



PART NUMBER	TUBE O.D.	PIPE THREAD	A	B	C	D	E	F
20162	1/4	1/8	1.00	0.92	1/2	1.04	3/8	1.29
20163	1/4	1/4	1.00	0.92	9/16	1.13	3/8	1.33
20165	3/8	3/8	1.04	0.96	11/16	1.24	1/2	1.43
20166	1/2	3/8	1.22	1.14	5/8	1.31	11/16	1.59

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:	01/30/04	UNIT:	INCH
Drawn:	Rita Sue	Scale:	
Checked:		PROJECT	
Approved:			

MIDLAND METAL MFG. CO.
KANSAS CITY, MO

Material:	CA377 BRASS
Part Title:	SWIVEL MALE RUN TEE

DWG. NO.	
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