

HOSE CLAMP QUALITY & PERFORMANCE IMPROVEMENT FOR OUTDOOR PRODUCTS



CHALLENGE

Customer (a manufacturer of various outdoor products) had been using “slotted band” style worm-gear hose clamps in numerous applications. The final products get sold to consumers for use at home for lawn and garden purposes. The “slotted” style worm-gear clamps caused multiple issues: cutting into or damaging the hose, a long “tail” sticking out, and frequently causing assembly line workers to accidentally cut their hands; also posed a risk to end-consumers regarding the potential risk of cut hands as well as causing the end-product to fail or having to replace the clamps.

SOLUTION

EFC engineers introduced the customer to “embossed band” style worm-gear clamps, often known as European style.

RESULT

The embossed band style worm-gear clamps provided the customer with a higher quality clamp and better performance:

- Improved hose protection as the embossed band does not have sharp edges or slots that can cut into hose.
- Eliminated risk of assembly line workers or home consumers cutting their hands as the embossed band clamps have smooth edges and no long “tail” protruding.
- Enhanced the quality and performance of the outdoor products that ultimately get sold to consumers.
- Resulted in a cost save through EFC’s skilled sourcing network and supplier partnerships.
- Most importantly, these embossed band clamps have a better torque to clamping-force conversion.



Embossed Band Worm-Gear Clamp