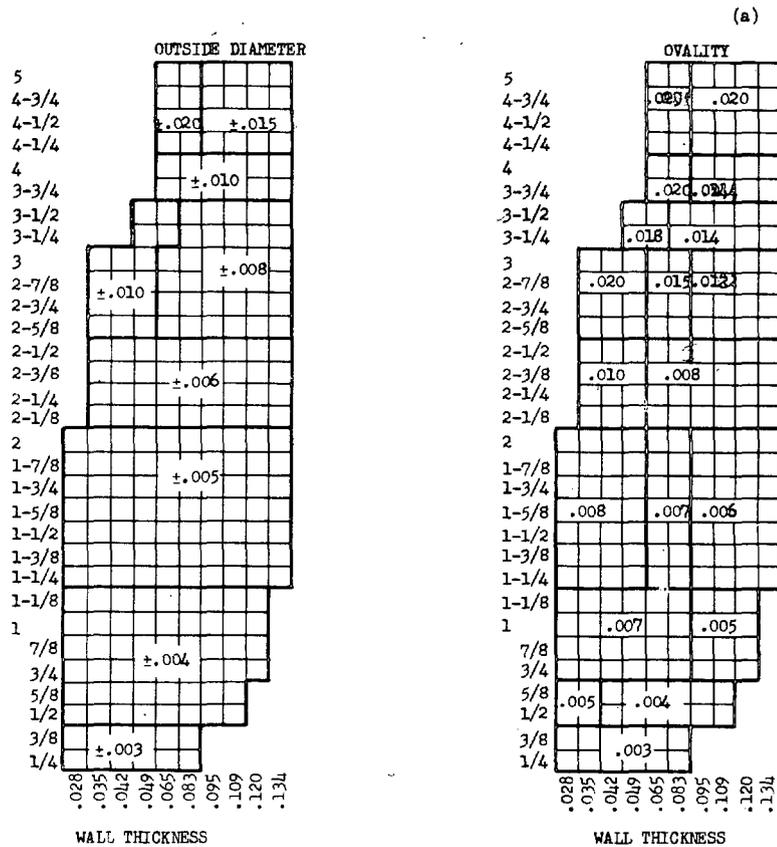


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GAUGE OR WALL THICKNESS, INCHES	WALL THICKNESS TOLERANCE			
	DIAMETER, INCHES			
	1/4 TO 7/8	1 TO 1-7/8	2 TO 3-3/4	4 TO 5
.028	+0.0015 -0.003	+0.0015 -0.003	- -	- -
.035	+0.0015 -0.004	+0.0015 -0.004	+0.002 -0.004	- -
.049	+0.0015 -0.004	+0.0015 -0.005	+0.002 -0.005	- -
.065	+0.002 -0.004	+0.002 -0.005	+0.0025 -0.005	+0.000 -0.006
.083	+0.002 -0.004	+0.002 -0.005	+0.0025 -0.006	+0.000 -0.007
.095	+0.002 -0.004	+0.002 -0.005	+0.0025 -0.006	+0.000 -0.007
.109	- -	+0.002 -0.006	+0.0025 -0.006	+0.000 -0.007
.120	- -	+0.002 -0.006	+0.0025 -0.006	+0.000 -0.007
.134	- -	+0.002 -0.006	+0.0025 -0.006	+0.000 -0.007

INSIDE WELDING FLASH	
GRADE	MAXIMUM HEIGHT OF FLASH
FLASH-IN	60% OF WALL THICKNESS BUT IN NO CASE TO EXCEED 3/64 INCH
STANDARD OD TOLERANCES UP TO 25% CLOSER THAN STANDARD, OR ID TOLERANCES UP TO 40% CLOSER THAN STANDARD	0.010 INCH
	0.002 INCH

(a) OVALITY IS THE DIFFERENCE BETWEEN THE MAXIMUM AND MINIMUM DIAMETERS OF ANY ONE SECTION OF TUBE.

STRAIGHTNESS TOLERANCE: STANDARD TOLERANCE FOR STRAIGHTNESS IS 0.030 INCHES IN A LENGTH OF 3 FEET FOR TUBING LENGTHS 24 FEET AND UNDER.

THIS IS A DESIGN STANDARD. NOT USED AS A PART NUMBER.

CUSTODIAN Navy - BuAer Air Force	<b>MILITARY STANDARD</b>		<b>MS33530(ASG)</b>
	PROCUREMENT SPECIFICATION NONE	TOLERANCES - WELDED CARBON AND ALLOY STEEL TUBING	