



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

STOCK NUMBERS	EFFECTIVE DIAMETER RANGE			
	Min.		Max.	
	in. mm.		in.	mm.
<i>Aero-Seal construction for use on small diameter applications - 9/16" (14mm) band width. All stainless steel.</i>				
CT-9410	9/16	14	1-1/16	27
CT-9412	11/16	17	1-1/4	32
CT-9416	13/16	21	1-1/2	38
CT-9420	13/16	21	1-3/4	44
CT-9424	1-1/16	27	2	51
CT-9428	1-5/16	33	2-1/4	57
CT-9432	1-9/16	40	2-1/2	64
CT-9436	1-13/16	46	2-3/4	70
CT-9440	2-1/16	52	3	76
CT-9444	2-5/16	59	3-1/4	83
CT-9448	2-9/16	65	3-1/2	89
CT-9452	2-13/16	71	3-3/4	95
<i>Heavy-duty construction for use on large diameter applications -- 5/8" (16mm) band width. Stainless steel band components with carbon plated screw.</i>				
CT-200 L	1-1/4	32	2-1/8	54
CT-250 L	1-3/4	45	2-5/8	67
CT-300 L	2-1/4	57	3-1/8	79
CT-350 L	2-3/4	70	3-5/8	92
CT-400 L	3-1/4	83	4-1/8	105
CT-450 L	3-3/4	95	4-5/8	118
CT-500 L	4-1/4	108	5-1/8	130
CT-550 L	4-3/4	121	5-5/8	143
CT-600 L	5-1/4	133	6-1/8	156
CT-650 L	5-3/4	146	6-5/8	168
CT-700 L	6-1/4	159	7-1/8	181
CT-750 L	6-3/4	172	7-5/8	194
CT-800 L	7-1/4	184	8-1/8	206
CT-850 L	7-3/4	197	8-5-8	219
CT-900 L	8-1/4	210	9-1/8	232
<i>*Also available in all stainless - add "SS" to part number. Ex: CT 250 L SS</i>				