

NF A49-146-75 STEEL TUBES UNTHREADED PLAIN ENDED WELDED TUBES FOR LIQUIDS

1. Chemical Composition

Grade	Mfg. Process	Chemical composition(%)								
		C	Si	Mn	P	S	Ni	Cr	Mo	Others
TS34-a	B, E	0.18Max	-	-	0.062Max	0.062Max	-	-	-	N 0.009Max

2. Mechanical Properties

Grade	Tensile Test MPa or N/mm ²		Remarks (Similar to JIS)
	Min Yield point	Tensile Strength	
TS34-a	220	330Min	(SGP)

JIS Number and Corresponding Foreign Standards

JIS			ASTM			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	
G3452	SGP	C	A53	Type F	C	1615	St33-2	C	A49-145	TS34-1	C	65	TW	C	C001
						2441	St33-2	C	A49-146	TS334-a	C	559	TWO	C	