

# MAJOR PRODUCTS

## Seamless and welded

### ● *Stainless Steel Tubes & Pipes*

Main production standards	
ASTM A376	ASTM A511
ASTM A213	ASTM A312
ASTM A789	
Also individual customer specifications	

Available steel types	
Austenitic	
Duplex	

Typical Applications	
petroleum	power
chemistry	automobile
metallurgy	shipbuilding
machinery	food and pharmacy

Available size range
OD21.33mm-711mm WT:2mm-50mm

Main production grades			
TP304	TP304N	TP316	TP321N
TP347H	304	304L	316
316L	309	310S	317
321	347	S32100	S31803
S32003	S32202	S32304	S32550
S32760	Also individual customer specifications		

### ● *Alloy Seamless*

#### ◎ *High-pressure Boiler Service*

Main production grades	
ST35.8	
ST45.8	
17Mn4	

Main production standards	
DIN17175	
DIN2915	
DIN2448	
Also individual customer specifications	

Production process	
Hot or cold rolling	
Hot extrusion	
Hot or cold drawing	

Typical applications	
petroleum	power
chemistry	automobile

Relevant information	
Specification:	D:1/2"-16" WT: 2mm-30mm
Delivery condition:	Normalizing/Annealing
Surface treatment:	Vanish/Oil coated
Packing method:	Tied in bundles with steel strips

### ● *Alloy Seamless*

#### ◎ *Power Station and Nuke Industry Service*

Main production grades	
T5	
T9	
T11	

Main production standards	
ASTM A213	
Also individual customer specifications	

Production process	
Hot or cold rolling	
Hot or cold drawing	

Industries predominantly using this grade	
Nuclear and power	

Relevant information	
Specification:	OD:1/2"-18" WT: 2mm-80mm
Delivery condition:	BK/NBK/Annealing
Surface treatment:	Vanish/Oil coated
Packing method:	Tied in bundles with steel strips/ bare packing

### ● *Alloy Seamless*

#### ◎ *High-temperature*

Main production grades	
P1~P911	

Production process	
Hot or cold rolling	
Cold drawing	

Main production standards	
ASTM A335	
Also individual customer specifications	

Typical applications	
petroleum	power
chemistry	automobile

Relevant information	
Specification:	OD:6"-48" WT: 5mm-60mm
Delivery condition:	BK/NBK/Annealing
Surface treatment:	Vanish/Oil coated
Packing method:	Tied in bundles with steel strips/ bare packing



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## ● Carbon Steel Welded Tube

### ○ LSAW

Main production grade	
Grade A	Grade B
X42	X46
X52	X56
X60	X65
X70	X80M

Main production standard	
API5L	
PSL1 & PSL2	
Also individual customer specifications	

Production process	
Longitudinally submerged arc welding	

Typical applications	
Petroleum	
Nature gas	

Relevant information	
Specification:	OD:12"-48" WT: 8mm-80mm
Surface treatment:	External black paint coated
Packing method:	Plastic or steel protectors beveled at both ends.

## ● Carbon Steel Welded Tube

### ○ Drinking Water Service

Main production grades	
Grade A	Grade B
X42-X70	

Production process	
Seamless(hot rolled/hot expanded)	
Seam( ERW/LSAW/SSAW)	

Main production standard	
API5L	
ASTM A53	
ASTM A106	
Also individual customer specifications	

Typical applications	
Water, oil & gas transportation	
Feedwater tubes	

Relevant information	
Specification:	OD: 6"-48" SCH10-160
Coating standard :	DIN30670, ANSI/AWWA C210
Surface treatment:	External 3PE (2PE, FBE) coated, internal epoxy coated
Packing method:	Plastic or steel protectors beveled at both ends.

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## ● Carbon Steel Welded Tube

### ○ Spiral Welded

Main production grade	
Grade A	Grade B
X42	X46
X52	X56
X60	X65
X70	X80M

Main production standard	
API5L	
PSL1 & PSL2	
Also individual customer specifications	

Production process	
Spiral welded	

Typical applications	
Petroleum	
Nature gas	

Relevant information	
Specification:	OD:219.10mm-2020mm WT: 6mm-25mm
Surface treatment:	External black paint coated
Packing method:	Plastic or steel protectors beveled at both ends.

## ● Carbon Steel Welded Tube

### ○ Petroleum and Nature Gas Pipeline

Main production grade	
Grade A	Grade B
X42	X46
X52	X56
X60	X65
X70	X80M

Production process	
ERW	
LSAW	
SSAW	

Main production standard	
API5L	
PSL1 & PSL2	
Also individual customer specifications	

Industries predominantly using this grade	
Petroleum	
Nature Gas	

Relevant information	
Specification:	OD:219.10mm-2020mm WT: 6mm-25mm
Surface treatment:	Vanish coated or PE coated
Packing method:	Plastic or steel protectors beveled at both ends.



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## ● Carbon Steel Seamless Pipe

### ◎ Line Pipe With External 3PE/3PP Coating

#### External Coating:

Three-layer PE/PP coating is characterized by excellent corrosion-proof performance, relatively long service life and mechanical damage resistance which are widely used in coating for all kinds of major pipeline engineering. There are normal type and reinforced type. The thickness varies with the specification shift of steel pipe: Min. thickness of normal type: 1.8mm and Min. thickness of strengthened type: 2.5mm.

#### Internal Coating:

We supply steel pipes with inside corrosion protection with Specification from DN100 to DN1500. We coat inner wall of treated steel pipe with red oxide anticorrosive paint, bicomponent liquid epoxy paint or other paint designated by clients by centrifugal coating.

Normal size of pipe	Min thickness of normal coating (mm)
Up to DN100	1.8
Over DN100 up to DN250	2.0
Over DN250 to Below DN500	2.2
From DN500 to Below DN800	2.5
From DN800	3.0

## ● Carbon Steel Seamless Pipe

### ◎ Cold Drawn For Cylinder and Mechanical Service

Main production grades		
SAE1020	SAE1026	SAE1045
SAE4130	E355	C45E
34CrMo4	42CrMo4	ST37
ST52	E235	E275
E315	E355	E470
Also individual customer specifications		

Main production standard	
ASTM A 519	
EN10297	
EN 10305	
DIN 2391	
Also individual customer specifications	

Typical applications	
Cold drawing	
Cold rolling	

Production process	
Cold draw	

Relevant information	
Specification:	40mmX32mm-360mmX320mm
Packing method:	Standard export packing or wooden case as requirement

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## ● Carbon Steel Seamless Pipe

### ◎ Cold Drawn For Boiler and Heat Exchanger

Main production grades			
T91	T5	T9	T11
T22	A106B/C	SA192	15Mo3
13CrMo44	10CrMo910	SA210-C	P195TR1
P235TR1	P265TR1	P195TR2	P235TR2
P265TR2	Also individual customer specifications		

Main production standards	
ASTM A192	ASTM A210
ASTM A213	ASTM A106
DIN17175	EN10216-1
Also individual customer specifications	

Typical applications	
Hot exchanger	
Boiler	

Relevant information	
Specification:	OD10.3mm-323.9mm WT:1mm-25.4mm
Packing method:	Standard export packing or wooden case as requirement

## ● Carbon Steel Seamless Pipe

### ◎ High-Temperature Service

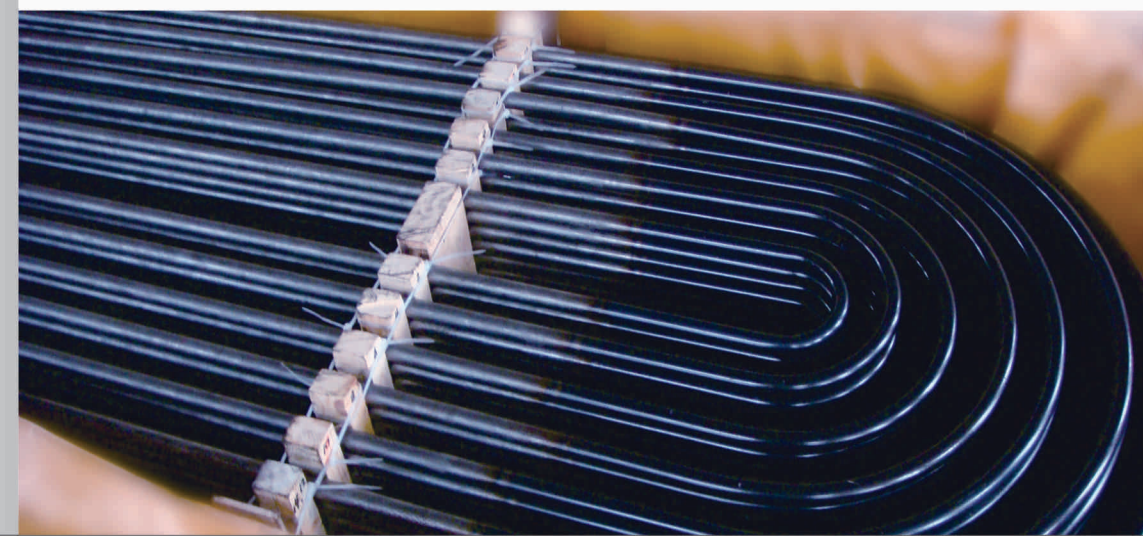
Main production grades	
Grade A	
Grade B	
Grade C	

Production process	
Cold drawing	
Cold rolling	

Main production standards	
ASTM A106	
ASTM A53	
Also individual customer specifications	

Typical applications	
Cold drawing	
Cold rolling	

Relevant information	
Specification:	OD: 1/2" TO 24". WT: 3mm To 45mm
Surface treatment:	External black painting
Packing method:	Both sides with end caps, in bundles by strips



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## Carbon Steel Seamless Pipe

### Low-temperature Service

Main production grades	
Gr.1-Gr.11	

Production process	
Hot or cold rolling	
Cold drawing	

Main production standards	
ASTM A333	
Also individual customer specifications	

Typical applications	
Cold drawing	
Cold rolling	

Relevant information	
Specification:	OD: 2"-24" WT:5mm-35mm
Surface treatment:	Vanish coated or oiled coated
Packing method:	Tied in bundles with steel strips/bare packing

## Carbon Steel Seamless Pipe

### Line Pipe For Petroleum And Nature Gas Industry

Main production grades		
Grade A	Grade B	X42
X46	X52	X56
X60	X65	X70
Also individual customer specifications		

Main production standard	
API 5L	
PSL1	
PSL2	
Also individual customer specifications	

Production process	
Hot rolled seamless	
Electric resistance weld	

Typical applications	
Petroleum	
Nature gas industry	

Relevant information	
Specification:	OD:1/2"-24" WT: 3mm-45mm
Packing method:	External black painting, both sides with end caps in bundles by steel strips

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## Carbon Steel Seamless Pipe

### Acids Resistance

Main production grades		
Grade A	Grade B	X42
X46	X52	X56
X60	X65	X70
Also individual customer specifications		

Main production standard	
API 5L	
PSL1	
PSL2	
Also individual customer specifications	

Production process	
Hot rolled seamless	
Electric resistance weld	

Typical applications	
Petroleum	
Nature gas industry	

Relevant information	
Specification:	OD:1/2"-24" WT: 3mm-45mm
Packing method:	External black painting, both sides with end caps in bundles by steel strips

## Carbon Steel Seamless Pipe

### Mechanical Service

Main production grades	
SAE1020	SAE1026
SAE1045	SAE4130
Also individual customer specifications	

Typical applications	
Hydraulic cylinder tube for swivel crane	
Injection machine	
Construction machine	

Main production standard	
ASTM A519	
Also individual customer specifications	

Relevant information	
Specification:	40mm X 32mm~360mmX320mm
Surface roughness:	Ra=0.4~0.8micron
Straightness:	≤1mm/m

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## Section Products

Standard	Feature	Application
Q/TX3127-2005 Q/TX3243-2006 Q/TX3071-2007	Purity quality, low content of P,S, high reduction rat	Petroleum, chemical industry, fertilizer cracking packing pipe, furnace pipe, nuclear, vessel pipe billet
Q/TX114-2008 Q/TX005-2010	Purity quality, low content of P,S, high reduction rate	Heat exchangers with properties of sea water resistance, high temperature resistance, strong nitric acid resistance for oil refinery, chemical fertilizer, petroleum chemical industry.
GB/T8732-2004 GB/T1220-2007	With higher strength, higher plasticity and toughness	Turbine blade under critical temperature
Q/TX-020-2009	urity quality, low content of P,S, uniform structure	Non-magnetic steel of generator guard ring
Q/TX072-2008	Purity quality, stable composition, high quenching ability, uniformed hardness	Petroleum dril collars, drilling tool, petroleum pipe joint
Q/TX041-2011		
GB/T1299-2000	Purity quality, stable composition, uniform hardness, tight structure.	Petroleum drill collars, drilling tool, petroleum pipe joint
GB/T1299-200 Q/TX3200-2003	Higher heat resistance, hardness, anti-abrasion, better toughness, higher anti0fatigue property	Forging mould, extruding mould, die with high tenacity at middle and high temperature
GB/T1299-2000		Cold heading, mould extruding mould bending, press mould
Protocol		Mirror corrosive plastic mould
Protocol	Purity quality, stable composition, better comprehensive mechanical property.	Seamless tube blank of anti-high temperature, anti-low temperature, anti-corrosion for petroleum, chemical industry, electricity power, boiler industry
Protocol		Special roll or Sendzimir mill
Protocol		Oil well piping, nuclear power, military project

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## Section Products

Steel Series	Specification	Grade
Stainless steel billet	Φ80-450 x 3500-18000mm round forgings	347H 321 304 304H 316 316L
Duplex steel tube billet	Φ80-350 x 3500-18000mm round & square forgings	S32750
Steel for turbine blade	Φ80-350 x 2000-8000mm round forgings	R1-2Cr13 R1Cr12MO R2Cr11Mo1VNbN R2Cr12NiMo1w1v 0Cr17Ni4Cu4Nb
Steel for motor protection ring	Φ90-450 x 2000-6000mm round forgings	50Mn18Cr5
Steel for drill collars	Φ200-290 x 4000-13000mm round forgings	AISI4145H, 37CrMnMoA, TSMF166
	Φ120-230 x 4000-13000mm round forgings	TNMS501
Mandrel equipment	Φ170-340 x 10000-18000 round forgings	AISIH13
Hot-working die steel	Φ80-450x 2000-10000mm round forgings	(R) 4Cr5MoSiv1 5CrMnMo 5CrNimo
Cold-working die steel	Φ80-310x 1000-5000mm round forgings	(R)Cr12Mo1V1 Cr12, etc
Plastic mold steel	Φ120-560 x 2000-6000mm round forgings	TS136 NAK80
Steel for high boiler tube	Φ110-430 x 3000-10000mm round forgings	P91 P92
Roll for cold rolling mill	Φ80-180mm round forgings	RCr12Mo1VRx63 II
Special steel	Φ80-560mm round forgings	TA10 TA2 N08028 N08810

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## Hot Rolled Coil&Plate

Product specification	
product	PMP
Width	1500-3000
Thickness	6.0-100.0
Length	2000-12000

Item	Precision
Width precision	0-+10
Length precision	0-+25
Diagonal precision	≤10
Stacking accuracy	Lengthwise:0-3.0
	Widthwise:0-2.0

Dimensional precision			
Thickness	6.0-20.0	20.0-40.0	40.0-100.0
Allowable thickness tolerance	±0.2	±0.25	±0.3

## Cold Rolled Coil&Plate

Product specifications		
Width (slit or rough)	1219-1600mm	1500-2100mm
Thickness	0.4-8.0mm	0.8-8.0mm
Length	3.0-13.0m & coils	3.0-13.0m & coils

Width deviation			
Thickness	0.4-3.0mm	3.0-8.0mm	8.0-14.0mm
Width deviation	0-+2mm	0-+4mm	0-+5mm

Width deviation	
Ltom	Width deviation
Length	0-+0.5mm
Doponal dovtion	Length<6m Rongo<4mm; Length<6m Rongo<6mm

Main production grades	
Series from 300-400 are all available	
Also individual customer specifications	

Main production standard	
EN10204	
Also individual customer specifications	

Relevant information	
Specification:	Thickness : 0.02~0.5mm Width : 3~610mm
Uniformity of hardness:	Deviation of hardness ± 10HV
Straightness:	1-2 IU

Typical applications	
Automobile accessories	
Textile hook	
Cutlery	
Electronic punching piece	
Electronic punching piece	
Solar energy cells	

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# ORDER TRACKING & MGT

## PRICE COMPETING

### *Price Competing:*

Our particular strength, price competing, lies in the combination of market understanding, localized communication and public relation maintaining.



### *Service Feature:*

#### *Relationship Harmonizing:*

To provide you the best fare deal due to the preferential services provided by long association with manufactories. Backed by decades of steel trading experience and reputation, SCMMC has built up a network of strategic manufactory partners and maintained close liaison with them.

#### *Market Understanding:*

To offer you the most competitive price, our steel sourcing team is updated with industry trend and sensitive to the market. Mutual visit is conducted regularly between SCMMC and its factories for corporation promotion and experience sharing.

### *Order Tracking & MGT:*

Products quality is always the first priority for SCMMC. Our order tracking procedure is generated based on production expediting, onsite overall QA/QC monitoring and third party inspection to achieve zero defect.



### *Service Feature:*

#### *Expediting:*

According to production process, seamless management plan is developed to ensure the qualified rapid delivery.

#### *QA/QC Monitoring:*

All products are strictly produced accordance with the required standards through onsite overall supervision. Tailored QA & QC tasks based on customers unique needs are also offered.

#### *Third Party Inspection:*

products are delivered accompany with required tests and inspection documents that are audited by world famous third party inspection authorities like BV,SGS, INTERTEK, etc

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# BANKING & FINANCING

Credibility, liquidity and flexibility have gained SCMMC its reputation as a supportable partner in the market. Having cooperated with bank partners for many years and provided numerous financial solutions, we are well equipped to deal with each new project in a flexible and innovative way.

### Service Features:

#### Flexible Payment:

We are capable of offering flexible payment solutions like TT, LC, DP, DA, conditional Open Account, etc that are precisely tailored to all reasonable needs of our customers.

#### Liquidity Guarantee:

We cooperate with long-standing trusting partners such as China 'big four' banks and international major banks like Standard Chartered, City Bank, HSBC and ANZ. According to our excellent creditworthiness, we have signed bank credit agreements with CCB (China Construction Bank) and CEB (China Everbright Bank) to enjoy abundant credit line. It enables us address your specific needs combined with financial products to increase your liquidity.



#### Currencies Diversity:

Taking advantage of our corporation with international major banks and Hong Kong Exchange Settlement Center, we are happy to accept feasible currencies besides key currencies for international settlement on convenient basis.

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# PACKING & LOGISTIC

International shipping is day to day business for SCMMC. Our Company offers a comprehensive menu of cost-effective logistics solutions, which include packing, loading warehousing, commodity inspection, customs declaration, abnormal handling and freight forwarding of motor carriers, trains, containers, bulk carriers and air.







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## SCMMC OVERVIEW

Sichuan Metals & Minerals I.& E. Co., Ltd (SCMMC) located in west China specializes in supplying bulk commodities such as metal, mineral, chemical, machinery for customers in China and worldwide with annual turnover of over USD100million.

Honored from 1950s, SCMMC were a wholly owned subsidiary of CMC (China Minmetals Corporation, which is one of the largest enterprise in China ranked 7th in 2012) till its reconstruction as an independent entity in 2001.

- ISO9001:2000 Quality System Certificate in 2002, first one of its kind in west China.
- Class AA management enterprise certified by China Customs since 2009.
- SGS audited qualified supplier since 2009.
- Top credibility enterprise rated by Bank, Commodity Inspection and Taxation Authorities.



From its establishment in 1950s, SCMMC has focused on steel marketing and been committed to achieving the highest standards of service, meeting the needs of customers and building partnerships through our professional works on the entire supply chain end-to-end. Through our efficient solutions, your sleep will be sounder at night.

## FACTORY SOURCING

### Factory sourcing:

Significant Background, experience and professionalism ensure SCMMC to provide the best-performance to quality-price solution & support for customers locating the most right manufactory and the precisely product.

### Service Feature:

#### Sourcing Power:

Long-term partnerships with China state-owned steel giants (Bao Steel, An Steel, Wisco, Tisco), international suppliers (V & M, Tubacex, NSSMC, Posco) and over 100 private steel enterprises enlarge our procurement capacity from steel raw material to finished products with any steel grade based on your requirements.

#### Product Collecting:

Taking advantage of our network of strategically selected manufactory, for all grades of steel product regardless of your ordered quantity, we are capable of product collecting, warehousing and storage transportation. As such, centralized distribution is offered in the meanwhile to save your time and costs.

#### Turnkey Outsourcing Processing:

Tailored outsourcing is welcomed. We offer turnkey services from proper factory positioning, material importation to item processing and finished goods re-exportation, to improve customers steel sourcing power and maximize customers' value.