



STI, Thread Ring Gages and Setplug Gages – Terms and Definitions

STI - Screw Thread Insert or Heli-Coil are trade names synonymous with STI threads. STI threads are used to repair stripped or poorly threaded holes.

Chip Groove – An angular or straight groove or slot that is cut from the first thread back. Used on go work plug gages over #8 (#8 or smaller do not have a chip groove). The chip groove is used to remove small chips and matter from the threaded part.

Set & Sealed - A thread ring gage that has been set to the factory setplug and then the set screws and locking screws of the ring gages are sealed with wax to prevent unauthorized adjustment.

Truncation - The removal of the sharp crest of the thread triangle. It is the front section on a truncated setplug gage.

Full Form - The back portion of the truncated set plug has a full form profile. The full form thread is sharper & larger than the truncated portion but it still retains a small break so that it is not sharp.