

NF A49-341-75 STEEL TUBES PRECISION WELDED TUBES FOR MECHANICAL APPLICATION

1. Chemical Composition

Grade	Mfg. Process	Chemical Composition (%)								
		C	Si	Mn	P	S	Ni	Cr	Mo	Others
TS30o	B, E	0.15Max	-	-	0.075Max	0.62	-	-	-	-
TS30a	B, E	0.15Max	-	-	0.062Max	0.62	-	-	-	N 0.009Max
TS34a	B, E	0.18Max	-	-	0.062Max	0.62	-	-	-	N 0.009Max
TS7a	B, E	0.22Max	-	-	0.062Max	0.62	-	-	-	N 0.009Max
TS42a	B, E	0.24Max	0.45Max	1.40Max	0.055Max	0.55Max	-	-	-	-
TS47a	B, E	0.24Max	0.60Max	1.60Max	0.055Max	0.55Max	-	-	-	-

2. Mechanical Properties

Grade	Tensile Test MPa or N/mm ²		Remarks
	Min Yield point	Tensile Strength	
TS30o	(Normalized)		
	175	310Min	
TS30a	(Normalized)		
	185	310Min	
TS34a	(Normalized)		
	210	330Min	
TS7a	(Normalized)		
	240	380Min	
TS42a	(Normalized)		(STKM18)
	270	430Min	
TS47a	(Normalized)		(STKM18)
	300	480Min	

JIS Number and Corresponding Foreign Standards

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