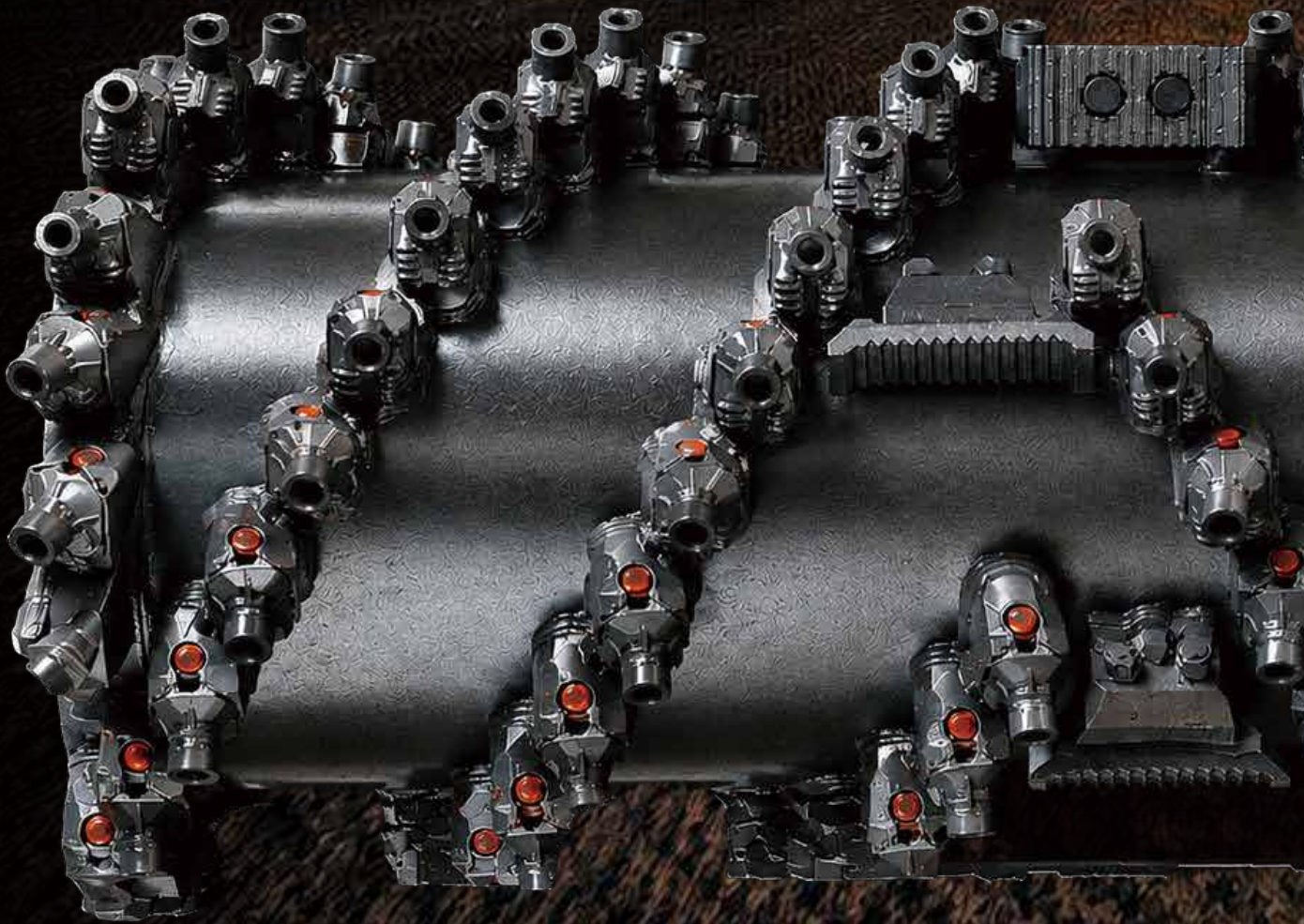


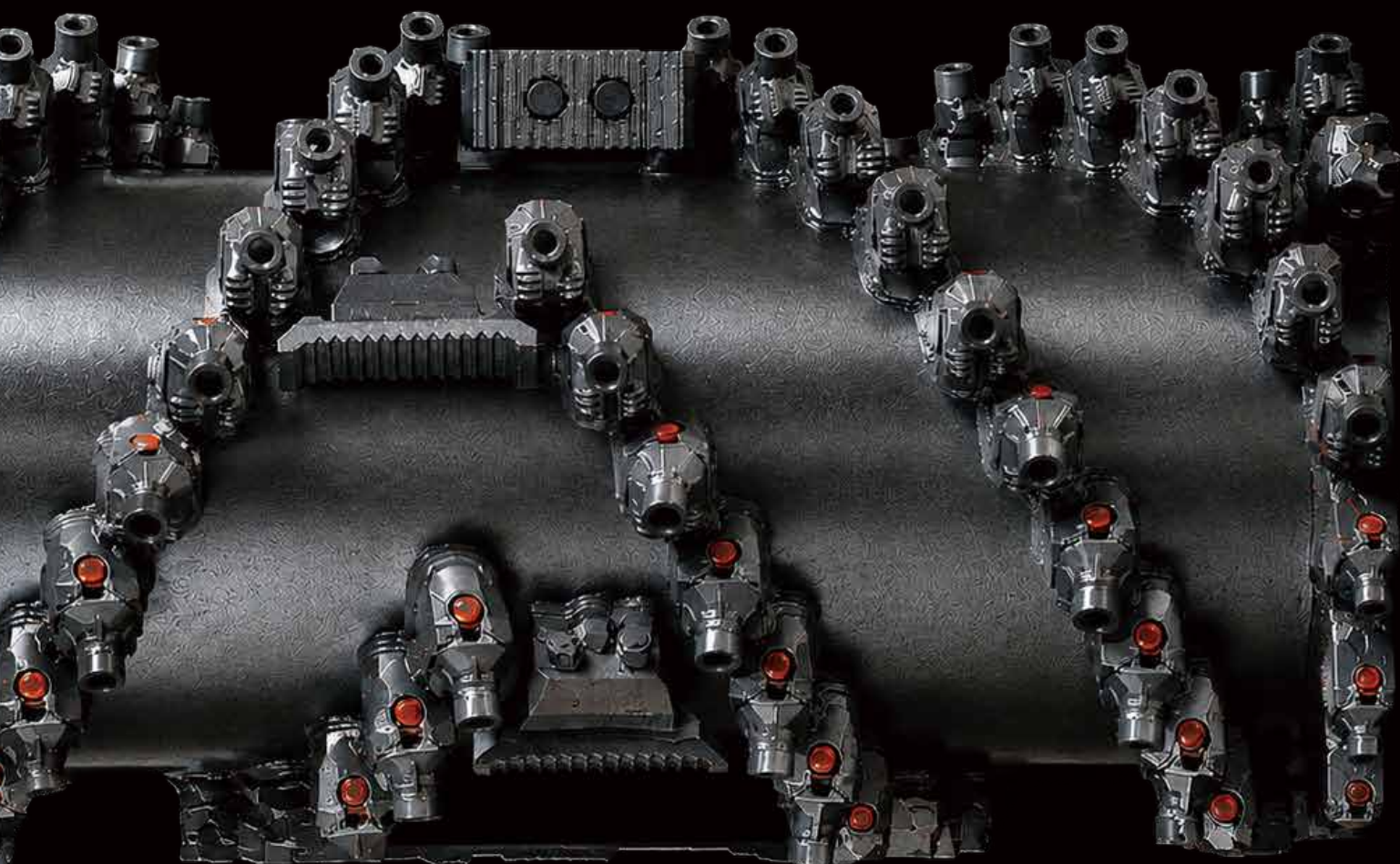


— PRODUCT CATALOGUE 2026

TH12N MILLING DRUM

BREAKING MYTHS. REDEFINING VALUE.

Traditional milling drums depend heavily on bolt tension to keep the holder secured. TH12 changes how the holder is locked in place—reducing loosening, eliminating routine 500-hour full retightening under normal conditions, and extending drum life up to 1.3×.



PATENTED TH12N

STANDARD MILLING DRUM

BEYOND ROUTINE.

BRAND-NEW LOGIC.

Built for 1.3x drum lifespan, less maintenance cost, and premium milling results. TH12 is a patented standard milling drum system designed to extend drum life by reducing bolt-hole stress and eliminating routine 500-hour full holder retightening under normal operating conditions.

Key Benefits

1.3x DRUM LIFESPAN

TH12 helps extend drum life by reducing repeated bolt-hole stress caused by routine retightening cycles.



LESS MAINTENANCE COST

No routine 500-hour full holder retightening requirement under normal operation helps reduce service labor and maintenance interruption.



PREMIUM MILLING RESULT

A more stable holder-base system helps protect cutting consistency, drum stability, and long-term milling performance.



CONTRACTOR TAKEAWAY

More working time.
Less maintenance.
Premium milling results.

“ Bolt-Hole Failure Should Not Be Treated as Normal.”

In many traditional quick-change drum designs, full holder retightening is treated as routine maintenance.

But every bolt hole has a limited retightening life.

Every retightening cycle consumes the bolt hole.

That means many drums are replaced while other parts are still usable – simply because the bolt holes have reached their limit.

Traditional Designs Place Too Much Holding Responsibility On The Bolts

When bolts carry too much impact force:

Bolts loosen during operation.

Loose bolts must be retightened.

Retightening protects holder stability,
but every retightening cycle consumes bolt-hole life.

The real problem is a design that makes too much retightening.

Bolt-Hole Failure Pattern

01



**BOLTS CARRY
TOO MUCH LOAD**

02



**BOLTS LOOSEN
WHEN MILLING**

03



**FREQUENT
RETIGHTENING**

04



**BOLT-HOLE
WEAR**

05



**EARLY DRUM
FAILURE**

LESS BOLT RELIANCE. LESS RETIGHTENING. MORE DRUM LIFE.

TH12 Solution

TH12 reduces bolt reliance through a patented holder-base design that distributes impact force more effectively and stabilizes the holder under normal operation.

Innovative Holder-Base System



Wider Holder-Base Contact Area

1.85× more surface contact than traditional designs helps distribute impact across the holder-base system instead of concentrating the force on the bolts.



Self-Lock Geometry

The geometry redirects force into a more stable locking direction, reducing the tendency for holder movement and bolt loosening.



Reduced 80% Bolt-Hole Stress

Less routine retightening means less repeated wear on bolt holes.

TH12 changes the standard milling drum conversation:

Not more retightening.
Better holder logic.

SELF-LOCKED & CENTERING SHANK

fully centers with the tool base, assuring a maximum centralized attachment for the tool base itself to prevent tool holder loosening.



INTERLOCKING HOLDER-BASE INTERSURFACE

The TH12 drum features a 7,248 mm² contact surface—nearly double the 3,900 mm² found in traditional designs. Combined with its unique interlocking geometry, this significantly reduces the load carried by the bolts.

Result

No routine 500-hour full holder retightening

Less bolt-hole stress.

Less maintenance cost.

More drum life.

INNOVATION ABOVE. PRECISION UNDERNEATH.

Why Precision Matters

A premium milling drum has to protect cutting performance, drum stability, and long-term maintenance value.

Innovation creates the advantage.

Consistent production keeps it reliable.

EVERPADS builds each drum around the precision needed for real milling performance:

- Precise welding angle.
- Correct tool base alignment.
- Controlled spacing.
- Stable base support.
- Accurate Holder fit.
- Consistent bit-holding hole precision.

Welding Angle Accuracy

The welding angle determines how each tooth contacts the road surface.

If the angle is not precise and consistent, the drum can create uneven milling results, faster tooth wear, weaker cutting efficiency, and unstable material removal.

Bit-Holding Hole / Holder Fit Accuracy

For TH24, the threaded Holder must return accurately into position.

The bit-holding hole must be produced with precision.

Replacement efficiency should not come at the cost of micro-fine milling quality.



Tool Base Alignment & Spacing

Tool base alignment affects cutting pattern, surface texture, and material removal flow.

A premium drum has to get both right:

The alignment approach.

And the production accuracy.



EVERPADS Production Control

CNC Precision Shaping controls Tool Base geometry, Holder thread fit, and bit-holding hole accuracy.

3D Robotic Pre-Welding controls tool base position and welding angle before final welding begins.

Production experience and 3D positioning accuracy support correct alignment, spacing, cutting pattern, and material removal flow.

For high-precision surface needs, EVERPADS can also produce up to 3 mm tool spacing for micro-fine milling applications.

Built as a Complete Drum System.

A premium milling drum has to do more than place each base correctly.
It has to keep the base stable.
Rotate smooth.
Fit the machine right.
And work as a complete system once it hits the job.

Base Angle Stability & Drum Structure

Six-layer hardfacing builds stronger support around the base area, helping resist impact that could knock the base angle out of position.
24-hour stress relief annealing supports drum structural stability and helps reduce deformation risk after welding.

Rotation Stability

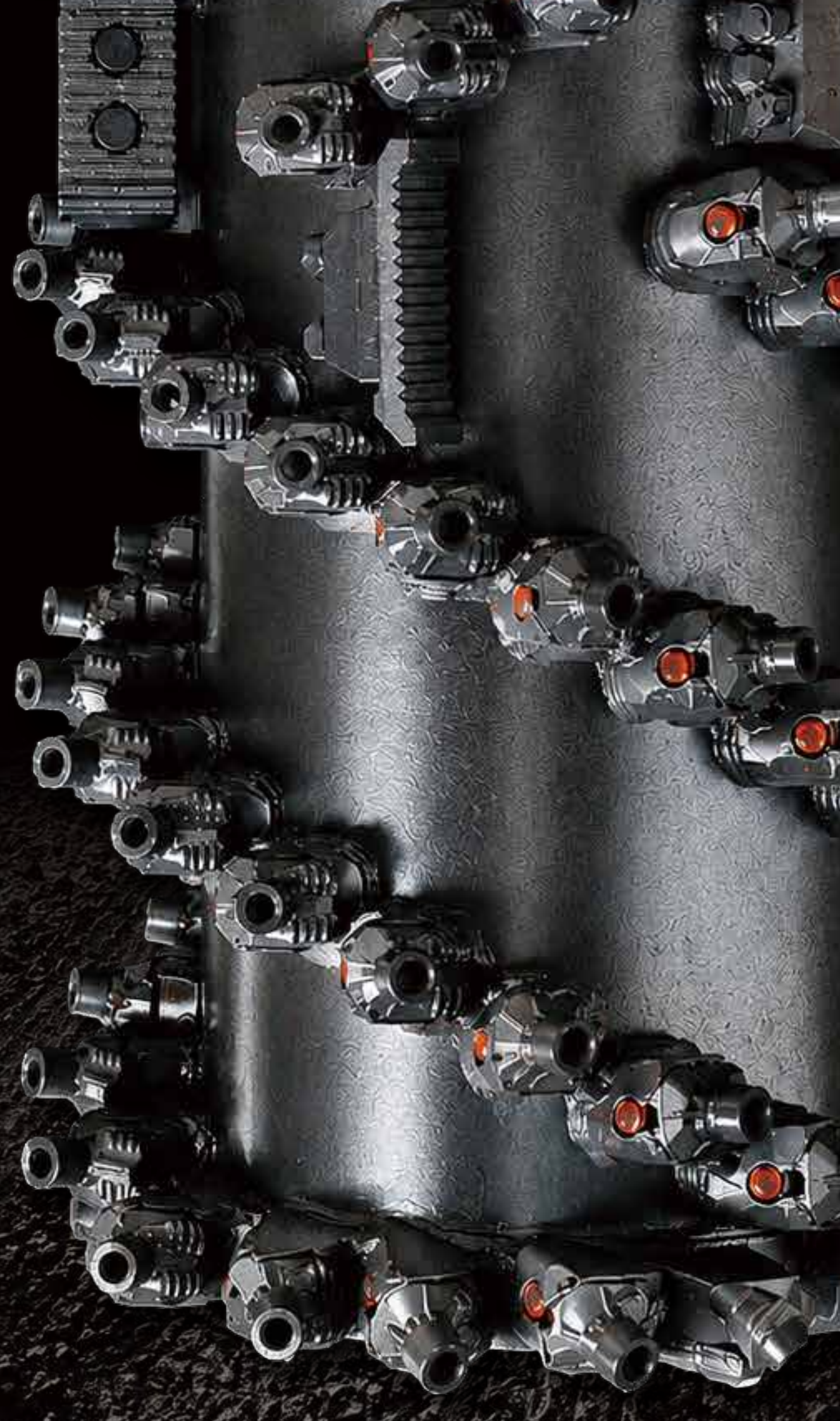
Every EVERPADS drum goes through Dynamic Balance Testing before delivery. This helps reduce vibration risk, support smoother rotation, and protect both the drum and the machine.

Machine-Specific Fitment

Before production or order confirmation, EVERPADS verifies machine model, serial code when required, installation dimensions, drum requirements, holder setup, and application needs.
This helps make sure the drum is built for the actual machine.
Not just the catalog model.

EVERPADS Milling Drums

Patented drum approach.
Precision production.
Built for the job.





TH12N MILLING DRUM

BEYOND ROUTINE. BRAND-NEW LOGIC.

WORLD'S LEADING SPARE PARTS MANUFACTURER

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