

# Press Release

August 2006

## Constant Tension 'Turbo Seal' Clamp

The unique design of the 'Turbo Seal' clamp compensates for the effects of thermal cycling and compression set of a hose. This is especially true in the automotive industry where turbocharger compressor outlets, intercooler pipe work and other parts are exposed to extreme temperature differentials. The effect of this expansion and contraction will impact on the way a clamp seals the hose, leaving the seal with either too little or too much torque. The Turbo Seal's corrugated spring action band solves this problem.



Fitting a 'Turbo Seal' will reduce the risk of hoses coming loose and blowing off, which, in the case of turbocharged cars, could prevent turbochargers over-revving and their inevitable failure. These clamps are used by WRC (World Rally Championship) rally teams worldwide and are currently being used by a leading rally team in Australia.

Another feature of the 'Turbo seal' is its dual bead insert which concentrates band sealing pressure and increases its performance by up to 30% when compared to standard worm drive clamps. They are ideal for soft hoses as the insert prevent any abrasion from the worm drive slots plus the rolled edge design prevents the edges of the clamp from cutting into the hose.

This clamp is used for numerous applications in automotive (especially turbo & off-road), agriculture, aircraft, heavy duty and military industries. The 'Turbo Seal' Clamp is recommended for use with silicone and other soft hoses.

### **Turbo Seal Specifications**

Rated Ultimate Torque  
75in.lbs. (8.47 Nm)

Recommended Installation Torque  
50in.lbs. (5.65 Nm)

