



ROOTS INTERNATIONAL

Connecting Globally

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TRUSTED FOR QUALITY, RELIABILITY & SERVICE

Combining our local presence with our global connectivity, ROOTS INTERNATIONAL is one of the fastest-growing companies committed to delivering the highest quality, serving both the domestic and international sectors.

Established in 2005, started as a trading company for heavy machinery imports followed by diversification in steel commodities, we deal with the big names that are most technically advanced steel producers. We supply a wide range comprising of scrap, alloys, and finished steel.

Over time, we have built strategic relationships with producers and consumers of steel and energy commodities. Whatever you are searching for, we got you. From scrap to finish products, we have the resources and infrastructure to provide competitive values across these steel supply chains.

Our supply goes out to:

- Steel furnace and Re-rolling
- Steel downstream processing
- Forging & Railway production
- ERW & SMLS Pipe
- Automotive
- Military & defense productions
- Agriculture Machines & Equipment
- Construction
- Power & Energy
- Wire, Welding, and fastener
- Home appliances
- Food packaging
- Steel service centers



WHY CHOOSE **ROOTS INTERNATIONAL?**

Our sole mission is to provide ease to our customers and building partnerships between international producers, recyclers, and local import industries. In order to achieve desired quality standards, we keep day to day updates about our customers as to provide the best solution to increase their revenues expand their business.

FROM RESPONSIVE DELIVERY CAPABILITIES TO TECHNICAL SUPPORT

We do this with a trained, motivated, and friendly staff dedicated to serving customers with quality materials, and value-added services at competitive prices.



Experience

More than 10 years of experience in trade providing diversification in steel commodities.



Reliability

Fixed, prequalified, certified, and consolidated vendor base provide stability, continuity, and security.



Market Knowledge

Providing coverage of global commodity market prices, to help our customers to master in their short to long-term purchasing strategies.



Best price

We chase our customers' expectations and always offer competitively. Thanks to our global network as we offer the best price in combination with the desired service.



Tailored Solutions

Educating customers and producers, offering fixed long term base price and minimizing the risk of price volatility is our priority to help them focus on their business goals.



Quality

We only provide the certified quality to our customers.



SCRAP

• FERROUS REMELTABLE SCRAP

MS, Heavy Melting Steel, is made between HMS 1/2 and HMS 1. The thickness of the iron is decisive for the category it comes under. HMS 1/2 must have a thickness of between 3 and 6 mm, HMS 1 at least 6 mm. It originates from demolition or production sites.

Ranges we offer:

- HMS 1
- HMS 2
- HMS Bundle
- HMS (1 & 2) 75:25 | 80:20
- Shredded
- Railway Scrap
- Sheet Metal Scrap

Origins we offer:

- Middle East
- Europe
- USA
- South Africa

LONG STEEL

CONTINUOUS CAST STEEL INGOTS

TOP	BOTTOM	WEIGHT
590 X 560mm	430 x 430mm	2.8 Tons
595 x 575mm	480 x 480mm	3.8 Tons

CONTINUOUS CAST STEEL BILLETS

TYPE	SIZES	LENGTH
CC ROUND	Ø 150mm Ø 170mm Ø 190mm	6.0 - 11.7m
	Ø 210mm Ø 250mm Ø 290mm	6.0 - 11.7m
	Ø 385mm Ø 410mm Ø 450mm	6.2 - 9.85m
	Ø 470mm	6.2 - 9.85m
	Ø 300mm	2.5 - 6.0m
	Ø 310mm	3.0 - 12m
	Ø 406mm Ø 500mm Ø 600mm	2.0 - 6.0m
CC SQUARE	135 x 135mm 160 x 160mm	3.5 - 12m
	240 x 240mm 280 x 300mm	2.5 - 0.6m
	100 x 100mm	6 - 12m
	120 x 120mm	6 - 12m
	130 x 130mm	6 - 18m
	140 x 140mm	6 - 18m
	150 x 150mm	6 - 18m
	180 x 180mm	6 - 18m
	200 x 200mm	6 - 18m

Ingots & Billets are provided that are made out of the carbon and alloyed steel with chemical compositions in accordance with standard steel grade guide or with customer's requirements.



HOT ROLLED BARS

TYPE	SIZES	LENGTH
ROUND	Ø 19 - Ø 250mm	4.0 - 12m
PEELED BAR	Ø 19 - Ø 105mm	4.0 - 12m
SQUARE	55 X 55 - 250 X 250mm	4.0 - 12m
FLAT	60 X 60 - 50 X 120mm	4.0 - 12m



CARBON STEELS

BS 08A842	S 35 C
C 45	SAE 1040
C 60 R	SAE 1050
CF 53	

HIGH TEMPERATURE RESISTANT STEELS

10 CrMo 9-10	16 Mo 3
13 CrMo 4-5	X 20 CrMoV 12-1
32 CrMoV 12-10	

HEAT TREATABLE STEELS

34 CrNiMo 6	AISI 4145
39 NiCrMo 3 Pb	BS 605M36
41 Cr 4	BS 817M40
42 CrMo 4	SAE 4150
AISI 4130	SCM 440H
AISI 4140	

MICROALLOYED STEELS

(High Strength Low Alloy HSLA Steels)

19 MnVS 6	38 MnVS6
30 MnVS 6	ZF 59
38 MnSiVS 5	AMC 1200

BEARING STEELS

100 Cr 6	100 CrMo 7-3
100 CrMnSi 6-4	AISI 52100
(100 CrMn 6)	SUJ3
100 CrMo 7	

COLD AND HOT WORKING TOOL STEELS

1.2208 (31CrV 3)	1.2842 (90 MnCrV 8)
1.2714 (56 NiCrMoV 7)	1.2127 (105MnCr 4)
1.2344 (X 40 CrMoV5-1)	

BORON STEELS

20 MnB 4	ZF 6
33 MnCrB 5-2	ZF 7
SAE 51B60	ZF 7B

CASE HARDENING STEELS

16/20 MnCr(S) 5	BS 655M13
18 CrNiMo7-6	SAE 8620H
18 NiCrMo 5	SCM 420
25 MoCr4	ZF1
AISI 5120	ZF1A

CONSTRUCTION STEELS

BS 150M19
St 37-2, St 60-2, St 44-2
S355J2 (S355J2G3, St 52-3)
A706/ 706M, A615/ 615M

SPRING STEELS

55 Cr 3	AISI 9260
51 CrV 4	52 CrMoV4
60 SiCr 8	SUP 9
60 SiMn 5	SUP 9A

STAINLESS STEELS

AISI 410	X 17 CrNi 16-2
AISI 431	X 20 Cr 13
BS 420529	X 46 Cr 13

WEAR RESISTANT STEELS

90 Mn 4
X 100 CrMoV 5-1
X 120 Mn 12
60 SiMn 5

FREE CUTTING STEELS

T1 SMn 30 (9 SMn 28)
T1 SMn 37 (9 SMn 36)
T1 SMnPb 30 (9SMnPb 28)
T1 SMnPb 37 (9SMnPb 36)
35 S 20
AISI C12L14
BS 220M07
EN 8M
SAE 117

NITRIDING STEELS

8 CrMo 16
15 CrMoV 5-9
31 CrMo 12
31 CrMoV 9
BS 150M36

STAINLESS STEEL BARS

AUSTENITIC STAINLESS STEEL ROUND BAR LIST

303 (A305)	3mm to 200mm	321 (A54)	12mm to 160mm
304 (A301)	3mm to 300mm	316L/316Mo (1.4435)	20mm to 130mm
304L (1.4307)	8mm to 300mm	316LM (1.444)	0.8mm to 20mm
316/316L (1.4401/1.4404)	2mm to 350mm	310 / 310S (1.4848)	6mm to 100mm
316Ti (1.4571)	5mm to 350mm	904L (1.4539)	10mm to 250mm

MARTENSITIC STAINLESS STEEL ROUND BAR LIST

420A (1.4021)	5mm to 350mm	431 (1.4057) Q1800	5mm to 250mm
420B (1.4028)	45mm to 350mm	1.44B Q1900	12mm to 160mm
420D (1.4034)	12mm to 12mm	415 (1.4313) Q1900	50mm to 150mm
416 (1.4005)	8mm to 60mm	1412 Q1750	25mm to 220mm
410 (1.4006)	30mm to 10mm	1.4923 Q1800	20mm to 120mm
440M (JG416N)	4mm to 10mm	1.4104 (4104)	8mm to 30mm

FERRITIC STAINLESS STEEL ROUND BAR LIST

430 (1.4016)	6mm to 30mm	430F (1.4015)	5mm to 75mm
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PRECIPITATION HARDENING STAINLESS STEEL ROUND BAR LIST

630 (17-4 PH, 1.4542)	4mm to 355mm	PH 13-8Mo (1.4534)	12mm to 10mm
15-5 PH (1.4545/1.4548)	12mm to 200mm		

DUPLEX STAINLESS STEEL ROUND BAR LIST

DUPLEX 1.4462	5mm to 350mm	SUPER DUPLEX 1.4410	20mm to 250mm
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STAINLESS STEEL HEXAGONAL BAR LIST

303 (A305)	4mm to 70mm	316/316L (1.4401/1.4404)	8mm to 70mm
304/304L (1.4301/1.4307)	8mm to 70mm	316Ti (1.4571)	14mm to 48mm

STAINLESS STEEL FLAT BAR LIST

304/304L (1.4301/1.4307)	Width: 20mm to 150mm, Thickness: 5mm to 60mm
316/316L (1.4401/1.4404)	Width: 20mm to 150mm, Thickness: 5mm to 50mm
630 (PH 17-4, 1.4542)	Width: 50mm to 200mm, Thickness: 25mm to 200mm
15-5 PH (1.4545, 1.4548)	Width: 50mm to 200mm, Thickness: 25mm to 100mm

STAINLESS STEEL SQUARE BAR LIST

303 (A305)	8x8mm to 60x60mm	316/316L (1.4401/1.4404)	12x12mm to 150x150mm
304/304L (1.4301/1.4307)	5x5mm to 150x150mm	630 (17-4 PH, 1.4542)	25x25mm to 100x100mm

NICKEL ALLOY GRADE LIST

INCONEL 600	INCONEL 601	INCONEL 625	INCONEL 718
ALLOY A-286	INVAR 36	HASTELLOY C-276	NICKEL 200/201
MONEL 400	MONEL K-500	NITRONIC 50 (304-17)	NITRONIC 60 (S21800)

HOT ROLLED PLAIN & DEFORMED BARS

TYPE	SIZES	LENGTH
PLAIN BAR	Ø8 - Ø60mm	In Coil [2 Mt]
DEFORMED BARS	Ø8 - Ø60mm	60 - 18m
DEFORMED BARS IN COIL	Ø6 - Ø16mm	In Coil [2 Mt]

PRODUCT NAME	MARK	SIZES
Deformed steel bar	HRB400, HRB500	Ø8 - Ø40mm
Anti-shock deformed steel bar	HRB400E, HRB500E	
English standard deformed steel bar	B500B, B500C	Ø8 - Ø40mm
American standard	A615 / A615M A706 / A706M	Ø8 - Ø0mm

	STANDARD	GRADE	
TURKEY	TS708	I-a	
	(1996)	III-a*	
	(1998)	III-a*/sismik	
		IV-a	
	TS708/2010		S 220 (plain)
			S 420
			B 420B
			B 420C
		B 500B	
ENGLAND	BS 4482:2005	GR 250	
	BS 4449:1997	GR 250	
	BS 4449:1997	GR 460	
	BS 4449:2005	B500B	
	BS 4449:2005	B500C	
USA		GR 40	
	ASTM	GR 60	
	A 615/09b	GR 75	
	A 615M/09b	GR 80	
	ASTM		
	A 706/09b	GR 60	
	A 706M/09b	GR 80	

HOT ROLLED WIRE ROD

HIGH CARBON

HIGH CARBON WIRE ROD FOR GENERAL USE			CHEMICAL COMPOSITION (%) JIS G 3506 (Q235), TIS 349 - 2548		
GRADE	CARBON	SILICON	MAGNESE	PHOSPHORUS	SULPHUR
SWRH42A	0.39 - 0.46	0.15 - 0.35	0.30 - 0.60	0.030 MAX.	0.030 MAX.
SWRH52A	0.49 - 0.56	0.15 - 0.35	0.30 - 0.60	0.030 MAX.	0.030 MAX.
SWRH52B	0.49 - 0.56	0.15 - 0.35	0.60 - 0.90	0.030 MAX.	0.030 MAX.
SWRH57A	0.54 - 0.61	0.15 - 0.35	0.30 - 0.60	0.030 MAX.	0.030 MAX.
SWRH62A	0.59 - 0.66	0.15 - 0.35	0.30 - 0.60	0.030 MAX.	0.030 MAX.
SWRH62B	0.59 - 0.66	0.15 - 0.35	0.60 - 0.90	0.030 MAX.	0.030 MAX.
SWRH67A	0.64 - 0.71	0.15 - 0.35	0.30 - 0.60	0.030 MAX.	0.030 MAX.
SWRH67B	0.64 - 0.71	0.15 - 0.35	0.60 - 0.90	0.030 MAX.	0.030 MAX.
SWRH72A	0.69 - 0.76	0.15 - 0.35	0.30 - 0.60	0.030 MAX.	0.030 MAX.
SWRH72B	0.69 - 0.76	0.15 - 0.35	0.60 - 0.90	0.030 MAX.	0.030 MAX.
SWRH77B	0.74 - 0.81	0.15 - 0.35	0.60 - 0.90	0.030 MAX.	0.030 MAX.
SWRH82A	0.79 - 0.86	0.15 - 0.35	0.30 - 0.60	0.030 MAX.	0.030 MAX.
SWRH82B	0.79 - 0.86	0.15 - 0.35	0.60 - 0.90	0.030 MAX.	0.030 MAX.

*SWRH42A - SWRH82B = JIS G 3506, ASTM A510, SAE 1042 - SAE 1086, MS ISO 16120 -2, C42D - C82D

STANDARD DIAMETERS

STANDARD DIAMETERS (MM.)	5.5	6	6.5	7	8	9	10	11	12	13	14	16
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LOW CARBON

LOW CARBON WIRE ROD FOR GENERAL USE			CHEMICAL COMPOSITION (%) JIS G 3505 (2004), TS 348 - 2540	
GRADE	CARBON	MAGNESE	PHOSPHORUS	SULPHUR
SWRM6	0.08 MAX.	0.60 MAX.	0.040 MAX.	0.040 MAX.
SWRM8	0.10 MAX.	0.60 MAX.	0.040 MAX.	0.040 MAX.
SWRM10	0.08 - 0.13	0.30 - 0.60	0.040 MAX.	0.040 MAX.
SWRM12	0.10 - 0.15	0.30 - 0.60	0.040 MAX.	0.040 MAX.
SWRM15	0.03 - 0.18	0.30 - 0.60	0.040 MAX.	0.040 MAX.

*SWRM6 - SWRM15 = JIS G 3505, ASTM A510, SAE 1006 - SAE 1015, MS ISO 16120 -2, C6D - C15D

WELDING STEEL

	GRADE	CARBON	SILICON	MAGNESE	PHOSPHORUS	SULPHUR
WIRE RODS FOR CORE WIRE OF COVERED ELECTRODE			CHEMICAL COMPOSITION (%) JIS G 3505 (1980)			
ELECTRODE	SWRY11	0.99 MAX	0.03 MAX	0.35-0.65	0.020 MAX	0.020 MAX
WIRE RODS FOR CORE WIRE OF COVERED ELECTRODE			CHEMICAL COMPOSITION (%) DIN 8559-1			
MIG/MAG	SG1	0.06-0.09	0.50-0.70	1.00-1.30	0.015	0.015
	SG2	0.06-0.09	0.80-0.90	1.40-1.55	0.015	0.015
	SG3	0.06-0.09	0.80-1.00	1.60-1.75	0.015	0.015
WIRE RODS FOR CORE WIRE OF COVERED ELECTRODE			CHEMICAL COMPOSITION (%) DIN 8557-1			
SUBMERGED ARC WELDING	S1	0.06-0.09	0.05 MAX	0.40-0.60	0.015	0.015
	S2	0.07-0.10	0.10 MAX	0.80-1.20	0.015	0.015
	S3	0.08-0.14	0.08-0.22	1.35-1.65	0.015	0.015
	S2Si	0.08-0.14	0.18-0.37	0.83-1.15	0.015	0.015
	S2Mo	0.07-0.15	0.05-0.15	0.80-0.90	0.015	0.015
	SgMo	0.08-0.12	0.55-0.75	0.95-1.25	0.02	0.02
WIRE RODS FOR CORE WIRE OF COVERED ELECTRODE			CHEMICAL COMPOSITION (%) DIN 8554-1			
ELECTRODE	G1	0.06-0.09	0.05-0.17	0.38-0.62	0.015	0.015

COLD HEADING & COLD EXTRUSION STEEL

	GRADE	CARBON	SILICON	MAGNESE	PHOSPHORUS	SULPHUR
NON ALLOY STEELS	CHEMICAL COMPOSITION(%) IS 3507-1(1991)					
	SWRCH6A	0.18 MAX	0.10 MAX	0.60 MAX	0.030 MAX	0.020 MAX
	SWRCH22	0.18-0.23	0.10 MAX	0.70-1.00	0.030 MAX	0.020 MAX
	CHEMICAL COMPOSITION (%) ASTM A 510M					
	AISI 1006	0.05-0.07	0.10	0.25-0.45	0.020	0.025
	AISI 1008	0.06-0.10	0.10	0.35-0.50	0.020	0.025
	AISI 1010	0.08-0.12	0.10	0.45-0.60	0.020	0.025
	AISI 1015	0.13-0.17	0.10	0.45-0.60	0.020	0.025
	AISI 1018	0.15-0.19	0.10	0.65-0.85	0.020	0.025
	AISI 1021	0.18-0.22	0.10	0.70-0.90	0.020	0.025
LOW ALLOY STEELS	CHEMICAL COMPOSITION (%) ASTM A29/A29M					
	AISI 10B17	0.15-0.20	0.30	0.90-1.20	0.020	0.025
	AISI 10B20	0.18-0.23	0.30	0.90-1.20	0.020	0.025
	AISI 10B26	0.25-0.30	0.15-0.30	0.90-1.20	0.020	0.025
	AISI 10B30	0.27-0.32	0.30	0.80-1.10	0.020	0.025
	AISI 5115	0.14-0.19	0.30	1.00-1.30	0.020	0.025
	AISI 8620	0.17-0.23	0.30	0.65-0.95	0.025	0.025
	AISI 5135	0.30-0.37	0.30	0.60-0.90	0.025	0.025
	AISI 5140	0.38-0.45	0.30	0.60-0.90	0.025	0.025
	AISI 4130	0.22-0.29	0.30	0.60-0.90	0.025	0.025
AISI 4140	0.38-0.45	0.30	0.60-0.90	0.025	0.025	

PIPES

• C.S. SEAMLESS PIPES C.S.

C.S. Seamless Pipes from 1/4" to 26" in schedules 20/30/STD/40/60/XS/80/100/120/140/160/XXS in Single & Double random lengths in PSL 1 & PSL 2.
Grade : API 5L Gr. B/X42/X52/X60/X65, ASTM/ASME A/SA 106 Gr. B/A 53 Gr.B NACE MR 01-75.

• SEAMLESS LOW TEMPERATURE PIPES

C.S. Seamless low temperature Pipes from 1/2" to 24" in schedules 20/30/STD/40/60/XS/80/100/ 120/140/160/XXS in Single & Double random lengths.
Grade : ASTM/ASME A/S in A333/GR 6/X52/PSL1 and PSL2.

• C.S. HFW (ERW) PIPES

Upto 24" in schedules 10/20/STD/40/XS/80 in Single & Double random lengths.
Grade : ASTM A53/API5L Gr.B/X42 PSL1, NACE MR 01-75.
Origin : HYUNDAI/SEAH STEEL – KOREA

• CS SAW (LONGITUDINAL) PIPES

Upto 24" in schedules 10/20/STD/40/XS/80 in Single & Double random lengths.
Grade : ASTM A53/API5L Gr.B/X42 PSL1, NACE MR 01-75.
Origin : HYUNDAI/SEAH STEEL – KOREA

• POLYETHYLENE COATED PIPES

EXTERNAL THREE-LAYER POLYETHYLENE AND POLYPROPYLENE COATING
DIN 30670
EN ISO 21809
EN 10288

• POLYETHYLENE COATED PIPES

WELDED STRUCTURAL HOLLOW SECTIONS
EN 10219-1, 2
Application: on-ground and underground construction, bridge and crane building

FLAT STEEL

CONTINUOUS CAST STEEL SLAB

- 200 - 225mm Thickness
- 700 0 2,100mm Width
- 4 - 16m Lenth (max 40 ton)
- IF, DD11, S235, St 37-2, S275
- S355, S355V, J55 Quality
- API X43 - X80
- Dual Phase Dp600
- SAE J403 1006 - 1025
- JIS G 3106, SS400 & SM490 etc..

HOT ROLLED SHEETS IN COILS

VARIETY	DESIGNATION	SPECIFICATION
ORDINARY STEEL	SS400 Q235C Q235D	1.2-25.4mm THICKNESS, 850-2150mm WIDTH
CHECKERED STEEL	Q215-235	
LOW CARBON STEEL	Q195 SPHC SPHD SPHE SPHF BGIF BGIFG SAE1006 SAE1008 SAE1010 SAE1012	
QUALITY CARBON STEEL	20-50 Q8AL	
QUALITY CARBON STEEL	Q345A Q345B Q345C Q345D Q345E Q420B	
MARINE PLATE STEEL	CCSA CCSB	
HOT ROLLING STRUCTURAL STEEL	20MnTiB SPHT1/ 2/ 3/ P235S Q345A SS400 SM490A/YA SM490B/YB St37-2 Q275	
WHEEL STEEL	Q205PL/Q235PL Q345PL BG330CL BG350CL BG380CL BG420CL BG490CL BG590CL BG600C SW300 SW400 SW500 SW450 RS590	
BLOCK CHAIN STEEL	G11/2/3/4	
VESSEL STEEL	Q245R Q345R	
CUTTING TOOL STEEL	65Mn	
CYLINDER STEEL	HP295 HP345 BG215	
WEATHERING STEEL	09CuPTiRE-A 09CuPTiRE-B 09CuPCrNi 09CuPCrNi-A Q450NQR1Q550NQR1	
AUTOMOBILE STRUCTURAL STEEL	BG420L BG440L BG510L BG550L BG590L BG610L BG355L500L 510L BQ500L BG450QK BG440QZR BG480QZR BG520QZR QStE340TM QStE380TM QStE420TM QStE460TM QStE500TM QStE420TM QStE550TM Q550D Q560E SAPH310 SAPH370 SAPH400 SAPH440 BGQ340 BQG420 BQG460	
HIGH STRENGTH STEEL	Q460C Q460D BG600BC BG650BC ASTM A572 Gr50 ASTM A572 Gr6 BGS500MC BGS600MC BGS700MC S700MC BG520JJ	
CONTAINER STEEL	SPA-H	
PIPELINE STEEL	S245 B L245 S290 X42 L290 L290MB S320 X46 L320 S360 L360 L360MB X52 L360 L360MB S390 X56 L390 S415 X60 L415 L415MB S450 X65 L450 L450MB S485 X70 L485 L485MB J55 L555 L555MB X80 X100	
PRESSURE VESSEL PLATE	Q245R Q345R	

HOT ROLLED PLATES

THICKNESS	8 - 150mm
WIDTH	1500 - 3200mm
LENGTH	6000 - 24000mm

PRODUCT NAME	MARK	EXECUTIVE STANDARD
CARBON STRUCTURAL STEEL	Q195, Q215A, Q215B, Q235A, Q235B, Q235C, Q235D, Q275A, Q275B	GBT 700 - 2006 GBT 3274 - 2017
HIGH STRENGTH LOW ALLOW STRUCTURAL STEELS	Q345A, Q345B, Q345C, Q345D, Q345E, Q355B, Q355C, Q355D, Q355E, Q390A, Q390B, Q390C, Q390D, Q420A, Q420B, Q420C, Q420D, Q460C, Q460D	GBT 1591 - 2008 GBT 1591 - 2018 GBT 3274 - 2017
STRUCTURAL STEEL FOR BRIDGE	Q345qC, Q345qD, Q345qE, Q370qC, Q370qD, Q370qE	GBT 714 - 2015
STRUCTURAL STEEL FOR HIGH RISE BUILDING	Q235GJ.B, Q235GJ.C, Q235GJ.D, Q235GJ.E, Q245GJ.B, Q245GJ.C, Q245GJ.D, Q245GJ.E, Q290GJ.B, Q290GJ.C, Q290GJ.D, Q290GJ.E	GBT 19879 - 2015
WIDE & HEAVY PLATES FOR LINE PIPE OF PETROLEUM & NATURAL GAS	L365, L290, L320, L360, L390 X42, X46, X52, X56	GBT 21237 - 2007
Z-DIRECTION STEEL PLATES	Z15, Z25, Z35	GBT 5313 - 2010
ATMOSPHERIC CORROSION RESISTING STRUCTURAL STEEL	Q235NH, Q295NH, Q355NH	GBT 471 - 2008
QUALITY CARBON STRUCTURAL STEEL	08 - 70#, 20Mn - 65Mn	GBT 711 - 2017
STEEL FOR WELDING STRUCTURE OF JAPANESE STANDARD	SM490A - SM490A - Mn	JIS G 2106 - 2008
ALLOW STRUCTURAL STEEL	20Cr, 40Cr, 35CrMo, 42CrMo	GBT 3077 - 2015
STRUCTURAL STEEL PLATE FOR BUILDING SHIPS	A, B, D, AH32, DH32, AH36, DH36	(CHINESE, JAPANESE, KOREAN, ENGLISH) MATERIAL & WELDING CODES
STEEL PLATES FOR BOILER & PRESSURE VESSELS	Q245R, Q345R	GBT 713 - 2014
ENAMEL STEEL FOR LARGE-SCALE CHEMICAL ENGINEERING	Q245R (FC), Q245 (RD)	Q/J 02 - 2014 GBT 712 - 2014
EUROPEAN STANDARD STEEL PLATE	S235JR(+N), S235J0(+N), S235J2(+N), S275JR(+N), S275J0(+N), S275J2(+N), S355JR(+N), S355J0(+N), S355J2(+N), S355K2(+N)	EN 10025 - 2
AMERICAN STANDARD VESSEL STEEL PLATE	A516 - 55, A516 - 60, A516 - 65, A516 - 70	ASTM A516 - 2015
LOW ALLOW HIGH STRENGTH STEEL AMERICAN STANDARD	A572Gr50, A572Gr50 - 1	ASTM A572 - 2015
AMERICAN STANDARD CARBON STRUCTURAL STEEL	A36 - Cr	ASTM A36 - 08
JAPANESE STANDARD COMMON STRUCTURAL STEEL	SS400 - Cr	JIS G 3101 - 2015

HOT ROLLED SLITTING COILS

THICKNESS	1.2 - 12, 7mm
SLITTING WIDTH	70 - 2100mm
COIL INNER DIA	60mm
COIL OUTER DIA	1000 - 2200mm

COLD ROLLED SHEETS

STEEL GRADE	DESIGNATION	SPECIFICATION
Cold-rolled low C & extra low C steel sheets & strips	SPOC SPCD SPCE SPCBN DC01 DC02DC03 DC04 DC05 DC06 DC07	Thickness 0.3mm - 2.5mm Width 1000mm - 2150mm The max products strength can reach to 980MPa.
Cold rolled carbon structural steel sheets and strip	Sr37 Sr44 Sr52	
Rephosphorized high strength steel sheets and strip	B170P B210P B250P B180P2 B220P2 B260P2	
Bake hardening steel sheets and strip	Y40BH 180BH 220BH 260BH 300BH	
High strength Low alloy steel sheets and strip	B340LA B410LA HC260LA HC300LA HC340LA HC380LA HC420LA HC460LA HC500LA	
Dual-phase high strength steel sheets and strip	250/450DP 300/500DP 280/590DP 340/590DP 420/780DP HC420/780DP R450/780DP HC500/780DP HC550/980DP HC550/980DP-EL HC650/980DP HC700/980DP DP390DP440 DP590 DP780	
TRIP steel	380/590TR 400/690TR 420/780TR	
TRIP steel	PH5100 PH51800 PH52000	

GALVANIZED & COATED SHEETS

GALVANIZED	
TYPE	GALVALUME STEEL COIL
THICKNESS (mm)	0.2-1.2
WIDTH (mm)	800-1250
ZINC / ALU-ZINC COATING (G/M2)	60-180
INSIDE DIAMETER (mm)	508/610
SURFACE STRUCTURE	Normal Finishing Zinc flower
SURFACE TREATMENT	Anti-Finger Printing, Chromated, oiled/non-oiled

GALVALUME STEEL COIL	
TYPE	GALVALUME STEEL COIL
THICKNESS (mm)	0.15-1.2
WIDTH (mm)	800-1250
ZINC / ALU-ZINC COATING (G/M2)	60-300
INSIDE DIAMETER (mm)	508/610
SURFACE STRUCTURE	Normal Finishing Zinc Flower/ Irregular Finishing Zinc Flower
SURFACE TREATMENT	Anti-Finger printing, Chromated, oiled/non-oiled

ELECTROLYTIC TIN PLATE

DIMENSIONS						
ITEM	TEMPER	THICKNESS	WIDTH	LENGTH	WEIGHT	INNER DIA
COIL	T1-T5 DR7-DR9	0.15 - 0.5mm	600 - 1050mm		3-8mt	508mm
SHEET	T1-T5 DR7-DR9	0.15 - 0.5mm	600 - 1050mm	600 - 1200mm	Max. 2mt	

CODE	GB/T 2520	JIS G3303	ASTM A623M	DIN EN10203	ISO11949
T-1	TH50+SE	T-1	T-1 (T49)	TS230	TH50+SE
T-2	TH52+SE	T-2	T-2 (T53)	TS245	TH52+SE
T-2.5	TH55+SE	T-2.5	T-2.5 (T55)	TS260	TH55+SE
T-3	TH57+SE	T-3	T-3 (T57)	TS275	TH57+SE
T-4	TH61+SE	T-4	T-4 (T61)	TH415	TH61+SE
T-5	TH65+SE	T-5	T-5 (T65)	TH435	TH65+SE
DR7	H71+SE	DR7	DR7 (T71)	TH520	H71+SE
DR8	H73+SE	DR8	DR8 (T73)	TH550	H73+SE
DR9	H76+SE	DR9	DR9 (T76)	TH620	H76+SE

STAINLESS STEEL SHEETS & PLATES

THICKNESS	0.30 mm to 60 mm
WIDTH	85 mm to 2050 mm
LENGTH	up to 6000 mm or as customer requirement
GRADE	304, 304L, 309, 310s, 316, 316L, 321, 430, 201, 202, 409, 410, 420
FINISH	No.1, 2B, BA, No.4, HL, No.8, SB

THICKNESS	30 mm - 100 mm
GRADE	304, 304L, 309, 310S, 316, 316L, 321, DUPLEX
FINISHES	NO.1, 2D

WIDTH		LENGTH		LENGTH		LENGTH		LENGTH		LENGTH	
(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
1000		2000				3000		6000		8000	
1220	48			2440	96	3050	120	6096	240	7316	288
1250				2500		3000		6000		8000	
1500						3000		6000		8000	
1524	60					3050	120	6096	240	7316	288
2000						4000		6000		8000	
2500								6000		8000	

WIDTH		LENGTH		LENGTH		LENGTH		LENGTH	
(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)
1000		2000				3000			
1220	48			2440	96	3050	120	6096	240
1250				2500		3000		6000	
1500						3000		6000	
1524	60					3050	120	6096	240
2000 - 2050						4000		6000	

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