



SUVARNABHUMI
PIPE

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8 ซอยลาดกระบัง 38 แขวงลาดกระบัง เขตลาดกระบัง กรุงเทพฯ 10520

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SPECIFICATION (AVAILABLE TUBE GRADE : STKM, SCM, SAE, STAM, SUS, SxxC)

JIS G3445

(Japanese Industrial Standard for Carbon Steel Tube for Machine Structural Purpose)

JIS G3445	C	Si	Mn	P	Si	Tention Test				Bend Test		Flatening
						T.S. Kg/mm ²	T.P. Kg/mm ²	Elongation		Bend Angle	Inside Radius	Distance Between Flatened Plates
								No.4,11,12 Test pc	No.4,5 Test pc			
STKM 11 A	0.12 max.	0.35 max.	0.60 max.	0.040 max.	0.040 max.	290 min	-	35 min	30 min	180 °	4 D	1/2 D
STKM 12 A	0.20 max.	0.35 max.	0.60 max.	0.040 max.	0.040 max.	340 min	175 min	35 min	30 min	90 °	6 D	2/3 D
STKM 12 B						390 min	275 min	25 min	20 min	90 °	6 D	2/3 D
STKM 12 C						470 min	355 min	20 min	15 min	-	-	-
STKM 13 A	0.25 max	0.35 max.	0.30~0.90	0.040 max.	0.040 max.	370 min	215 min	30 min	25 min	90 °	6 D	2/3 D
STKM 13 B						440 min	305 min	20 min	15 min	90 °	6 D	3/4 D
STKM 13 C						510 min	380 min	15 min	10 min	-	-	-
STKM 14 A	0.30 max	0.35 max.	0.30~1.00	0.040 max.	0.040 max.	410 min	245 min	25 min	20 min	90 °	6 D	3/4 D
STKM 14 B						500 min	355 min	15 min	10 min	90 °	8 D	7/8 D
STKM 14 C						550 min	410 min	15 min	10 min	-	-	-
STKM 15 A	0.25~0.35	0.35 max	0.30~1.0 max	0.040 max	0.040 max	550 min	345 min	20 min	15 min	90 °	8 D	7/8D
STKM 15 C						650 min	480 min	10 min	5min	-	-	-
STKM 16 A	0.35~0.45	0.40max	0.40~1.00 max	0.040 max	0.040 max	470 min	275 min	22 min	17 min	90 °	8 D	7/8 D
STKM 16 C						580 min	430 min	12 min	7 min	-	-	-
STKM 17 A	0.45~0.55	0.40 max	0.40~1.00 max	0.040 max	0.040 max	550 min	315 min	15 min	18 min	90 °	6 D	7/8 D
STKM 17 C						440 min	380 min	23 min	10 min	-	-	-
STKM 18 A	0.25 max	0.35 max.	0.30~0.90	0.040 max.	0.040 max.	370 min	215 min	30 min	25 min	90 °	6 D	7/8 D
STKM 18 B						440 min	305 min	20 min	15 min	90 °	8 D	7/8 D
STKM 18 C						510 min	380 min	15 min	10 min	-	-	-
STKM 19 A	0.25 max	0.55 max	1.50 max	0.040 max	0.040 max	490 min	315 min	23 min	18 min	90 °	6 D	7/8 D
STKM 19 C						550 min	410 min	15 min	10 min	-	-	-
STKM 20 A	0.12 max.	0.35 max.	0.60 max.	0.040 max.	0.040 max.	290 min	-	35 min	30 min	180 °	4 D	7/8 D

JIS G3472

(Japanese Industrial Standard for Electric Welded Carbon Steel Tube for Machine Structural Purpose)

JIS G3472	C	Si	Mn	P	Si	Tention Test			Flatening
						T.S. Kg/mm ²	T.P. Kg/mm ²	Elongation	Distance Between Flatened Plates
								No.4,11,12 Test pc	
STAM 290 GA	0.12 max.	0.35 max	0.60 max	0.035 max	0.035 max	290 min	175 min	40 min	1.25 D
STAM 290 GB						290 min	175 min	35 min	1.20 D
STAM 340 G	0.20 max.	0.35 max.	0.60 max.	0.035 max.	0.035 max.	340 min	195 min	35 min	1.20 D
STAM 390 G	0.25 max.	0.35 max.	0.30~0.90	0.035 max.	0.035 max.	390 min	235 min	30 min	1.20 D
STAM 440 G	0.25 max	0.35 max	0.30~0.90	0.035 max	0.035 max	440 min	305 min	25 min	1.15 D
STAM 440 H						440 min	355 min	20 min	1.15 D
STAM 470 G	0.25 max	0.35 max	0.30~0.90	0.035 max	0.035 max	470 min	325min	22 min	1.15 D
STAM 470 H						470 min	410 min	18 min	1.10 D
STAM 500 G	0.30 max	0.35 max	0.30~1.00	0.035 max	0.035 max	500 min	355 min	18 min	1.15 D
STAM 500 H						500 min	430 min	16 min	1.10 D
STKM 540 H	0.30 max.	0.35 max.	0.30~1.00	0.035 max.	0.035 max.	540 min	480min	13 min	1.05 D

JIS G3444

(Japanese Industrial Standard for Carbon Steel Tube for General Structural Purpose)

JIS G3444	C	Si	Mn	P	S	Tention Test				Bend Test		Flatening
						T.S. Kg/mm ²	T.P. Kg/mm ²	Elongation		Bend Angle	Inside Radius	Distance Between Flatened Plates
Symbol	No.4,11,12 Test pc	No.4,5 Test pc										
STK 290	-	-	-	0.050 max.	0.050 max.	290 min	-	30 min	25 min	90 °	6 D	7/8 D
STK 400	0.25 max.	-	-	0.040 max.	0.040 max.	400 min	325 min	23 min	18 min	90 °	6 D	7/8 D
STK 490	0.18 max.	0.55 max.	1.50max.	0.040 max.	0.040 max.	490 min	315 min	23 min	18 min	90 °	6 D	7/8 D
STK 500	0.30 max.	0.35 max.	0.30-1.00 max.	0.040 max.	0.040 max.	500 min	355 min	15 min	10 min	90 °	6 D	7/8 D
STK 540	0.23 max.	0.55 max.	1.50 max.	0.040 max.	0.040 max.	540 min	390 min	40 min	16 min	90 °	6 D	7/8 D

Cr-Mo Steel Tube.

Grade	Material No		C	Si	Mn	P	S	Cr	Mo
Cr-Mo Steel tubes	SCM 415 (SAE 4115)	AP	0.15-0.18	0.15-0.35	0.60-0.85	0.030 max	0.030 max	0.90-1.20	0.15-0.30
		NOAP							
	SCM 430 (SAE 4130)	AP	0.28-0.33	0.15-0.35	0.60-0.85	0.030 max	0.030 max	0.90-1.20	0.15-0.30
		NOAP							
	SCM 435 (SAE 4135)	AP	0.33-0.38	0.15-0.35	0.60-0.85	0.030 max	0.030 max	0.90-1.20	0.15-0.30
		NOAP							
	SCM 440 (SAE 4140)	AP	0.38-0.43	0.15-0.35	0.60-0.85	0.030 max	0.030 max	0.90-1.20	0.15-0.30
		NOAP							