



PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F
20103	1/8	1/8	0.73	0.65	5/16	0.81	9/16	1.03
20104	5/32	10-32*	0.73	0.65	5/16	0.71	5/16	0.89
20109	5/32	1/8	0.75	0.67	3/8	0.94	3/8	1.23
20105	1/4	1/8	1.00	0.92	3/8	0.97	9/16	1.21
20106	1/4	1/4	1.00	0.92	3/8	1.09	3/4	1.33
20107	3/8	1/4	1.04	0.96	1/2	1.14	3/4	1.53
20108	3/8	3/8	1.04	0.96	1/2	1.23	7/8	1.53
20110	1/2	3/8	1.24	1.16	5/8	1.34	1 1/16	1.70
20111	1/2	1/2	1.24	1.16	5/8	1.64	7/8	2.00

A

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4			TOLERANCES ARE: DECIMALS, .X ± 0.03 .XX ± 0.01 .XXX ± 0.005 ANGLES ± 1° FRACTIONS ± 1/8
3			
2			
1		A	
NO.	PCA	Date	Revision

Date:	02/02/04	UNIT:	INCH
Drawn:	Rita Sue	Scale:	
Checked:		PROJECT	
Approved:			

Material:	CA377 BRASS
Part Title:	SWIVEL MALE BRANCH TEE

MIDLAND METAL MFG. CO.
KANSAS CITY, MO

DWG. NO.