

# TKM MeyerPrint®



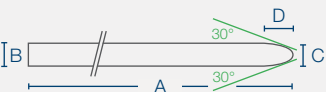
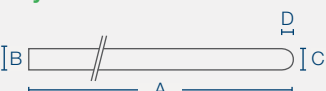
Made in Germany

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
<b>Lamella</b> 	Gravure and flexographic printing	ESP and Protect
<b>Stable 2°</b> 	Gravure and flexographic printing	ESP and Protect
<b>FlexoTip</b> 	Flexographic printing	Protect
<b>MeyerFlex</b> 	Flexographic printing	

## Detailed dimensions

A (doctor blade width)	10.0 mm – 80.0 mm
B (doctor blade thickness)	0.07 mm – 0.5 mm
C (tip thickness)	0.055 mm – 0.125 mm*
D (tip width)	1.0 mm – 1.7 mm

\* Thicker tips also possible

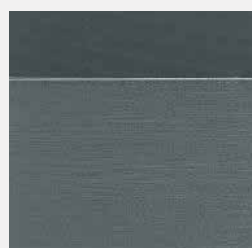
## Achieve even higher quality printing results with ESP and Protect

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

TKM Meyer is certified according to the following standards:

DIN ISO 9001 | DIN ISO 14001 | DIN ISO 50001

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www.tkmmeyer.com




# TKM OptiPrint®

Made in Germany

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 20% higher durability
- Less cylinder wear
- Short start-up times (gravure)
- Continuous high print quality
- Less waste
- Reduced machine downtime

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

## Detailed dimensions

A (doctor blade width)	10.0 mm – 80.0 mm
B (doctor blade thickness)	0.15 mm – 0.3 mm
C (tip thickness)	0.055 mm – 0.125 mm
D (tip width)	1.0 mm – 1.7 mm

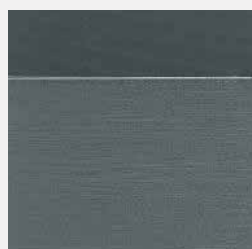
## Achieve even higher quality printing results with ESP and Protect

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 surface quality
- Less burr formation
- Corrosion protection
- Less waste
- Time saving on printing start-up
- Less wear
- Higher durability



Doctor blade without ESP



Doctor blade with ESP



Doctor blade with Protect

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# TKM PowerPrint®

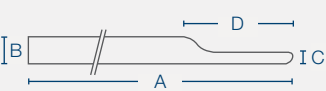
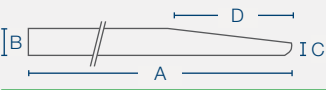

Made in Germany

For PowerPrint, we use high-alloy tool steel that is produced exclusively for TKM Meyer. 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
- Is 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

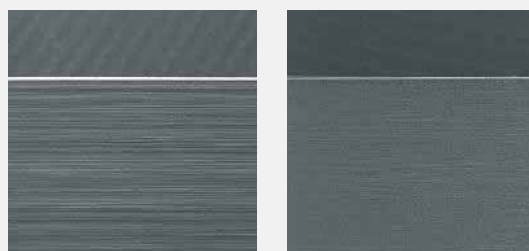
Doctor blade shape	Applications	Coatings
<b>Lamella</b> 	Gravure and flexographic printing	ESP
<b>Stable 2°</b> 	Gravure and flexographic printing	ESP
<b>FlexoTip</b> 	Flexographic printing	

## Detailed dimensions

A (doctor blade width)	10.0 mm – 80.0 mm
B (doctor blade thickness)	0.15 mm – 0.3 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.



Doctor blade without ESP

Doctor blade with ESP

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

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# TKM MicroPrint®

Made in Germany

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

### Detailed dimensions

#### Lamella



Gravure and flexographic printing

#### Stable 2°



Gravure and flexographic printing

#### FlexoTip



Flexographic printing

A (doctor blade width)	10.0 mm	–	80.0 mm
B (doctor blade thickness)	0.15 mm	–	0.3 mm
C (tip thickness)	0.055 mm	–	0.125 mm
D (tip width)	1.0 mm	–	1.7 mm

# TKM CeraPrint®

Made in Germany

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 at low blade pressure
- 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

#### Lamella



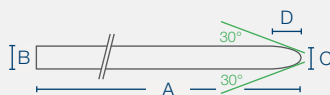
Gravure and flexographic printing

#### Stable 2°



Gravure and flexographic printing

#### FlexoTip



Flexographic printing

### Detailed dimensions

A (doctor blade width)	10.0 mm	–	60.0 mm
B (doctor blade thickness)	0.15 mm	–	0.3 mm
C (tip thickness)	0.055 mm	–	1.5 mm
D (tip width)	1.0 mm	–	1.7 mm

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# TKM DuroBlade®

Made in Germany

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 from now on in the **TKM DuroBlade HL** version for the use of anilox rollers with low cell volumes and full-surface engraved chrome cylinders.

## Advantages

- Reduces the number of blade changes
- Extremely high durability
- Reduction of the friction coefficient through lower blade pressure
- Reduces printing costs
- Specially suitable for abrasive inking, varnishing and coating systems
- Avoids scoring lines
- Is gentle to cylinder surfaces
- Allows consistently ultra-precise coating thicknesses

## Detailed dimensions

A (doctor blade width)	10.0 mm	–	80.0 mm
B (doctor blade thickness)	0.2 mm	–	0.305 mm

## TKM DuroBlade® HL

Made in Germany

TKM DuroBlade HL has been specially designed for the rigorous requirements of printing with all regular ink types, as well as for the use on 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-density screen 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

### Detailed dimensions

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A (doctor blade width)	10.0 mm	–	80.0 mm
B (doctor blade thickness)	0.152 mm	–	0.305 mm

# TKM NiroPrint®

Made in Germany

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 flexographic printing partially to the corrosion-resistant 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
- Also suitable for decorative printing
- Good, clean doctoring
- Burr-free contact zone, which leads to quick bedding-in

### Doctor blade shape

### Applications

### Detailed dimensions

#### Lamella



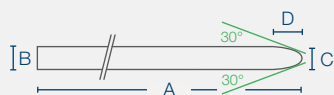
Flexographic printing  
and offset printing

#### Stable 2°



Flexographic printing  
and offset printing

#### FlexoTip



Flexographic printing  
and offset printing

#### Back-up blade



Flexographic printing  
and offset printing

A (doctor blade width)	10.0 mm – 70.0 mm
B (doctor blade thickness)	0.1 mm – 0.5 mm
C (tip thickness)	0.055 mm – 0.125 mm*
D (tip width)	1.0 mm – 1.7 mm

\* Thicker tips also possible

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# TKM PolyPrint®

Made in Germany

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

### Detailed dimensions

#### Bevel



Flexographic printing

A (doctor blade width)	10.0 mm	–	120.0 mm
B (doctor blade thickness)	0.19 mm	–	0.5 mm

#### Straight



Flexographic printing

## TKM ScreenPrint®

Made in Germany

TKM ScreenPrint was specially developed for rotary screen printing. It is used in decorative, wallpaper, security and textile printing, but also in label printing as an interior doctor blade for round screens, preventing damages to the serigraphic screen.

TKM ScreenPrint is corrosion-resistant; various versions are equipped with a rubber lip. Besides outstanding mechanical wear resistance, it offers high elasticity, low pressure deformation and extremely high resistance to a wide variety of solvents.

TKM Meyer's many years of experience as a leading supplier of wash-up blades has helped to design this blade ideal for customer applications. TKM ScreenPrint is supplied cut to length and can be used immediately, even for water-based systems, regardless of the pH level.

TKM ScreenPrint has been very successfully tested by leading machine manufacturers.

### Advantages

- All inking and varnishing systems
- Corrosion-resistant
- Shore hardness of 65-80
- High elasticity and high wear resistance
- Solvent-resistant

### Doctor blade shape



### Applications

Rotary screen printing

### Detailed dimensions

A (doctor blade width)	20.0 mm – 120.0 mm
B (doctor blade thickness)	0.2 mm
C (rubber lip thickness)	0.055 mm – 1.8 mm
D (rubber lip width)	60.0 mm – 80.0 mm

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