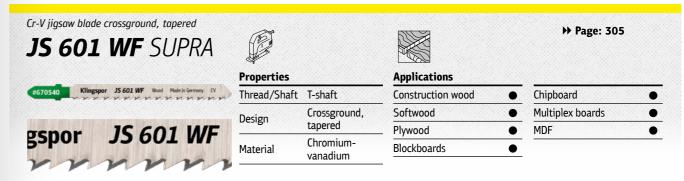




Advantages: Very fast, rough cuts in almost all wood materials - Top seller with very good priceperformance ratio

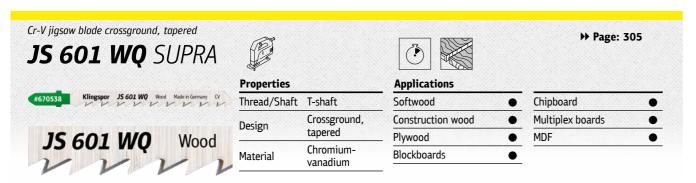


Advantages: Very fast, rough curved cuts in almost all wood materials - Top seller with very good price-performance ratio

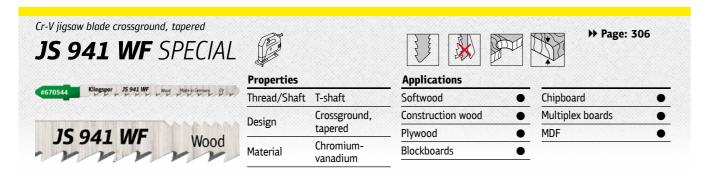


Advantages: Very clean, straight cuts in wood and wood-based materials

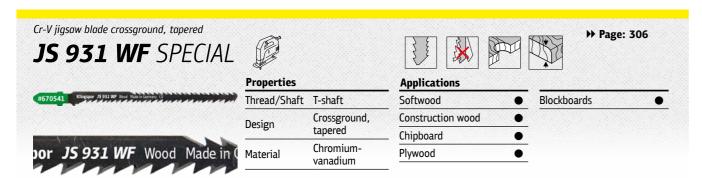
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Advantages: Very clean, straight and fast cuts in wood and wood-based materials



Advantages: Saw blade with back serration for clean curved cuts in wood and wood materials of all kinds - Fine, very clean cutting edges

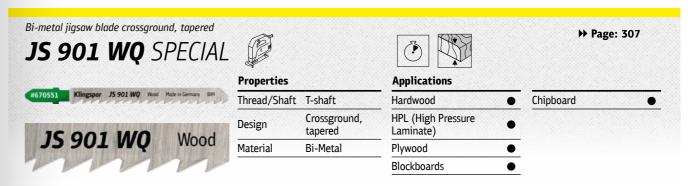


Advantages: Top product with double-sided serration for extreme curved cuts in wood and wood-based materials - Fine and clean cutting edges - Suitable for thin and thick material

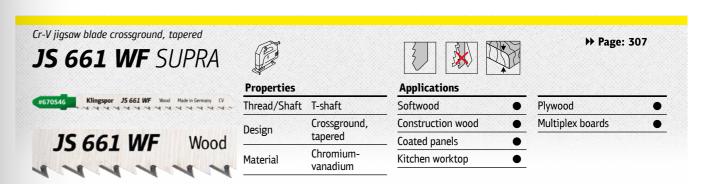
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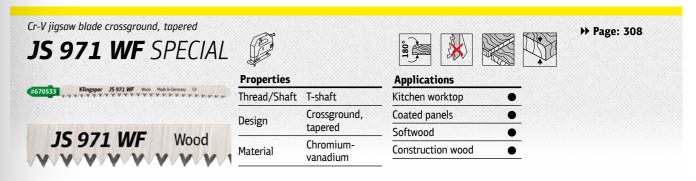




Advantages: Very fast, straight and clean cuts in hard materials such as hardwood, laminate and HPL boards - Particularly long service life due to bi-metal construction

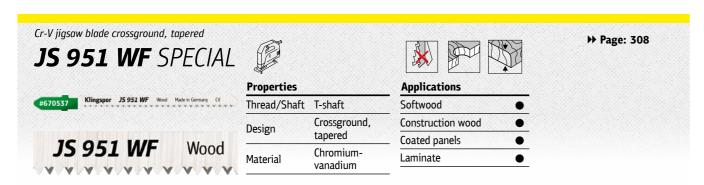


Advantages: Very clean, straight cuts in wood and wood-based materials - Clean edges on the visible side due to butt serration - Especially for coated boards and kitchen worktops

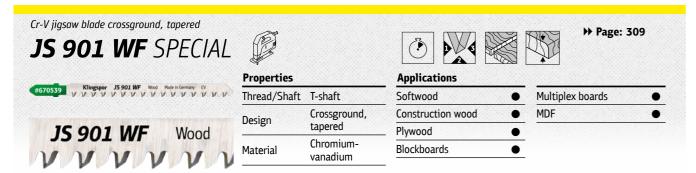


Advantages: Chip-free and clean cut on both sides due to tooth tips radially aligned to the centre of the saw blade - Extra long blade, therefore particularly suitable for kitchen worktops

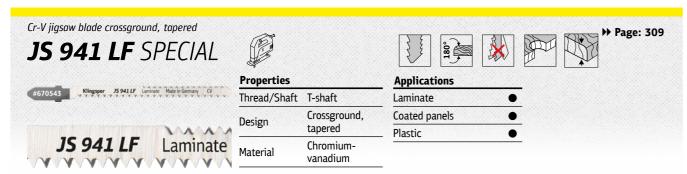
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Advantages: Fine and clean curved cuts in softwood and coated panels thanks to pointed toothing - Also perfectly suited for cutting laminate



Advantages: Very clean, straight and fast cuts in wood and wood-based materials - Particularly clean cuts due to special tooth geometry ground on three sides - Also suitable for thick material up to 65 mm

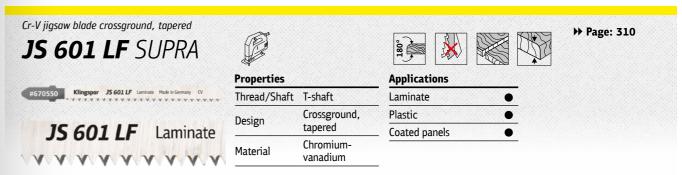


Advantages: Top product with back serration for curved cuts in laminate, vinyl parquet, plastic and plastic-coated panels - Fine serration for clean and tear-free cutting edges on all sides

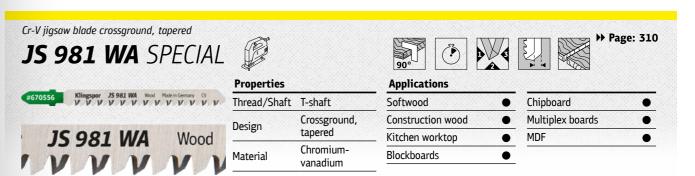
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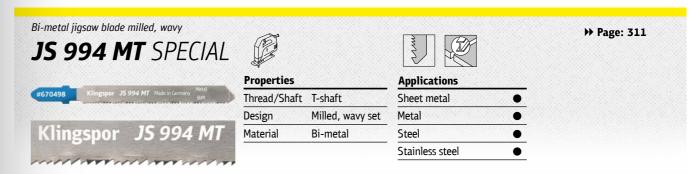




Advantages: Very clean, straight and chip-free cuts on both sides in plastic and plastic-coated materials - Top seller for laminate and vinyl parquet flooring

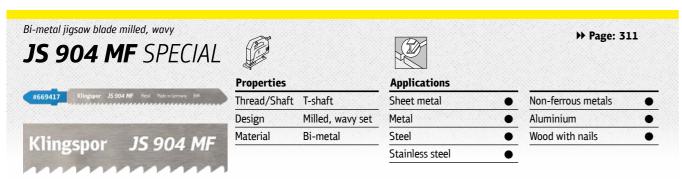


Advantages: Very clean, straight and fast cuts in wood and wood-based materials - Particularly clean cuts due to special tooth geometry ground on three sides - Extra strong blade for cuts with precise angles

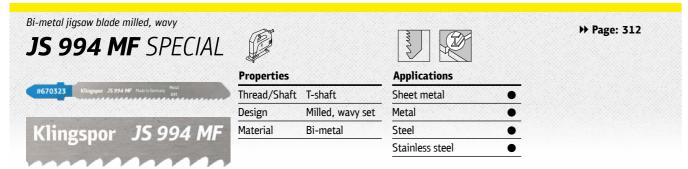


Advantages: Special blade with Vario toothing for steel and stainless steel sheets - Finer toothing (as JS 994 MF) for thinner material thicknesses - Straight cut - Long service life due to bi-metal construction

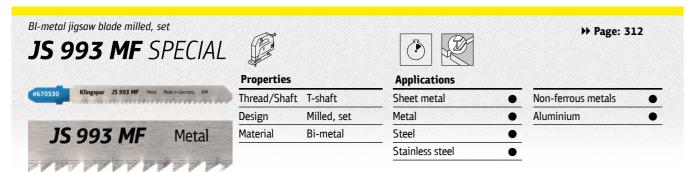
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Advantages: Top seller for metalworking - Straight cuts in all types of sheet metal and metals of all kinds, also stainless steel - Long service life due to bi-metal construction



Advantages: Special blade with Vario toothing for steel and stainless steel sheets - Straight cut - Long service life due to bi-metal construction

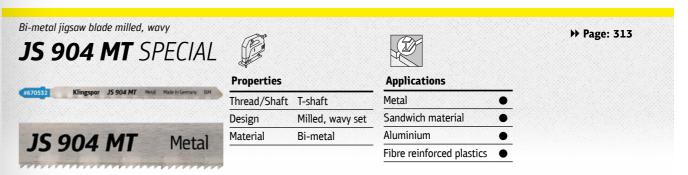


Advantages: Special blade with progressive toothing for profiles and sheets made of stainless steel, steel and other metals - For thin and thick material (up to 10mm thickness) - Very fast and straight cut - Long service life due to bi-metal construction

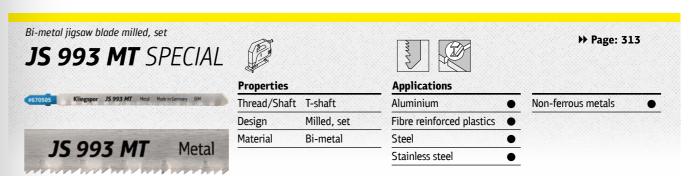
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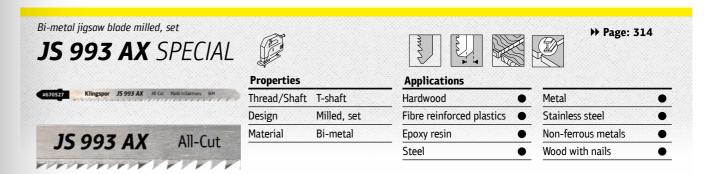




Advantages: Particularly long saw blade for pipes and larger profile cross-sections made of metal - Specially suitable for thin-walled profiles due to fine toothing - Straight cut



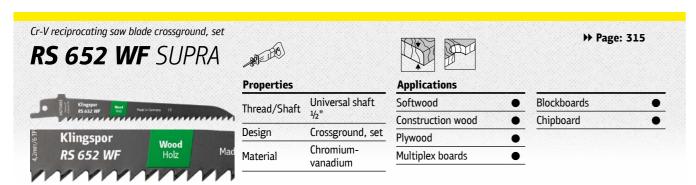
Advantages: Universally versatile blade with Vario toothing for metal and plastic processing - For cutting tubes, profiles, sheets in low to medium material thickness - Also excellently suited for plastics and sandwich multi multi-layered material - Straight, fast cuts - Extra long blade for larger workpiece cross-sections - Long service life due to bi-metal construction



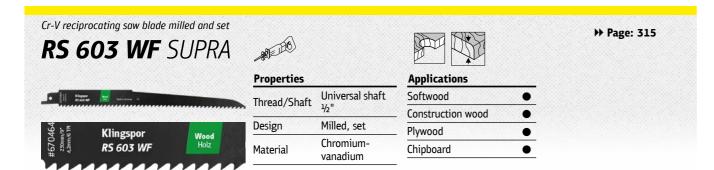
Advantages: Universal saw blade with Vario toothing in bi-metal construction suitable for cutting all materials, also for wood with nails - Extra thick, stable and long blade for large workpiece cross-sections

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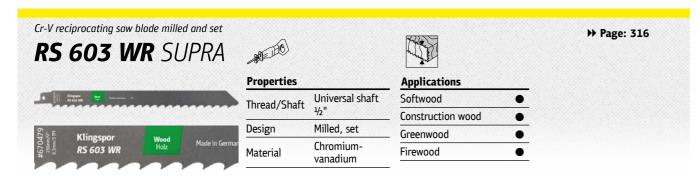
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Advantages: Universal saw blade for wooden beams and construction timber up to 100 mm material thickness - Fine cutting edges - Also for curved cuts in wood-based material and kitchen worktops - Good price-performance ratio



Advantages: Universal saw blade for wooden beams and construction timber with larger material cross-sections - Fine cutting edges - Also for curved cuts in wood-based material and kitchen worktops - Also suitable for cutting plastic tubes

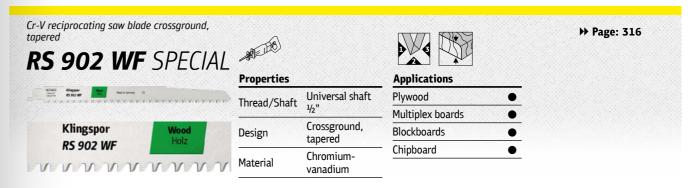


Advantages: Cr-V saw blade with coarse toothing - For fast, rough cuts in wood, wood materials and kitchen worktops - Also suitable for greenwood and firewood

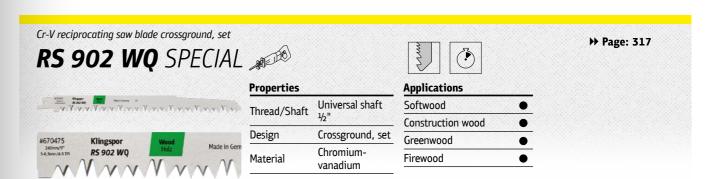
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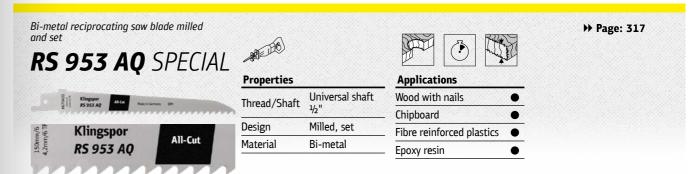




Advantages: CV saw blade with special three edge diamond ground toothing - Clean cuts in wood, wood materials and kitchen worktops - Also suitable for cutting plastic tubes



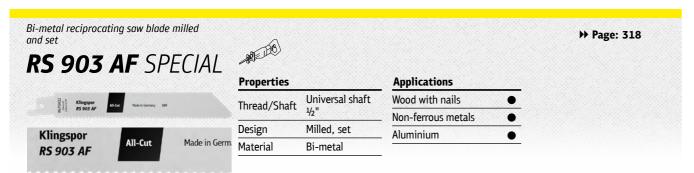
Advantages: Long saw blade with special, coarse toothing - Particularly suitable for softwood, greenwood and firewood - Very fast cut - No jamming in thicker branches and pieces of wood



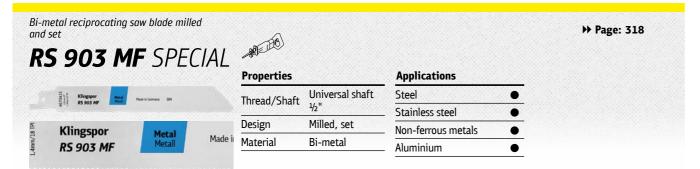
Advantages: Universal bi-metal blade for wood, wood with metal (nails, screws, fittings) and plastics - Ideal for demolition work, renovation of old buildings - Fast cuts - Also suitable for rough curve cutting

16 ₁₇

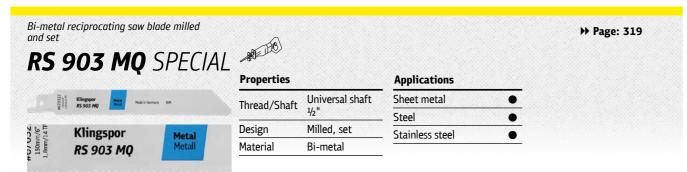
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Advantages: Bi-metal blade with finer toothing for wood with nails and for sheet metal, tubes and profiles made of various metals - For open profiles and medium-thick steel tubes



Advantages: Bi-metal blade for cutting steel, stainless steel, aluminium and non-ferrous metals - Particularly suitable for thin-walled sheet metal, profiles and pipes due to the fine toothing - Top seller for the heating and plumbing sector

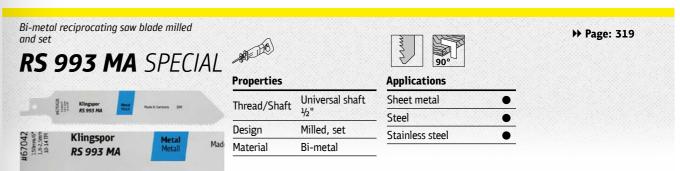


Advantages: Bi-metal blade for cutting all types of metal, including stainless steel - Particularly suitable for medium to thick sheet metal and profiles - Top product for the heating and plumbing sector

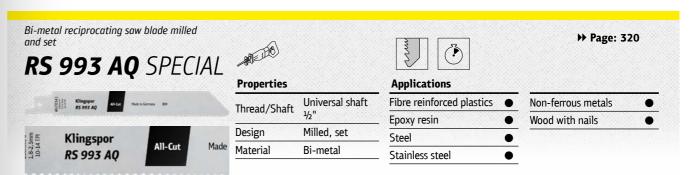
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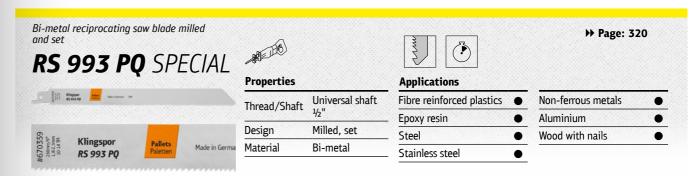




Advantages: Bi-metal blade with Vario toothing for all types of metal, including stainless steel -Particularly suitable for medium to thick sheets and profiles - Broad blade for precise rectangualr and straight cuts - Particularly suitable for use in the heating and plumbing sector



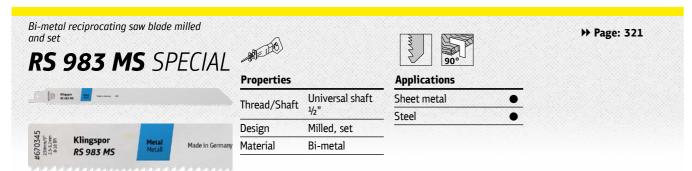
Advantages: Saw blade in bi-metal construction and with Vario toothing - Universally suitable for metal, non-ferrous metals, wood and plastics - Fast cuts - Very well suited for wood with nails



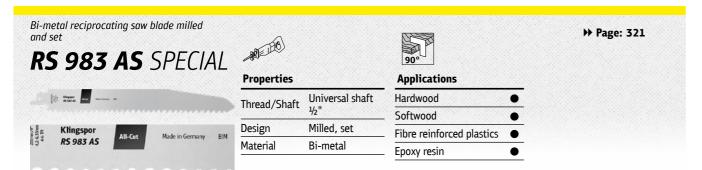
Advantages: Saw blade in bi-metal construction and with Vario toothing - Universally suitable for metal, non-ferrous metals, wood and plastics - Fast cut - Top seller for pallets (wood with nails)

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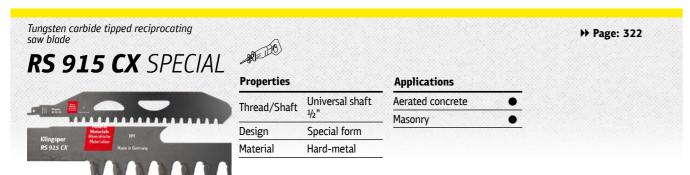
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Advantages: Special blade in bi-metal construction with and Vario toothing for stainless steel, steel and other metals - Particularly suitable for pipes, profiles and sheets with large material cross-sections (e.g. steel beams) - Precise angular cuts due to increased saw blade thickness



Advantages: Bi-metal blade for demolition work and renovation of old buildings - Effortless cutting of wood, wood with nails, wood materials and plastics of all kinds - Straight and precise rectangular cuts due to increased saw blade thickness

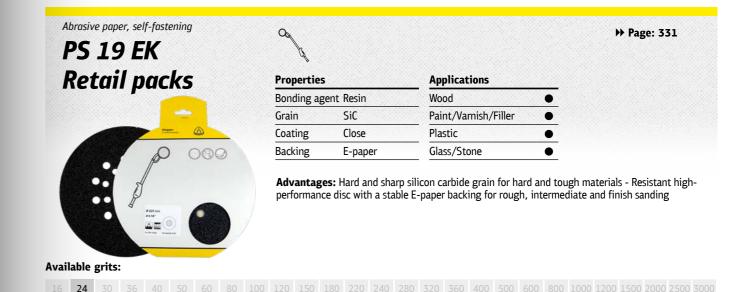


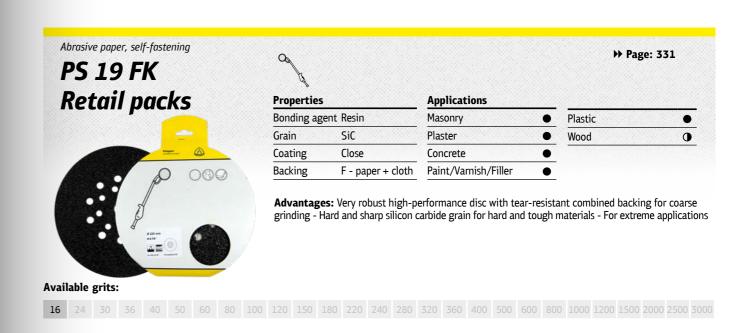
Advantages: Special saw blade with tungsten carbide tipped teeth especially for abrasive materials -Long service life and aggressive cut in aerated concrete and masonry

New Products

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