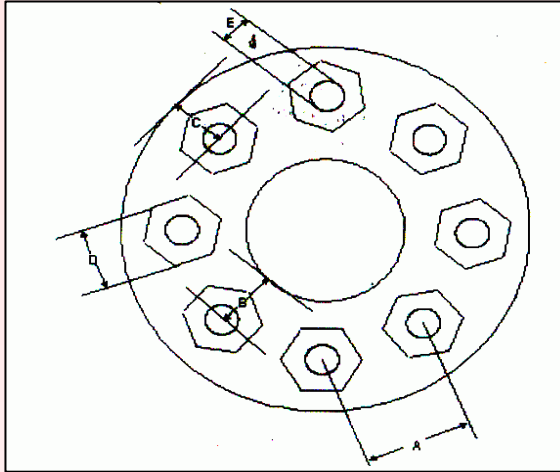


HYDRAULIC TORQUE WRENCH APPLICATION CHECKLIST FOR FLANGES



- A: CENTER OF ONE BOLT TO THE NEXT _____
- B: CENTER OF BOLT TO THE INSIDE _____
- C: CENTER OF BOLT TO THE OUTSIDE _____
- D: SIZE OF NUT FROM FLAT TO FLAT _____
- E: DIAMETER OF STUD _____
- *NUMBER OF BOLTS _____

TOP SIDE OF FLANGE

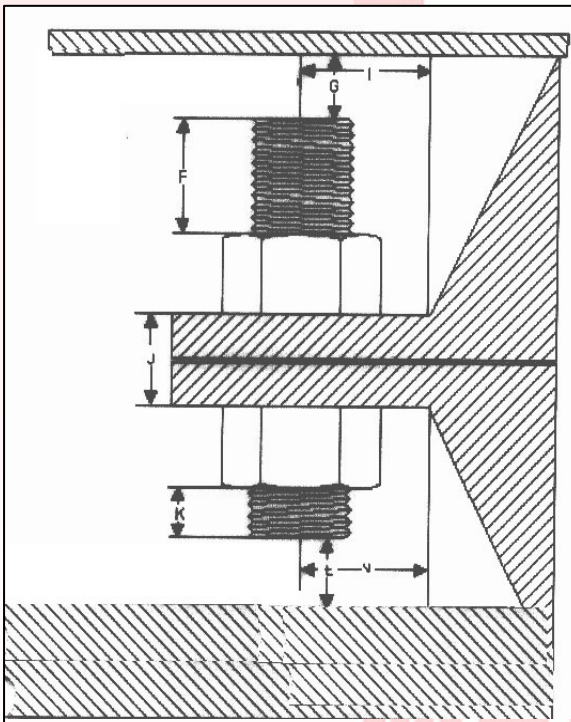
- F: LENGTH OF STUD ABOVE NUT _____
- G: VERTICAL CLEARANCE ABOVE STUD _____
- I: HORIZONTAL CLEARANCE TO INSIDE _____
- J: GRIP LENGTH LENGTH _____

BOTTOM SIDE OF FLANGE

- K: LENGTH OF STUD BELOW NUT _____
- L: VERTICAL CLEARANCE BELOW STUD _____
- N: HORIZONTAL CLEARANCE TO INSIDE _____

ESSENTIAL INFORMATION

- 1) TYPE OF LUBRICANT BEING USED DURING TIGHTENING ON THREAD & NUT UNDER FACE? _____
- 2) TIGHTENING TORQUE _____
OR
BOLT / JOINT DATA _____
 - a) BOLT PROPERTY GRADE. _____
 - b) BOLT LOADING AS PERCENTAGE OF YEILD OR ABSOLUTE VALUE IN KGF. _____
 - c) WHETHER A GASKET JOINT OR HARD METAL TO METAL JOINT? IF GASKET THEN WHETHER SOFT OR HARD GASKET IS BEING USED? _____



ANY RESTRICTION ON SIDES e.g. STAYS. IF SO, THEN A PHOTOGRAPH MAY BE PROVIDED.