



CONSTANT-TORQUE CLAMPING SYSTEM

Revolutionary clamp that reacts to changes in hose systems by actually increasing and decreasing its own diameter as the system expands or contracts.

Here is the most significant breakthrough in clamp technology since Breeze originated the worm-drive clamp design.

Breeze "Constant-Torque" Clamping System is an active pressure-compensating clamp.



Virtually all rubber hose compresses "cold flow" after installation of a clamping device, resulting in an almost immediate torque loss that can exceed 80% of installation torque. Similarly, virtually all metal connections expand as a system heats up, and then contracts as the system cools. Conventional worm-gear, T-Bolt, and other clamps are passive, in that expansion and contraction of components cannot be compensated for without retightening or loosening the clamps. This Breeze clamping system is an "active" clamp mechanism, which **monitors and then compensates for the temperature changes** by actually changing diameter through a unique worm-gear Belleville assembly.

- *Quadra-lock construction - housing orbitally riveted to saddle at 4 points providing extra strength.*
- *Liner protects soft or silicone hose from damage, extrusion or shear.*
- *Eliminates the sometimes necessary replacement of expensive "single use" clamps during routine or emergency maintenance.*
- *Fleet standard - easily installed, easily replaced in the field.*
- *Energy store in compressed Belleville springs controls automatic clamp adjustment.*
- *Torque Check - permits visual assurance that the clamp is properly installed.*
- *Stainless steel -- virtually unlimited product life - won't rust or corrode and is reuseable.*