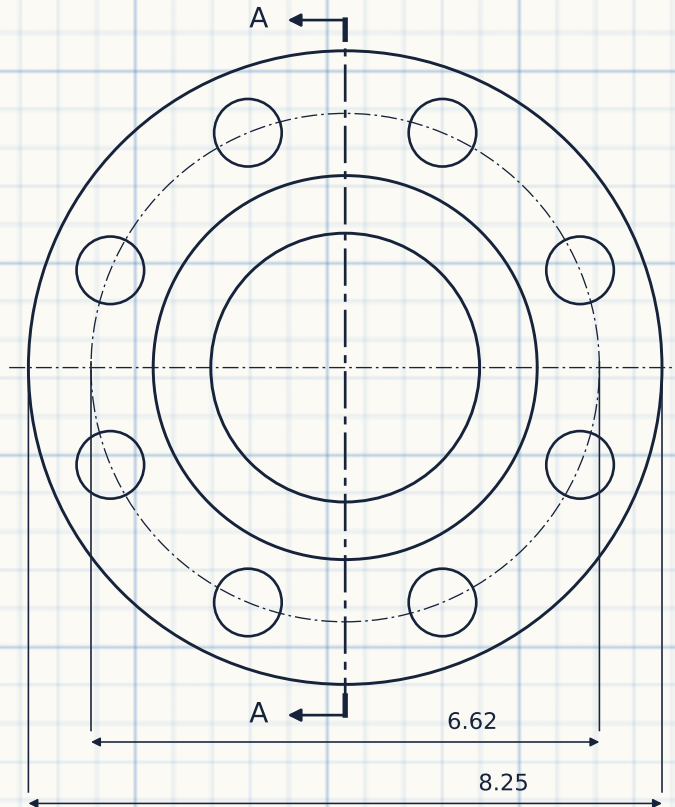


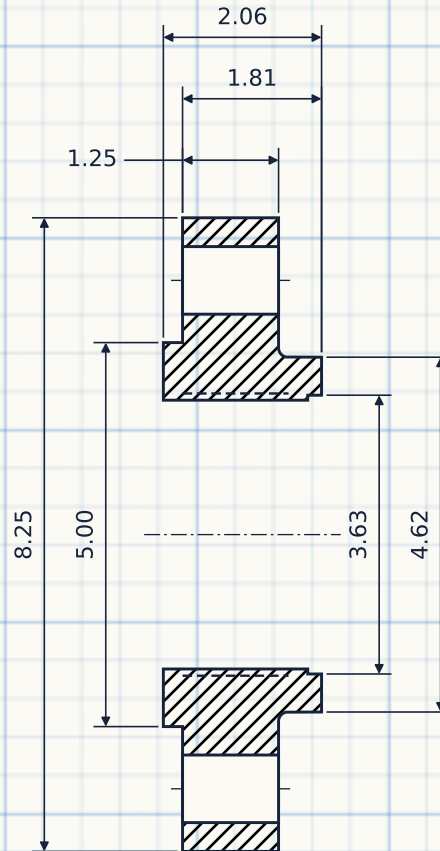
# 3" CLASS 600 RF THREADED FLANGE

8 HOLES Ø0.88 (7/8") ON Ø6.62 B.C.

HOLES STRADDLE CENTERLINES



FRONT VIEW



SECTION A-A

## 01 DIMENSIONS (INCHES)

| DIMENSION                     | VALUE      | TOLERANCE   |
|-------------------------------|------------|-------------|
| Outside diameter              | 8.25       | —           |
| Thickness at OD, tf, excl. RF | 1.25       | +0.12/-0.00 |
| Length thru hub, excl. RF     | 1.81       | —           |
| Overall length incl. RF       | 2.06       | —           |
| Raised face diameter          | 5.00       | ±0.02       |
| Raised face height            | 0.25       | —           |
| Hub diameter at back          | 4.62       | —           |
| Thread, taper pipe (NPT)      | NPS 3      | —           |
| Thread length, min.           | 1.38       | —           |
| Counterbore dia., min.        | 3.63       | +0.04/-0.00 |
| Bolt circle diameter          | 6.62       | ±0.06       |
| Number of bolt holes          | 8          | —           |
| Bolt hole diameter            | 0.88 (7/8) | —           |
| Bolt diameter                 | 3/4        | —           |
| Stud bolt length              | 5.00 calc. | —           |

## 02 NOTES

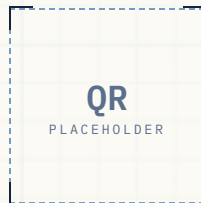
- Thickness tf: at the OD to the flange edge plane, excl. the 0.25" (1/4") RF (B16.5 paras. 6.4.2.1, 6.4.2.2, Fig. 6); para. 7.4 tolerance. Length thru hub also excludes the RF.
- Hub may be straight or tapered (taper ≤ 7°).
- Taper pipe thread per ASME B1.20.1 (para. 6.9); dashed lines show thread length (schematic). Counterbore dia. Q at back of flange (para. 6.9.3); depth not tabulated, shown schematic.
- Section A-A: bolt holes rotated into cutting plane.
- Stud bolts: 8 × 3/4" × 5.00" long calc., B16.5 Table 15C, raised face column. Length excludes points (para. 6.10.2).
- Tolerances per B16.5 section 7 (paras. 7.3–7.8); "—" = none listed. Adjacent bolt holes ±0.03; bolt circle to facing conc. 0.06; face perp. to bore 1°.



**TEXAS FLANGE**

texasflange.com

SHEET ID **TF-B165-THD-RF-600-03**  
 REV C (not for fabrication)  
 REV NOTE C: thickness at OD, LJ/THD rules, credit line  
 STANDARD ASME B16.5 (current edition)  
 UNITS INCHES  
 SCALE 1:2.5 (at 11x8.5 print)  
 DATE 22-OCT-26 (Rev A 16-OCT-26)



3D model link

## SOURCE AND CHECKS

Dimensions per ASME B16.5 (current edition). Checked by Texas Flange against our catalog by script, with two independent AI reviews and an in-house spot check. Methods: <https://texasflange.com/spec-sheet-methods/>

SHEET