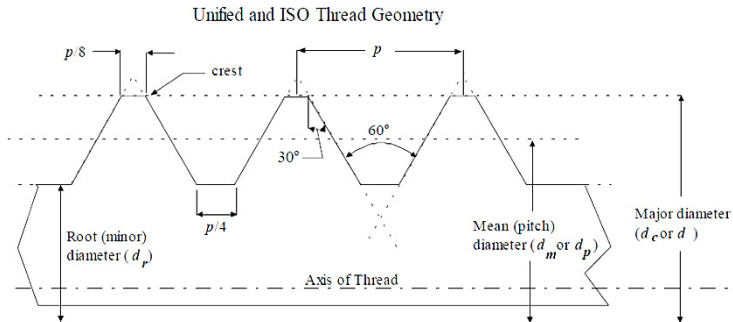


SAE / JIC / ORS – UNIFIED SCREW THREAD



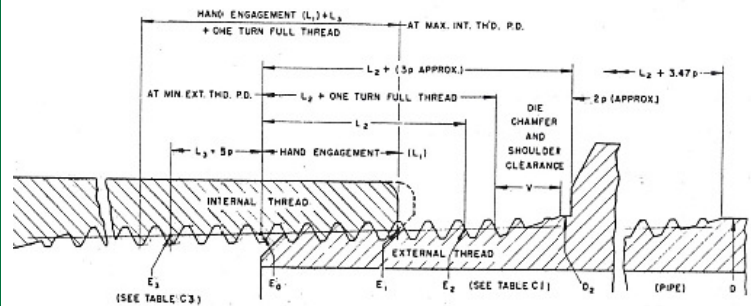
FOR FULL THREAD SPECIFICATION DETAILS SEE **ASME B1.1:2003**. ALL UNIFIED SCREW THREADS CONFORM TO THIS STANDARD.

DESIGNATION / NOMENCLATURE

$\frac{1}{2}$ – 12 *UNC* – 2A *RH*
 ↑ MAJOR DIA. (in.) (<1/4" ARE NUMBERED)
 ↑ THREADS PER IN.
 CLASS OF FIT: 1 – LOOSE, 2 – STANDARD, 3 – CLOSE
 TYPE (EXT. / INT. – A / B)
 CLASSIFICATION: *UNC* – UNIFIED NATIONAL COARSE, *UNF* – UNIFIED NATIONAL FINE, *UNEF* – UNIFIED NATIONAL EXTRA FINE
 THREAD DIRECTION (RIGHT / LEFT)

VONBERG PORT / CONNECTION NO.		FULL THREAD DESIGNATION
SAE / JIC	ORS	
-04		7/16 – 20 UNF – 2(A/B) RH
-06	-04	9/16 – 18 UNF – 2(A/B) RH
	-06	11/16 – 16 UN – 2(A/B) RH
-08		3/4 – 16 UNF – 2(A/B) RH
	-08	13/16 – 16 UN 2(A/B) RH
-10		7/8 – 14 UNF – 2(A/B) RH
	-10	1 – 14 UNS – 2(A/B) RH
-12		1 1/16 – 12 UN – 2(A/B) RH
-14	-12	1 3/16 – 12 UN – 2(A/B) RH
-16		1 5/16 – 12 UN – 2(A/B) RH
	-16	1 7/16 – 12 UN – 2(A/B) RH
-20		1 5/8 – 12 UN – 2(A/B) RH
	-20	1 11/16 – 12 UN – 2(A/B) RH
-24		1 7/8 – 12 UN – 2(A/B) RH
	-24	2 – 12 UN – 2(A/B) RH

NPTF – DRYSEAL AMERICAN TAPER PIPE THREADS



FOR FULL THREAD SPECIFICATION DETAILS SEE **SAE J476a**. ALL NPTF THREADS CONFORM TO THIS STANDARD.

THREAD FORM

THE ANGLE BETWEEN THE FLANKS OF THE THREAD IS 60°.

DIAMETRICAL TAPER OF THREADS IS 0.75 ± 0.06 in. PER 12.00 in. OF LENGTH.

DESIGNATION / NOMENCLATURE

$\frac{1}{4}$ – 18 *NPTF*
 ↑ NOMINAL SIZE (in.)
 ↑ THREADS PER IN.
 THREAD SERIES: *NPTF* – STANDARD TAPER PIPE, *PTF* – SAE SHORT TAPER PIPE, *NPSF* – FUEL INTERNAL STRAIGHT PIPE, *NPSI* – INTERMEDIATE INTERNAL STRAIGHT PIPE

VONBERG PORT / CONNECTION NO.	FULL THREAD DESIGNATION
1/8 NPTF	1/8 – 27 NPTF
1/4 NPTF	1/4 – 18 NPTF
3/8 NPTF	3/8 – 18 NPTF
1/2 NPTF	1/2 – 14 NPTF
3/4 NPTF	3/4 – 14 NPTF
1 NPTF	1 – 11 1/2 NPTF
1 1/4 NPTF	1 1/4 – 11 1/2 NPTF
1 1/2 NPTF	1 1/2 – 11 1/2 NPTF

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