

NORMA Americas Distribution & Industry



Customer Value through Innovation



Breeze introduced, pioneered and has been supplying perforated worm-drive clamps to the automotive, heavy-duty vehicle, aircraft and industrial markets for over fifty years. With the most comprehensive product line of worm-gear, T-Bolt, V-Band and specialty clamps manufactured in the U.S., Breeze clamp products enable each industry and user to meet their exact requirements with items of proven quality.

Breeze Miniature



- Designed specifically for smaller diameter applications
- Lightweight, streamlined configuration
- Higher sealing pressure with minimal torque
- Stainless steel band & housing
- 5/16" (7.9mm) band

Breeze Power-Seal®



- General purpose industrial and automotive clamp
- High quality stainless steel construction for maximum durability and corrosion resistance
- Available with inner liner to protect soft silicone hose
- 1/2" (12.7mm) band

Breeze Aero-Seal®



- Original patented aircraft worm-drive clamp
- Heavy Duty four-piece design
- Available in a wide variety of materials and screw styles
- Used for aircraft and heavy duty industrial applications
- 9/16" (14.2mm) band

Breeze Hi-Torque™



- Highest strength worm-drive clamp made
- Four times stronger than other clamps – eliminates double and triple clamping
- Available with inner liner to protect soft silicone hose
- 100% stainless steel
- 5/8" (15.8mm) band

Breeze T-Bolts



- High strength clamp design for industrial, marine and vehicle applications
- Available with spring designs for constant tension performance
- Full range of sizes and materials
- Custom OEM designs available
- 3/4" (19mm) stainless steel band

Breeze Constant-Torque®



- Revolutionary clamp - dynamically increases or decreases its diameter
- Custom designed stainless steel Belleville springs
- Recommended uses: turbo exhaust sleeves, heater hoses, coolant hoses, intake systems
- Available in Heavy-Duty 5/8" (15.8mm) band for large diameter and Aero-Seal 9/16" (14.2mm) band for small diameter applications

Breeze V-Bands



- Fast, secure couplings for connecting flanged joints
- T-Bolt, Hi-Torque and Aero-Seal clamps with 2 or 3 V-segments
- High strength and positive sealing integrity
- Manufactured for custom, specific design applications



Torca has 30 years experience in connect exhaust system components for the vehicle industry. By focusing on evolving innovation and improvement into the product, Torca provides the best product performance, with the least material, for maximum efficiency to the overall system.

AccuSeal



- Provides joint serviceability
- Unique sealing performance
- Superior clamp load capability
- Pre-assembled for easy installation
- Designed for part-in assembly attachment
- Durable installation without damage to pipe ends

DuraSeal



- Provides joint serviceability
- Improved clamp performance for thicker pipes or larger pipe gaps
- Pre-assembled for easy installation
- Only one assembly torque point
- Designed for part-in-assembly pre-attachment

Coupler



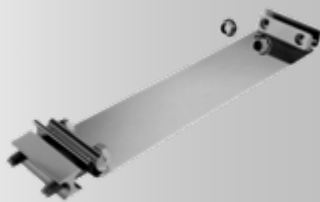
- Provides joint serviceability
- Does not require pipe overlap
- Pre-assembled for easy installation
- Unique sealing performance
- Superior clamp load capability

TorcTite



- Specific OEM & Service designs
- Unique sealing performance
- Superior clamp load capability
- Pre-assembled for easy installation
- Compatible with pipes, flex, mufflers
- Durable installation without damage to pipe ends

EasySeal



- Ideal service specific design
- Flat packaged, easy to store
- Easy, fast, accurate installation
- Unique sealing performance
- Premium materials and finish
- Durable installation without damage to pipe ends

AccuLock



- Provides OE with a robust design alternative to flat flanges
- Enhanced assembly flexibility, lower weight, improved overall value
- Designed for use in low leak, pre-after treatment (catalyst) applications
- Positive axial retention
- Uses less space than a flat flange joint
- Provides rotational and axial alignment flexibility

UniStrap



- Unitary clamp/bracket system
- Application specific designs, sizes
- Reduce part number complexity
- Increases assembly ease and reliability
- Eliminates welds, corrosion, failures
- More strength, less materials



ABA / NORMA are the long-term European leaders in hose clamps, connectors and fluid system technologies. Together, we are the global providers of extensive and diversified lines of complementary clamping products with an established reputation for innovation, engineering and total product reliability.

ABA Nova Embossed Band Clamps



- Features unique, one-piece housing
- Rolled up edges & smooth, non-perforated band protect hose while increasing clamping force
- Available in Aluzinc, 304 SS and 316 SS
- 1/2" (12.7 mm) band – Original ; 3/8" (9.5 mm) band - Nova

ABA Ultra™



- Made of all AISI 316 high tensile strength stainless steel – excellent for marine applications
- One of the highest clamping force ratings of all worm-gear style clamps
- 1/2" (12.7 mm) band

Nut & Bolt Clamps



- Sure seal for small, thin walled hoses
- Easy to assemble
- Features include fixed nut and hexagonal head
- Available in carbon steel or all stainless
- 3/8" (9.5 mm) band

NORMA Cobra Crimped Clamps



- Low profile "crimp" style connector
- Self-adjusting diameter – compensates for tolerances in hose diameter
- Raised tool gripping points allows simple and safe assembly
- Maintenance-free fit, yet can be serviced if needed

Safe™ Constant-Tension



- Compact design provides constant tension on the hose during thermo cycles
- Concave liner concentrates clamp force on outer band edges
- 1/2" (12.7 mm) band

Rubber Cushion Clamps



- Multiple uses for holding cable, wire, pipe and hose
- Eliminates hose and cable wear due to vibrations
- Black EPDM rubber protects against scratching
- Reinforced mounting hole available
- Available in galvanized steel or 304 stainless steel

Pipe Clamps



- One-piece construction provides uniform contact pressure of the pipe circumference
- Rounded band edges protect hose
- Easy to assemble and vibration proof

Additional Products

NORMA Americas features the broadest hose clamp product line available. Along with our standard perforated and embossed worm-gear clamps and exhaust clamps, we manufacture many specialized and custom clamping products for the diversified applications of our global customer base.

NORMA TORRO Embossed Band Clamp



- Specially suited for applications under high mechanical load
- Dynamic asymmetric housing provides optimal sealing forces during tightening
- Screw collar guides band tail and allows for easy assembly
- Delivers an even distribution of clamping force

NORMA TORRO with Spring



- Spring ensures long-lasting automatic re-tensioning during temperature changes
- Increased sealing reliability across a wide temperature range
- Short housing saddle provides even contact pressure and improved efficiency

NORMA GBS



- Heavy-duty T-Bolt design – mechanically locked loops
- Quick connect / disconnect feature available
- Wide band, rounded edges to ensure hose protection
- Available in aluzinc/galvanized steel, partial stainless steel, all 304 and 316 stainless steel

NORMA SEC



- Flexible solution for connections in the rear or center of the exhaust system
- High temperature resistance
- Simplified assembly and disassembly
- Lightweight with low leakage rate





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As a member of the NORMA Group, NORMA Americas is an integral part of the largest, most diversified clamp company in the world, with manufacturing plants located throughout the world, shipping our more than 35,000 line items to customers in over 60 countries.

With our highly successful Breeze, Torca, ABA and NORMA brands, NORMA Americas has evolved into a worldwide supplier providing a broad range of clamping applications. Our quality performance, product development and manufacturing experience are the key factors making NORMA Americas the leader in clamping technology.

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