



# METALS INTERNATIONAL LIMITED

Tel: +86-21-6090-0836/37 Fax: +86-21-6090-0838

[www.klsteel.com](http://www.klsteel.com) Email: [metalsintl@yahoo.com](mailto:metalsintl@yahoo.com)

## BOILER TUBE SPECIFICATION

Use	JIS	ASTM	BS	DIN	AB	LR	NV		
Alloy Steel Boiler & Heat Exchanger Tubes	G 3462			3059P2-243	17175-15Mo3				
		STBA12	A209-T1			ABSK		NVR7-1 A,C,D	
			A250-T1						
				A209-T1b			ABSM		
				A250-T1b					
		STBA13	A209-T1a			ABSL			
			A250-T1a						
		STBA20	A213-T2						
		STBA22	A213-T12	3059P2-620		17175-13CrMo44	ABSO	Sec.6-CM440	NVR7-2 A,C,D
		STBA 23	A213-T11						
			A199-T11				ABSN		
		STBA24	A213-T22	3059P2-629/470		17175-10CrMo910	ABSP	Sec.6-CM410	NVR7-3 A,C,D
			A199-T22	3059P2-622/490				Sec.6-CM490	
		STBA25	A213-T5						
			A199-T5						
		STBA 26	A213-T9,T91	3059P2-629/470					NVR7-4 A,C,D
A199-T9,T91	3059P2-629/490								
Carbon Steel pipe for Pressure Service	G 3454								
		STPG370	A53A	3601-360	1629-ST35	ABS 2	Sec.2-360C2,C3		
			3602P1-360	1629-ST35.4					
		STPG410	A53B	3601-410	1629-ST45	ABS 3	Sec.2-410C2,C3		
			3602P1-410	1629-ST45.4					
		3602P1-460			Sec.2-460C2,C3				
		3602P1-490Nb			Sec.2-490C2,C3				



# METALS INTERNATIONAL LIMITED

Tel: +86-21-6090-0836/37 Fax: +86-21-6090-0838

[www.klsteel.com](http://www.klsteel.com) Email: [metalsintl@yahoo.com](mailto:metalsintl@yahoo.com)

Use	JIS	ASTM	BS	DIN	AB	LR	NV	
Carbon Steel Pipe for Temperature	G 3456					Sec.2-320C1		
		STPT370	A106A	3602P1-360	17175(1)(2)ST3 5.8	ABS 4	Sec.2-360C1	
		STPT410	A106B	3602P1-410	17175(1)(2)ST4 5.8	ABS 5	Sec.2-410C1	
				3602P1-460			Sec.2-460C1	
		STPT480	A106C	3602P1-490Nb			Sec.2-490C1	
Alloy Steel Pipe	G 3458	STPA 12	A335-P1			ABS 6		
		STPA 20	A335-P2			ABS 7		
							Sec.2-CM460C1,C2,C3	
		STPA 22	A335 P12	3604-620/460		ABS 12	Sec.2-CM440C1,C2,C3	
				3604-620/440				
		STPA 23	A335 P11	3604-621		ABS 11		
		STPA 24	A 335 P22	3604-622		ABS 13	Sec.2-CM410C1,C2,C3	
		STPA 25	A 335 P5	3604-625				
		STPA 26	A335-P9,P91	3604-629/470				
3604-629/590								
	JIS	:	Japanese Industrial Standards					
	ASTM	:	American Society of Testing & Materials	ABS	:	American Bureau of Shipping		
	BS	:	British Standards	LR	:	Lloyd's Register of Shipping		
	DIN	:	Deutsche Industrie Normen	DNV	:	Det Norske Veritas		



# METALS INTERNATIONAL LIMITED

Tel: +86-21-6090-0836/37 Fax: +86-21-6090-0838

[www.klsteel.com](http://www.klsteel.com) Email: [metalsintl@yahoo.com](mailto:metalsintl@yahoo.com)

Use	JIS	ASTM	BS	DIN	AB	LR	NV	
Alloy Steel Boiler & Heat Exchanger Tubes	G 3462		3059P2-243	17175-15Mo3				
		STBA12	A209-T1			ABSK		NVR7-1 A,C,D
			A250-T1					
			A209-T1b			ABSM		
			A250-T1b					
		STBA13	A209-T1a			ABSL		
			A250-T1a					
		STBA20	A213-T2					
		STBA22	A213-T12	3059P2-620	17175-13CrMo44	ABSO	Sec.6-CM440	NVR7-2 A,C,D
		STBA 23	A213-T11					
			A199-T11			ABSN		
		STBA24	A213-T22	3059P2-629/470	17175-10CrMo910	ABSP	Sec.6-CM410	NVR7-3 A,C,D
			A199-T22	3059P2-622/490			Sec.6-CM490	
		STBA25	A213-T5					
			A199-T5					
		STBA 26	A213-T9,T91	3059P2-629/470				NVR7-4 A,C,D
A199-T9,T91	3059P2-629/490							
Carbon Steel pipe for Pressure Service	G 3454							
		STPG370	A53A	3601-360	1629-ST35	ABS 2	Sec.2-360C2,C3	
				3602P1-360	1629-ST35.4			
		STPG410	A53B	3601-410	1629-ST45	ABS 3	Sec.2-410C2,C3	
				3602P1-410	1629-ST45.4			
		3602P1-460			Sec.2-460C2,C3			
		3602P1-490Nb			Sec.2-490C2,C3			



# METALS INTERNATIONAL LIMITED

Tel: +86-21-6090-0836/37 Fax: +86-21-6090-0838

[www.klsteel.com](http://www.klsteel.com) Email: [metalsintl@yahoo.com](mailto:metalsintl@yahoo.com)

Use	JIS	ASTM	BS	DIN	AB	LR	NV	
Carbon Steel Pipe for Temperature	G 3456					Sec.2-320C1		
		STPT370	A106A	3602P1-360	17175(1)(2)ST3 5.8	ABS 4	Sec.2-360C1	
		STPT410	A106B	3602P1-410	17175(1)(2)ST4 5.8	ABS 5	Sec.2-410C1	
				3602P1-460			Sec.2-460C1	
		STPT480	A106C	3602P1-490Nb			Sec.2-490C1	
Alloy Steel Pipe	G 3458	STPA 12	A335-P1			ABS 6		
		STPA 20	A335-P2			ABS 7		
							Sec.2-CM460C1,C2,C3	
		STPA 22	A335 P12	3604-620/460 3604-620/440		ABS 12	Sec.2-CM440C1,C2,C3	
		STPA 23	A335 P11	3604-621		ABS 11		
		STPA 24	A 335 P22	3604-622		ABS 13	Sec.2-CM410C1,C2,C3 Sec.2-CM490C1,C2,C3	
		STPA 25	A 335 P5	3604-625				
		STPA 26	A335-P9,P91	3604-629/470 3604-629/590				
	JIS	:	Japanese Industrial Standards					
	ASTM	:	American Society of Testing & Materials	ABS	:	American Bureau of Shipping		
	BS	:	British Standards	LR	:	Lloyd's Register of Shipping		
	DIN	:	Deutsche Industries Norman	DNV	:	Det Norske Veritas		