

Packing Installation Instructions

The following steps are important for maximum service life:

- 1. Preparation:** Remove old packing from the stuffing box. (Clark Services stocks three styles of packing hooks for this purpose) Clean box and shaft thoroughly. Examine shaft or sleeve for wearing or scoring. Replace if wear is excessive.
- 2. Important: Make sure packing is the right size.** To determine the correct size, first measure the diameter of the shaft (at the position where the packing will operate). Then measure the inside diameter of the stuffing box (for the OD of the ring). Subtract the ID measurement from OD measurement and divide by two. The result is the required size.
- 3. Always cut the packing into separate rings.** Never wind packing into stuffing box. Rings can be cut into butt (square) or skive (diagonal) joints. **IMPORTANT: If possible cut each ring on a mandrel,** with the same diameter of the shaft in the stuffing box area, to keep the proper joint angle. Note: if there is no shaft wear, rings can be cut using the shaft outside the stuffing box. Rings should be cut to the correct size or the service life could be reduced. When cutting rings, hold the packing tightly on the mandrel, but don't stretch packing excessively. Packing can be easily cut with a sharp utility knife.
- 4. Install one ring at a time.** Make sure packing is clean of any dirt from handling. Joints of successive rings should be staggered – at least 90 degrees apart. Each ring should be seated firmly using tamping tool. When the packing rings can be reached by the nose of the gland, tamping should be supplemented by the gland.
- 5. Break-in procedure is critical to insure long packing life.** After the last ring is installed, take up bolts finger tight. Do not jamb the packing into place by excessive gland loading. Make sure gland bolts are taken up evenly. Stopping leakage at this point will cause the packing to burn up. For proper packing break-in the packing must be packed loosely for the first 5 – 10 hours of operation.
- 6. After initial break-in period the gland may be tightened to the desired leakage.**

Size	Lin Ft/lb	Size	Lin Ft/lb
1/4"	28.0	7/8"	2.6
5/16"	18.6	1"	1.9
3/8"	13.3	1-1/8"	1.5
1/2"	7.7	1-1/4"	1.23
9/16"	6.1	1-3/8"	1
5/8"	4.9	1-1/2"	0.8
3/4"	3.5		