



# TRIDENT

## Constant Torque Clamps



### # 730 Series

Virtually all rubber hose compresses (cold flow) after installation of 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 or contraction of components cannot be compensated for without re-tightening or loosening the clamps. This clamping system is an “active” clamping mechanism, which monitors and then compensates for the changes by actually changing diameter through a unique worm gear Belleville assembly. 3 Year Warranty.

**Specifications:** Recommend max. torque - smaller id. sizes up to 730-3000 - 30 to 70 in.-lbs  
larger id. sizes above 730-3000 - 50 to 120 in.-lbs

**Construction:**

**Band & Housing:** 304 Stainless Steel 5/8” Wide Band

**Bellville Spring Washers & Screw:** 401 Stainless Steel

Part No.	HOSE I.D.	HOSE O.D.
730-0340	3/8" TO 7/8"	0.6875" TO 1.25"
730-1000	1" TO 1-1/8"	1.00" TO 1.75"
730-1140	1" TO 1-1/2"	1.25" TO 2.125"
730-1120	1-1/4" TO 2"	1.75" TO 2.625"
730-2000	1-7/8" TO 2-1/2"	2.25" TO 3.125"
730-2120	2-3/8" TO 3"	2.75" TO 3.625"
730-3000	2-3/4" TO 3-1/4"	3.25" TO 4.125"
730-3120	3-1/4" TO 3-1/2"	3.75" TO 4.625"
730-4000	4"	4.25" TO 5.125"
730-4120	4-1/8" TO 4-1/2"	4.75" TO 5.625"

Part No.	HOSE I.D.	HOSE O.D.
730-5000	5" TO 5-1/8"	5.25" TO 6.125"
730-5120	5-1/2"	5.75" TO 6.625"
730-6000	6"	6.25" TO 7.125"
730-8000	8"	8.25" TO 9.125"
730-10000	10"	10.35" TO 11.25"
730-12000	12"	12.35" TO 13.225"
730-14000	14"	14.35" TO 15.225"
730-16000	16"	16.35" TO 17.225"
730-18000	18"	18.35" TO 19.225"

**TRIDENT RUBBER INC.**

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