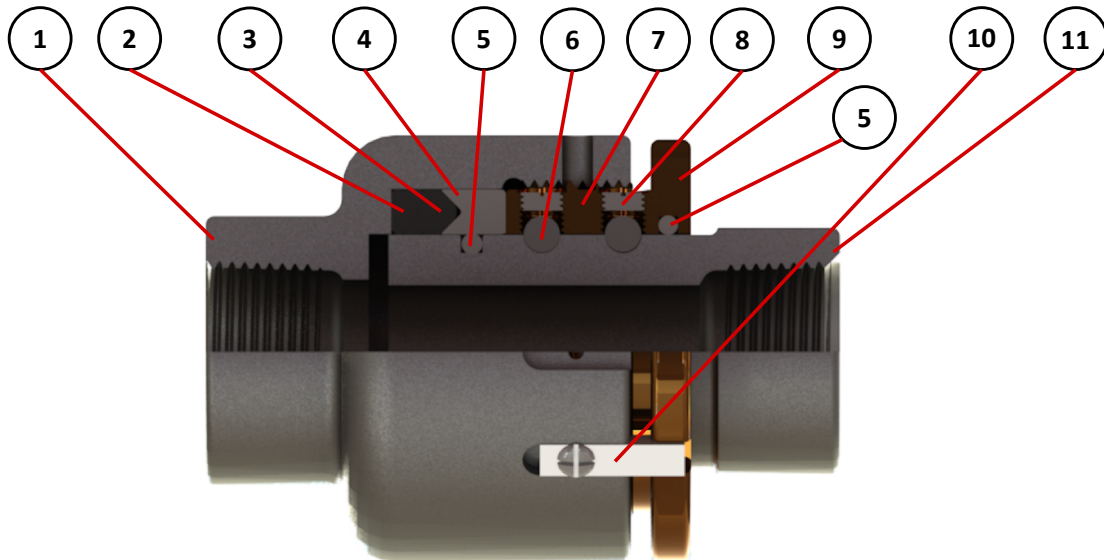


Engineering Specifications


- 1 Body:** Parts 1 and 3 (see “Replacement Parts” sheet) are changed in configuration to provide eight different styles.
- 2 Male Adapter:** Acts as wedge to expand chevron packing and effect seal. Furnished in Buna N as standard, but may be furnished in aluminum, steel, stainless steel, aramid fiber, Viton, or Teflon.
- 3 Chevron Packing:** The most effective packing design known, used in standard JIC and AN-6225 sizes Buna-N. Optional materials: Teflon, Aramid Fiber, Viton.
- 4 Back-up Rings:** Furnished in similar metal to part1 to back up packing and act as outboard bearing during severe radial loads. Optional materials: Aluminum, stainless steel, Teflon.
- 5 “O” Rings:** Act as grease seals to (1) seal grease in assembly to ensure proper lubrication of bearings(2) seal against grit and dirt from outside sources, and (3) seal bearings against line contaminants. Optional materials: Buna-N, Silicone, Teflon, Viton.
- 6 Balls:** Hardened chrome alloy steel balls are furnished as standard. Optional materials: stainless steel.
- 7 Grease Plug:** Hole is tapped in body to receive Alemite fitting, and a flush set screw is inserted at factory.
- 8 Ball Plugs:** Retain balls in races. Assembly of parts 1 and 2 is made at factory and need not be disassembled to repack the joint. TM swivel joints can be repacked without handling balls.
- 9 Holding Nut:** Provides half of bearing race and utility of (1) providing initial compression on packing (2) take-up on worn packing (3) quick disassembly for repacking. Ball races of 6,000 and 15,000 PSI series are hardened to 42 to 58 Rockwell “C” scale, for maximum strength and wear.
- 10 Lock Bar:** Locks assembly of parts 1 and 2 to part 3. Removal of lock bar allows holding nut to be rotated to (1) take-up on packing in increments of 0.005” or (2) remove assembly of parts 1 and 2 from body for repacking.
- 11 Swivel Nipple:** Rotates on 2 rows of hardened balls to ensure ease of rotation under severe thrust and radial loads.