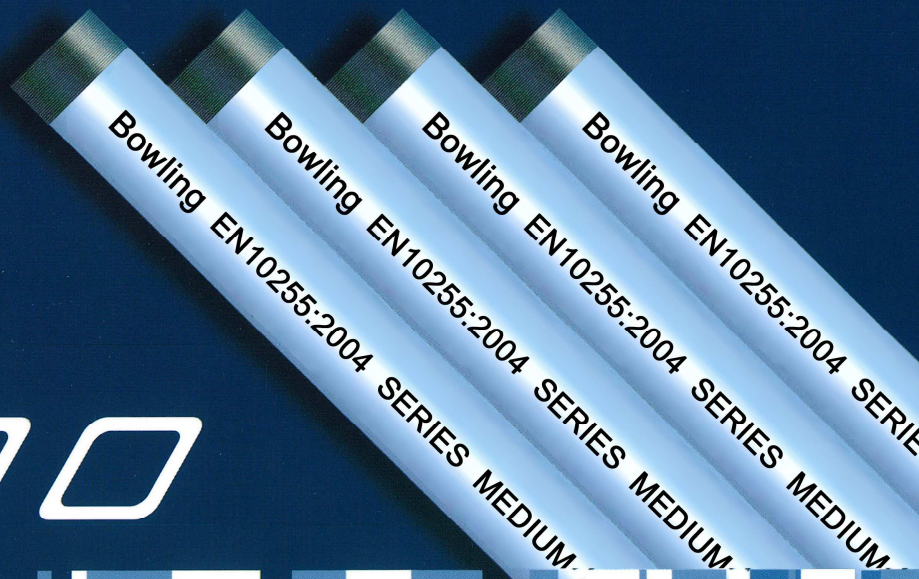
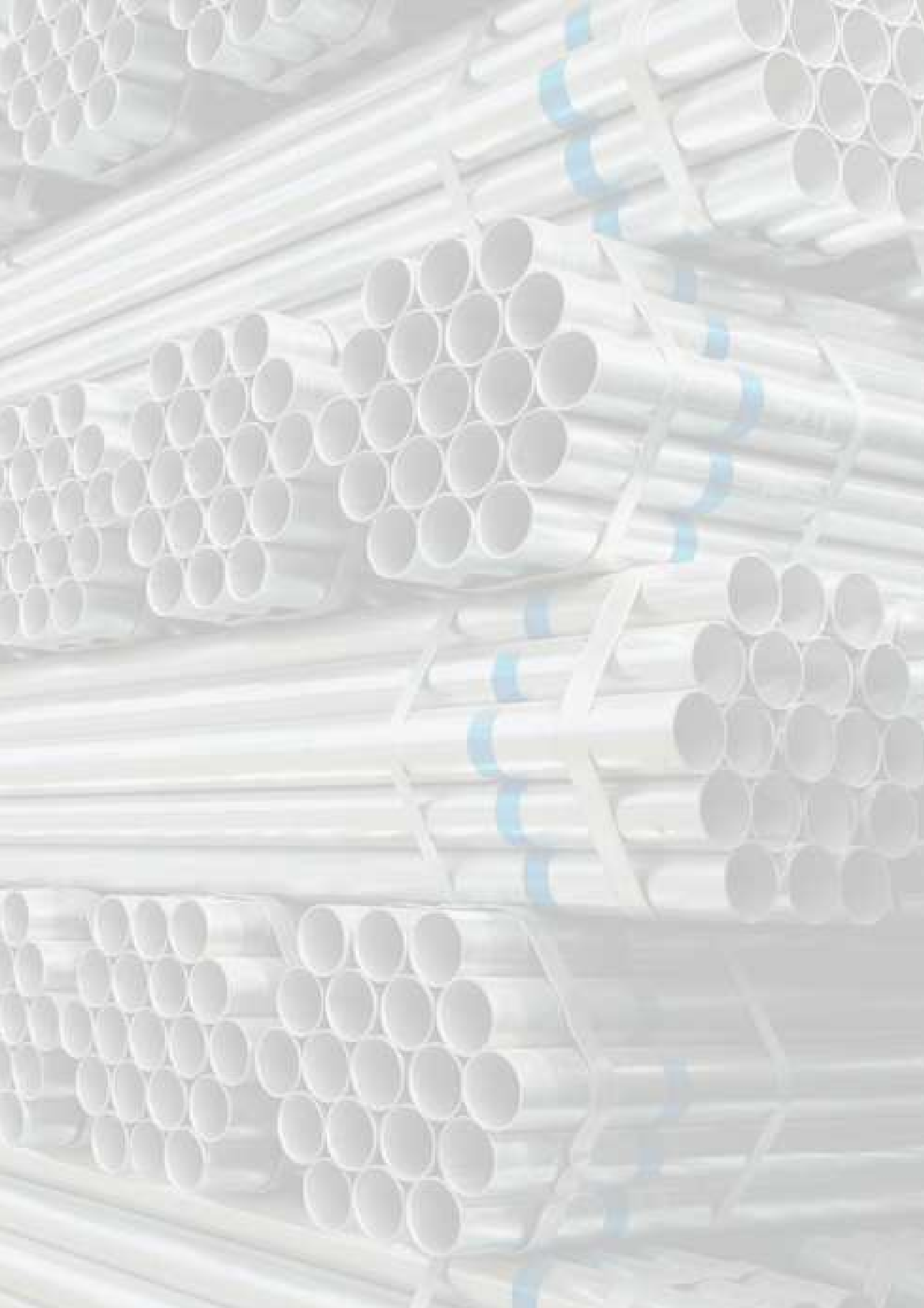
Bowling

STEEL PIPE TO EN10255 AND EN10217-1





Bowling

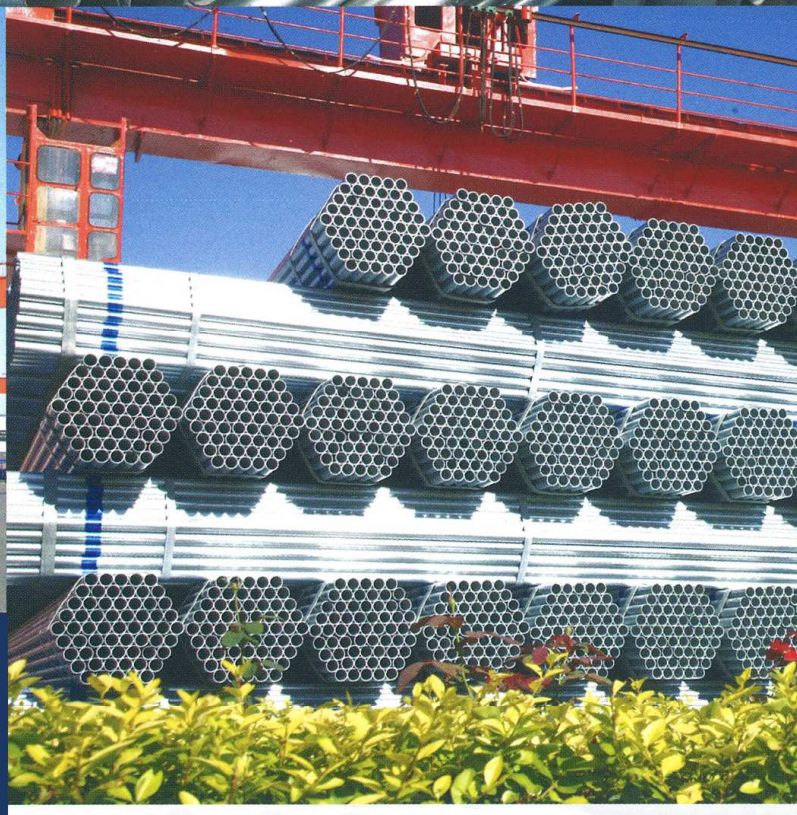
Steel Pipe

QUALITY INSPECTION

The on-line hydraulic testing machine with the maximum testing pressure of 7.5Mpa provides each finished pipe with a testing pressure of 5.0Mpa to meet requirement of the European Standard. A series of testing facilities, such as hydrostatic testing machine, Real-time X-ray imaging system, magnetic detectors device and so on are utilized for the inspection of raw materials and products. Advanced 5-elements laboratory unit is used for chemical analysis. The high-qualified staffs assure the accuracy and the precision of various inspections. All the above measures largely ensure the production process and thus the quality of products.

PRODUCTS

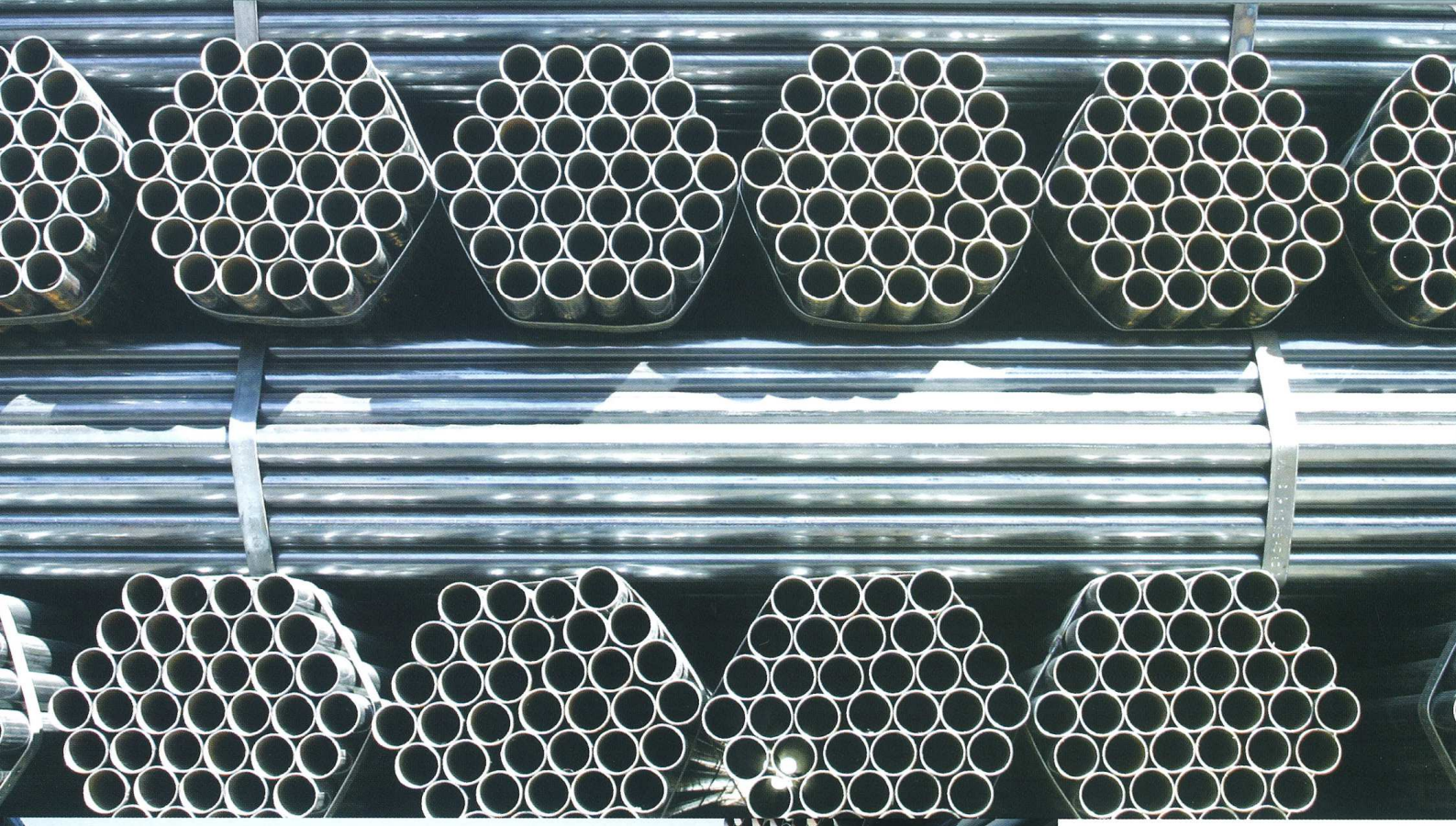
State European Standard EN10255 and EN10217-1 are strictly followed. By applying the advanced high frequency welding technique, the sophisticated devices of quality control and testing & experimental measures, and ISO9001 Quality Assurance system in our factory, it has made all the hot-dip galvanized pipes possess reliable welding seams, high accuracy of geometric shape and mechanical property (tensile strength, extension, bending, flattening test), all in compliance with the specifications of standard.

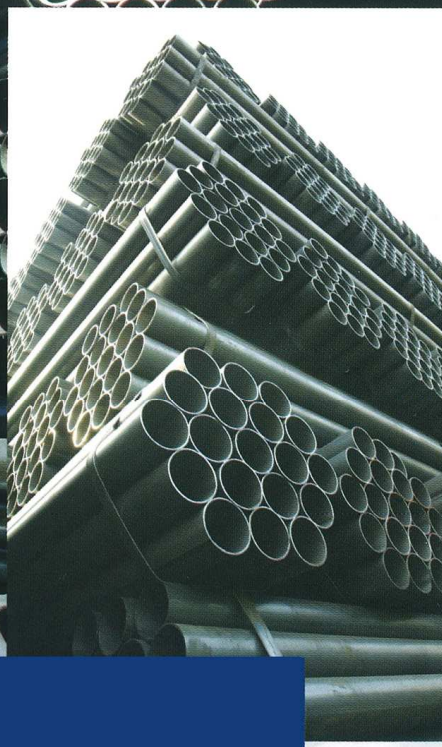


ERW hot-dipped galvanized steel pipe

Size : DN15-200mm round pipe;
galvanized spiral pipe with DN15-200mm

Usage : used for delivery of low pressure Liquid such as water, gas, air, steam for heating and for machine structural purposes





ERW steel pipe

Size : DN15-2000mm round pipe

Usage : widely used in low pressure liquid delivery such as water, gas, air, oil, steam and for machine structural purposes

EN 10255

Galvanize Iron & Black Steel Pipe

Dimension Table

Nominal Size (DN)		Outside Diameter (OD)		M Medium Series			H Heavy Series		
				Wall Thickness	Weight		Wall Thickness	Weight	
					Plain End	Threaded and socketed		Plain End	Threaded and socketed
(in.)	(mm)	max. (mm)	min. (mm)	(mm)	(kg/m)	(kg/m)	(mm)	(kg/m)	(kg/m)
1/4	8	14	13.2	2.3	0.641	0.645	2.9	0.765	0.769
3/8	10	17.5	16.7	2.3	0.839	0.845	2.9	1.02	1.03
1/2	15	21.8	21	2.6	1.21	1.22	3.2	1.44	1.45
3/4	20	27.3	26.5	2.6	1.56	1.57	3.2	1.87	1.88
1	25	34.2	33.3	3.2	2.41	2.43	4	2.93	2.95
1 1/4	32	42.9	42	3.2	3.1	3.13	4	3.79	3.82
1 1/2	40	48.8	47.9	3.2	3.56	3.6	4	4.37	4.41
2	50	60.8	59.7	3.6	5.03	5.1	4.5	6.19	6.26
2 1/2	65	76.6	75.3	3.6	6.42	6.54	4.5	7.93	8.05
3	80	89.5	88	4	8.36	8.53	5	10.3	10.5
4	100	115	113.1	4.5	12.2	12.5	5.4	14.5	14.8
5	125	140.8	138.5	5	16.6	17.1	5.4	17.9	18.4
6	150	166.5	163.9	5	19.8	20.4	5.4	21.3	21.9

Body Marking

Series : MEDIUM or HEAVY

Bowling EN10255:2004 SERIES MEDIUM W *(DN)*MM X 6M

Color Coding band : Medium Series – Blue / Heavy Series – Red

EN 10217-1

Steel Pipe

Available Size (Dimension in mm)

Nominal Size (DN)	Outside Diameter (OD)	2.0	2.3	2.6	2.9	3.2	3.6	4.0	4.5	5.0	5.4	5.6	5.9	6.3	7.1	8.0	8.8	10.0	11.0	12.5	14.2	16.0	17.5	20.0	22.2	25.0
50	60.3	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■						
65	76.1	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■				
80	88.9		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		
100	114.3		■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
125	139.7					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
150	168.3					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
200	219.1					■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
250	273.0							■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
300	323.9								■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
350	355.6									■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
400	406.4									■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■
450	457.0									■	■	■	■	■	■	■	■	■	■	■	■	■	■			
500	508.0									■	■	■	■	■	■	■	■	■	■	■	■	■	■			
550	559.0													■	■	■	■	■	■	■	■	■				
600	610.0													■	■	■	■	■	■	■	■	■	■			
650	660.0													■	■	■	■	■	■	■	■	■	■			
700	711.0													■	■	■	■	■	■	■	■	■	■			
750	762.0													■	■	■	■	■	■	■	■	■	■			
800	813.0													■	■	■	■	■	■	■	■	■	■	■		
850	864.0													■	■	■	■	■	■	■	■	■	■	■		
900	914.0													■	■	■	■	■	■	■	■	■	■	■		
1000	1016.0													■	■	■	■	■	■	■	■	■	■	■	■	
1200	1220.0													■	■	■	■	■	■	■	■	■	■	■	■	■
1400	1420.0													■	■	■	■	■	■	■	■	■	■	■	■	■
1600	1620.0														■	■	■	■	■	■	■	■	■	■	■	■
1800	1820.0															■	■	■	■	■	■	■	■	■	■	■
2000	2020.0																■	■	■	■	■	■	■	■	■	■

Body Marking

Steel name

Bowling EW EN10217-1:2002 P265 TR1 C2 *(DN)*MM X *(thk.)*MM X 6M

PROPERTIES

EN10255

Chemical composition (cast analysis) and mechanical properties

Chemical composition %				Mechanical properties		
C max.	Mn max.	P max.	S max.	Upper yield strength R_{eH} min. (Mpa)	Tensile strength R_m (Mpa)	Elongation A min. %
0.20	1.40	0.035	0.030	195	320 - 520	20

EN10217-1

Chemical composition (cast analysis), in % by mass

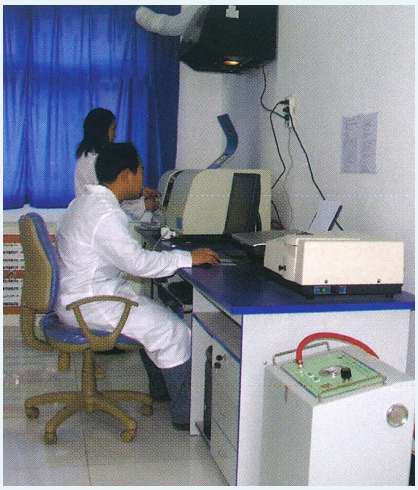
Steel grades		C max.	Si max.	Mn max.	P max.	S max.	Cr max.	Mo max.	Ni max.	Al max.	Cu max.	Nb max.	Ti max.	V max.	Cr+Cu+Mo+Ni max.
Steel name	Steel number														
P195TR1	1.0107	0.13	0.35	0.70	0.025	0.02	0.30	0.08	0.30	-	0.30	0.01	0.04	0.02	0.70
P195TR2	1.0108	0.13	0.35	0.70	0.025	0.02	0.30	0.08	0.30	0.02	0.30	0.01	0.04	0.02	0.70
P235TR1	1.0254	0.16	0.35	1.20	0.025	0.02	0.30	0.08	0.30	-	0.30	0.01	0.04	0.02	0.70
P235TR2	1.0255	0.16	0.35	1.20	0.025	0.02	0.30	0.08	0.30	0.02	0.30	0.01	0.04	0.02	0.70
P265TR1	1.0258	0.20	0.40	1.40	0.025	0.02	0.30	0.08	0.30	-	0.30	0.01	0.04	0.02	0.70
P265TR2	1.0259	0.20	0.40	1.40	0.025	0.02	0.30	0.08	0.30	0.02	0.30	0.01	0.04	0.02	0.70

Mechanical properties

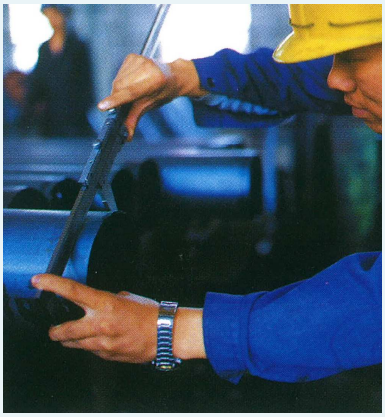
Steel grades		Tensile properties				
Steel name	Steel number	Upper yield strength R_{eH} min. for T mm (Mpa)		Tensile Strength R_m (Mpa)	Elongation A min. %	
		$T \leq 16$	$16 < T \leq 40$		l	t
P195TR1	1.0107	195	185	320-440	27	25
P195TR2	1.0108	195	185	320-440	27	25
P235TR1	1.0254	235	225	360-500	25	23
P235TR2	1.0255	235	225	360-500	25	23
P265TR1	1.0258	265	255	410-570	21	19
P265TR2	1.0259	265	255	410-570	21	19

QUALITY ORIENTED

High-level professional research, professional production and professional inspection are reliable guarantee for high-quality brand. “Quality molds brand, quality determines fate”. Our quality management strictly carries out ISO9001:2000 standard and all belonging enterprises have passed this certification. We adopt advanced production techniques and equipment. With advanced testing equipment and professional quality inspector, we make entire inspection from material to the middle product and to the final product. We carry out normative, scientific and strict quality inner control system and management system to guarantee final product without defect. Our technological development and quality test center has got authorization by National Laboratory. It equips with high level testing instruments like gauge, mechanics, physical chemistry and metallographic phase. It all-round controls the production process and effectively guarantee the quality and performance. We carry out the quality tailing and resolving system on the after sale service to make customer feel secure to use. Our high quality has approved by the market.



TESTING EQUIPMENT



Testing equipment list

Off-line Testing

Infrared carbon and sulfur analyzer

Screen displaying universal material testing machine

Sewage chemical oxygen demand test analyzer

Atomic absorption spectrophotometer

Automatic ultrasonic flaw detector

Hydrostatic testing machine

Real-time X-ray imaging system

Magnetic detectors

Thickness measuring instrument

Online Testing

X-ray Inspection TV detection

Hydraulic test

Offline ultrasonic flaw detection

Plasma cutting

Since 1949

BUN KEE (INT'L) LIMITED
彬記(國際)有限公司

Head Office
12/F., Phase 1, Austin Tower, 22-26A Austin Avenue, Tsim Sha Tsui, Kowloon, Hong Kong
Tel : (852) 2728 7237
Fax : (852) 2387 2999
E-mail : info@bunkee.com

Warehouse
Sections M and N of Lot no. 3719 in DD104, Yuen Long, New Territories
Tel : (852) 2471 9048
Fax : (852) 2482 1298

Retail Shops
Mongkok
G/F., No. 687 Shanghai Street, Mongkok, Kowloon
Tel : (852) 2395 0181
Fax : (852) 2787 3421

Tsuen Wan
G/F., No. 18 Tak Wah Street, Tak Fam Building, Tsuen Wan, New Territories, Hong Kong
Tel : (852) 2473 3660
Fax : (852) 2442 2766

Wanchai
G/F., No. 102 Thomson Road, Wanchai, Hong Kong
Tel : (852) 2866 6001
Fax : (852) 2866 6339

Macau
Rua Da Ribeira Do Patane No 13, Macau
Tel : (853) 2855 3693
Fax : (853) 2895 1020

www.bunkee.com