

Thread Size Guide

Swagelok Tube Fittings

Tube Size	Fitting Series	Thread Size
1/16"	100	3/16 - 32 NF
1/8"	200	5/16 - 20 NC
3/16"	300	3/8 - 20 NC
1/4"	400	7/16 - 20 NF
5/16"	500	1/2 - 20 NF
3/8"	600	9/16 - 20 NF
1/2"	810	3/4 - 20 NF
5/8"	1010	7/8 - 20 NF
3/4"	1210	1 - 20 NF
7/8"	1410	1-1/8 - 20 NF
1"	1610	1-5/16 - 20 NF
1-1/4"	2000	1-5/8 - 20 NS-3
1-1/2"	2400	1-15/16 - 20 UN-3
2"	3200	2-5/8 - 20 UN-3

Swagelok Ultra-Torr Fittings

Tube Size	Fitting Series	Thread Size
1/16"	1	31/4 - 20 UNC
1/8"	2	3/8 - 20 UN
1/4"	4	1/2 - 20 UNF
5/16"	5	9/16 - 20 UN
3/8"	6	5/8 - 20 UN
1/2"	8	3/4 - 20 UNEF
5/8"	10	15/16 - 20 UNEF
3/4"	12	1-1/16 - 20 UN
7/8"	14	1-1/4 - 20 UN
1"	16	1-3/8 - 20 UN
1-1/8"	18	1-1/2 - 20 UN
1-1/4"	20	1-5/8 - 20 UN
1-1/2"	24	1-7/8 - 20 UN

Swagelok VCR Fittings

Tube Size	Fitting Series	Thread Size
1/16"	1	5/16 - 24 UNF
1/8"	2	5/16 - 24 UNF
1/4"	4	9/16 - 18 UNF
1/2"	8	7/8 - 14 UNF
3/4"	12	1-1/4 - 18 UNF
1"	16	1-1/2 - 20 UN

Swagelok VCO Fittings

Tube Size	Fitting Series	Thread Size
1/8"	2	9/16 - 18 UNF
1/4"	4	9/16 - 18 UNF
3/8"	6	7/8 - 14 UNF
1/2"	8	7/8 - 14 UNF
5/8"	10	1 - 14 UNF
3/4"	12	1-1/4 - 18 UNF
1"	16	1-1/2 - 20 UN

Swagelok Pipe Fittings

NPT Pipe Size	Pipe OD	Thread Per Inch
1/16"	0.3125 in	27
1/8"	0.405 in	27
1/4"	0.540 in	18
3/8"	0.675 in	18
1/2"	0.840 in	14
3/4"	1.050 in	14
1"	1.315 in	11-1/2
1-1/4"	1.660 in	11-1/2
1-1/2"	1.900 in	11-1/2
2"	2.375 in	11-1/2

SAE End Connections

SAE/MS Size	Suffix	Thread Size
1/16"	2ST	5/16 - 24
1/8"	4ST	7/16 - 20
1/4"	6ST	9/16 - 18
3/8"	8ST	3/4 - 16
1/2"	10ST	7/8 - 14
3/4"	12ST	1-1/16 - 12
1"	16ST	1-5/16 - 12
1-1/4"	20ST	1-5/8 - 12
1-1/2"	24ST	1-7/8 - 12
2"	32ST	2-1/2 - 12

37° Flare End Connections

AN 37° Flare	Suffix	Thread Size
1/8"	2AN	5/16 - 24 UNJF-3
1/4"	4AN	7/16 - 20 UNJF-3
5/16"	5AN	1/2 - 20 UNJF-3
3/8"	6AN	9/16 - 18 UNJF-3
1/2"	8AN	3/4 - 16 UNJF-3
3/4"	12AN	1-1/16 - 12 UNJF-3
1"	16AN	1-5/16 - 12 UNJF-3

The American thread series, with their symbols:

NC American National Coarse Thread
 NF American National Fine Thread
 NEF American National Extra Fine Thread
 8N American National 8 Pitch
 12N American National 12 Pitch
 16N American National 16 Pitch
 NS Special Threads of American National Form
 SB Manufacturers Stove Bolt Standard Thread
 UNC Unified Coarse Thread
 UNF Unified Fine Thread
 UN Unified diameter-pitch combination
 UNS Unified threads of special diameters, pitches, and length of engagement
 UNM Unified Miniature