

**LITONGLIAN
INTERNATIONAL GROUP**

CARBON SEEL SEAMLESS PIPE
CARBON STEEL WELDED PIPE
PIPE FITTING



LITONGLIAN INTERNATIONAL



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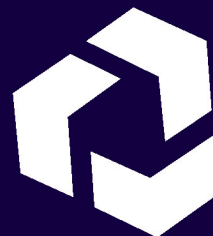
COMPANY PROFILE

LITONGLIAN

INTERNATIONAL GROUP

LITONGLIAN INTERNATIONAL GROUP

CARBON SEEL SEAMLESS PIPE
CARBON STEEL WELDED PIPE
PIPE FITTING



LITONGLIAN INTERNATIONAL

A customer focused, innovation and solutions driven company, Li Tonglian International Group. We have pleasure to introduce our self as a leading Chinese manufacturer of Carbon Steel Real Seamless Pipes and Carbon Steel Welded Pipes. We are regularly supplying these pipes to many Thermal Power Plants, Chemical & Pharmaceuticals Industry, Offshore Facility, Gas & Oil Pipelines, Nuclear Power Plants, Paper Sugar & Cement factories, Petrochemicals, Fertilizers, Gas Pipelines, Engineering fields and various other industries.

A dynamic team of professionally qualified engineers, Li Tonglian International Group with the objective to cater to the needs of different industries with a one stop pipe and tubing solution.

Li Tonglian International Group, is located in Cangzhou City, hometown of pipeline equipment in China. 200 Kilometers away from the Beijing [capital city of The China], 120 Kilometers away from Tianjin Port [a major port in North China], multi railway and highway run through Cangzhou City, a place with very convenient traffic .

Li Tonglian International Group has started With a strong commitment to quality, customer satisfaction & integrity, designing and manufacturing Hot Rolled Seamless Steel Pipes in 2003, annual production capacity is 250,000Tons. Outside Diameter Range of pipes is from 21.3 ~ 711.3mm and Wall Thickness Range is from 2mm ~ 59.54mm.

With Accu-Rolled seamless steel pipe production line, major manufacturing process includes Taper Boring, Accu-Rolling and Three Roll Mini Tension Reducing process. The above process assures exactly sizing also keeps high quality on internal and external surfaces . Equipped with online ultrasonic detection system, eddy current detection system, magnetic leakage detection system with Temperature Control System from Germany. And imported online Ultrasonic Detection System from England with multi-detecting capacity and covering the whole wall thickness testing for the pipe.

Equipped with advanced manufacturing process, complete test and inspection system, strictly process control system has assured stable and high quality pipes being produced in our workshop .

The pipes being designed and manufactured by our company have received API 5L, API 5CT monogram certificates, ISO 9001 Quality Assurance Certificate, OHSAS 18001 Occupational Safety and Health Administration Certificate, ISO 14001 Environment Management Certificates etc.

Our whole company sincerely expect to build long-term mutual flourishing future with customers both from domestic and abroad markets .

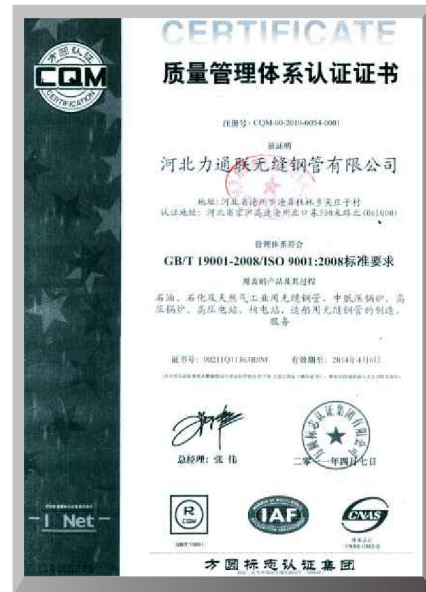


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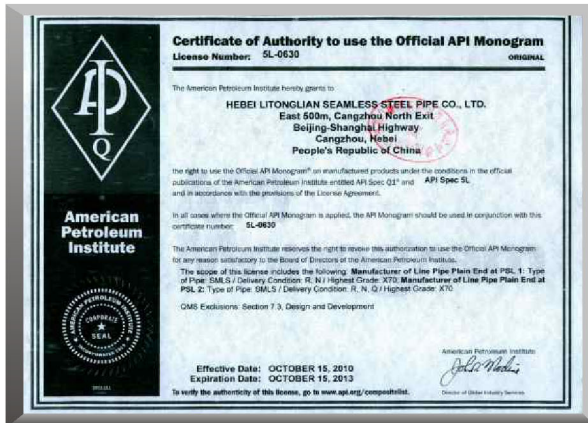
CERTIFICATES

LITONGLIAN
INTERNATIONAL GROUP

ISO1



ISO2



API 5L



ORGANIZATION CODE CERTIFICATE



TAX REGISTRATION CERTIFICATE



BUSINESS LICENCE



LITONGLIAN INTERNATIONAL

PRODUCTION EQUIPMENT

LITONGLIAN
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SEAMLESS PIPE PRODUCTION LINE

A dynamic team of professionally qualified engineers, Li Tonglian International Group with the objective to cater to the needs of different industries with a one stop pipe and tubing solution.





Seamless Steel Pipe uses accurate hot-rolled production process, combines the procedure with conical extruding, accurate rolling, three-high slight stretch drifting, with the advantage of high precision, suitable for multi steel grade, and flexible arrangement of production, etc..





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PRODUCTION EQUIPMENT

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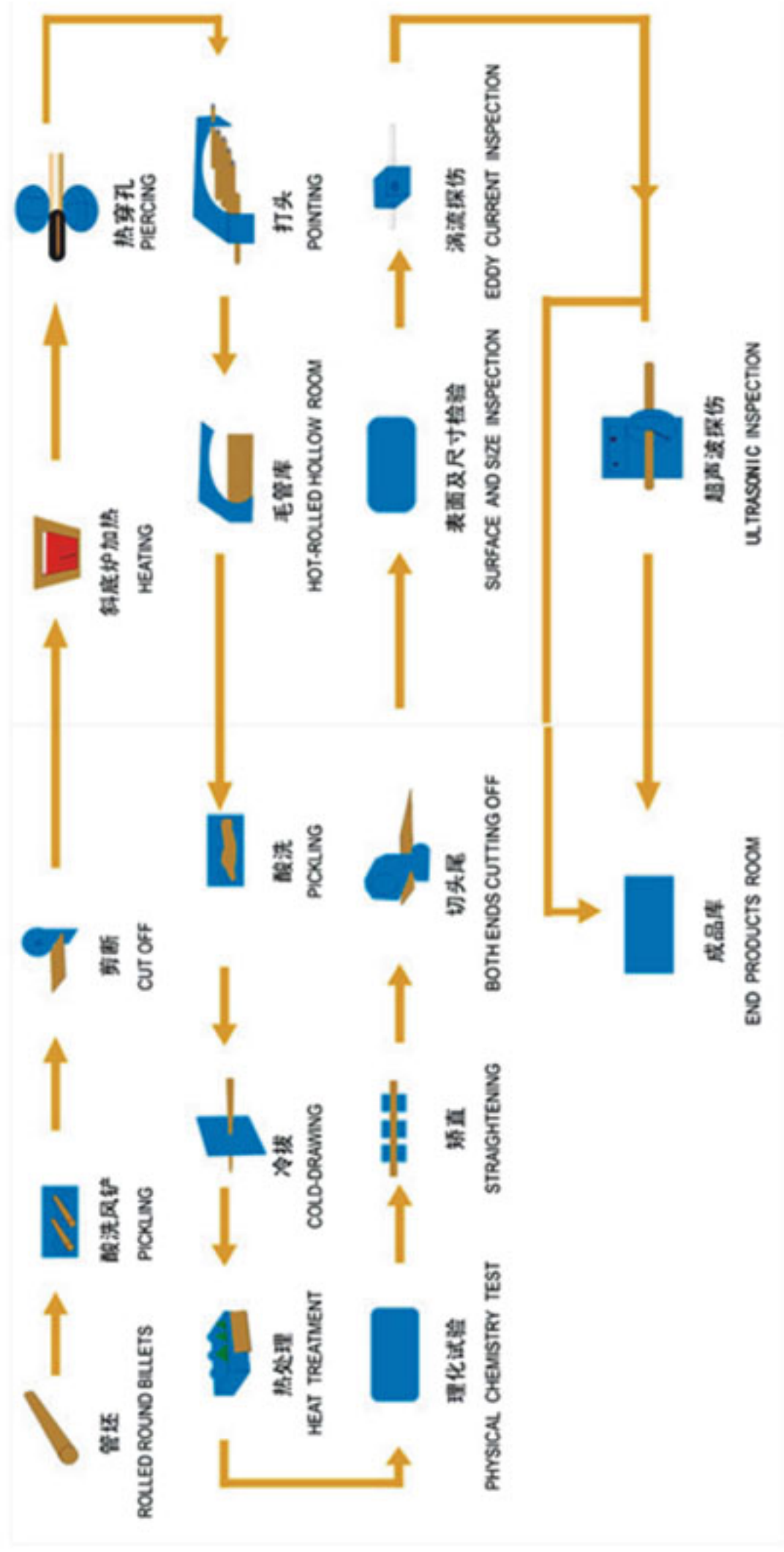
WELDED PIPE PRODUCTION LINE

Advanced production technology, perfect testing equipment, and strict process control ensured our quality's reliability and stability. We always pursue and fulfill the management principle of "Credibility orients firstly and quality is the basics."





COLD-DRAWING SEAMLESS STEEL PIPE TECHNOLOGICAL PROCESS



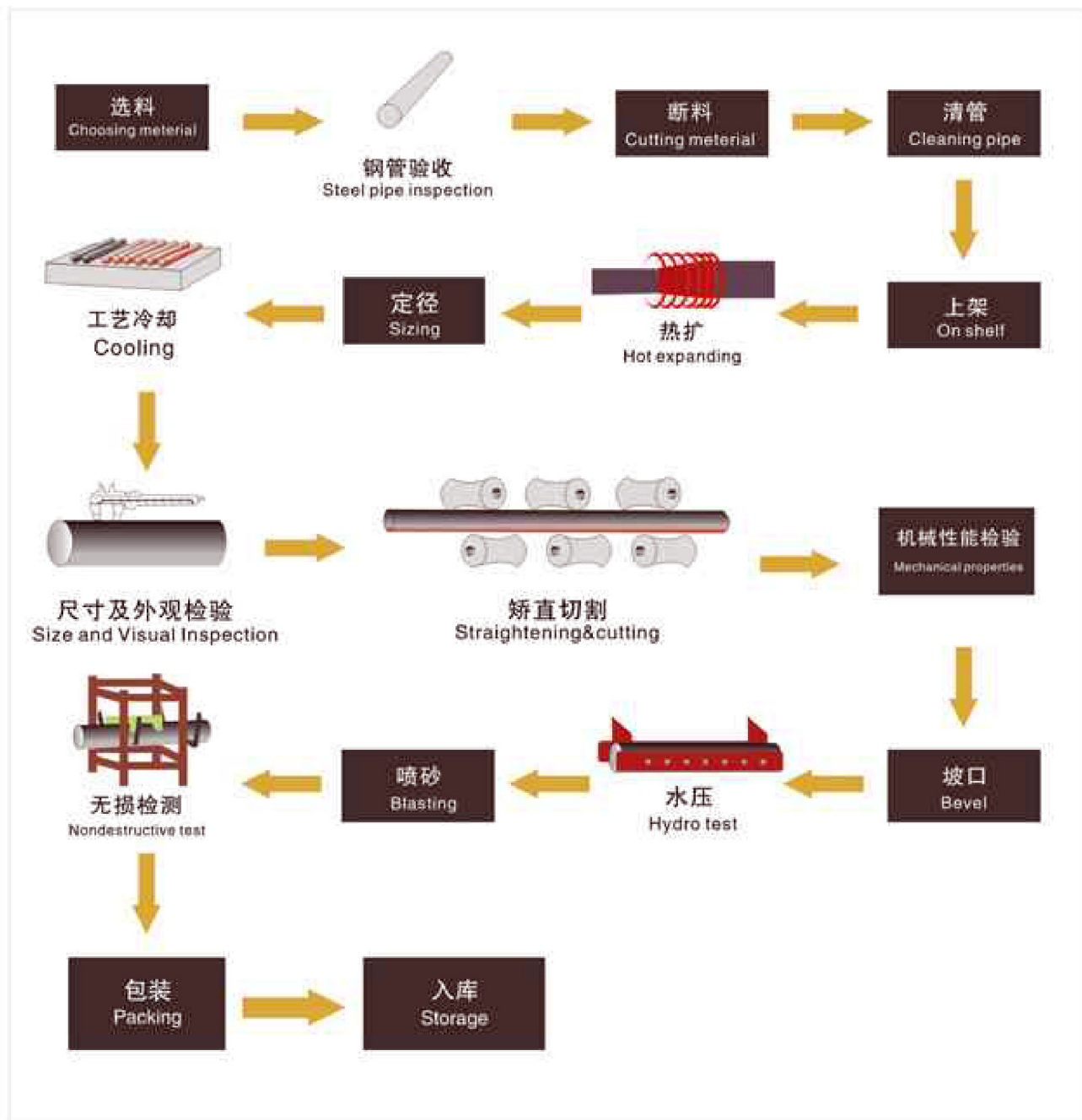


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STEEL PIPE PRODUCTION PROCESS

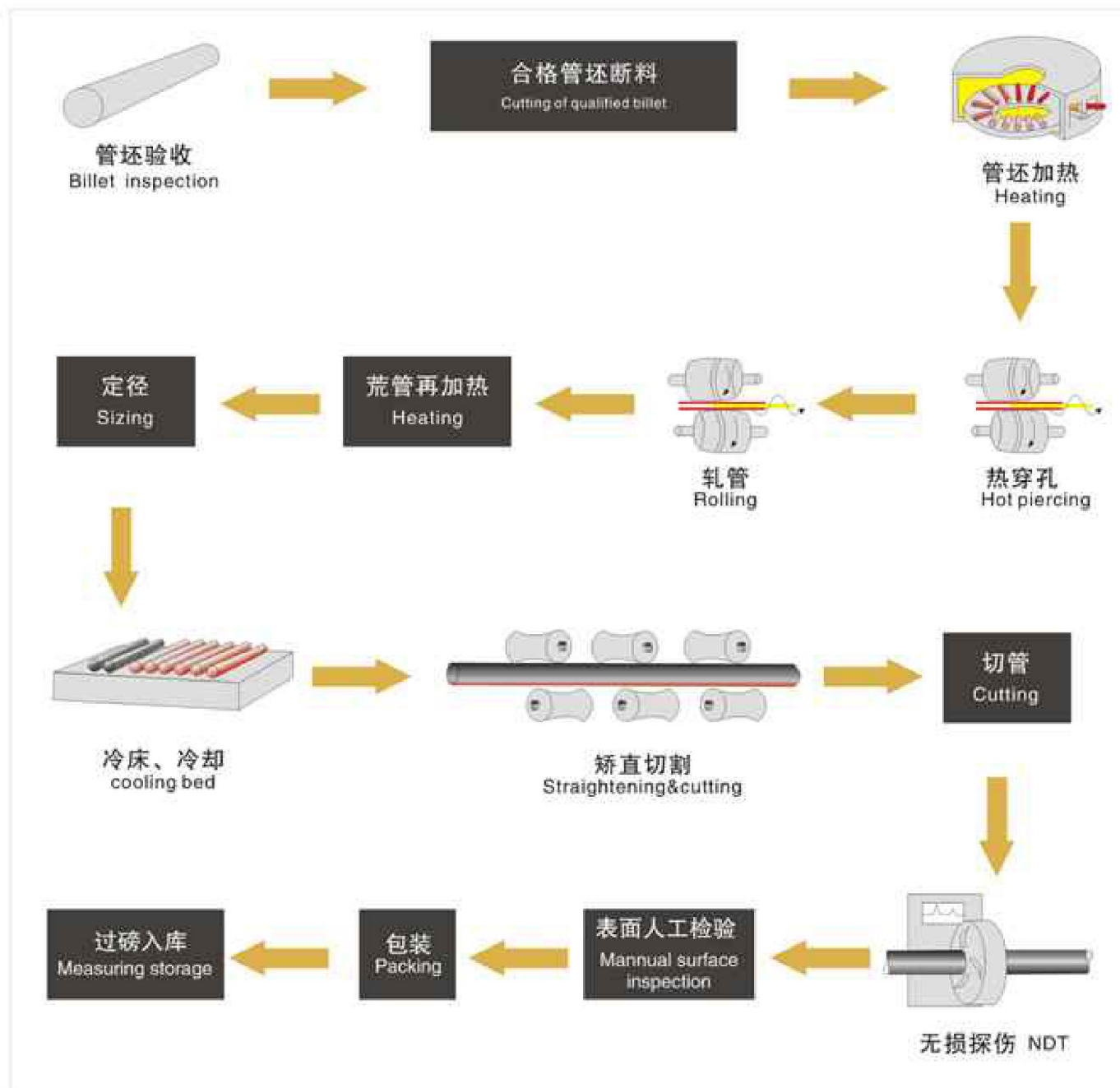
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HOT EXPANDING SEAMLESS STEEL PIPE TECHNOLOGICAL PROCESS





热轧无缝钢管工艺流程 / HOT ROLLED SEAMLESS STEEL PIPE TECHNOLOGICAL PROCESS

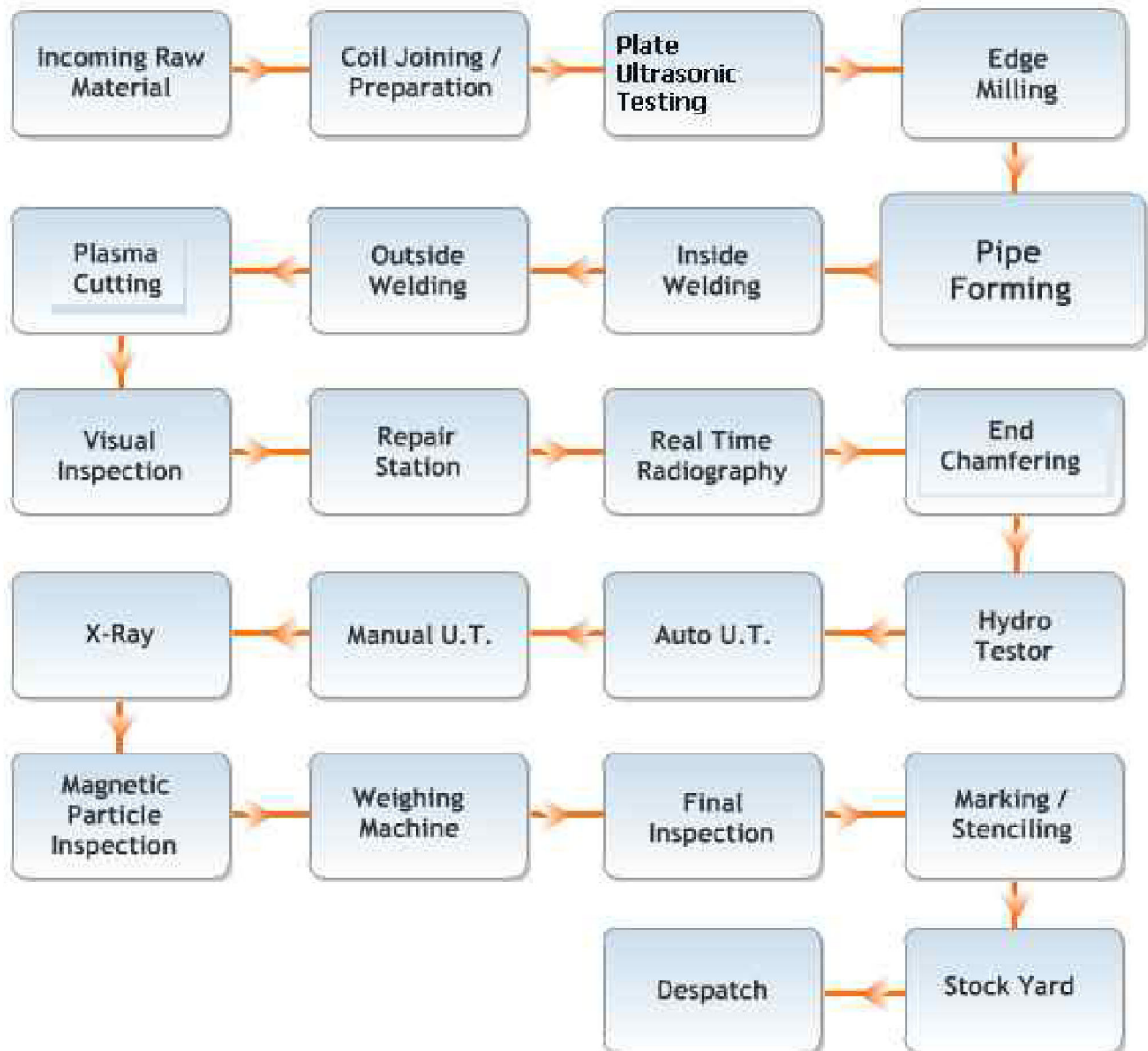




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SAW STEEL PIPE PRODUCTION PROCESS

Manufacturing Process





CHEMICAL COMPOSITION TEST



XRAY



HARDNESS TEST



RAW MATERIAL TEST



HEAT TREATMENT RESISTANCE FURNACE



TENSILE TEST



HYDRAULIC PRESSURE TEST



IMPACT TEST



IMPACT TEST



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PRODUCTS SHOW

LITONGLIAN
INTERNATIONAL GROUP

DIFFERENT KINDS OF STEEL PIPES

A dynamic team of professionally qualified engineers, Li Tonglian International Group with the objective to cater to the needs of different industries with a one stop pipe and tubing solution. A dynamic team of professionally qualified engineers, Li Tonglian International Group with the objective to cater to the needs of different industries with a one stop pipe and tubing solution.









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ASME THICKNESS SHEET

LITONGLIAN

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N.D	ASME INCH	O.D MM	SCH10	SCH20	SCH30	STD	SCH40	SCH60	XS	SCH80	SCH100	SCH120	SCH140	SCH160	XXS
5	1/4"	13.7				2.24	2.24		3.02	3.02					
10	3/8"	17.1				2.31	2.31		3.20	3.20					
15	1/2"	21.3	2.11		2.41	2.77	2.77		3.73	3.73				4.78	7.47
20	3/4"	26.7	2.11		2.41	2.87	2.87		3.91	3.91				5.56	7.82
25	1"	33.4	2.77		2.90	3.38	3.38		4.55	4.55				6.35	9.09
32	1 1/4"	42.2	2.77		2.97	3.56	3.56		4.85	4.85				6.35	9.70
40	1 1/2"	48.3	2.77		3.17	3.68	3.68		5.08	5.08				7.14	10.16
50	2"	60.3	2.77		3.17	3.91	3.91		5.54	5.54				8.74	11.07
65	2 1/2"	73	3.05		4.78	5.16	5.16		7.01	7.01				9.52	13.26
80	3"	88.9	3.05		4.78	5.49	5.49		7.62	7.62				11.13	15.24
90	3 1/2"	101.6	3.05		4.78	5.74	5.74		8.08	8.08					
100	4"	114.3	3.05		4.78	6.02	6.02		8.56	8.56		11.13		13.49	17.12
125	5"	141.3	3.40			6.55	6.55		9.52	9.52		12.70		15.87	19.05
150	6"	168.3	3.40			7.11	7.11		10.97	10.97		15.09		18.26	21.95
200	8"	219.1	3.76	6.35	7.04	8.18	8.18	10.31	12.70	12.70	15.09	18.26	20.62	23.01	22.22
250	10"	273	4.19	6.35	7.80	9.27	9.27	12.70	12.70	15.09	18.26	21.44	25.40	28.57	25.40
300	12"	323.8	4.57	6.35	8.38	9.52	10.31	14.27	12.70	17.48	21.44	25.40	28.57	33.32	25.40
350	14"	355.8	6.35	7.92	9.52	9.52	11.13	15.09	12.70	19.05	23.83	27.79	31.75	35.71	
400	16"	406.4	6.35	7.92	9.52	9.52	12.70	16.66	12.70	21.44	26.19	30.96	36.53	40.49	
450	18"	457.2	6.35	7.92	11.13	9.52	14.27	19.05	12.70	23.83	29.36	34.92	39.67	45.24	
500	20"	508	6.35	9.52	12.70	9.52	15.09	20.62	12.70	26.19	32.54	38.10	44.45	50.01	
550	22"	558.8	6.35	9.52	12.70	9.52	15.88	22.22	12.70	28.57	34.92	41.27	47.62	53.97	
600	24"	609.6	6.35	9.52	14.27	9.52	17.48	24.61	12.70	30.96	38.89	46.02	52.37	59.54	
650	26"	660.4	7.92	12.70		9.52			12.70						
700	28"	711.2	7.92	12.70	15.87	9.52			12.70						
750	30"	762	7.92	12.70	15.87	9.52			12.70						
800	32"	812.8	7.92	12.70	15.87	9.52	17.48		12.70						
850	34"	863.6	7.92	12.70	15.87	9.52	17.48		12.70						
900	36"	914.4	7.92	12.70	15.87	9.52	19.05		12.70						
950	38"	965.2				9.52			12.70						
1000	40"	1016				9.52			12.70						
1050	42"	1066.8				9.52			12.70						
1100	44"	1117.6				9.52			12.70						
1150	46"	1168.4				9.52			12.70						
1200	48"	1219.2				9.52			12.70						



STANDARD	MATERIAL	TEMPERA TURE	THICKNESS	CHEMICAL COMPOSITION%								OTHERS %	TENSILE STRENGTH	YIELD POINT	ELONGATION
		°C	mm	C≤	Mn≤	Si≤	S≤	P≤	Cr≤	Ni≤	Mo≤		Mpa	Mpa	≥%
CARBON STEEL AND LOW ALLOY STEEL PIPE FOR CONNECTION															
GB8163	10	475	≤10	0.07-0.14	0.35-0.65	0.17-0.37	0.035	0.035	0.15	0.25		Cu≤ 0.25	335	205	24
	20	475	≤10	0.17-0.24	0.35-0.65	0.17-0.37	0.035	0.035	0.15	0.25		Cu≤ 0.25	390	245	20
GB6479	10	475	≤16	0.07-0.14	0.35-0.65	0.17-0.37	0.040	0.035					335	205	24
	20G	475	≤16	0.17-0.24	0.35-0.65	0.17-0.37	0.035	0.035					410	245	24
GB9948	10	475	≤16	0.07-0.14	0.35-0.65	0.17-0.37	0.035	0.035	0.15	0.25			335	205	24
	20	475	≤16	0.17-0.24	0.35-0.65	0.17-0.37	0.035	0.035	0.25	0.25			410	245	21
GB6479	16Mn	475	≤16	0.12-0.2	1.20-1.60	0.20-0.6	0.040	0.040					490	320	21
GB6479	16Mn	475	>16~40	0.12-0.2	1.20-1.60	0.20-0.6	0.040	0.040					490	310	21
ASME	SA106-A	538	≤65	≤0.25	0.27-0.93	0.10	0.035	0.035	0.40	0.40	0.15	Cu≤ 0.40	330	205	25
	SA106-B	538	≤65	≤0.30	0.29-1.06	0.10	0.035	0.035	0.40	0.40	0.15	Cu≤ 0.40	415	240	16.5
ASME	SA53-A	482	≤65	≤0.25	≤0.95		0.045	0.050	0.40	0.40	0.15	Cu≤ 0.40	330	205	
	SA53-B	482	≤65	≤0.30	≤1.20		0.045	0.050	0.40	0.40	0.15	Cu≤ 0.40	415	240	
ASME	SA524-II	538	>9.5~64	≤0.21	0.90-1.35	0.10-0.40	0.035	0.035					380	205	25
	SA524-I	538	≤9.5	≤0.21	0.90-1.35	0.10-0.40	0.035	0.035					414	240	16.5
CARBON STEEL PIPE FOR HOT EXCHANGE															
GB8163	10	475	≤10	0.07-0.14	0.35-0.65	0.17-0.37	0.035	0.035	0.15	0.25		Cu≤ 0.25	335	205	24
	20	475	≤10	0.17-0.24	0.35-0.65	0.17-0.37	0.035	0.035	0.15	0.25		Cu≤ 0.25	390	245	20
ASME	SA179	482	0.4~5.5	0.06-0.18	0.27-0.63		0.035	0.035					325	180	35
ASME	SA556-A2	538	1.1~3.6	0.18	0.27-0.63		0.035	0.035					320	180	35
ASME	SA556-B2	538	1.1~3.6	0.27	0.29-0.93	0.10	0.035	0.035					410	260	30
ASME	SA210-A-1	538	0.9~12.7	0.27	0.93	0.10	0.035	0.035					415	255	30
	0.5Mo														
GB6479	12CrMo	525	≤16	0.08-0.15	0.40-0.70	0.17-0.37	0.040	0.035	0.40-0.70		0.40-0.55		410	205	21
		525	>16~40	0.08-0.15	0.40-0.70	0.17-0.37	0.040	0.035	0.40-0.70		0.40-0.55		410	195	21
GB9948(tube)	12CrMo	525	≤16	0.08-0.15	0.40-0.70	0.17-0.37	0.035	0.035	0.40-0.70	0.30	0.40-0.55		410	205	21
	SA335-P2	538	≤64	0.10-0.20	0.30-0.61	0.10-0.30	0.025	0.025	0.50-0.81		0.44-0.65		380	205	20
ASME	SA369-FP2	538	≤64	0.10-0.20	0.30-0.61	0.10-0.30	0.025	0.025	0.50-0.81		0.44-0.65		380	210	20
ASME(tube)	SA213-T2	538	0.4~12.7	0.10-0.20	0.30-0.61	0.10-0.30	0.025	0.025	0.50-0.81		0.44-0.65		415	205	30
PIPES FOR LOW TEMPERATURE															
GB6479	20G	-20	≤16	0.17-0.24	0.35-0.65	0.17-0.37	0.035	0.035					410	245	24
GB6479	10	-30	≤16	0.07-0.14	0.35-0.65	0.17-0.37	0.040	0.035					335	205	24
GB6479	16Mn	-40	6~16	0.12-0.20	1.20-1.60	0.20-0.60	0.040	0.040					490	320	21
GB6479	16Mn	-40	>16~40	0.12-0.20	1.20-1.60	0.20-0.60	0.040	0.040					490	310	21
	09MnD	-50	≤16	0.12	0.95-1.35	0.17-0.35	0.025	0.025				V:≤0.03	400	240	26
ASME	SA333-1	-45	≤64	0.30	0.40-1.06		0.025	0.025					380	205	25
	SA333-7	-75	≤64	0.19	0.9	0.13-0.32	0.025	0.025		2.03-2.57			450	240	22
ASME	SA333-3	-100	≤64	0.19	0.31-0.64	0.18-0.37	0.025	0.025		3.18-3.82			450	240	20
ASME	SA334-1	-45	≤64	0.30	0.40-1.06		0.025	0.025					380	205	35
	SA334-7	-75	≤64	0.19	0.90	0.13-0.32	0.025	0.025		2.03-2.57			450	240	30
	SA334-3	-100	≤64	0.19	0.31-0.64	0.18-0.37	0.025	0.025		3.18-3.82			450	240	30



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API 5L SPECIFICATION

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SIZE TOLERANCE						
STANDARD	OUT DIAMETER TOLERANCE		THICKNESS TOLERANCE			
			A25.A.B		X42–X70	
	D<60.3	+0.41/–0.40mm	D<73	+20/–12.5%	D≥73	+15/–12.5%
API SPEC 5L	D≥60.3	+0.75/–0.40mm	D≥73	+15/–12.5%	D>73	+15/–12.5%
MECHANICAL PROPERTIES						
STANDARD	STEEL GRADE	YIELD STRENGTH (Mpa)		TENSILE STRENGTH (Mpa)		
API SPEC 5L	PSL1					
	A25	172		310		
	A	207		331		
	B	241		414		
	X42	290		414		
	X46	317		434		
	X52	359		455		
	X56	386		490		
	X60	414		517		
	X65	448		531		
	X70	483		565		
API SPEC 5L	PSL2					
		Min	Max	Min	Max	
	B	241	448	414	758	
	X42	290	496	414	758	
	X46	317	524	434	758	
	X52	359	531	455	758	
	X56	386	544	490	758	
	X60	414	565	517	758	
	X65	448	600	531	758	
	X70	483	621	565	758	
	X80	552	690	621	827	
CHEMICAL COMPOSITION						
STANDARD	STEEL GRADE	C	Mn	P		S
		Max	Max	Min	Max	Max
API SPEC 5L	PSL1					
	A25II	0.21	0.60		0.030	0.030
	A25III	0.21	0.60	0.45	0.80	0.030
	A	0.22	0.90		0.030	0.030
	B	0.28	1.20		0.030	0.030
	X42	0.28	1.30		0.030	0.030
	X46.X52.X56	0.28	1.40		0.030	0.030
	X60.X65.X70	0.28	1.40		0.030	0.030
	PSL2					
	B	0.24	1.20		0.025	0.015
	X42	0.24	1.30		0.025	0.015
	X46.X52.X56	0.24	1.40		0.025	0.015
	X60.X65.X70.X80	0.24	1.40		0.025	0.015





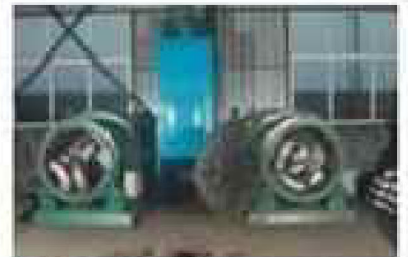
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FITTINGS PRODUCTION EQUIPMENT

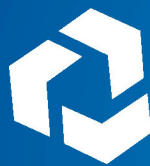
INTERNATIONAL GROUP



□ Annealing furnace / 退火炉



□ Polishing machine / 抛光清理机



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CARBON SEEL SEAMLESS PIPE
CARBON STEEL WELDED PIPE
PIPE FITTING



Intermediate-frequency band machine / 中频弯管机



Slapping machine / 坡口机

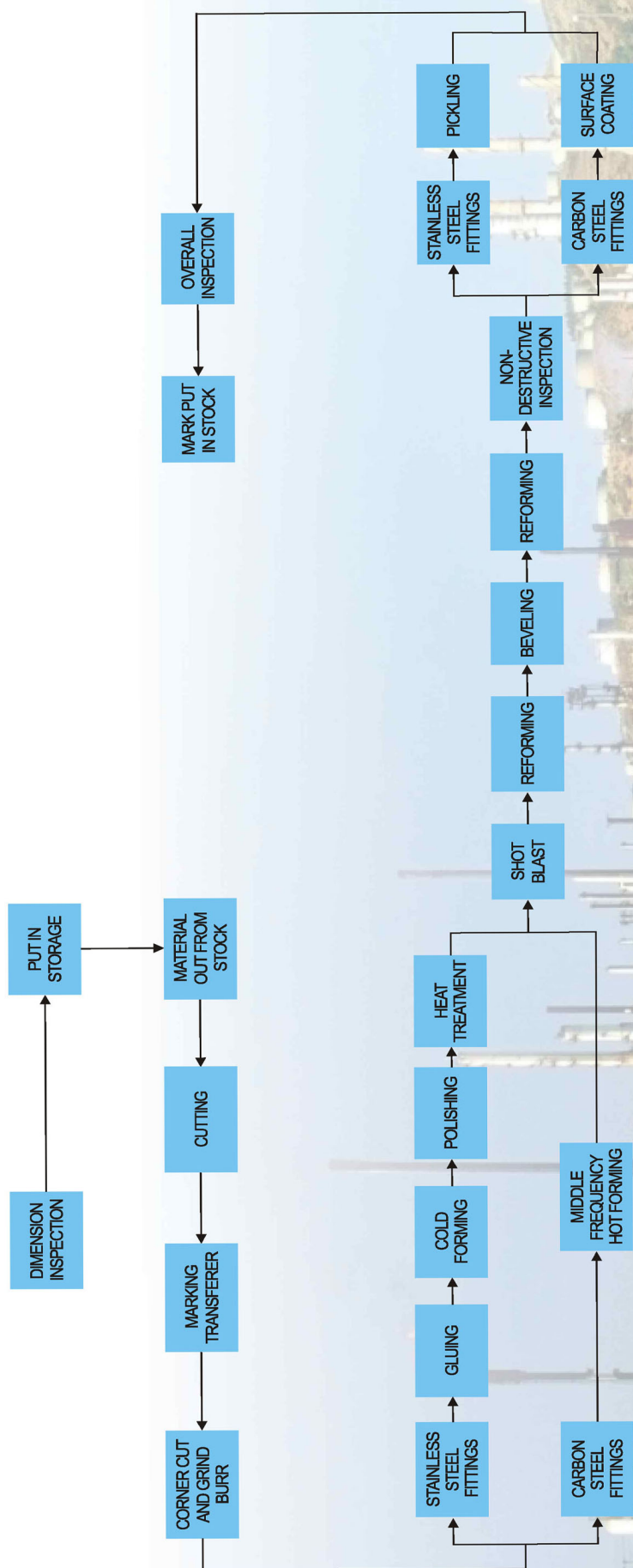


Extruding machine / 推制机

FITTINGS PRODUCTION PROCESS



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FITTINGS PRODUCTS SHOW

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ELBOW

TYPE: 45 DEGREE. 90 DEGREE. 180 DEGREE. LONG RADIUS, SHORT RADIUS

SIZE: FROM 1/2 INCH TO 72 INCH

THICKNESS: FROM SCH 10 TO SCH XXS

MATERIAL: CARBON STEEL, ALLOY STEEL

STANDARD: ANSI B16.9. ASME, JIS, DIN, EN

CONNECTION TYPE: BUT-WELDING, THREAD

PACKING: WOODEN BOX, WOODEN PALLET, PLASTIC BAG

OR ACCORDING TO CUSTOMER'S REQUESTS.

DELIVER TIME: 30 DAYS AFTER CONFIRMED ORDER

SUPPLY CAPACITY: 50000 TON/YEAR

ORIGINAL: HEIBEI PROVINCE, CHINA

SPECIAL SIZE: 30 DEGREE OR R=3D, R=5D ARE AVAILABLE



REDUCER

TYPE: CONCENTRIC REDUCER. ECCENTRIC REDUCER.

SIZE: FROM 1/2 INCH TO 72 INCH

THICKNESS: FROM SCH 10 TO SCH XXS

MATERIAL: CARBON STEEL, ALLOY STEEL

STANDARD: ANSI B16.9. ASME, JIS, DIN, EN

CONNECTION TYPE: BUT-WELDING, THREAD

PACKING: WOODEN BOX, WOODEN PALLET, PLASTIC

BAG OR ACCORDING TO CUSTOMER'S REQUESTS.

DELIVER TIME: 30 DAYS AFTER CONFIRMED ORDER

SUPPLY CAPACITY: 50000 TON/YEAR

ORIGINAL: HEIBEI PROVINCE, CHINA



TEE

TYPE: EQUAL TEE. REDUCING TEE.

SIZE: FROM 1/2 INCH TO 72 INCH

THICKNESS: FROM SCH 10 TO SCH XXS

MATERIAL: CARBON STEEL, ALLOY STEEL

STANDARD: ANSI B16.9. ASME, JIS, DIN, EN

CONNECTION TYPE: BUT-WELDING, THREAD

PACKING: WOODEN BOX, WOODEN PALLET, PLASTIC

BAG OR ACCORDING TO CUSTOMER'S REQUESTS.

DELIVER TIME: 30 DAYS AFTER CONFIRMED ORDER

SUPPLY CAPACITY: 50000 TON/YEAR

ORIGINAL: HEIBEI PROVINCE, CHINA



CAP

NAME: PIPE CAP

SIZE: FROM 1/2" TO 72" (21.3MM TO 1828.8MM)

THICKNESS: SCH 10 TO SCH XXS (2.11MM TO 60MM)

STANDARD: ASTM, JIS, DIN, EN,

MATERIAL: CARBON STEEL / ALLOY STEEL / STAINLESS STEEL

CONNECTION TYPE: BUTT-WELDED OR FORGED OR THREADED

PACKING: WOODEN BOX. WOODEN PALLET OR AS CUSTOMER'S REQUESTS

PRODUCTION CAPACITY: 60000 TON/YEAR

PAYMENT TERM: T/T, L/C

MINIMUM ORDER QUANTITY: 5 TON

OTHER: SPECIAL DESIGN IS AVAILABLE



FLANGE

TYPE: WELDING NECK. SLIP ON. PLATE. BLIND. SOCKET.

SIZE: 1/2 INCH TO 72 INCH

PRESSURE: CLASS 150-CLASS 1500

MATERIAL: A105, SS400, SF440, RST37.2, S235, C22.8 AND SO ON

STANDARD: ANSI, JIS, DIN, BS4504, EN1092-1, UNI, AS2129

SURFACE TREATMENT: ANTIRUST OIL OR BLACK PAINT

PACKING: WOODEN BOX OR WOODEN PALLET OR LOOSE PACKING

INSPECTION: BV OR S.G.S

DELIVER TIME: AROUND 30 DAYS

ORIGINAL: HEBEI, CHINA





Litongllan International Group
Contact Person: Ms. Jane Zhang
Cell: +86-13957384022

Factory:
Add.: Cangzhou North Exit - Beijing Shanghai Highway, Cangzhou, Hebei, China
Tel: +86-317-6222584
Fax: +86-317-6229789

Sales Department:
Add: No.12D Exhibition Center # 168 East Baizhang Road, Ningbo, China
Tel: +86-574-27823528
Fax: +86-574-27823518

Email: info@succeedsteelpipe.com; sales@succeedsteelpipe.com
MSN: litongllangroup@live.com
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Website: www.succeedsteelpipe.com; www.carbonsteelpipe.org