ASTM A179-88a / ASME SA179 SEAMLESS COLD DRAWN LOW CARBON STEEL HEAT EXCHANGER AND CONDENSER TUBES

This standard is issued under the fixed designation A 179/A 179M; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (2) indicates an editorial change since the last revision or reapproval.

1. Scope

1.1 This specification covers minimum-wall-thickness, seamless cold-drawn low-carbon steel tubes for tubular heat exchangers, condensers, and similar heat transfer apparatus.

1.2 This specification covers tubes 1/8 to 3 in. [3.2 to 76.2 mm], inclusive, in outside diameter.

NOTE 1ATubing smaller in outside diameter and having a thinner all than indicated in this specification is available. Mechanical property requirements do not apply to tubing smaller than 1/8 in. [3.2 mm] in outside diameter or with a wall thickness under 0.05 in. [0.4 mm].

1.3 The values stated in either inch-pound units or SI units are to be regarded separately as standard. Within the text, the SI units are shown in brackets. The values stated in each system are not exact equivalently; therefore, each system must be used independently of the other. Combining values from the two systems may result in nonconformance with the specification. The inch-pound units shall apply unless the "M" designation of this specification is specified in the order.

Material Comparison Tables (ASTM, KS, JIS, DIN, BS, NBN, NF, UNI)

ASTM Standard	UNS NO.	KOREA/JAPANES			GERMAN				BRITISH			BELGIAN			FRENCH			ITALIAN		
		KS/JIS Symbol	KS/JIS Number	Remarks	DIN Type	DIN Number	Material Number	Remarks	B.S Number	B.S Grade	Remarks	NBN Type	NBN Grade	Remarks	AFNOR Type	NF Number	Remarks	UNI Type	UNI Number	Remarks
A 179 Seamless Cold Drawn Low-C Steel Heat Exchanger and Condenser Tubes	K01200	STBH 340 / STB 35	D3563 / G3461		St 35.4	1629	1.0309		3606	CFS 320		D37-2	629	(3b)	TU 37 C	A49-215	(3a)	C 14	5462	
					St 35.8	17175	1.0305	Plus DIN 2391 (18) Gutegard C.NBK												