

2" CLASS 150 RF THREADED FLANGE

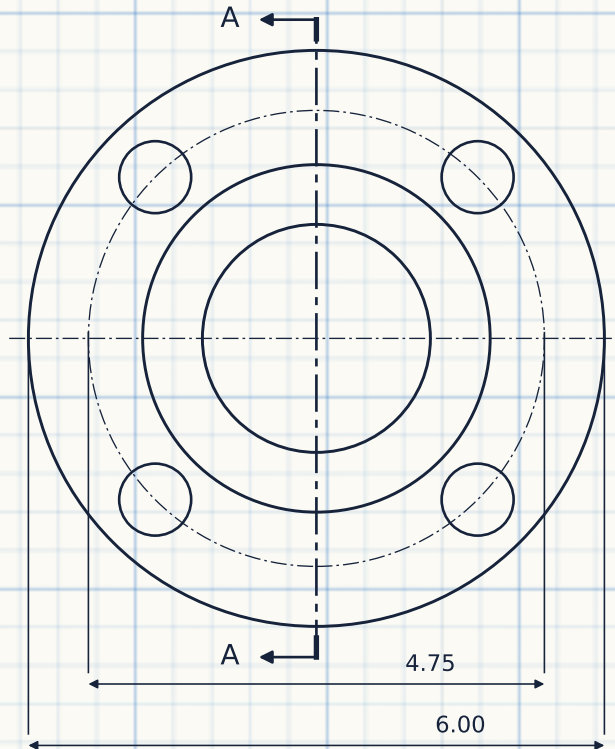
01 DIMENSIONS (INCHES)

DIMENSION	VALUE	TOLERANCE
Outside diameter	6.00	—
Thickness at OD, tf, excl. RF	0.69	+0.12/−0.00
Length thru hub, excl. RF	0.94	—
Overall length incl. RF	1.00	—
Raised face diameter	3.62	±0.04
Raised face height	0.06	—
Hub diameter at back	3.06	—
Thread, taper pipe (NPT)	NPS 2	—
Thread length, min.	1.00	—
Bolt circle diameter	4.75	±0.06
Number of bolt holes	4	—
Bolt hole diameter	0.75 (3/4)	—
Bolt diameter	5/8	—
Stud bolt length	3.25 calc.	—

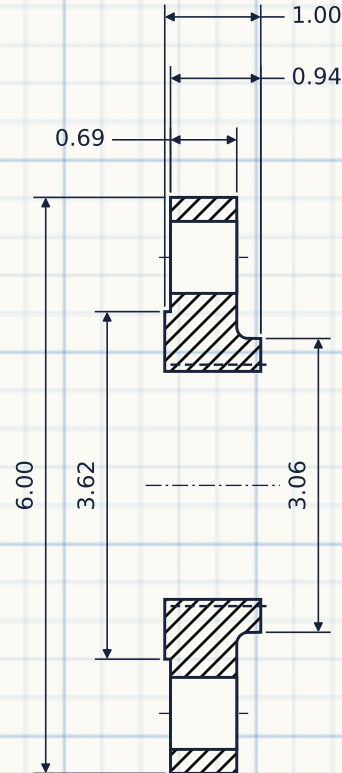
02 NOTES

- Thickness tf: at the OD to the flange edge plane, excl. the 0.06" (1/16") 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). Class 150: no counterbore (para. 6.9.2).
- Section A-A: bolt holes rotated into cutting plane.
- Stud bolts: 4 × 5/8" × 3.25" long calc., B16.5 Table 7C, 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. 0.03; face perp. to bore 1°.

4 HOLES Ø0.75 (3/4") ON Ø4.75 B.C.
HOLES STRADDLE CENTERLINES



FRONT VIEW

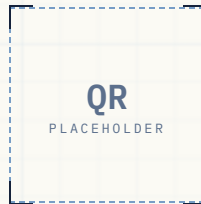


SECTION A-A



TEXAS FLANGE
texasflange.com

SHEET ID **TF-B165-THD-RF-150-02**
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 (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