

EVER PADS

Quick-change Tool Holder System & Gen E Milling Drum



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OUR PROMISE
Quality • Service • Integrity

30 YEARS OF EVOLUTION MAKE US A GLOBAL LEADER IN ROAD MACHINERY SPARE PARTS MANUFACTURING.

For the past 30 years, EVERPADS has been active in more than 10 million successful construction projects with 48,000 customers worldwide, making our company and products world-renowned because of our focus and expertise on heavy machinery spare parts. We know how difficult it is to complete a construction project when spare parts contribute to high maintenance costs and machine downtime. These are the primary reasons why EVERPADS has dedicated our efforts to developing and manufacturing high-performance spare parts.

“*EVERPADS provides 80 percent of the asphalt milling machine model parts for major brands, such as Wirtgen, Caterpillar, and more, who trust our manufacturing precision.*”

EVERPADS IS AT THE FOREFRONT OF MILLING MACHINE SPARE PARTS MANUFACTURING

At EVERPADS, with our significant R&D investments, we are continually discovering and implementing operational advantages and cost-saving spare parts solutions for optimizing milling machine performance.

The tool holder system and milling drum are several of the milling system's core technologies, and we've improved both with multiple innovative worldwide patented designs to surpass other market brands.

In addition to our superior milling teeth, see why our patented T12 Quick-change Tool Holder and Gen-E Milling Drum give your milling projects the edge needed to achieve each unique project's goals.

TH12 QUICK-CHANGE TOOL HOLDER

TH12 Quick-change Tool Holder Optimizes Your Everyday Milling Project

The cold milling machine's rigorous activities require particular attention to the smallest details in spare parts, whether expediting tool changes or efficiently ejecting waste particles. The tool holder is critical to protecting the milling drum from wear and tear and having to replace it at a substantial cost, and it also enables milling teeth rotation performance. The EVERPADS approach to achieving exceptional quality begins with our process, including our OEM-Certified production line so we can deliver the best tool holder with these stages:

EVERPADS MILLING TOOL HOLDER PRODUCTION LINE

- **R&D:** dedicated teams continually improve and fortify designs
- **Forging:** special alloy steel makes the part more durable
- **ABP Heat Induction:** enhances the tool holder wear resistance drum and match the milling teeth
- **Quality Control:** prevents premature failure possibilities

Our numerous patents lay the foundation for the EVERPADS production process. They set a precedent for precision manufacturing in our TH12 Quick-change Tool Holder solution, accommodating rapid change-out of tools and other benefits.

Each aspect of our tool holder system is carefully evaluated and researched for continual improvement in design and manufacturing, gaining maximum longevity and enhanced performance for your machinery with these features:



HOW TH12 QUICK-CHANGE TOOL HOLDER WITHSTAND YOUR EVERYDAY MILLING PROJECT

Th12 Quick-Change Tool Holder System

One of the challenges operators face is that the tool holder (upper part), installed on the tool base, requires maintenance every 500 hours, so the tool holder condition prevents wear and tear to the tool base. Our tool holder offers these solutions:

GREATER WEAR VOLUME FOR LONGER SERVICE LIFE

Increased wear volume of the tool holder contact area protects the tool base from waste particles during the milling operation for a longer lifespan.

OPTIMIZED GEOMETRIC DESIGN TO ABSORB HIGHER CUTTING FORCE

The TH12 optimized geometric design enlarges the contact surface between the tool base and tool holder by 23%, providing the milling force with higher load absorption and increasing the milling drum service life.

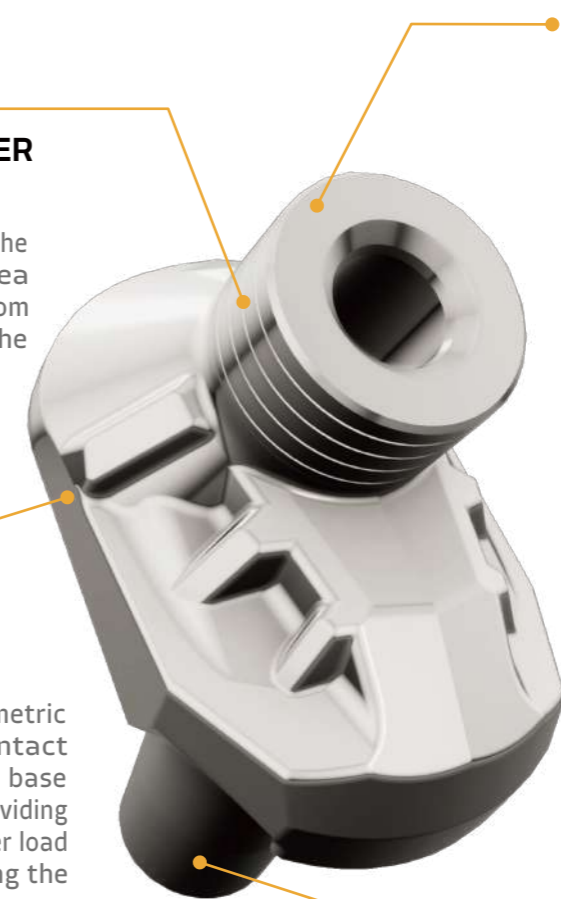
OPTIMIZED CENTER BEVEL ANGLE TO MAXIMIZE MILLING TEETH ROTATION EFFICIENCY

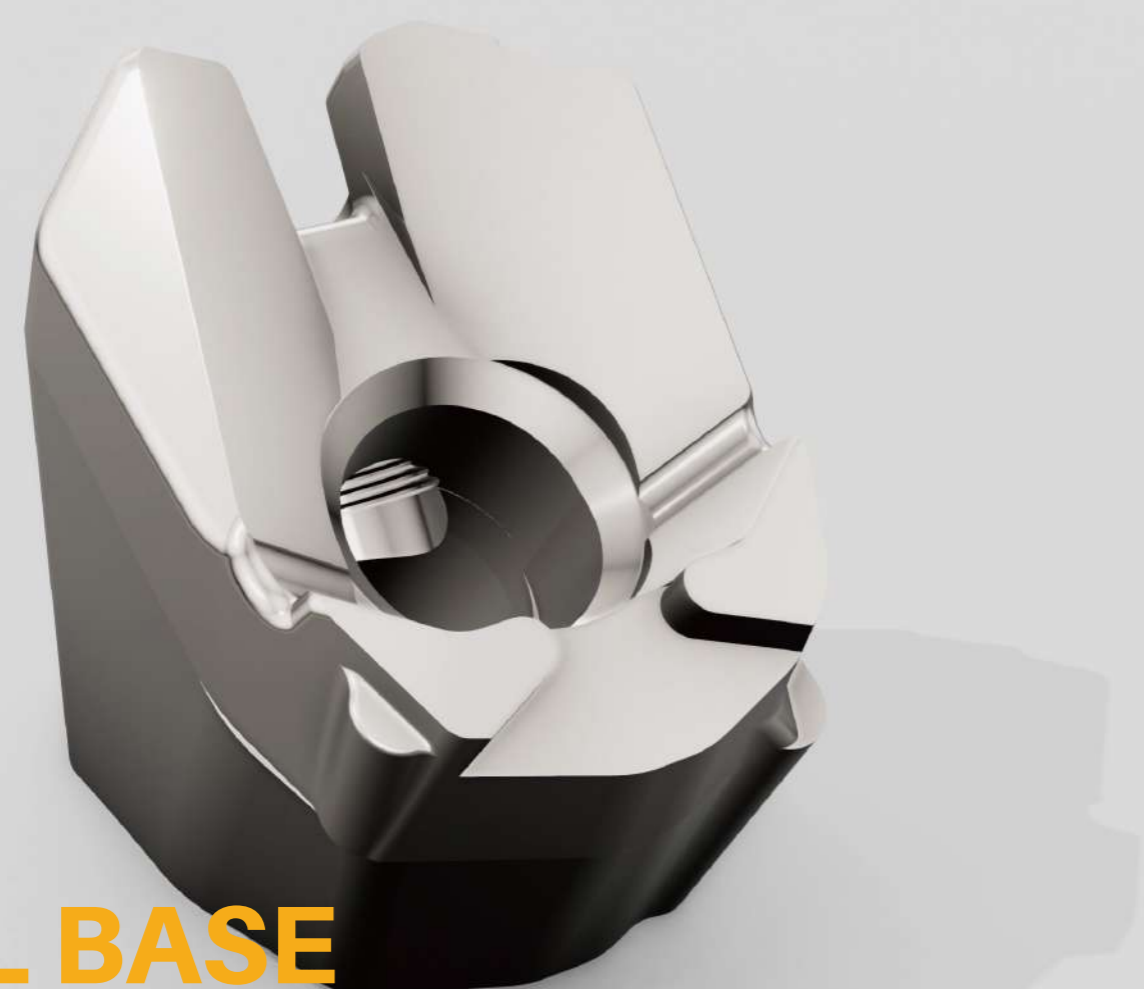
Rotation efficiency is crucial for milling teeth, so partial wear doesn't shorten the lifespan. The TH12 tool holder, attached to the drum, has an optimized center bevel angle, giving milling teeth a centralized position to increase rotation.

PROPRIETARY SHANK DESIGN TO EXTEND MILLING DRUM SERVICE LIFE AND REDUCE MAINTENANCE EFFORTS

Our innovative proprietary shank design fully centers with the tool base, assuring a maximum centralized attachment for the tool base itself to prevent tool holder loosening. Therefore, it is not solely dependent on the tool holder bolt, never loosening and increasing the milling drum's service life.

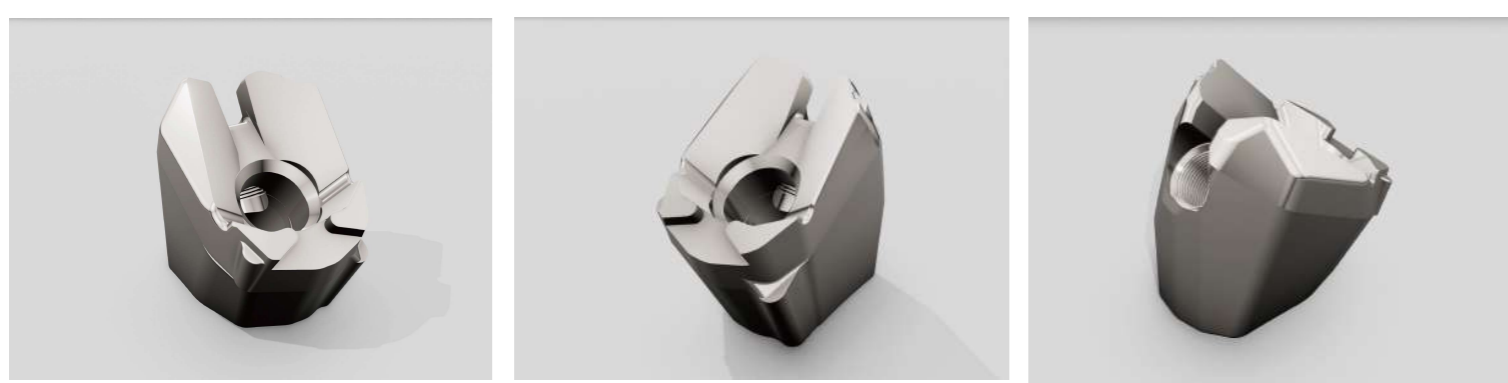
The shank's geometric design also increased in thickness and strength with an advanced heat treatment to provide high-capacity loading and enhance upper part property strength





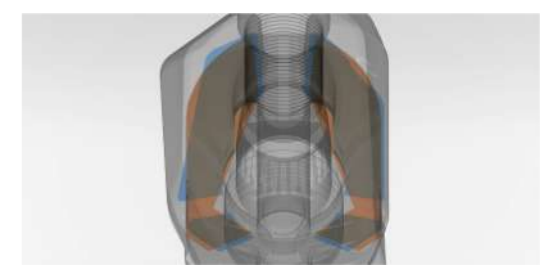
TOOL BASE

The enormous shear force encountered by the milling drum constantly shifts the tool holder's position during cutting, naturally causing wear and tear on the tool base. If solely dependent on the tool holder screw, it will cause premature failure. Our designs solve these challenges, to include:



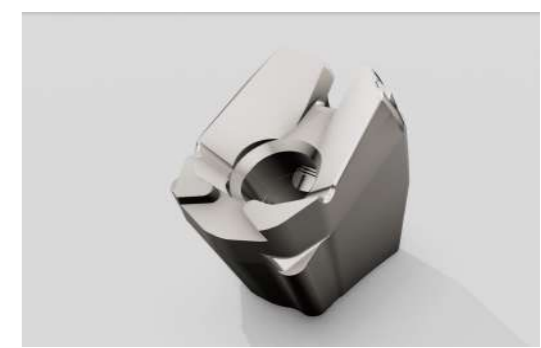
OPTIMIZED SURFACE GEOMETRY FOR EXTREME MAXIMUM LOAD CAPABILITY

The optimized surface geometry completely aligns the tool holder, allowing the maximum force load and preventing unexpected wear and loosening.



PATENTED GROOVE DESIGN OF TOOL BASE FOR MAXIMUM PROTECTION FOR THE TOOL HOLDER SYSTEM

The patented groove design of the tool base back offers greater protection for extreme loads and crashes against hard objects because it will not loosen, avoiding damage to the base by external forces.



NEW SURFACE GEOMETRY COMPLETELY

Aligns the tool holder, allowing the maximum force load and preventing wear and loosening.



TOOL BASE PATENT GROOVE DESIGN

Back supplies greater protection against extreme loads and crushing on hard objects (manhole covers).

EVERPADS E-TYPE MILLING DRUM

We've Helped 300 Aftermarket Milling Machines Save Money by Replacing Parts instead of the Entire Drum.

Changing milling drums is a high-maintenance investment that can't be ignored or compromised. Milling drums are the heart of the cold planer and require extensive knowledge and manufacturer competence to fulfill tasks and produce superior cutting performance experiences.

CHOOSING A RELIABLE MILLING DRUM SUPPLIER REQUIRES MULTIPLE FACTORS TO CONSIDER:

- **Quality**
- **Manufacturer capability**
- **Milling drum performance, including milled surface flatness, edge precision, texture consistency, the capability of ejecting material particles, and maintaining precise angles to minimize milling teeth wear and tear.**
- **Deliverability**



E-TYPE MILLING DRUM

The EVERPADS state-of-the-art, intelligent manufacturing process produces the Gen-E Milling drum with a focus on maintenance cost-savings and enhanced performance for longer service life with these features:

PRECISE TOOL BASE POSITIONING BASED ON DECADES OF RESEARCH AND FIELD TESTS

ROBOTIC IMPLEMENTATION FOR THE MOST PRECISE, EVENLY MILLED SURFACES

After 20 years of experience and field testing, we have found the best milling efficiency and the best milling performance, making our milling drum arrangement the most precise. We manufacture for Wirtgen and CAT, also providing customization services to manage your needs.



CONSISTENT RESULTS

Automated 3D positioning of robotic arms implement every tool base welding, eliminating unexpected errors and delivering strict accuracy tool base alignment for a precise positioning angle. As a result, the e-milling drum system constantly provides peak performance.



ADVANCED ALIGNMENT TO MINIMIZE MILLING TEETH WEAR AND TEAR

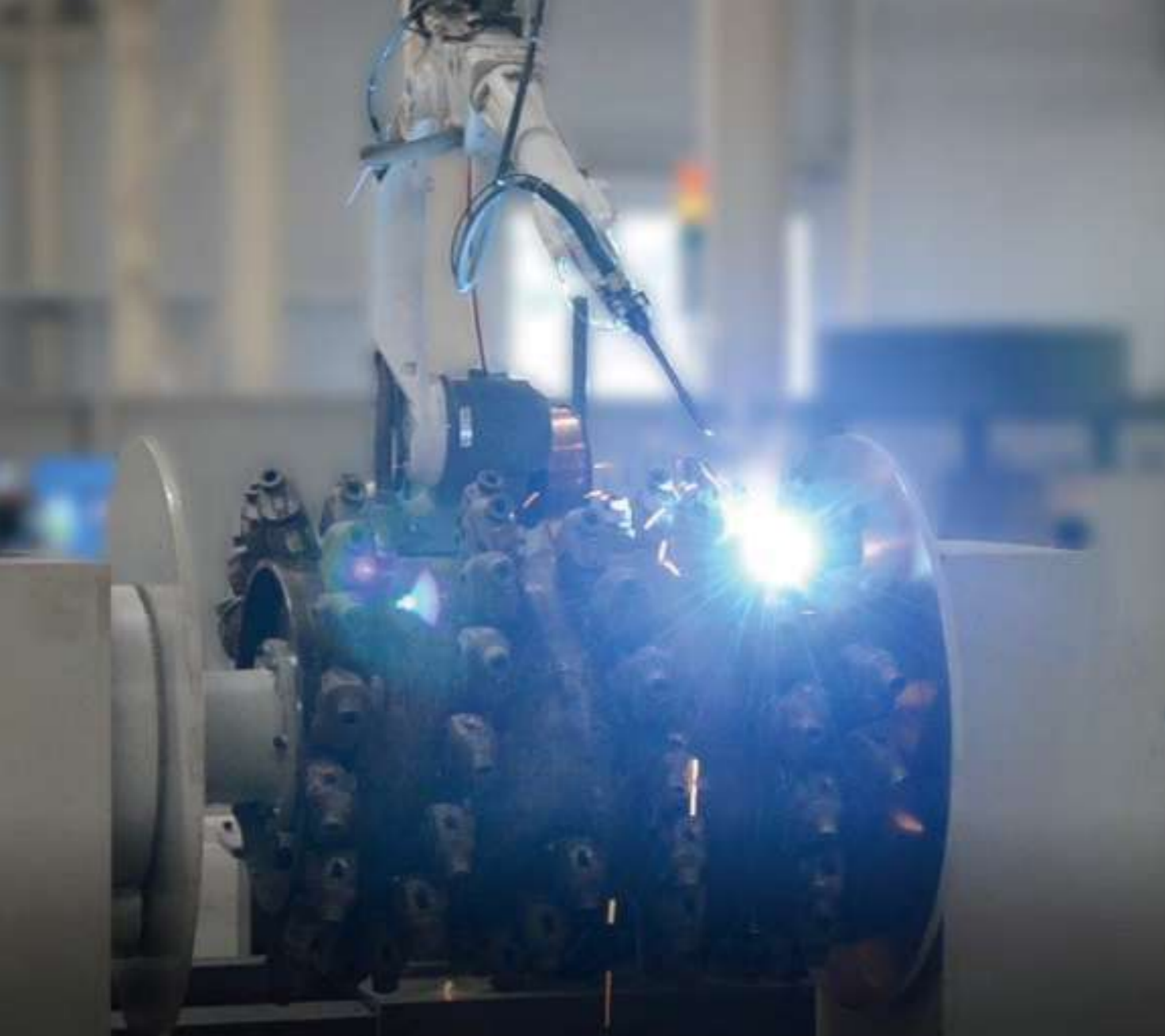
The advanced tool system alignment provides the milling teeth performance, increasing the rotation efficiency rate and extending the service life.



MAXIMIZE COLLECTING/EJECTING WASTED MATERIAL PERFORMANCE

The optimized tool base alignment and angle provide optimal waste particle ejection, significantly decreasing the wear and tear on your milling system.





DYNAMIC EQUILIBRIUM ADJUSTMENT

The best result for every milling construction is achieved with dynamic equilibrium, producing no unexpected uneven milled surface. At EVERPADS, we confidently provide and ensure the most consistent quality to our customers.

FIT YOUR COLD MILLING MACHINE MODEL

Implementing the correct dimensions for your machine model is essential but often fails with other after-market suppliers. For example, one milling machine model can have a different serial code with varying installation dimensions. Correct sizing has proved difficult for many after-market suppliers to provide the right milling drum for specific milling machine models.

MANUFACTURER CREDIBILITY

EVERPADS, as an OEM manufacturer, offers a premium solution with the highest milling drum standard without a premium cost. We are ready to scale to our customer's needs with reliable milling drums, offering a variety of milling drums for your cold milling machine model.





Quick-change Tool Holder System & Gen E Milling Drum

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