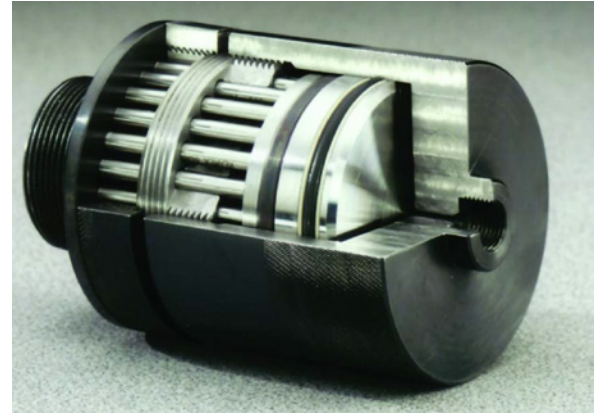


CASE STUDY | HRT & HRN

Nuclear Power Plant:
Steam Control Valve Closure

PROVIDING

- Elimination of stud galling
- Faster installation – Reduced radiation exposure
- Accurate pre-loads verified by depth gauge measurements
- Improved safety



HYDRAULIC ROD TENSIONER (HRT) AND HYDRAULIC ROD NUT (HRN) - EXPLODED AND ASSEMBLED VIEWS

PROBLEM

1. Time consuming installation / radiation exposure
2. Steam Contamination
3. Galled stud threads

SOLUTION

1. Labor hours drastically reduced – shortened exposure to radiation levels
2. Simultaneous tensioning of studs provided precise loading allowing full flange closure and eliminated steam contamination
3. Galling eliminated

