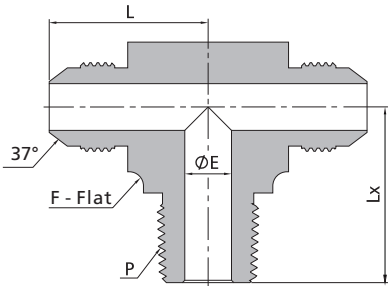
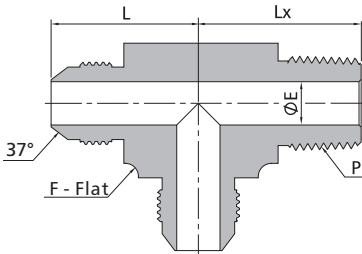


Male Branch Tees



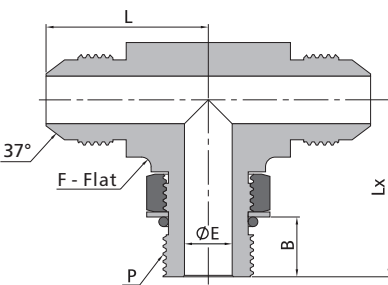
SAE 070425							
Tube O.D.		P-NPT Size	Basic Ordering Number	Dimension, mm			
in.	mm			L	E	F	Lx
1/8	3	1/8	-TTM-AN2-NS2	19.6	1.6	11.1	18.3
3/16	4	1/8	-TTM-AN3-NS2	21.1	3.2	11.1	18.3
1/4	6	1/8	-TTM-AN4-NS2	22.6	4.4	12.7	19.8
1/4	6	1/4	-TTM-AN4-NS4	26.9	4.4	14.3	27.7
5/16	8	1/8	-TTM-AN5-NS2	24.1	4.8	14.3	19.8
5/16	8	1/4	-TTM-AN5-NS4	26.9	6.0	14.3	27.7
3/8	10	1/8	-TTM-AN6-NS2	26.9	4.8	14.3	22.8
3/8	10	1/4	-TTM-AN6-NS4	26.9	7.1	14.3	27.7
3/8	10	3/8	-TTM-AN6-NS6	29.0	7.5	17.5	31.0
3/8	10	1/2	-TTM-AN6-NS8	31.2	7.5	20.6	37.3
1/2	12	1/4	-TTM-AN8-NS4	31.8	7.1	20.6	31.0
1/2	12	3/8	-TTM-AN8-NS6	31.8	9.9	20.6	31.0
1/2	12	1/2	-TTM-AN8-NS8	33.7	9.9	20.6	37.3
1/2	12	3/4	-TTM-AN8-NS12	36.0	9.9	25.4	40.4
5/8	16	3/8	-TTM-AN10-NS6	36.8	9.9	20.6	33.0
5/8	16	1/2	-TTM-AN10-NS8	36.8	12.3	20.6	37.3
5/8	16	3/4	-TTM-AN10-NS12	38.9	12.3	25.4	40.4
3/4	18	3/4	-TTM-AN12-NS12	42.2	15.5	27.0	40.4
3/4	18	1	-TTM-AN12-NS16	42.2	15.5	31.8	50.4
7/8	22	3/4	-TTM-AN14-NS12	45.7	18.3	31.8	42.9
1	25	3/4	-TTM-AN16-NS12	46.0	18.3	34.9	45.2
1	25	1	-TTM-AN16-NS16	46.0	21.5	34.9	50.0
1 1/4	32	1	-TTM-AN20-NS16	52.3	23.8	42.9	59.6
1 1/4	32	1 1/4	-TTM-AN20-NS20	52.3	27.5	42.9	60.5
1 1/2	38	1 1/2	-TTM-AN24-NS24	59.2	33.0	50.8	67.1
2	50	2	-TTM-AN32-NS32	77.7	45.0	63.5	76.2

Male Run Tees



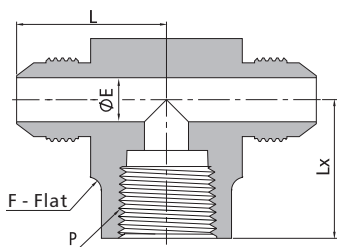
SAE 070424							
Tube O.D.		P-NPT Size	Basic Ordering Number	Dimension, mm			
in.	mm			L	E	F	Lx
1/8	3	1/8	-TMT-AN2-NS2	19.6	1.6	11.1	18.3
3/16	4	1/8	-TMT-AN3-NS2	21.1	3.2	11.1	18.3
1/4	6	1/8	-TMT-AN4-NS2	22.6	4.4	12.7	19.8
1/4	6	1/4	-TMT-AN4-NS4	26.9	4.4	14.3	27.7
5/16	8	1/8	-TMT-AN5-NS2	24.1	4.8	14.3	19.8
5/16	8	1/4	-TMT-AN5-NS4	26.9	6.0	14.3	27.7
3/8	10	1/8	-TMT-AN6-NS2	26.9	4.8	14.3	22.8
3/8	10	1/4	-TMT-AN6-NS4	26.9	7.1	14.3	27.7
3/8	10	3/8	-TMT-AN6-NS6	29.0	7.5	17.5	31.0
3/8	10	1/2	-TMT-AN6-NS8	31.2	7.5	20.6	37.3
1/2	12	1/4	-TMT-AN8-NS4	31.8	7.1	20.6	31.0
1/2	12	3/8	-TMT-AN8-NS6	31.8	9.9	20.6	31.0
1/2	12	1/2	-TMT-AN8-NS8	33.7	9.9	20.6	37.3
1/2	12	3/4	-TMT-AN8-NS12	36.0	9.9	25.4	40.4
5/8	16	3/8	-TMT-AN10-NS6	36.8	9.9	20.6	33.0
5/8	16	1/2	-TMT-AN10-NS8	36.8	12.3	20.6	37.3
5/8	16	3/4	-TMT-AN10-NS12	38.9	12.3	25.4	40.4
3/4	18	3/4	-TMT-AN12-NS12	42.2	15.5	27.0	40.4
3/4	18	1	-TMT-AN12-NS16	42.2	15.5	31.8	50.4
7/8	22	3/4	-TMT-AN14-NS12	45.7	18.3	31.8	42.9
1	25	3/4	-TMT-AN16-NS12	46.0	18.3	34.9	45.2
1	25	1	-TMT-AN16-NS16	46.0	21.5	34.9	50.0
1 1/4	32	1	-TMT-AN20-NS16	52.3	23.8	42.9	59.6
1 1/4	32	1 1/4	-TMT-AN20-NS20	52.3	27.5	42.9	60.5
1 1/2	38	1 1/2	-TMT-AN24-NS24	59.2	33.0	50.8	67.1
2	50	2	-TMT-AN32-NS32	77.7	45.0	63.5	76.2

Adjustable Male Branch Tees



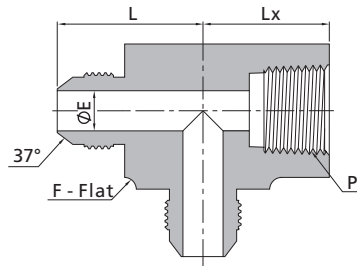
SAE 070429								
Tube O.D.		P-SAE/MS Thread Size	Basic Ordering Number	Dimension, mm				
in.	mm			L	E	F	Lx	B
1/8	3	5/16-24	-TTP-AN2-ST5	19.6	1.6	11.1	23.9	8.4
3/16	4	3/8-24	-TTP-AN3-ST6	21.1	3.2	11.1	23.9	8.4
1/4	6	7/16-20	-TTP-AN4-ST7	22.6	4.4	12.7	26.2	9.8
5/16	8	1/2-20	-TTP-AN5-ST8	24.1	6.0	14.3	28.7	9.8
3/8	10	9/16-18	-TTP-AN6-ST9	26.9	7.5	15.9	31.8	11.0
1/2	12	3/4-16	-TTP-AN8-ST12	31.8	9.9	20.6	36.8	12.5
5/8	16	7/8-14	-TTP-AN10-ST14	36.8	12.3	23.8	43.2	14.2
3/4	18	1 1/16-12	-TTP-AN12-ST17	42.2	15.5	31.8	49.3	16.5
7/8	22	1 3/16-12	-TTP-AN14-ST19	45.7	18.3	31.8	50.8	16.5
1	25	1 5/16-12	-TTP-AN16-ST21	46.0	21.5	34.9	52.1	16.5
1 1/4	32	1 5/8-12	-TTP-AN20-ST26	52.3	27.5	42.9	57.2	16.5
1 1/2	38	1 7/8-12	-TTP-AN24-ST30	59.2	33.0	50.8	60.7	16.5
2	50	2 1/2-12	-TTP-AN32-ST40	77.7	45.0	63.5	73.4	16.5

Female Branch Tees



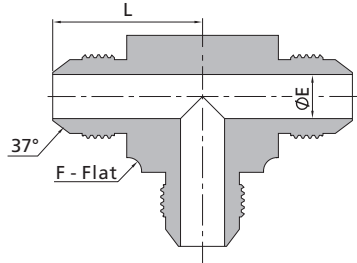
SAE 070427							
Tube O.D.		P-NPT Size	Basic Ordering Number	Dimension, mm			
in.	mm			L	E	F	Lx
1/8	3	1/8	-TTF-AN2-NS2	25.4	1.6	14.3	16.8
3/16	4	1/8	-TTF-AN3-NS2	26.2	3.2	14.3	16.8
1/4	6	1/8	-TTF-AN4-NS2	27.4	4.4	14.3	16.8
1/4	6	1/4	-TTF-AN4-NS4	30.9	4.4	20.6	22.4
5/16	8	1/8	-TTF-AN5-NS2	27.4	6.0	14.3	16.8
5/16	8	1/4	-TTF-AN5-NS4	30.9	6.0	20.6	22.4
3/8	10	1/8	-TTF-AN6-NS2	26.9	7.5	15.9	16.8
3/8	10	1/4	-TTF-AN6-NS4	31.2	7.5	20.6	22.4
3/8	10	3/8	-TTF-AN6-NS6	33.2	7.5	23.8	25.9
1/2	12	1/4	-TTF-AN8-NS4	31.6	9.9	20.6	22.4
1/2	12	3/8	-TTF-AN8-NS6	36.1	9.9	23.8	25.9
1/2	12	1/2	-TTF-AN8-NS8	36.1	9.9	27.0	31.2
5/8	16	1/2	-TTF-AN10-NS8	41.7	12.3	27.0	31.2
3/4	18	1/2	-TTF-AN12-NS8	42.1	15.5	31.8	31.2
3/4	18	3/4	-TTF-AN12-NS12	48.0	15.5	34.9	34.5
7/8	22	3/4	-TTF-AN14-NS12	47.2	18.3	34.9	36.1
1	25	1	-TTF-AN16-NS16	55.1	21.5	42.9	41.1
1 1/4	32	1 1/4	-TTF-AN20-NS20	59.2	27.5	50.8	43.2
1 1/2	38	1 1/2	-TTF-AN24-NS24	73.4	33.0	63.5	52.8
2	50	2	-TTF-AN32-NS32	83.8	45.0	63.5	60.7

Female Run Tees



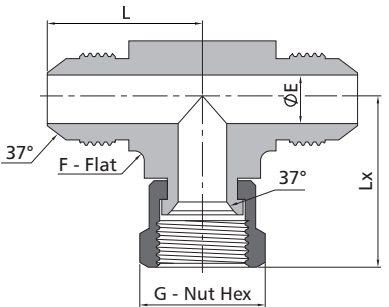
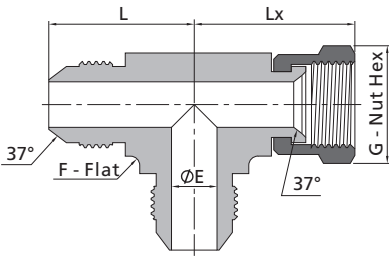
SAE 070426								
Tube O.D.		P-NPT Size	Basic Ordering Number	Dimension, mm				
in.	mm			L	E	F	Lx	
1/8	3	1/8	-TFT-AN2-NS2	25.4	1.6	14.3	16.8	
3/16	4	1/8	-TFT-AN3-NS2	26.2	3.2	14.3	16.8	
1/4	6	1/8	-TFT-AN4-NS2	27.4	4.4	14.3	16.8	
1/4	6	1/4	-TFT-AN4-NS4	30.9	4.4	20.6	22.4	
5/16	8	1/8	-TFT-AN5-NS2	27.4	6.0	14.3	16.8	
5/16	8	1/4	-TFT-AN5-NS4	30.9	6.0	20.6	22.4	
3/8	10	1/8	-TFT-AN6-NS2	26.9	7.5	15.9	16.8	
3/8	10	1/4	-TFT-AN6-NS4	31.2	7.5	20.6	22.4	
3/8	10	3/8	-TFT-AN6-NS6	33.2	7.5	23.8	25.9	
1/2	12	1/4	-TFT-AN8-NS4	31.6	9.9	20.6	22.4	
1/2	12	3/8	-TFT-AN8-NS6	36.1	9.9	23.8	25.9	
1/2	12	1/2	-TFT-AN8-NS8	36.1	9.9	27.0	31.2	
5/8	16	1/2	-TFT-AN10-NS8	41.7	12.3	27.0	31.2	
3/4	18	1/2	-TFT-AN12-NS8	42.1	15.5	31.8	31.2	
3/4	18	3/4	-TFT-AN12-NS12	48.0	15.5	34.9	34.5	
7/8	22	3/4	-TFT-AN14-NS12	47.2	18.3	34.9	36.1	
1	25	1	-TFT-AN16-NS16	55.1	21.5	42.9	41.1	
1 1/4	32	1 1/4	-TFT-AN20-NS20	59.2	27.5	50.8	43.2	
1 1/2	38	1 1/2	-TFT-AN24-NS24	73.4	33.0	63.5	52.8	
2	50	2	-TFT-AN32-NS32	83.8	45.0	63.5	60.7	

Union Tees



SAE 070401					
Tube O.D.		Basic Ordering Number	Dimension, mm		
in.	mm		L	E	F
1/8	3	-TTT-AN2	19.6	1.6	11.1
3/16	4	-TTT-AN3	21.1	3.2	11.1
1/4	6	-TTT-AN4	22.6	4.4	12.7
5/16	8	-TTT-AN5	24.1	6.0	14.3
3/8	10	-TTT-AN6	26.9	7.5	14.3
1/2	12	-TTT-AN8	31.8	9.9	20.6
5/8	16	-TTT-AN10	36.8	12.3	20.6
3/4	18	-TTT-AN12	42.2	15.5	27.0
7/8	22	-TTT-AN14	45.7	18.3	31.8
1	25	-TTT-AN16	46.0	21.5	34.9
1 1/4	32	-TTT-AN20	52.3	27.5	42.9
1 1/2	38	-TTT-AN24	59.2	33.0	50.8
2	50	-TTT-AN32	77.7	45.0	63.5

Union Tees



SAE 070432							
Tube O.D.		Basic Ordering Number	Dimension, mm				
in.	mm		L	E	F	Lx	G
1/8	3	-TTT-AN2-AS2-AN2	19.6	1.6	11.1	24.6	11.1
3/16	4	-TTT-AN3-AS3-AN3	21.1	3.2	11.1	25.4	12.7
1/4	6	-TTT-AN4-AS4-AN4	22.6	4.4	12.7	25.4	14.3
5/16	8	-TTT-AN5-AS5-AN5	24.1	6.0	14.3	26.9	15.9
3/8	10	-TTT-AN6-AS6-AN6	26.9	7.5	14.3	31.8	17.5
1/2	12	-TTT-AN8-AS8-AN8	31.8	9.9	20.6	35.1	22.2
5/8	16	-TTT-AN10-AS10-AN10	36.8	12.3	20.6	41.1	25.4
3/4	18	-TTT-AN12-AS12-AN12	42.2	15.5	27.0	44.4	31.8
7/8	22	-TTT-AN14-AS14-AN14	45.7	18.3	31.8	45.2	34.9
1	25	-TTT-AN16-AS16-AN16	46.0	21.5	34.9	50.8	38.1
1 1/4	32	-TTT-AN20-AS20-AN20	52.3	27.5	42.9	58.7	50.8
1 1/2	38	-TTT-AN24-AS24-AN24	59.2	33.0	50.8	65.8	60.3
2	50	-TTT-AN32-AS32-AN32	77.7	45.0	63.5	85.9	73.0

SAE 070433							
Tube O.D.		Basic Ordering Number	Dimension, mm				
in.	mm		L	E	F	Lx	G
1/8	3	-TTT-AN2-AN2-AS2	19.6	1.6	11.1	24.6	11.1
3/16	4	-TTT-AN3-AN3-AS3	21.1	3.2	11.1	25.4	12.7
1/4	6	-TTT-AN4-AN4-AS4	22.6	4.4	12.7	25.4	14.3
5/16	8	-TTT-AN5-AN5-AS5	24.1	6.0	14.3	26.9	15.9
3/8	10	-TTT-AN6-AN6-AS6	26.9	7.5	14.3	31.8	17.5
1/2	12	-TTT-AN8-AN8-AS8	31.8	9.9	20.6	35.1	22.2
5/8	16	-TTT-AN10-AN10-AS10	36.8	12.3	20.6	41.1	25.4
3/4	18	-TTT-AN12-AN12-AS12	42.2	15.5	27.0	44.4	31.8
7/8	22	-TTT-AN14-AN14-AS14	45.7	18.3	31.8	45.2	34.9
1	25	-TTT-AN16-AN16-AS16	46.0	21.5	34.9	50.8	38.1
1 1/4	32	-TTT-AN20-AN20-AS20	52.3	27.5	42.9	58.7	50.8
1 1/2	38	-TTT-AN24-AN24-AS24	59.2	33.0	50.8	65.8	60.3
2	50	-TTT-AN32-AN32-AS32	77.7	45.0	63.5	85.9	73.0