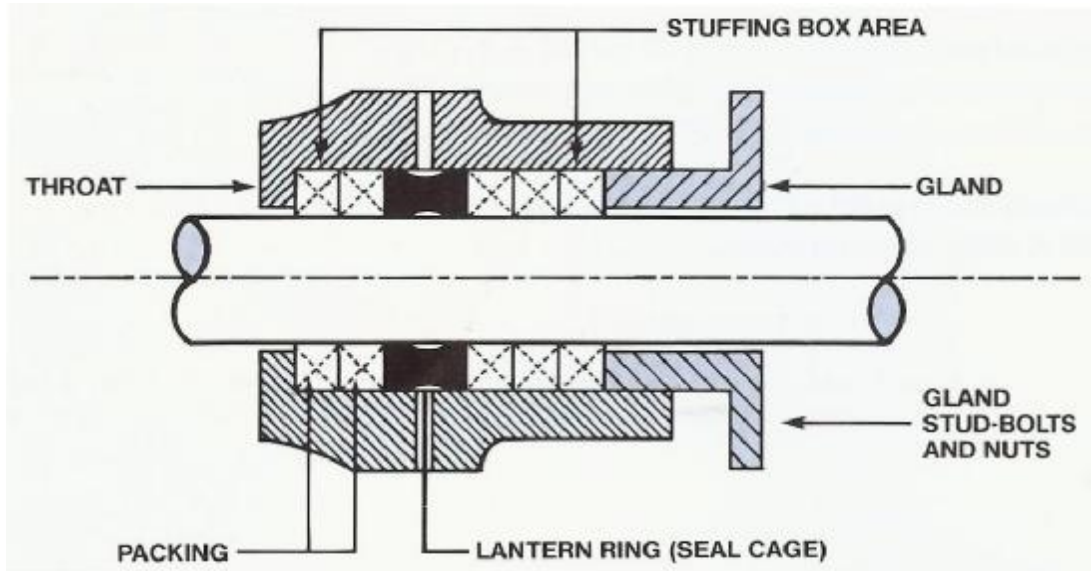
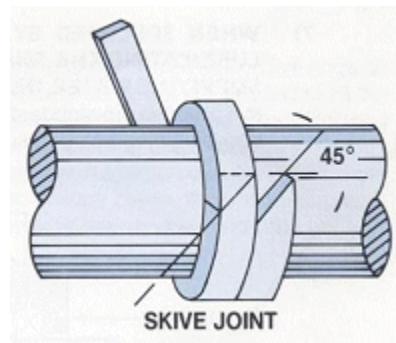
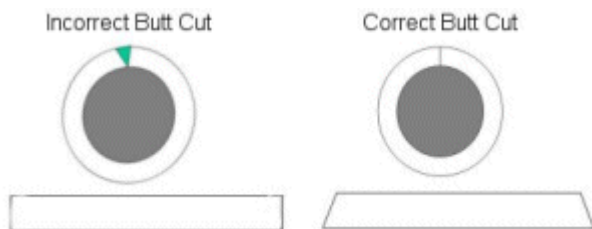


How to install compression packing on pumps



The importance of packing the pump correctly cannot be over-emphasized. Many packing failures are due to incorrect installation and maintenance of the packing. The following steps have been devised to ensure effective installation of compression packing on pumps.

1) Proper Butt and Skive Cut



2) Remove all the old packing from the stuffing box

Using an extractor hook, remove each packing ring and any other devices. Clean box and shaft thoroughly and examine shaft or sleeve for wear and scoring. Replace shaft or sleeve if wear is excessive.



3) Install one ring at a time

Make sure the packing is clean and has not picked up any dirt in handling. If desired, lubricate the shaft and inside of the stuffing box. Unless packing is already pre-cut, cut packing using a butt cut, which is slightly off 90° to allow both ends of the packing to meet flush and not allow a leak path. Seat each ring with the gland follower or 360° tamper making sure that joints of successive rings are staggered 12:00, 4:00, 8:00, etc., to avoid a leak path.



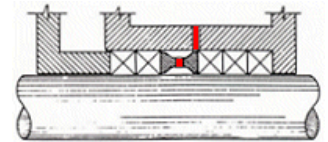
4) After the last ring is installed

Evenly seat packing on both sides using the gland, then loosen gland nuts to finger tight. Start pump and adjust gland until leakage is decreased to the maximum desirable level.

IT IS VERY IMPORTANT TO ALLOW SOME LEAKAGE OR THE PACKING MAY OVERHEAT AND SCORE THE SHAFT OR SHAFT SLEEVE.

5) When specified by the pump manufacturer

Provide a means of lubricating the shaft and packing through the lantern ring by supplying water, oil, grease or fluid being pumped. Slightly offset the lantern ring on the gland side of the flush port so that it will move under the flush port as the gland follower is adjusted, moving the lantern ring towards the throat and under the flush port.



6) Replace packing

When pump leakage can no longer be controlled by further adjustment of the gland follower.