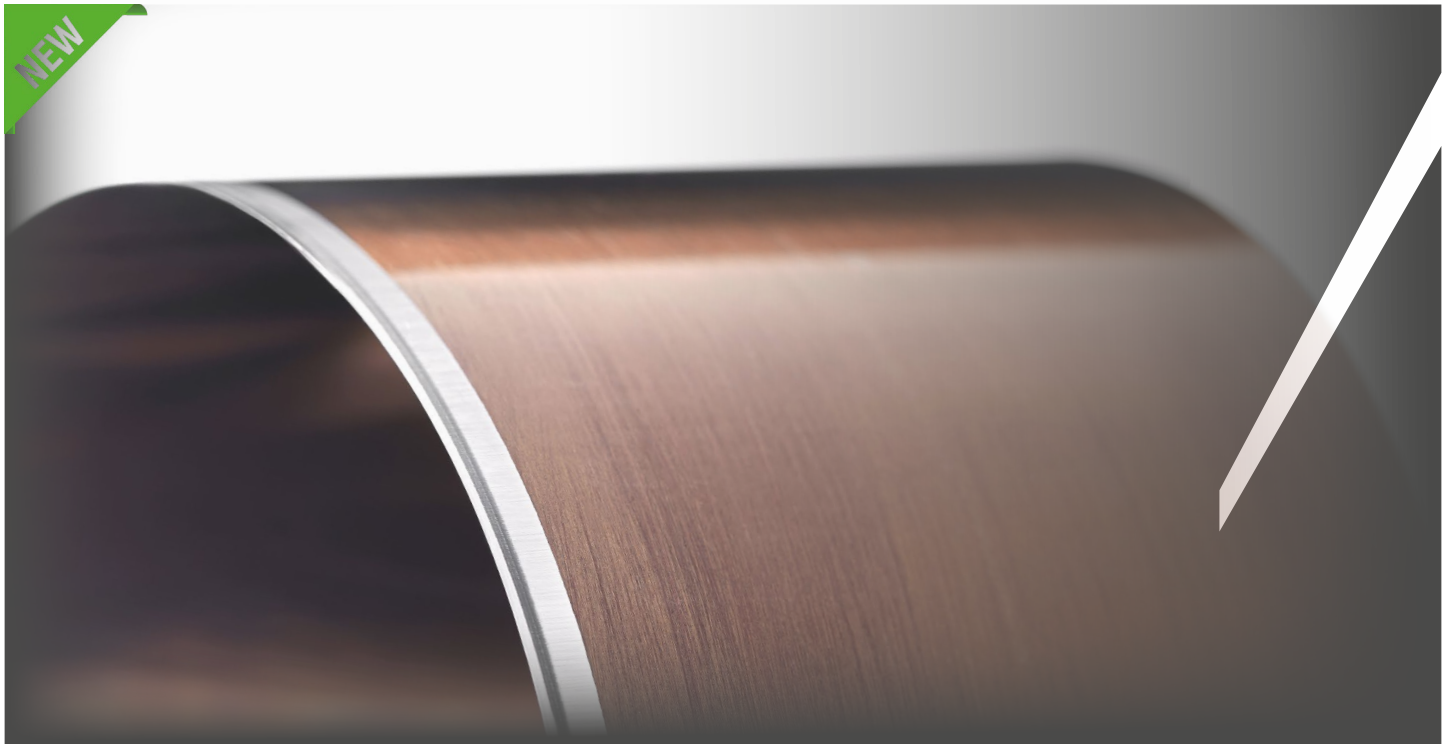
NEW

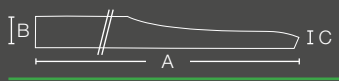


TKM NEO®

TKM NEO is a groundbreaking innovation in gravure printing that uses a specially developed lamella design. This product is the result of a research project with the University of Wuppertal. This patented technology sets a new standard in the industry. Our more than 50 years of experience and expertise in doctor blade production has enabled us to develop an innovative solution that has significant time and cost-reducing effects and thus optimizes efficiency in the printing process. At the same time, this technology is very user-friendly and sustainable. Wear on both the doctor blade and the chrome cylinder is reduced. TKM NEO therefore has a very positive impact on future productivity requirements in the printing process. The new design has a homogeneous tension distribution over the entire length of the blade, which ensures a constant line pressure and reduces material stress many times over. This targeted development enables our customers to achieve even higher print quality and reproducibility. Manual readjustment of the doctor blade pressure can be completely dispensed for most print jobs

Advantages

- Constant specific line pressure
- No readjustment necessary
- Constant print quality
- Reduced rechroming costs
- Consistent contact area
- Immediate clean doctoring
- Increased lifetime
- Reliable and reproducible printing results
- Improved steel quality
- Reduced cylinder wear
- Reduced machine downtime

Doctor blade shape	Application
Neo 	Gravure printing

Detailed dimensions

A (doctor blade width)	10.0 mm	–	60.0 mm
B (doctor blade thickness)	0.20 mm		
B (tip thickness)	0.055 mm		

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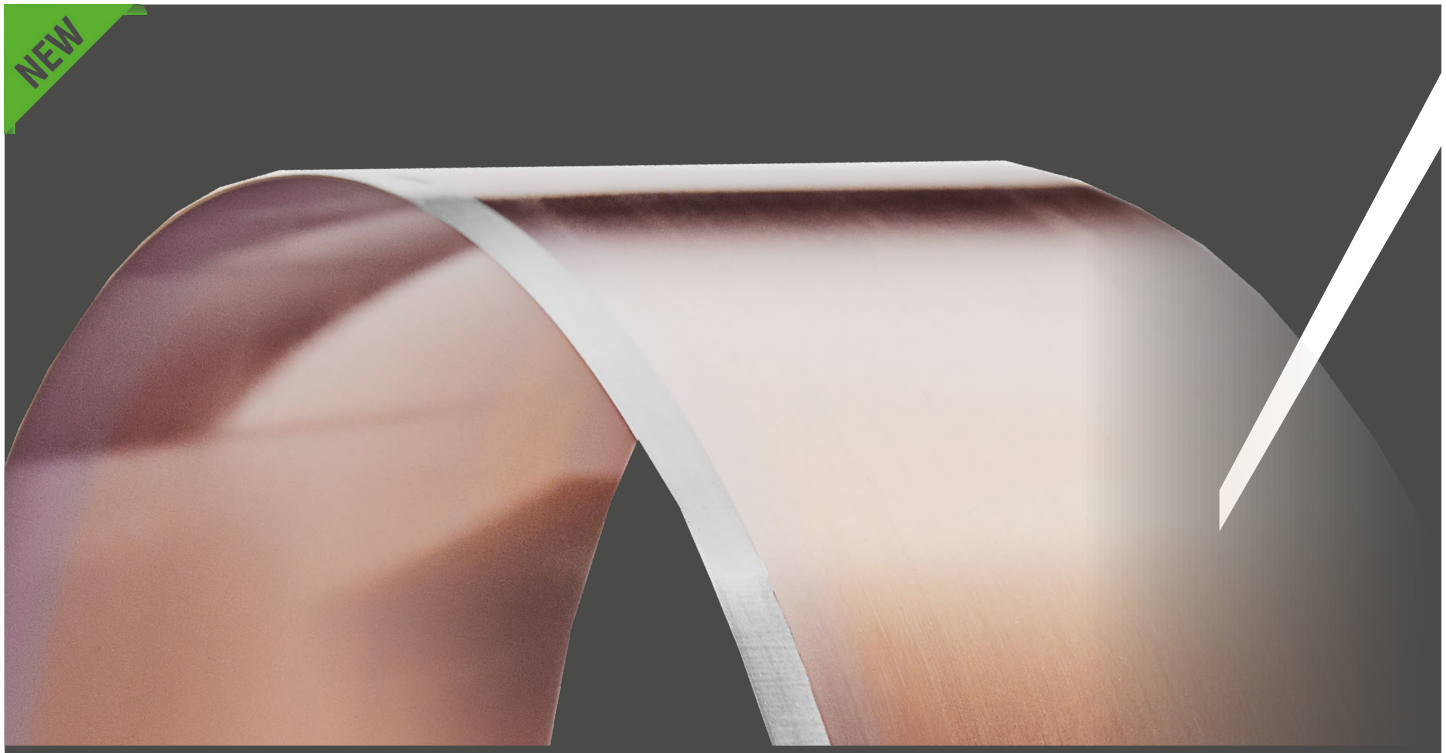
NEW



TKM NEOFlex®

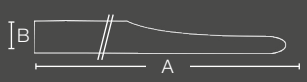
TKM NEOFlex – The Innovation for Flexographic Printing

TKM NEOFlex is our latest patented product, setting new standards in the doctor blade technology. Thanks to its innovative doctor blade tip, the doctor blade pressure can be reduced by up to 40%. This leads to significantly lower wear on doctor blades, end seals and anilox rollers (scoring lines and general wear). The reduced mechanical stress minimizes machine downtime, resulting in higher machine efficiency.

The specially developed doctor blade tip ensures outstanding and, most importantly, consistent ink transfer to the anilox roller. This eliminates back doctoring and guarantees consistently high print quality. Additionally, there is no need to readjust the doctor blade pressure, which is essential for maintaining a uniform ink application throughout the entire print job.
With TKM NEOFlex, users benefit from stable and efficient production while ensuring maximum process reliability.

Advantages

- Patented doctor blade design
- Long lifetime
- Reduction of the doctor blade pressure by up to 40%
- Protects anilox rolls and minimizes scoring lines
- Fewer doctor blade changes
- Less ink consumption
- Sinking end seal consumption
- Reduces printing costs
- Excellent ink transfer
- Less leaking problems
- Reduces ecological footprint

Doctor blade shape	Applications
NeoFlex 	Flexographic printing

Detailed dimensions			
A (doctor blade width)	10.0 mm	–	40.0 mm
B (doctor blade thickness)	0.20 mm	–	0.25 mm

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NEW

TKM CeraOne®

Our new product, TKM CeraOne, sets new standards in the printing industry with state-of-the-art coating technology. The improved coating ensures streak-free start up and prevents undesirable hazing, resulting in less waste which saving costs and time.

The specially developed doctor blades for the highest print quality reliably guarantee good and reproducible printing results. Due to short start up times, our product TKM CeraOne is not only efficient but also easy to handle.

Experience for yourself the outstanding characteristics of our new product and enhance the quality of your printing results with TKM CeraOne.

Advantages

- State-of-the-art coating technology
- Enhanced coating
- Streak-free start up process
- Prevents hazing
- Reduced waste
- Doctor blades for highest print quality
- Operator safety throughout the printing process
- Reliably good and reproducible printing results
- Short setup times

Doctor blade shape	Applications
Lamella 	Gravure printing
Stable 2° 	Gravure printing

Detailed dimensions			
A (doctor blade width)	10.0 mm	–	60.0 mm
B (doctor blade thickness)	0.15 mm	–	0.20 mm
C (tip thickness)	0.055 mm	–	0.07 mm
D (tip width)	1.3 mm		

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NEW

TKM DuroBlade® XT

Our new product, the TKM DuroBlade XT, sets new standards in doctor blade technology. With its exceptional durability and innovative ceramic coating, this product minimizes blade changes and reduces waste.

The polished surface enables a quick and streak-free start up, while the elimination of scoring lines caused by metal particles from the doctor blade extends the lifespan of the anilox rollers. The TKM DuroBlade XT, the worlds longest lasting blade, is specifically designed for extended gamut printing. This makes it the top choice in Full-HD flexographic printing.

Especially effective with abrasive ink, varnish, and coating systems, the TKM DuroBlade XT stands out for its durability. With excellent print quality and fast setup times, this product is the solution for demanding printing applications. Try the TKM DuroBlade XT and experience the revolution in doctor blade technology!

Advantages

- Worlds longest lasting doctor blade
- New coating quality
- Ceramic coating
- Reduces blade changes
- Less waste
- Quick and streak-free start up process
- Polished surface
- Eliminates scoring lines caused by metal particles
- Designed for use in the extended gamut printing
- Suitable for abrasive ink, varnish, and coating systems
- Designed for Full HD flexographic printing
- Excellent print quality

Detailed dimensions

A	(doctor blade width)	10.0 mm	–	70,0 mm
B	(doctor blade thickness)	0.20 mm	–	0.30 mm

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NEW FORMULA!

enpurex®
95 Plus ecoline

Discover our revolutionary cleaning liquid TKM Enpurex ecoline! With its unique formula, it effortlessly removes all common types of ink without relying on chemical dissolution. TKM Enpurex ecoline utilizes physical detachment, which is particularly gentle on your anilox rollers and printing cylinders.

With TKM Enpurex ecoline, you benefit from thorough deep cleaning and a reduction in machine downtime. The biodegradable, pH-neutral, aluminum-friendly formula is also water-based and sustainable.

To its improved formula with an optimal scent, TKM Enpurex ecoline not only ensures cleanliness but also provides a pleasant working environment. The patented product is innovative and environmentally friendly – a true asset to any cleaning routine.

Take the opportunity to witness the effectiveness of our cleaning solution, TKM Enpurex ecoline, and embrace its commitment to quality, sustainability, and environmental protection.

Advantages

- Removes all common ink types
- Physical detachment instead of chemical dissolution
- Gentle deep cleaning for anilox rollers
- Reduction of downtime
- Biodegradable
- pH-neutral
- Aluminum-friendly
- Water-based
- Sustainable
- Improved formula with optimal scent
- Innovative
- Environmentally friendly

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FASTER
GREENER

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enpurex® ecoline

Cleaning wipes

Enpurex ecoline Cleaning Wipes are effective cleaning wipes for hand and surface cleainig. They quickly and effortlessly remove even coarse soiling such as paint, varnish, grease, oil, glue, wax, soot, permanent markers, ball-point pens, grease and board markers. The wipes are also characterized by their skin-friendly and moisturizing effect and are pH-neutral.

The smart cleaning effect works without aggressive chemical dissolving or abrasive ingredients, unlike conventional cleaners. Thanks to the proven principle of action of enpurex products, soiling and colors are removed in two steps without damaging the skin and surfaces:

- Infiltration of the paint and dirt layers
- Coating and removal of the particles

Advantages

- Removes stubborn dirt
- On-the-go hand cleaning
- Very good skin compatibility
- Slightly moisturizing
- Free from aggressive solvents
- Free from perfumes
- pH-neutral

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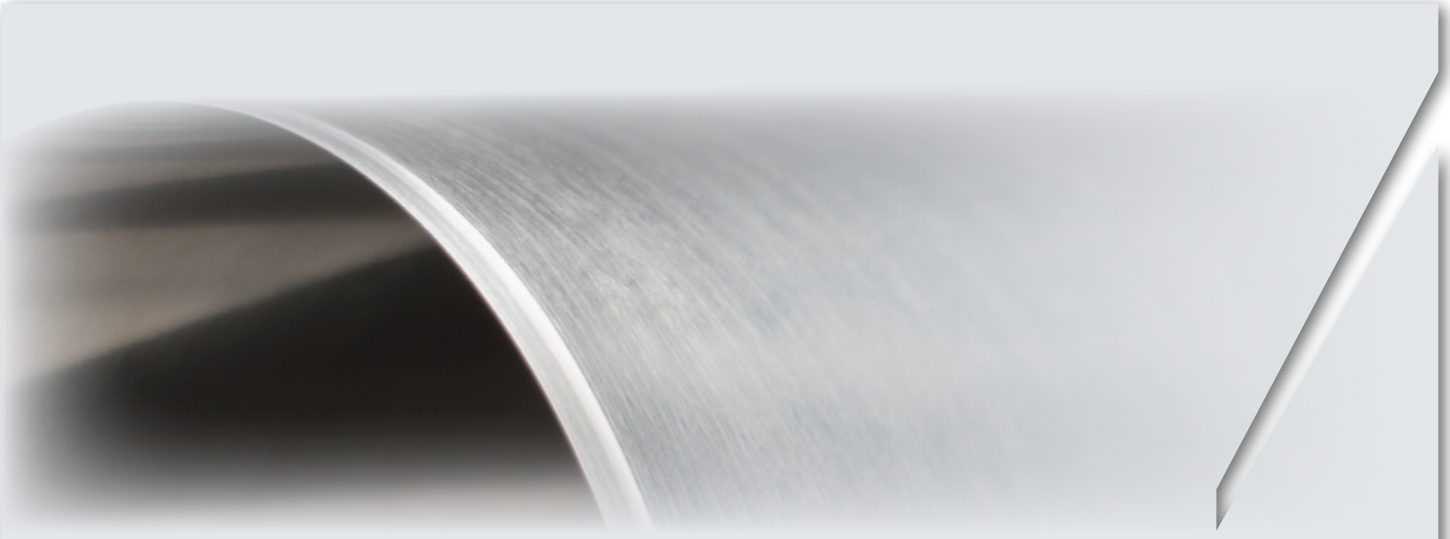


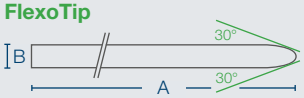
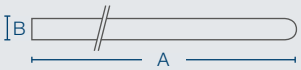
TKM MeyerPrint®

TKM MeyerPrint doctor blades are reliable and solid universal doctor blades from the TKM product line. They meet the highest printing standards due to their comparatively high chromium and extremely low sulfur content. The first-class material purity and the precise tip finishing guarantee clean doctoring, even at high machine speeds.

We, of course, supply back-up blades suitable for our high-performance doctor blades and your individual applications.

Advantages

- Clean doctoring even at high machine speeds
- Optimal with small/medium-sized print runs
- Burr-free contact zone
- High-quality carbon steel
- Universally suitable

Doctor blade shape	Applications	Coatings
Lamella 	Gravure and flexo-graphic printing	ESP and Protect
Stable 2° 	Gravure and flexo-graphic printing	ESP and Protect
FlexoTip 	Flexographic printing	Protect
MeyerFlex 	Flexographic printing	

Detailed dimensions

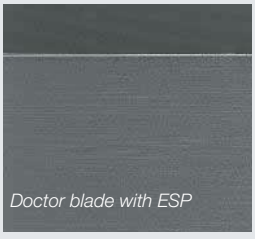
A (doctor blade width)	10.0 mm	–	80.0 mm
B (doctor blade thickness)	0.10 mm	–	0.50 mm
C (tip thickness)	0.055 mm	–	0.125 mm
D (tip width)	1.0 mm	–	1.7 mm

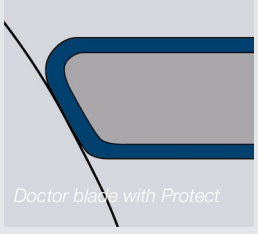
Achieve even higher quality printing results with ESP and Protect

TKM's ESP treatment and Protect coating will increase the durability of your doctor blades and your cylinders leading to significantly higher quality printing results, with the following advantages:

- Contact zone with the highest possible surface quality
- Less burr formation
- Corrosion protection
- Less waste
- Time saving at start up
- Less wear
- Higher durability


Doctor blade without ESP


Doctor blade with ESP


Doctor blade with Protect

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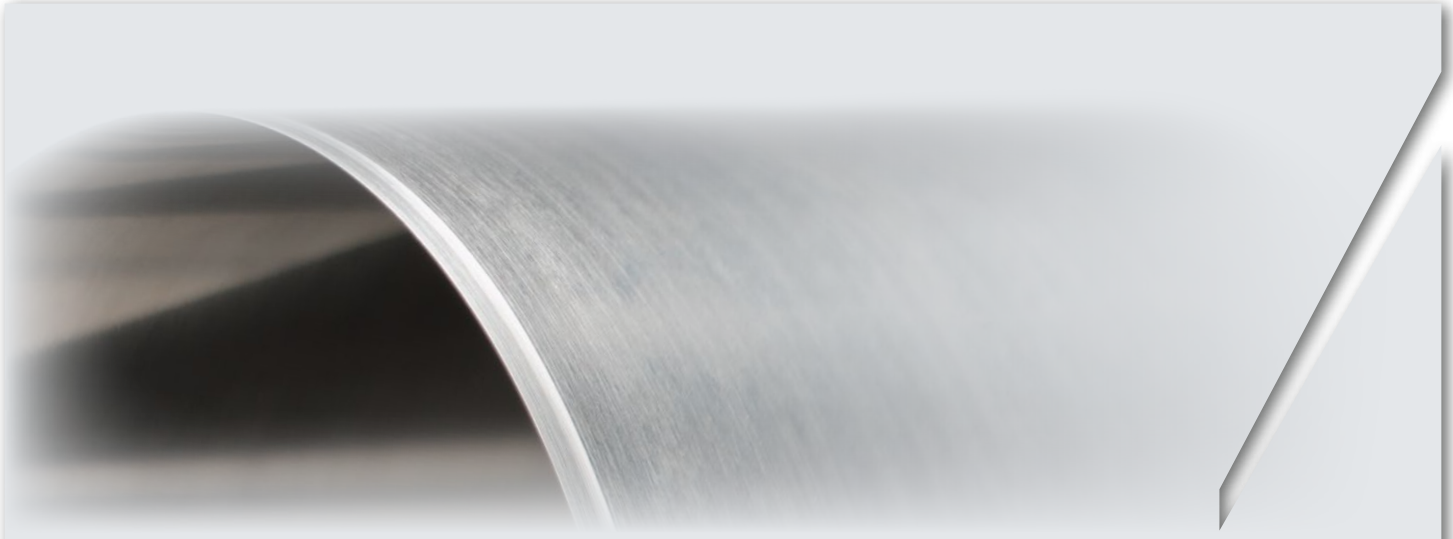
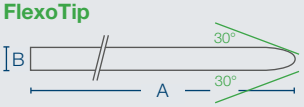


TKM OptiPrint®

TKM OptiPrint doctor blades, designed for gravure and flexographic printing, are multi-purpose blades, gentle to your cylinders, manufactured of premium carbon steel with a high chromium content. The fine micro-steel structure wears down powderwise, preventing contamination from detached steel particles throughout the entire inking and doctoring system for a constantly high level of print quality

Advantages

- Up to to 50% higher durability
- Less cylinder wear
- Short start-up times (gravure)
- Continuous high print quality
- Less waste
- Reduced machine downtime

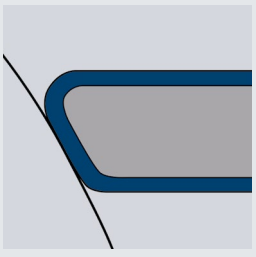
Doctor blade shape	Applications	Coatings
Lamella 	Gravure and flexographic printing	ESP and Protect
Stable 2° 	Gravure and flexographic printing	ESP and Protect
FlexoTip 	Flexographic printing	Protect

Detailed dimensions

A (doctor blade width)	10.0 mm	–	80.0 mm
B (doctor blade thickness)	0.15 mm	–	0.30 mm
C (tip thickness)	0.055 mm	–	0.125 mm
D (tip width)	1.0 mm	–	1.7 mm

Doctor blade without ESP

Doctor blade with ESP



Doctor blade with Protect

Achieve even higher quality printing results with ESP and Protect

TKM's ESP treatment and Protect coating will increase the durability of your doctor blades and your cylinders leading to significantly higher quality printing results, with the following advantages:

- Contact zone with the highest surface quality
- Less burr formation
- Corrosion protection
- Less waste
- Time saving on process start-up
- Less wear
- Higher durability

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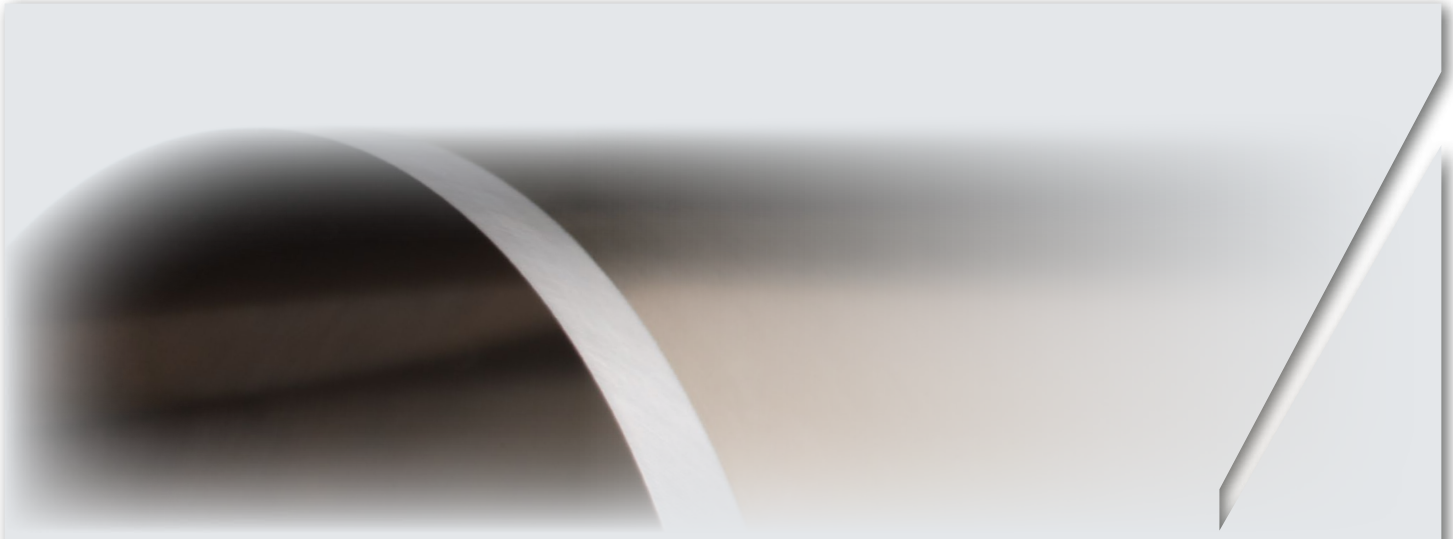

TKM PowerPrint®

For PowerPrint we use high-alloy tool steel. This special steel structure has outstanding wear resistance and avoids contamination of the inking system from residues of steel particles.

The steel is used in heavy-duty saw blades and in precision cutting blades. We have adapted the material to the requirements of the printing industry and, in cooperation with our suppliers, have geared it to illustration and packaging printing.

Advantages

- For high machine speeds
- Gentle to chrome cylinders and anilox rolls
- Excellent results against bleeding and smudging problems
- Reduced start-up times
- Guaranteed higher durability
- Absolutely clean doctoring
- Strict and precise control of the tip manufacturing

Doctor blade shape	Applications	Coatings
Lamella 	Gravure and flexographic printing	ESP
Stable 2° 	Gravure and flexographic printing	ESP
FlexoTip 	Flexographic printing	

Detailed dimensions

A (doctor blade width)	10.0 mm	–	80.0 mm
B (doctor blade thickness)	0.15 mm	–	0.30 mm
C (tip thickness)	0.055 mm	–	0.125 mm
D (tip width)	1.0 mm	–	1.7 mm

Achieve even higher quality printing results with ESP

TKM's ESP treatment will increase the durability of your doctor blades and your cylinders leading to significantly higher quality printing results.

- Contact zone with the highest surface quality
- Less burr formation
- Corrosion protection
- Less waste
- Time saving at printing start-up
- Less wear
- Higher durability


Doctor blade without ESP


Doctor blade with ESP

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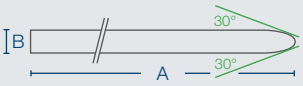
TKM MicroPrint®

The innovative precision doctor blade made of specially tempered tool steel for a higher durability of the blade. The steel micro-structure and the special production process, alongside the finishing in a patented treatment, ensure a uniform printing process. TKM MicroPrint increases the print quality, avoids printing problems and improves profitability.

Advantages

- Reduced start-up times
- For all inking systems
- Medium to high printing volumes
- Less waste
- ESP treatment

Doctor blade shape	Applications
Lamella 	Gravure and flexographic printing
Stable 2° 	Gravure and flexographic printing
FlexoTip 	Flexographic printing

Detailed dimensions

A (doctor blade width)	10.0 mm	–	80.0 mm
B (doctor blade thickness)	0.15 mm	–	0.30 mm
C (tip thickness)	0.055 mm	–	0.125 mm
D (tip width)	1.0 mm	–	1.7 mm

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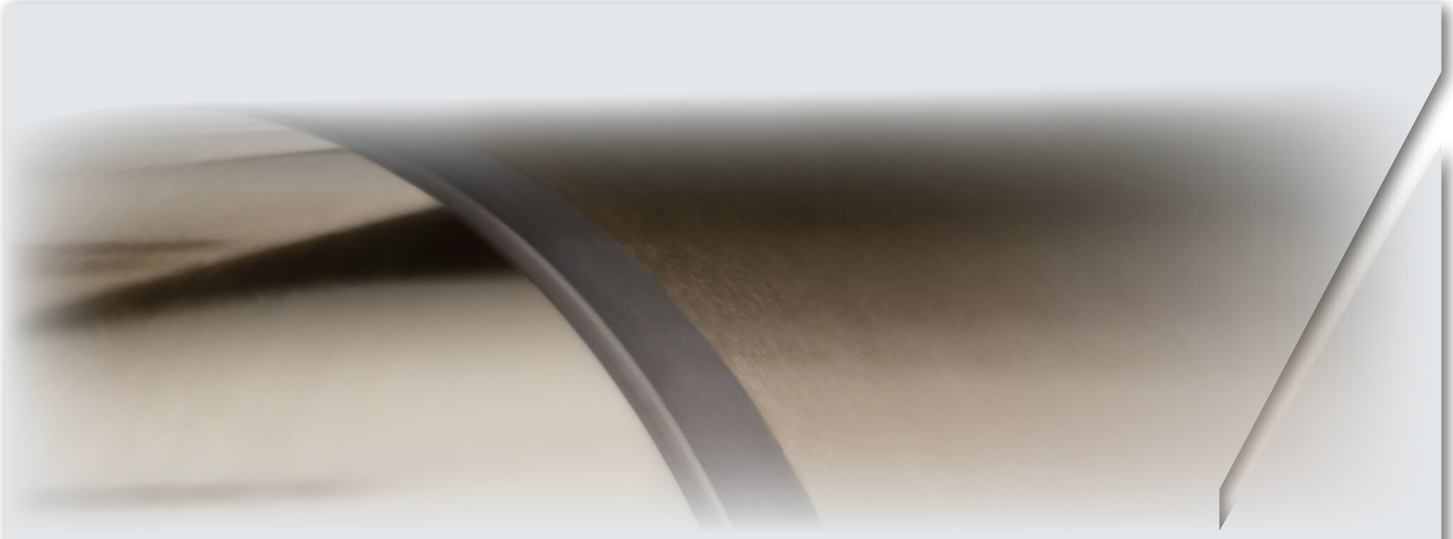


TKM CeraPrint®

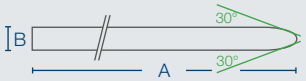
The ceramic particle coated doctor blade has an outstanding durability and reliability attributes.

Due to the latest coating technologies, TKM Meyer is able to apply an extremely homogeneous layer structure onto the blade surface. This provides TKM CeraPrint exact coating parameters for you to achieve consistent and reproducible printing results even on difficult printing jobs.

This new, highly wear-resistant coating avoids corrections of the blade angle and blade pressure during the printing process, resulting in significantly higher durability of the doctor blade and print cylinder.

Advantages

- State-of-the-art coating technology
- Reduces hazing and streaking
- Reduces machine downtimes
- High doctor blade durability
- Avoids waste
- Suitable for medium and large printing jobs
- Highly reliable and reproducible printing results even at gradients and halftones
- Suitable for all inking systems
- Safety for the operator during the entire printing process

Doctor blade shape	Applications
Lamelle 	Flexographic printing
Stable 2° 	Flexographic printing
FlexoTip 	Flexographic printing

Detailed dimensions

A (doctor blade width)	10.0 mm	–	60,0 mm
B (doctor blade thickness)	0.15 mm	–	0.30 mm
C (tip thickness)	0,055 mm	–	0,125mm
D (tip width)	1,0mm	–	1,7mm

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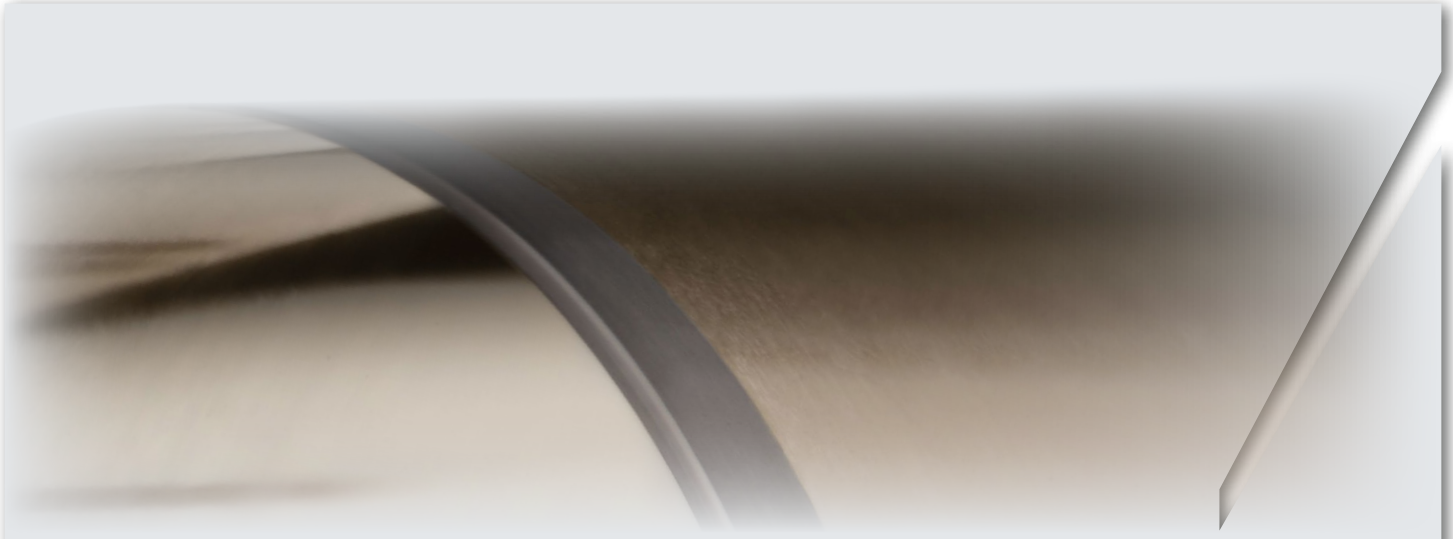

TKM CeraPrint XT®

CeraPrint XT is a ceramic coated doctor blade with high durability and reliability.

Due to the latest coating technologies, TKM Meyer is able to apply an extremely homogeneous layer structure onto the blade surface. This provides TKM CeraPrint XT exact coating parameters for you to achieve consistent and reproducible printing results, even on difficult printing jobs.

This new, highly wear-resistant coating avoids corrections of the blade angle and blade pressure during the printing process, resulting in significantly higher durability of the doctor blade and print cylinder.

Advantages

- State-of-the-art coating technology
- Reduces hazing and streaking
- Reduces machine downtime and blade changes
- High doctor blade durability
- Avoids waste
- Engineered for long runs and multiple jobs
- Highly reliable and reproducible printing results
- No tonal value increase due to blade wear
- Suitable for all inking systems
- Safety for the operator during the entire printing process

Doctor blade shape	Applications
Lamella 	Gravure printing
Stable 2° 	Gravure printing

Detailed dimensions

A (doctor blade width)	10.0 mm	–	60,0 mm
B (doctor blade thickness)	0.15 mm	–	0.30 mm
C (tip thickness)	0,065 mm	–	0,125 mm
D (tip width)	1,0 mm	–	1,7 mm

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TKM CeraFlex XT®

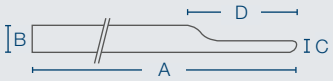
CeraFlex XT is a ceramic coated doctor blade with high durability and reliability.

Due to the latest coating technologies, TKM Meyer is able to apply an extremely homogeneous layer structure onto the blade surface. This provides TKM Ceraflex XT exact coating parameters for you to achieve consistent and reproducible printing results even on difficult printing jobs.

This new, highly wear-resistant coating avoids corrections of the blade angle and blade pressure during the printing process, resulting in significantly higher durability of the doctor blade and print cylinder.

Advantages

- State-of-the-art coating technology
- Precision engineered for extended gamut and high definition flexographic printing
- Reduces machine downtime and blade changes
- High doctor blade durability
- Avoids waste
- Engineered for long runs and multiple jobs
- Highly reliable and reproducible printing results
- No tonal value increase due to blade wear
- Suitable for all inking systems
- Safety for the operator during the entire printing process

Doctor blade shape	Applications
Lamella 	Flexographic printing
FlexoTip 	Flexographic printing

Detailed dimensions

A (doctor blade width)	10.0 mm	–	40,0 mm
B (doctor blade thickness)	0.20 mm	–	0.30 mm
C (tip thickness)	0.125 mm		
D (tip width)	1.7 mm		

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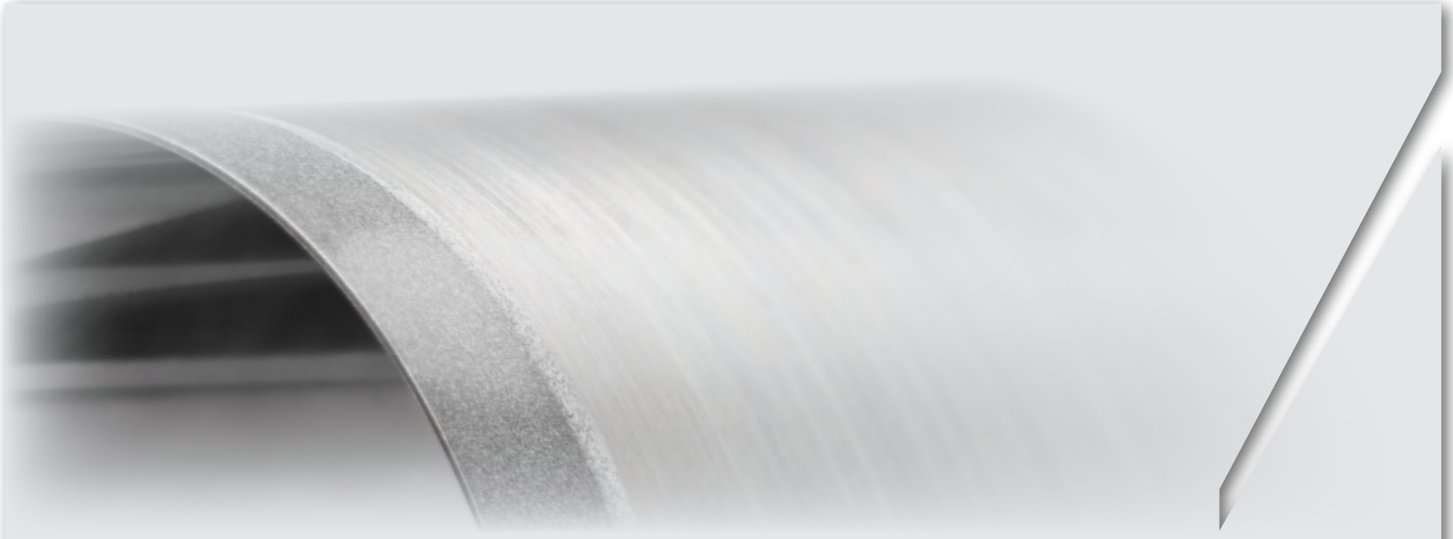

TKM DuroBlade®

DuroBlade is the optimal solution for highly abrasive inking, varnishing and coating systems in flexographic printing. The doctor blade wears down uniformly and cleanly achieving the highest durability. Due to the extremely low wear during the production process, DuroBlade is also the first choice for abrasive coating systems, guaranteeing consistently high-precision coating and ink thicknesses.

The patented coating ensures uniform print quality with a very low dot gain. DuroBlade has a corrosion-resistant NiroPrint (stainless steel) core which is gentle to anilox rolls and chrome cylinders.

TKM Duroblades are also available in the **TKM Diroblade HL+** version for the use of high line anilox rollers with low cell volume.

For fully engraved chrome cylinders we recommend the **TKM Duroblade CR.**

Advantages

- World's longest lasting doctor blade
- Reduces the number of blade changes
- Reduces printing costs
- Specially suitable for abrasive inking, varnishing and coating systems
- Avoids scoring lines
- Allows consistently ultra-precise coating thicknesses

Detailed dimensions

A (doctor blade width)	10.0 mm	–	70,0 mm
B (doctor blade thickness)	0.15 mm	–	0.30 mm

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TKM DuroBlade® HL+

TKM DuroBlade HL+ was specially developed for the particularly high demands of printing in the extended color space in Full-HD flexographic printing and the common coating and ink systems.

Due to a new coating technology, we are able to achieve an extremely fine-textured coating layer micro-structure. The result is an outstanding surface quality of the coating, leading to streak-free doctoring with insignificant bedding-in times. Excellent printing results can be expected with TKM DuroBlade HL+ specially on high line anilox rollers in combination with low cell volume.

Advantages

- No bedding-in time during the start-up phase
- Extremely high quality of the surface
- Ideal for anilox rollers with low cell volumes
- No dot gain during the entire print job
- Very uniform printing quality
- Suitable for full HD flexo printing
- Highly polished contact zone
- Avoids scoring lines
- World's longest lasting doctor blade

Detailed dimensions

A (doctor blade width)	10.0 mm	–	70.0 mm
B (doctor blade thickness)	0.20 mm	–	0.30 mm

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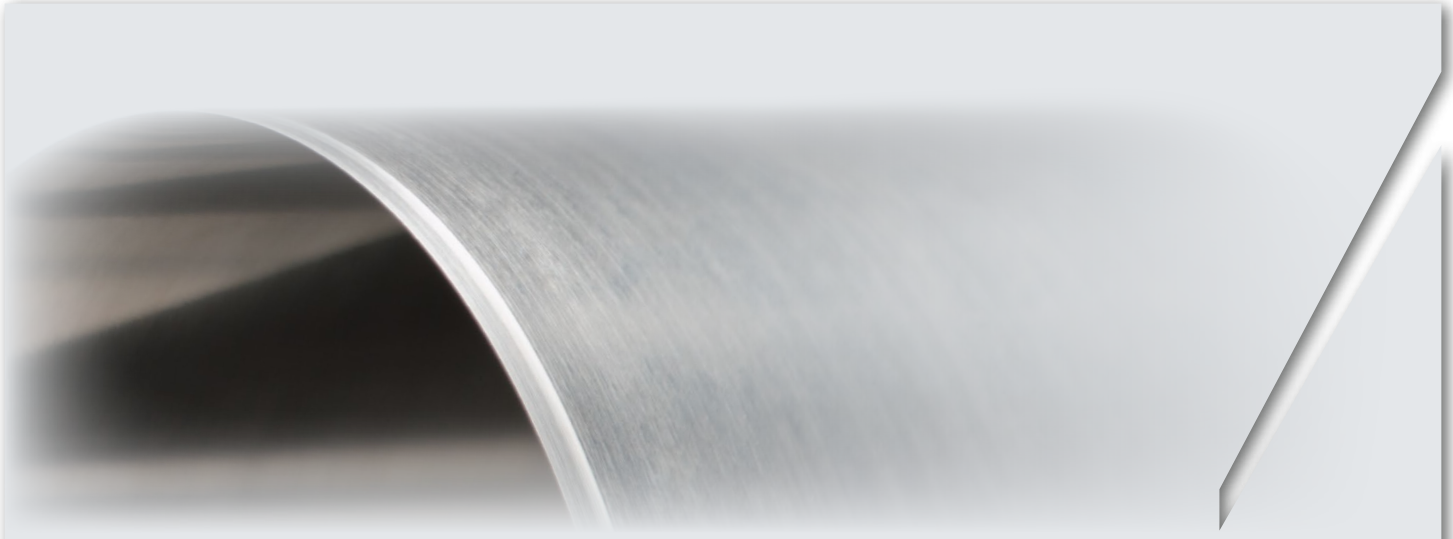


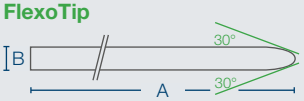
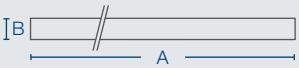
TKM NiroPrint®

The corrosion-resistant doctor blade is the optimal solution for all aggressive or water-based printing systems. TKM NiroPrint prevents any corrosion on the doctor blade, even in the critical contact zone. TKM Meyer owes its leading market position in water-based printing partially to the corrosionresistant steel grade used. NiroPrint is also used in different tip varieties – besides flexographic printing, primarily in varnishing units and therefore, in offset printing.

We, of course, supply back-up blades suitable for our high-performance doctor blades and your individual applications.

Advantages

- Corrosion-resistant
- For extreme pH values
- For water-based systems
- For all abrasive and aggressive systems
- First choice for decorative printing
- Good, clean doctoring
- Burr-free contact zone, which leads to quick bedding-in

Doctor blade shape	Applications
Lamella 	Gravure- Flexo- and offset printing
Stable 2° 	Gravure- Flexo- and offset printing
FlexoTip 	Flexo- and offset printing
Back-up blade 	Gravure printing

Detailed dimensions

A (doctor blade width)	10.0 mm	–	70.0 mm
B (doctor blade thickness)	0.10 mm	–	0.50 mm
C (tip thickness)	0.055 mm	–	0.125 mm
D (tip width)	1.0 mm	–	1.7 mm

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your competitive advantage

TKM

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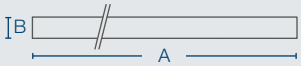
TKM TKM PolyPrint®

TKM PolyPrint is used primarily with water-based inking and varnishing systems and as a containment blade in flexographic printing. The blade prevents cutting injuries and scoring lines, since no metallic particles accumulate in the inking system.

Given the wide variety of application requirements, we also offer TKM PolyPrint in other materials in addition to polyester, and in different tip shapes.

Advantages

- Containment blades
- All water-based inking systems
- Prevents injuries
- Avoids scoring lines
- Customer-specific tips and shapes

Doctor blade shape	Applications
Bevel 	Flexographic printing
Straight 	Flexographic printing

Detailed dimensions			
A (doctor blade width)	10.0 mm	–	120.0 mm
B (doctor blade thickness)	0.19 mm	–	0.50 mm

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