

ISO 2937-74 PLAIN END SEAMLESS STEEL TUBES FOR MECHANICAL APPLICATION

1. Chemical Composition

Grade	Mfg. Process	Chemical Composition (%)								
		C	Si	Mn	P	S	Ni	Cr	Mo	Others
TS1	S	0.16Max	-	0.30-0.70	0.050Max	0.050Max	-	-	-	-
TS4	S	0.17Max	0.35Max	0.40-0.80	0.045Max	0.045Max	-	-	-	-
TS9	S	0.21Max	0.35Max	0.40-1.20	0.045Max	0.045Max	-	-	-	-
TS18	S	0.23Max	0.35Max	0.80-1.50	0.045Max	0.045Max	-	-	-	-
C35	S	0.32-0.39	0.15-0.40	0.50-0.80	0.050Max	0.050Max	-	-	-	-

2. Mechanical Properties

Grade	Tensile Test MPa or N/mm ²		Remarks (Similar to JIS)
	Min Yield point	Tensile Strength	
TS1	195	320-440	-
TS4	215	360-480	(STKM13) (STC38)
TS9	235	410-530	(STKM14)
TS18	285	490-610	(STKM19)
C35	275	540-660	-

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	
G3445	STKM11A	C	A512	MT1010	C	1717	ERWC1	C	2391	St30Si	C				3304	R28	C	C017
			A513	MT1010	C					St30A1	C				3305	"	C	
									2393	St28	C				3306	"	C	
										RSt28	C							

	STKM16A	C	A519	1040	C						A49-311	TUXC35	C				
											A49-312	TUXC35	C				
	STKM16C	C															
	STKM17A	C	A519	1050	C	6323	HFS8	C									
	STKM17C	C				6323	CFS8	C									
	STKM18A	C	A519	1518	C	1717	ERWC5	C			A49-310	TU52b	C				
											A49-311	TU52b	C				
											A49-312	TU52b	C				
	STKM18B	C									A49-321	TU52b	C				
											A49-323	TU52b	C				
											A49-326	TU52b	C				
	STKM18C	C									A49-330	TU52b	C				
											A49-341	TS42a	C				
											"	TS47a	C				
											A49-343	TS18M5	C				
	STKM19A	C	A519	1524	C				2391	ST52	C			2937	TS18	C	
									2393	ST52-3	C			2938	Gr.1	C	
									2394	ST52-3	C			3304	R50	C	
														3305	R50	C	
														3306	R50	C	
	STKM20A	C															

JIS Number and Corresponding Foreign Standards

JIS			BS			DIN			ISO			Index Number
Standard Number	Grade	Type	Standard Number	Grade	Type	Standard Number	Grade	Type	Standard Number	Grade	Type	
G3473	STD370	C	5242/1	HP1	C	2391	St35		2937	TS4	C	C022

