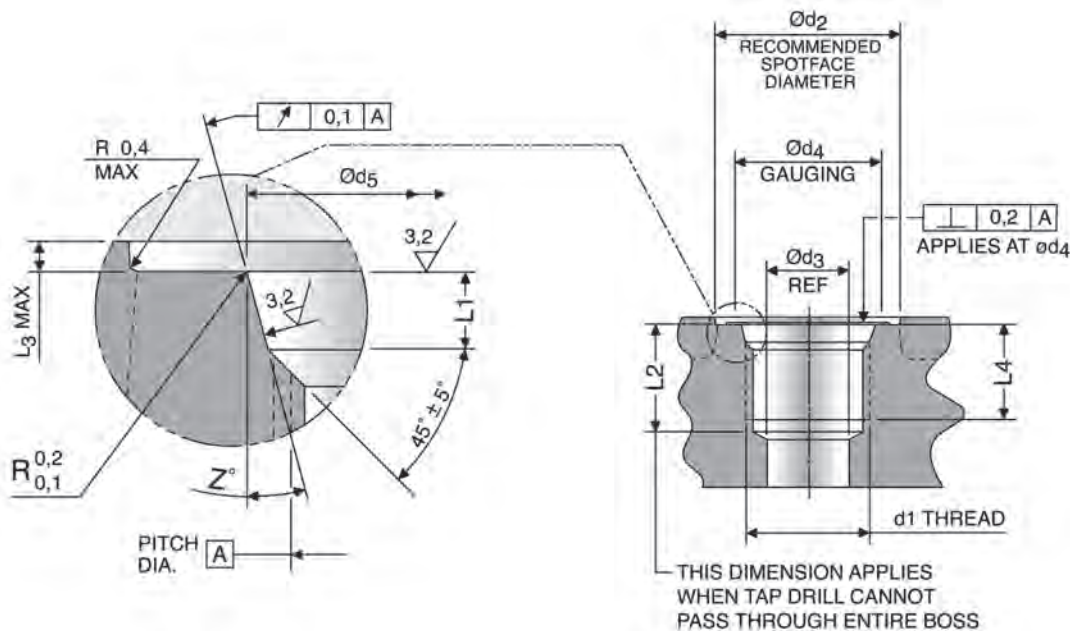


SAE J1926-1 — SAE Straight Thread O-Ring Port (ISO 11926-1)

UN/UNF Threads

TABLE
OF
CONTENTS

SECTION
TABLE OF
CONTENTS



Nominal Tube OD ¹⁾			Thread Size ANSI B1.1 (ISO 263) (in.)	d2 dia. ³⁾ (mm.)	d3 dia. min. (mm.)	d4 dia. min. (mm.)	d5 dia. ⁴⁾ +0.13 -0.00 (mm.)	L1 +0.4 -0.00 (mm.)	L2 ⁵⁾ min. (mm.)	L3 ^{3), 6)} max (mm.)	L4 Full Thread min. (mm.)	Z ±1° deg.	Parker O-Ring Size ⁷⁾
Nom ²⁾ SAE Dash Size	Inch (in.)	Metric (mm.)											
-2	1/8	— — —	5/16-24 UNF-2B	17	1.6	11	9.1	1.9	12.0	1.6	10.0	12°	3-902
-3	3/16	4	3/8-24 UNF-2B	19	3.2	13	10.7	1.9	12.0	1.6	10.0	12°	3-903
-4	1/4	6	7/16-20 UNF-2B	21	4.4	15	12.4	2.4	14.0	1.6	11.5	12°	3-904
-5	5/16	8	1/2-20 UNF-2B	23	6.0	16	14.0	2.4	14.0	1.6	11.5	12°	3-905
-6	3/8	10	9/16-18 UNF-2B	25	7.5	18	15.6	2.5	15.5	1.6	12.7	12°	3-906
-8	1/2	12	3/4-16 UNF-2B	30	10.0	22	20.6	2.5	17.5	2.4	14.3	15°	3-908
-10	5/8	14, 15, 16	7/8-14 UNF-2B	34	12.5	26	23.9	2.5	20.0	2.4	16.7	15°	3-910
-12	3/4	18, 20	1 1/16-12 UN-2B	41	16.0	32	29.2	3.3	23.0	2.4	19.0	15°	3-912
-14	7/8	22	1 3/16-12 UN-2B	45	18.0	35	32.3	3.3	23.0	2.4	19.0	15°	3-914
-16	1	25, 28	1 5/16-12 UN-2B	49	21.0	38	35.5	3.3	23.0	3.2	19.0	15°	3-916
-20	1 1/4	30, 32, 35	1 5/8-12 UN-2B	58	27.0	48	43.5	3.3	23.0	3.2	19.0	15°	3-920
-24	1 1/2	38, 42	1 7/8-12 UN-2B	65	33.0	54	49.8	3.3	23.0	3.2	19.0	15°	3-924
-32	2	50	2 1/2-12 UN-2B	88	45.0	70	65.7	3.3	23.0	3.2	19.0	15°	3-932

Table S23 — Port Detail — SAE J1926-1 (ISO 11926-1)

- Nominal tube OD is shown for the standard inch sizes and the conversion to equivalent millimeter sizes. Figures are for reference only, as any boss can be used for a tubing size depending upon other design criteria.
- See SAE J846 for more information.
- If face of boss is on a machined surface, dimensions d2 and L3 need not apply as long as corner radius R0.2 is maintained.
- Diameter d5 shall be concentric with thread pitch diameter within 0.004 in (0.1mm) FIM, and shall be free from longitudinal and spiral tool marks. Annular tool marks up to 100 µin (2.5µm) max. shall be permissible.
- Tap drill depths given require use of bottoming taps to produce the specified full thread lengths. Where standard taps are used, the tap drill depths must be increased accordingly.
- Maximum recommended spotface depth to permit sufficient wrench grip for proper tightening of the fitting or locknut.
- 90 durometer nitrile is standard for hydraulic applications.

For assembly torques see page R5.

Learn more about the size differences of SAE J1926 port ends in our TFD techConnect blog "Important System Design Considerations for SAE J1926 Ports."

Dimensions and pressures for reference only, subject to change.