



**F.A.**  
**SCHMIDT**  
since 1845



SCAN ME  
FOR MORE

*Since  
1845*

# A Legacy Forged in Steel

In 1845, Franz Arnold Schmidt founded F.A. Schmidt in the rural village of Morsbach, now part of Remscheid. With a passion for craftsmanship, he began producing high-quality tools, saws, and knives made of steel.

His son Carl Schmidt continued to grow the business, followed by his own son, Gustav Schmidt, who built the factory building that still stands today, a testament to the company's enduring legacy, completed in 1908.

Gustav's son, Franz Arnold Schmidt II, led the company into the modern era until 1966, when he passed the reins to his son Peter Schmidt, the fifth generation of the family.

For over 50 years, Peter Schmidt guided the company with dedication and success, until his

passing in 2019 at the age of 76.

Since 2000, his son-in-law Markus Feldhoff, who joined the management team that same year has carried the legacy forward.

With deep respect for the family's values and traditions, he continues to lead the company into the future, now representing the sixth generation of Schmidt family leadership.

Today, F.A. Schmidt proudly manufactures premium-quality products under its registered trademark "Anchor-Heart."

With deep roots in tradition and a forward-looking spirit, the brand has earned a strong reputation both locally and around the globe - exporting to over 90 countries worldwide.



Franz Arnold  
Schmidt



Carl  
Schmidt



Gustav  
Schmidt



Franz Arnold  
Schmidt II



Peter  
Schmidt



Markus  
Feldhoff

ANCHOR-HEART



*Forged for Generations*  
*Made in Germany since 1845*

# What does the Anchor-Heart stand for?

Our logo unites three powerful symbols - a cross, a heart, and an anchor - each capturing a core part of who we are and how we work.

The cross stands for structure, clarity, and integrity.

It reflects our commitment to doing things right - with direction, consistency, and a strong sense of responsibility our clients can rely on.

The heart represents the human side of everything we do.

It symbolizes empathy, trust, and the care we bring to every partnership.

The letters within - F. A. S - honour our founder, Franz Arnold Schmidt, and the values he passed on.

The anchor grounds us.

It stands for reliability, stability, and long-term support, especially in times of uncertainty. We're the steady hand our partners can count on.

The bold red and black colour scheme reinforces these values.

Red reflects energy, passion, and the dedication, the “blood and sweat”, behind everything we do.

Black adds contrast and depth, symbolizing professionalism, strength, and timeless tradition.

Together, these elements reflect who we are:

Grounded. Driven. People-focused. **Since 1845.**

**Our slogan, “Forged for generations,” says it all.**

It speaks to the legacy we've built across six generations – and the future we're shaping, with the same strength and resilience that define German steel.



## SCHMIDT family (1857)

Franz Arnold Schmidt, the founder of F.A. Schmidt in 1845  
*(Bottom row, first from the left)*



ANDON-HEART



*Forged for Generations*  
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# RASPER BLADES

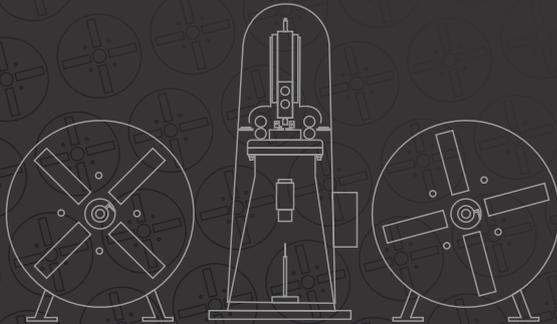
## for the starch industry

### Why choose Anchor-Heart. rasper blades – Made in Germany?

Schmidt is the global leader in supplying rasper blades for the starch industry.

With over 80 years of experience as a trusted partner, we deliver proven expertise and top-tier quality.

Our blades offer exceptional durability and help maximize starch yield – giving you the best possible return on investment.

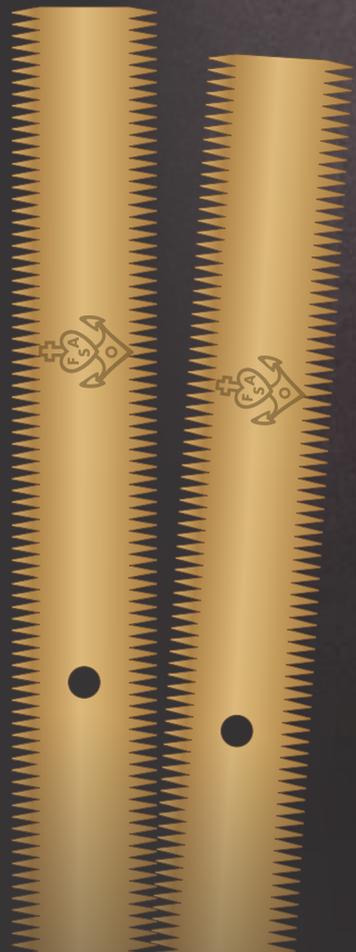


### What sets F.A. Schmidt Tapioca Rasper Blades apart?

- **High-grade German steel**, developed especially for rasper blades
- **Special hardening process** for superior strength and long-lasting performance
- **Excellent resistance** to wear and contamination even from sand or stones
- **Customizable tooth density:** choose the right number of teeth per inch for your needs
- **Signature golden surface coating** for extra protection
- **Boost starch yield by 1.5% to 2%**

### Anchor-Heart. Quality Promise

- **Manufactured with precision** and cutting-edge technology
- **Continuous quality checks** throughout production
- **Every blade is visually and technically inspected**
- **Strict quality standards** to eliminate defects and ensure consistent, flawless results



# Tooth Configurations

Choose the perfect match for your process



15 tpi

## **15 Teeth per inch - 364 Teeth per 600 mm**

- Ideal for off-season or lower-intensity processing
- Maximum durability
- Perfect for machines with frequent start-stop operation



17 tpi

## **17 Teeth per Inch – 401 Teeth per 600 mm**

- Our global standard – the most popular choice among our customers
- Excellent all-round rasper blade for daily use
- Very high starch yield
- Long-lasting performance
- Strong resistance to contaminants like sand and stones



19 tpi

## **19 Teeth per Inch – 448 teeth per 600 mm**

- Even higher starch yield
- Fine rasping for precise gentle processing
- Efficient performance at lower rasper speeds



21 tpi

## **21 Teeth per Inch – 496 teeth per 600 mm**

- Highest starch yield
- Designed for maximum starch extraction
- More durable than local rasper blades
- Runs efficiently even at lower rasper speeds





## Unmatched quality & performance

The quality and performance of our **ANCHOR-HEART** rasper blades are recognized around the world.

That's why we are the **original equipment manufacturer (OEM)** for **nearly all major rasper machine brands**.

Independent tests by our customers confirm:

- **Longer service life** than other rasper blades
- **Maximum starch yield** for greater efficiency
- **Uncompromising quality**, meeting the highest industry standards

# Anchor-Heart Rasper Blades Precision & Reliability

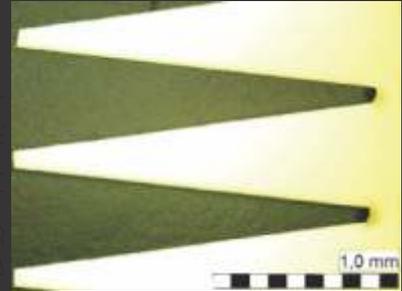
## Anchor-Heart Rasper Blade

*Clear and sharp edges and tips for superior rasping performance* ✓

*Exceptionally even starch extraction for maximum efficiency* ✓

*Robust design prevents tooth breakage* ✓

*No risk of contamination – no fragments entering the starch* ✓



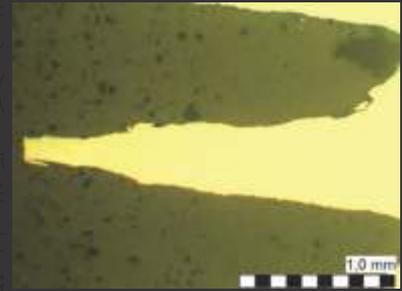
## Local sample – Common issues

*Rough teeth with broken tips and edges* ✗

*Inconsistent starch extraction results* ✗

*Higher risk of breakage due to weak structure* ✗

*Potential contamination – broken fragments can enter the starch* ✗



## Issues with the hardening process lead to reduced durability

**Close-up image analysis of local sample:**

*Visible "white lines and spots" indicate newly formed carbides at grain boundaries* ■

*These structural weaknesses cause increased tooth breakage under stress conditions* ■



## ***Test results of local / competitors Rasper Blades***

*"The surface of the teeth reveals issues with the hardening process.*

*The tips of the teeth show a high concentration of newly formed carbides.*

*Due to the roughness of the teeth and the brittleness of the hardened material, it is predictable that the teeth will break more easily."*

***Dr.-Ing. Oliver Storz,***  
*Institute of material analysis, 2025*



# NEW RASPER BLADES

A milestone in innovation developed by our R&D team

To mark our 180th anniversary, we're proud to unveil the latest evolution in rasper blade technology: Longer teeth for longer life.

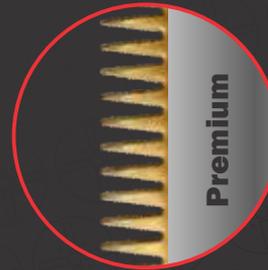
Already known for world-class durability, our blades now set a new benchmark in performance and longevity.

But we didn't stop there. Our R&D team also refined the forging and cooling process, making the hardened steel even more resilient and ensuring a perfectly balanced strength across every single blade.

This breakthrough doesn't just raise our internal quality standards, it also delivers greater efficiency and long-term savings for our customers.

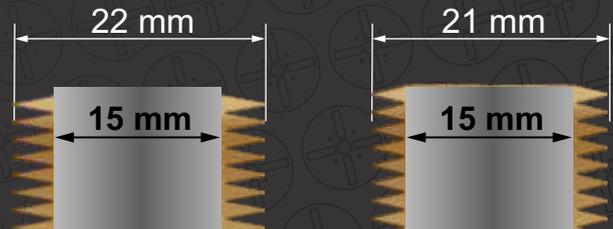


## Visual COMPARISON 600 mm x 22mm VS 600 mm x 21 mm



- Longer teeth (3.1 mm - 3.3 mm)
- Even more starch yield (up to 2 - 3%)\*
- Premium German steel quality
- New innovative teeth forging system
- Longer teeth (2.6 mm - 2.9 mm)
- More starch yield (up to 1 - 2%)\*
- German steel quality (standard)
- Special teeth forging system

\* test comparison of 'Anker-Herz' to other local scraper blade brands





THE ANCHOR HEART BAKERY

ANCHOR HEART



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# CLAMPING BARS for rasper blades with holes

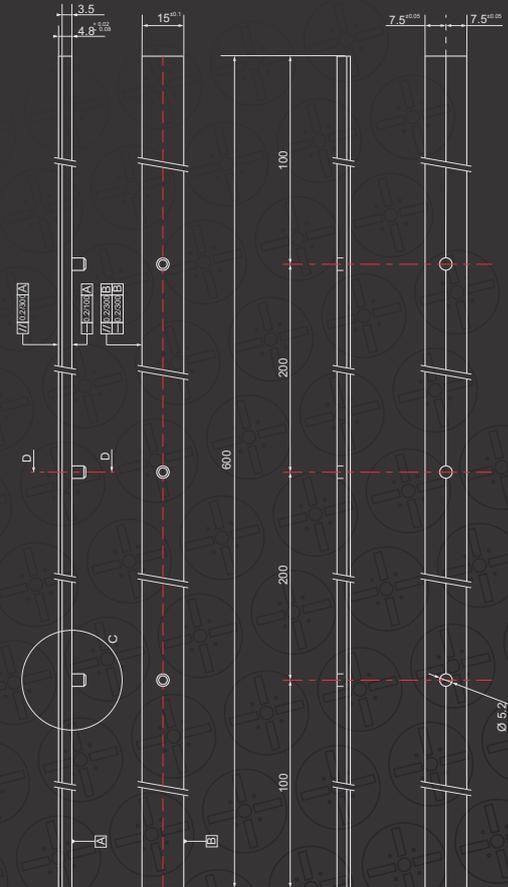
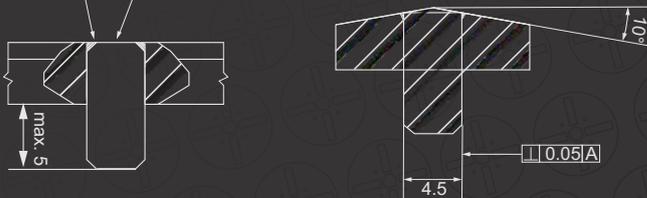
- Made of high-strength stainless section steel (15 × 4.8 mm)
- Manufactured in compliance with DIN / FAS 11333 / 2.2
- Compatible with rasper machines from:  
HOVEX – LARSSON – SICCADANIA – NIVOPA – THAI  
GERMAN – STAMEX

## Available lengths:



Welded smoothed dressed  
no overhang

Cylindrical pin DIN EN 2281 4.5 x 10 mm



# NEW GENERATION of CLAMPING BARS

Maximum precision

Optimised TIG welding process

Rust-free

High dimensional accuracy  
due to CNC fabrication



DOWNLOAD THIS  
CATALOG ONLINE

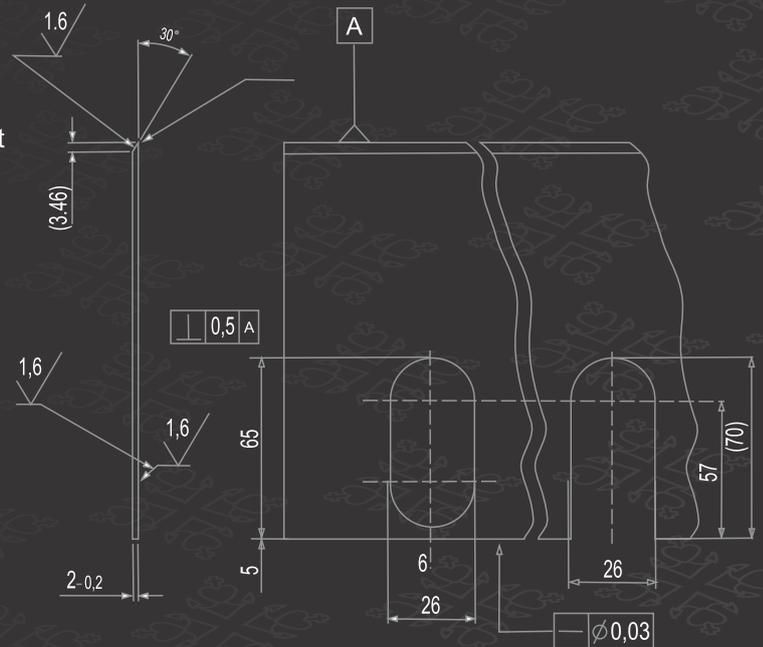


# Scraper knives for drum dryer

- Manufactured in standard dimensions – or customized according to your drawing or template
- Made from hardened and polished German chromium steel
- Burr-free and straight blades ensure clean and efficient product scraping from the drum
- Expert advice on coatings and surface treatments available
- Regrinding service upon request

## Standard dimensions:

- 3020 x 165 x 2,0 mm
- 4020 x 165 x 2,0 mm
- 4010 x 110 x 2,0 mm
- 4500 x 165 x 2,0 mm
- 4030 x 165 x 3,0 mm
- 2650 x 155 x 3,5 mm
- 3015 x 155 x 3,5 mm
- 4015 x 155 x 3,5 mm
- 3030 x 180 x 3,5 mm
- 4520 x 165 x 3,5 mm





# QR Blades for drum dryer

We are committed to delivering high-performance, reliable, and efficient solutions that elevate your production process.

Whether you need standard, high-performance, or stainless steel QR blades – our products are engineered to **minimize downtime** and **maximize efficiency**. Discover how our cutting-edge technology can boost your plant's output and lower production costs.

## Performance QR Blade

Built for durability and consistent performance. Provides reliable scraping power for everyday use.

## High-Performance QR Blade

Features a hard metal tip for extreme durability and heavy-duty operation. Combines long-lasting sharpness with efficient starch removal. Reduces machine downtime and increases hourly output.

## Stainless Steel QR Blade

Rust-free, corrosion-resistant, and precision-engineered for maximum scraping performance. Ideal for food processing, requires minimal maintenance and ensures long-term storage stability

- ✔ Easy handling compared to traditional knives
- ✔ Quick and easy blade replacements with minimal downtime
- ✔ No loss of durability vs. conventional blades



*Forged for Generations*  
*Made in Germany since 1845*



# Benefits of using our QR blades

Our system is designed to keep your operations running smoothly – with minimal interruption

**Changing blades is quick and easy:** simply pull out the old blade and insert the new one – no adjustments needed!

The thin scraper blade automatically adapts to the drum surface, ensuring a perfect fit every time

Made from special-grade steel, our blades deliver outstanding service life – even under tough conditions.

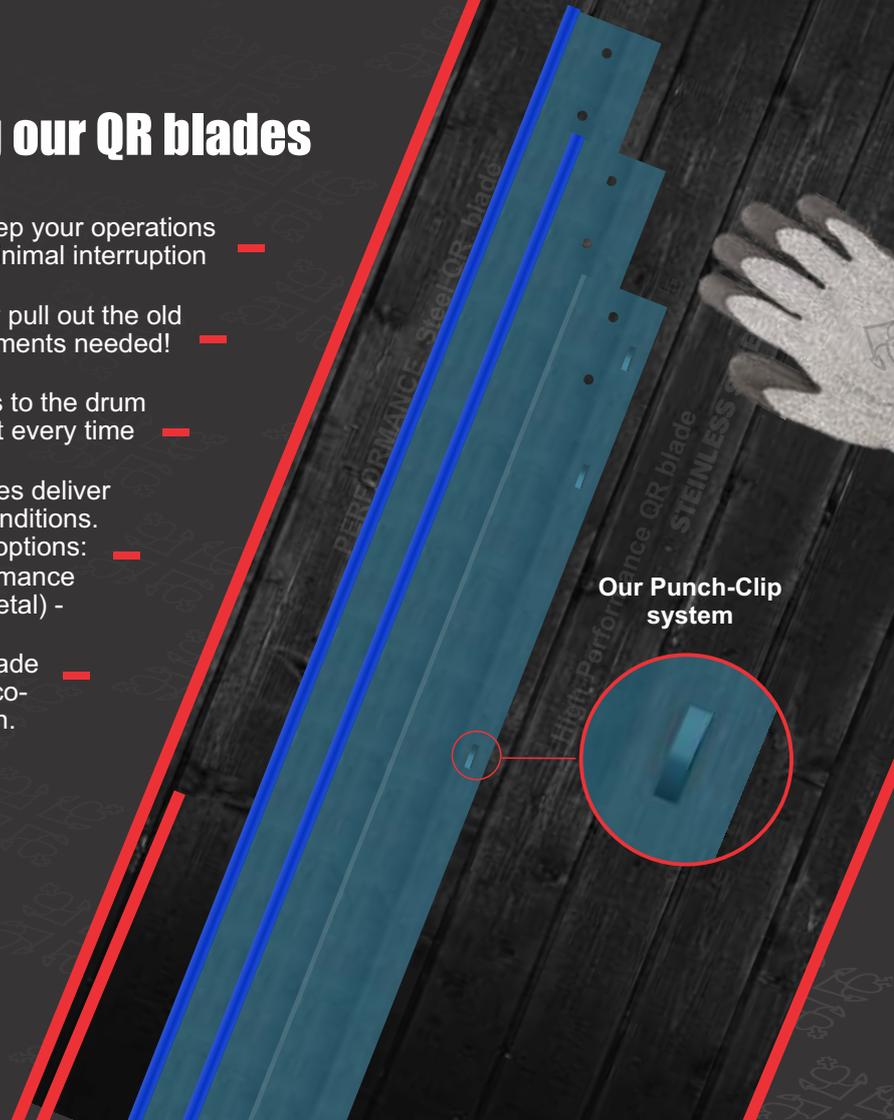
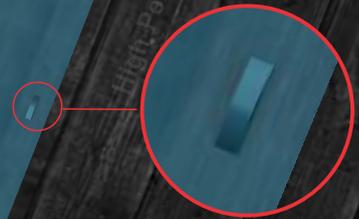
You can choose between three options:

- Performance - Stainless Steel - High-Performance (Bi-metal) -

Both the scraper blade and the protective blade cover are fully recyclable, making this an eco-friendly choice for your operation.



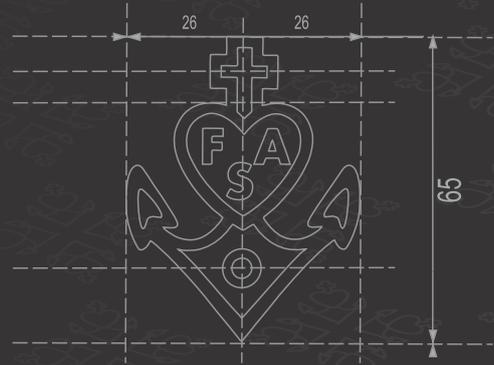
**Our Punch-Clip system**



# PRECISION BLADES, CUSTOM-MADE FOR EVERY SHAPE AND SIZE

We specialize in custom blade manufacturing using state-of-the-art laser cutting technology. Our experienced engineers support you throughout the entire process to ensure each blade meets your exact specifications – in shape, size, and material. From concept to completion, we are committed to delivering high-quality, tailor-made solutions.

Serving industries such as **paper, wood, steel, leather, food, and plastics**, F.A. Schmidt offers a customized knife program to meet even the most demanding requirements – providing the perfect blade for every application.



## Blade Customization Process

### 1. Submit Drawing or Sample

Send us a detailed technical drawing or a physical sample for reference.

### 2. Production Drawing Preparation

We create precise production drawings based on your input and requirements.

### 3. Drawing Confirmation

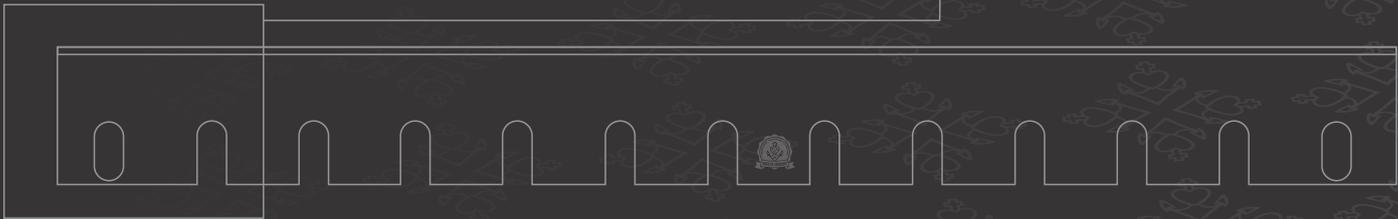
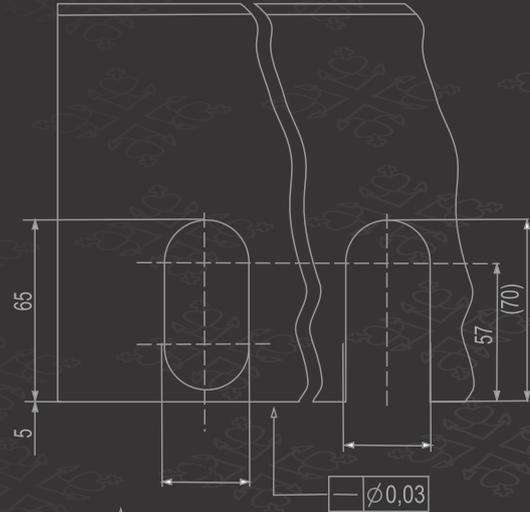
Dimensions, tolerances, and blade specifications are reviewed and confirmed by both parties.

### 4. Material Selection

Choose your preferred material – or let us know the blade's intended use, and our experts will recommend the best option.

### 5. Production & Quality Control

We take care of material preparation, manufacturing, thorough quality inspections, and final packaging for shipment.



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**F.A. Schmidt GmbH & Co. KG**

Morsbach 27, D-42857 Remscheid

Phone: +49 (0) 2191 691000

E-Mail: [info@faschmidt.de](mailto:info@faschmidt.de)

**MADE IN  
GERMANY**

