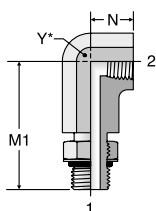
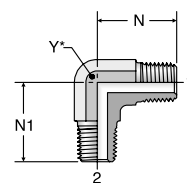


AOE4G Full DimensionsExtra Long Female Pipe Elbow
NPTF / SAE-ORB

HPD Base # 5502

**CR** Full DimensionsMale Pipe Elbow
NPTF / NPTF

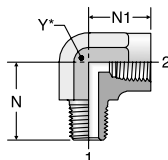
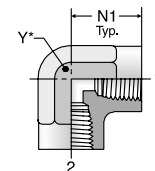
SAE 140237*

* Y – Across
Wrench Flats

TUBE FITTING PART #	END SIZE		M1 (in.)	N (in.)	Y (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)		
	1 UN/UNF-2A	2 NPTF				-S	-SS	-B
8-3/8 AOE4G	3/4-16	3/8-18	2.94	0.63	7/8	4.5		
10-1/2 AOE4G	7/8-14	1/2-14	3.56	0.75	1 1/16	3.0		
12-3/4 AOE4G	1 1/16-12	3/4-14	4.06	0.81	1 5/16	3.0		
16-1 AOE4G	1 5/16-12	1-11 1/2	4.63	1.00	1 5/8	1.8		

TUBE FITTING PART #	END SIZE		N (in.)	N1 (in.)	Y (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)		
	1 NPTF	2 NPTF				-S	-SS	-B
1/8 CR	1/8-27	1/8-27	0.78	0.78	7/16	6.0	6.0	3.9
1/4 CR	1/4-18	1/4-18	1.09	1.09	9/16	6.0	6.0	3.9
3/8 CR	3/8-18	3/8-18	1.22	1.22	3/4	6.0	6.0	3.9
3/8 x 1/4 CR	3/8-18	1/4-18	1.22	1.22	3/4	6.0	6.0	
1/2 CR	1/2-14	1/2-14	1.47	1.47	7/8	6.0	6.0	3.9
1/2 x 3/8 CR	1/2-14	3/8-18	1.47	1.28	7/8	6.0	6.0	
3/4 CR	3/4-14	3/4-14	1.59	1.59	1 1/16	4.0	4.0	2.6
3/4 x 1/2 CR	3/4-14	1/2-14	1.59	1.47	1 1/16	4.0		
1 CR	1-11 1/2	1-11 1/2	1.97	1.97	1 5/8		3.0	
1 x 3/4 CR	1-11 1/2	3/4-14	1.97	1.78	1 5/16	3.0		
1 1/4 CR	1 1/4-11 1/2	1 1/4-11 1/2	2.22	2.22	1 7/8	2.5	2.5	
1 1/2 CR	1 1/2-11 1/2	1 1/2-11 1/2	2.34	2.34	1 7/8	2.5		

* Not shown in SAE J514, but coded per SAE J846.

CD Full DimensionsStreet Elbow
NPTF / NPTFSAE 140239
HPD Base # 2102**DD** Full DimensionsFemale Pipe Elbow
NPTF / NPTFSAE 140238
HPD Base # 2202

TUBE FITTING PART #	END SIZE		N (in.)	N1 (in.)	Y (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)		
	1 NPTF	2 NPTF				-S	-SS	-B
1/8 CD	1/8-27	1/8-27	0.78	0.66	9/16	5.0	5.0	3.2
1/8 x 1/4 CD	1/8-27	1/4-18	0.90	0.88	9/16	5.0	5.0	
1/4 CD	1/4-18	1/4-18	1.09	0.88	3/4	5.0	5.0	3.2
1/4 x 1/8 CD	1/4-18	1/8-27	1.09	0.66	9/16	5.0	5.0	
1/4 x 1/2 CD	1/4-18	1/2-14	1.28	1.23	1 1/16		3.0	
1/4 x 3/8 CD	1/4-18	3/8-18	1.22	1.01	7/8	4.5	4.5	
3/8 CD	3/8-18	3/8-18	1.22	1.02	7/8	4.5	4.5	3.0
3/8 x 1/4 CD	3/8-18	1/4-18	1.22	0.88	3/4	5.0	5.0	
3/8 x 1/2 CD	3/8-18	1/2-14	1.28	1.23	1 1/16	3.0	3.0	
1/2 CD	1/2-14	1/2-14	1.47	1.23	1 1/16	3.0	3.0	1.9
1/2 x 3/8 CD	1/2-14	3/8-18	1.48	1.25	7/8	4.5	4.5	
1/2 x 3/4 CD	1/2-14	3/4-14	1.58	1.36	1 5/16	3.0		
3/4 CD	3/4-14	3/4-14	1.59	1.36	1 5/16	3.0	3.0	1.9
3/4 x 1/2 CD	3/4-14	1/2-14	1.59	1.23	1 1/16	3.0	3.0	
1 CD	1-11 1/2	1-11 1/2	1.97	1.63	1 5/8	1.8	1.8	1.2
1 1/4 CD	1 1/4-11 1/2	1 1/4-11 1/2	2.38	1.70	1 7/8	1.5	1.5	
1 1/4 x 1 1/2 CD	1 1/4-11 1/2	1 1/2-11 1/2	2.61	2.08	2 1/2	1.5		
1 1/2 CD	1 1/2-11 1/2	1 1/2-11 1/2	2.64	2.08	2 1/2	1.5	1.5	

TUBE FITTING PART #	END SIZE		N1 (in.)	Y (in.)	STANDARD Dynamic Pressure (x 1,000 PSI)		
	1 NPTF	2 NPTF			-S	-SS	-B
1/8 DD	1/8-27	1/8-27	0.66	9/16	5.0	5.0	3.2
1/4 DD	1/4-18	1/4-18	0.88	3/4	5.0	5.0	3.2
3/8 DD	3/8-18	3/8-18	1.02	7/8	4.5	4.5	3.0
1/2 DD	1/2-14	1/2-14	1.23	1 1/16	3.0	3.0	1.9
1/2 x 3/8 DD	1/2-14	3/8-18	1.23	1 1/16			
3/4 DD	3/4-14	3/4-14	1.36	1 5/8	3.0	3.0	1.9
1 DD	1-11 1/2	1-11 1/2	1.63	1 7/8	1.8	1.8	1.2
1 1/4 DD	1 1/4-11 1/2	1 1/4-11 1/2	1.70	1 7/8	1.5	1.5	
1 1/2 DD	1 1/2-11 1/2	1 1/2-11 1/2	2.08	2 1/2	1.5	1.5	

Dimensions and pressures for reference only, subject to change.

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