

**ASTM A135-89a/ ASME SA135-89a ELECTRIC FUSION (ARC) WELDED STEEL PIPE**

This standard is issued under the fixed designation A 135; 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. This specification has been approved for use by agencies of the Department of Defense. Consult the DoD Index of Specifications and Standards for specific year of issue which has been adopted by the Department of Defense.

1.Scope

1.1 This specification covers two grades of electric-resistance-welded steel pipe in NPS 2 TO NPS 30 inclusive, with nominal (average) wall thickness up to 0.500 in. ( 12.70 mm), inclusive, and in nominal sizes 3/4 to 5 in. (19 to 127 mm) inclusive with nominal (average) wall thickness 0.083 in. (2.11 mm) to 0.314 in. (3.40 mm), depending on size. Pipe having other dimensions 9Note 1) may be furnished provided such pipe complies with all other requirements of this specification. The pipe is intended for conveying liquid, gas, or vapor; and only Grade A is adapted for flanging and bending (Note 2). The suitability of pipe for various purposes is somewhat dependent upon its dimensions, properties, and conditions of service, so that the purpose for which the pipe is intended should be stated in the order. The pipe may be furnished either nonexpanded or cold expanded, the amount of expansion shall not exceed 1.5% of the outside diameter pipe size.

NOTE 1A A comprehensive listing of standardized pipe dimensions is contained in ANSI B36.10.

NOTE 2A This provision is not intended to prohibit the cold bending of Grade B pipe.

1.2 The values stated in inch-pound units are to be regarded as the standard.

JIS Number and Corresponding Foreign Standards

JIS			ASTM			BS			DIN			NF			ISO			Index Number	
Standard Number	Grade	Type	Standard Number	Grade	Type	Standard Number	Grade	Type	Standard Number	Grade	Type	Standard Number	Grade	Type	Standard Number	Grade	Type		
G3454	STPG370 (STPG38)	C	A135	Gr A	C	3601	ERW360	C	1626	St37.0	C	A49-112	TS27b	C	559	TS4	C	C002	
			A587	-	C	"	S360	C	1629	St37.0	C	A49-141	TS37a	C	2604/2	TS4	C		
										17172	StE210.7	C	A49-142	TS37a	C	2604/3	TW4		C
													"	TS37b	C				
													A49-150	TSE235	C				
													A49-212	TS37c	C				
													A49-242	TS37c	C				

												A49-250	TAE24a	C				
												A49-400	TSE220	C				
	STPG410	C	A135	Gr B	C	3601	ERW410	C	1626	St44.0	C	A49-112	TS42b	C	559	TS9	C	
	(STPG42)		A524	-	C	"	S410	C				A49-141	TS42b	C	2604/2	TW9	C	
												A49-212	TS42c	C	2604/3	TW9	C	
												A49-242	TS42c	C	3183	E24-1	C	
												A49-250	TSE26b	C	"	E24-2		
												A49-400	TSE250	C				