



Henan Zongxiang Heavy Industry Import & Export Co., Ltd

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MINE ARCH SUPPORT PRODUCTS
STEEL RAILS

Henan Zongxiang Heavy Industry Import & Export Co., Ltd

Table of contents

COMPANY BRIEF INTRODUCTION	02
STEEL GRADE PARAMETERS	05
STEEL RAILS	07
U-CHANNEL STEEL & I-BEAM STEEL	17
MINE & TUNNEL ARCH SUPPORTS	19
OTHER MINING SUPPORT PRODUCTS	25
MARKET ORIENTATION	27



Company Brief Introduction

Henan Zongxiang Heavy Industry Import & Export Co., Ltd, established by experienced crew on the rail & track field, is a professional & reliable supplier that provides all kinds of rail & track accessories.

As an international trade subsidiary of Zhongxiang Steel Group Inc., was founded in 1997. We have more than two decades experience on this field, covering an area of 33,000 square meters, with about 300 employees, 4 production lines, 2 R & D department, and 5 quality control staff. With advanced technology, powerful processing capacity and excellent service, our products have been well recognized by our customers from domestic & overseas market.

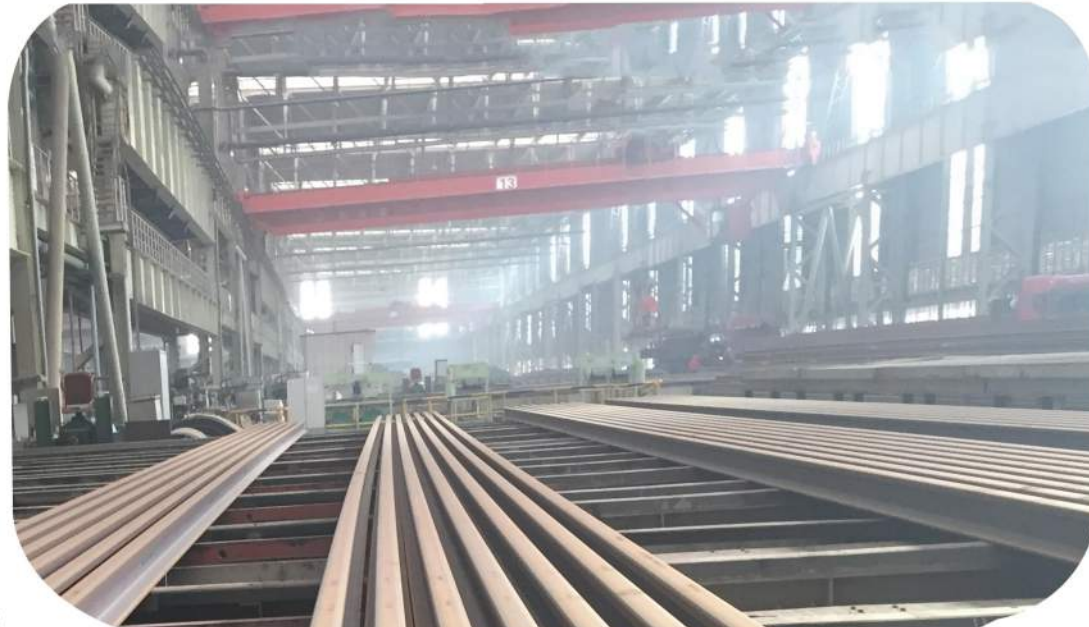
Our products mainly used by railroads, mining companies, heavy industries, overhead crane, railroad and tunneling industry, transit authorities, and operators of port facilities.

We have the inventory, resources, and experience to meet your needs. Main products in our whole Group include as below

- Steel rails
GB light rail, heavy rail, crane rail & other standard steel rails
- Railway accessories
turnout switch, fish plates, rail clip, rail clamp, track spike, rail bolt/nut/washer, rail pad and etc.
- Mining support products
steel arch support, mining anchor bolts, mining plastic composite net, plate washer and etc.
- other steel products
channel steel, angle steel, I-beam steel, mining I-beam steel, U-beam steel, H-beam steel, steel plate, etc.
- Steel processing

We try our best to treat every customer with the importance they deserve. We pride ourselves on being conscientious, reliable, and doing the right thing in every situation.





LARGE INVENTORY

FACTORY DIRECT SALES

HIGH PROCESSING CAPACITY

EXPERIENCED TECHNICS & STAFF

QUICK RESPONSE AROUND THE CLOCK





STEEL GRADE PARAMETERS

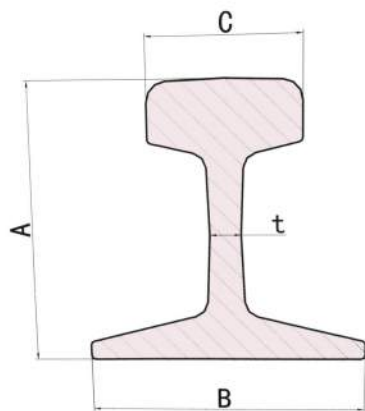
RAIL CHEMICAL COMPOSITION

Steel Grade	Chemical Composition						
	C	Si	Mn	P	S	Cr	V
Q235B	≤0.20	≤0.35	≤1.40	≤0.045	≤0.045	---	---
Q275B	≤0.22	≤0.35	≤1.50	≤0.045	≤0.045	---	---
55	0.52-0.60	0.17-0.37	0.5-0.8	≤0.035	≤0.035	---	---
30Mn	0.27-0.34	0.17-0.37	0.5-0.8	≤0.035	≤0.035	---	---
Q345B	≤0.20	≤0.50	≤1.70	≤0.035	≤0.035	---	---
50Q	0.40-0.60	0.15-0.35	≥0.40	≤0.040	≤0.040	---	---
55Q	0.50-0.60	0.15-0.35	0.60-0.90	≤0.040	≤0.040	---	---
50SiMnP	0.45-0.58	0.50-0.80	0.60-1.00	≤0.012	≤0.040	---	---
U71Mn	0.65-0.76	0.15-0.58	0.70-1.20	≤0.030	≤0.025	---	---
U75V	0.71-0.80	0.50-0.80	0.75-1.05	≤0.030	≤0.025	---	0.04-0.12
U76CrRE	0.71-0.81	0.50-0.80	0.80-1.10	≤0.025	≤0.025	0.25-0.35	0.04-0.08
900A	0.60-0.80	0.10-0.50	0.80-1.30	≤0.04	≤0.04	---	---
U20Mn	0.17-0.22	0.70-0.90	2.20-2.40	≤0.025	≤0.015	0.85-1.05	---

RAIL MECHANICS PROPERTY

Steel Grade	Tensile Strength Rm (N/mm ²)	Elongation A (%)	Hardness of the rail running surface, centre line ^c (HBW10/3000)
Q235B	370-500	≥26	V
Q275B	410-540	≥22	---
55	≥540	≥20	---
30Mn	≥645	≥13	---
Q345B	470-630	≥20	---
50Q	≥569	---	---
55Q	≥685	---	HBW≥197
50SiMnP	≥685	---	HBW≥197
U71Mn	≥880	≥10	260~300
U75V	≥980	≥10	280~320
U76CrRE	≥1080	≥9	310~360
900A	880-1030	≥10	260~300
U20Mn	1250-1400	≥9	≥380

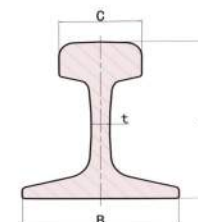
LIGHT RAIL



STANDARD: GB/T 11264-2012

Size	Specifications (mm)				Weight (kg/m)	Steel Grade	Length (m)
	A	B	C	t			
GB 6KG	50.8	50.8	25.4	4.76	5.98	Q235B	6
GB 8KG	65	52	25	7	8.42	Q235B	6
GB 9KG	63.50	63.50	32.10	5.90	8.94	50Q	5-12
GB 12KG	69.85	69.85	38.10	7.54	12.20	Q235B/55Q	5-12
GB 15KG	79.37	79.37	42.86	8.33	15.20	Q235B/55Q	5-12
GB 18KG	90.00	80.00	40.00	10.00	18.06	Q235B/55Q	5-12
GB 22KG	93.66	93.66	50.80	10.72	22.30	Q235B/55Q	5-12
GB 24KG	107.00	92.00	51.00	10.90	24.46	Q235B/55Q	5-12
GB 30KG	107.95	107.95	60.33	12.30	30.10	Q235B/55Q	5-12

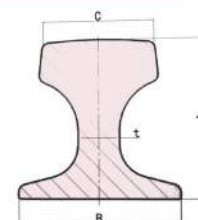
HEAVY RAIL



STANDARD: GB2585-2007

Size	Specifications (mm)				Weight (kg/m)	Steel Grade	Length (m)
	A	B	C	t			
GB 38KG	134	114	68	13.0	38.730	U71Mn	12.5-25
GB 43KG	140	114	70	14.5	44.653	U71Mn	12.5-25
GB 50KG	152	132	70	15.5	51.514	U71Mn	12.5-25
GB 60KG	176	150	73	16.5	60.64	U71Mn	12.5-25
GB 75KG	192	150	70	20	74.4	U71Mn	12.5-25

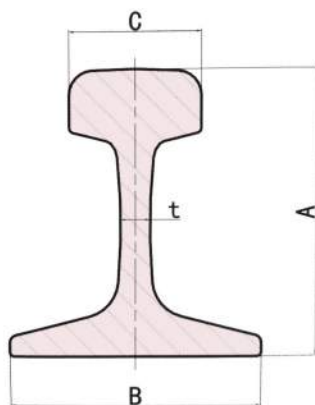
CRANE RAIL



STANDARD: YB/T5055-2014

Size	Specifications (mm)				Weight (kg/m)	Steel Grade	Length (m)
	A	B	C	t			
QU70	120	120	70	28	52.8	U71Mn	12
QU80	130	130	80	32	63.69	U71Mn	12
QU100	150	150	100	38	88.96	U71Mn	12
QU120	170	170	120	44	118.1	U71Mn	12

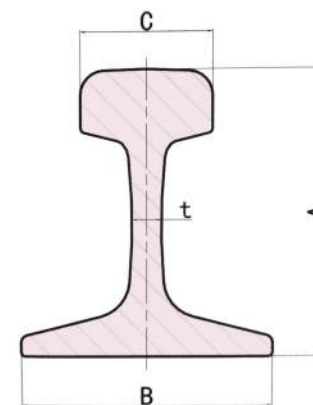
BRITISH STANDARD RAIL



STANDARD: BS11:1985

Size	Specifications (mm)				Weight (kg/m)	Steel Grade	Length (m)
	A	B	C	t			
BS50 O	100.01	100.01	52.39	10.32	24.833	700	6-12
BS60 A	114.30	109.54	57.15	11.11	30.618	900A	6-12
BS60 R	114.30	109.54	57.15	11.11	29.822	700	6-12
BS70 A	123.82	111.12	60.32	12.30	34.807	900A	6-12
BS75 A	128.59	114.30	61.91	12.70	37.455	900A	6-12
BS75 R	128.59	122.24	61.91	13.10	37.041	900A	6-12
BS80 A	133.35	117.47	63.50	13.10	39.761	900A	6-25
BS80 R	133.35	127.00	63.50	13.49	39.674	900A	6-25
BS90 A	142.88	127.00	66.67	13.89	45.099	900A	6-25
BS100 A	152.4	133.35	69.85	15.08	50.182	900A	6-25

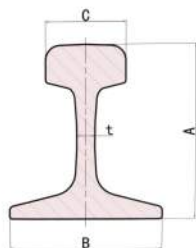
AMERICAN STANDARD RAIL



STANDARD: ASTM A1

Size	Specifications (mm)				Weight (kg/m)	Steel Grade	Length (m)
	A	B	C	t			
ASCE25	69.85	69.85	38.10	7.54	12.2	55Q	6.096-12.192
ASCE30	79.37	79.37	42.86	8.33	15.2	55Q	6.096-12.192
ASCE40	88.90	88.90	47.60	9.90	19.84	55Q	6.096-12.192
ASCE50	98.43	98.43	54.00	11.11	24.855	55Q	6.096-12.192
ASCE60	107.95	107.95	60.33	12.30	30.10	55Q	6.096-12.192
ASCE70	117.48	117.48	61.91	13.10	34.5	55Q	6.096-12.192
ASCE80	127.00	127.00	63.50	13.89	39.82	U71Mn	6.096-12.192
ASCE85	131.76	131.76	65.09	14.29	42.30	U71Mn	6.096-12.192

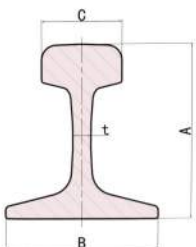
GERMAN RAILS SERIES STEEL RAILS



STANDARD: DIN5901:1995-11

Size	Specifications (mm)				Weight (kg/m)	Steel Grade	Length (m)
	A	B	C	t			
S14	80	70	38	9	14	55Q	6-12
S18	93	82	43	10	18.3	55Q	6-12
S20	100	82	44	10	19.8	RO700	6-12
S30	108	108	60.3	12.3	30.03	RO700	6-12

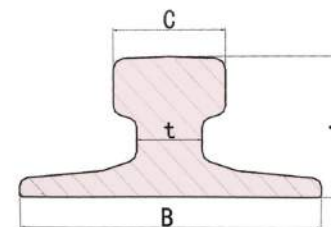
AMERICAN, AUSTRALIAN STEEL RAILS



STANDARD: AS1085

Size	Specifications (mm)				Weight (kg/m)	Steel Grade	Length (m)
	A	B	C	t			
AS47	141.3	127	70	14.3	46.5	U71Mn	12.5

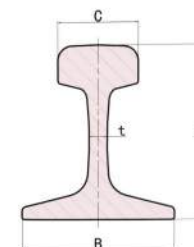
A SERIES OF STEEL RAILS IN GERMANY



STANDARD: DIN536-1-1991

Size	Specifications (mm)				Weight (kg/m)	Steel Grade	Length (m)
	A	B	C	t			
A55	65	150	55	31	31.8	50Mn	5-12
A65	75	175	65	38	43.1	50Mn	5-12
A75	85	200	75	45	56.2	50Mn	5-12
A100	95	200	100	60	74.3	50Mn	5-12
A120	105	220	120	72	100	50Mn	5-12

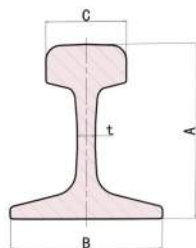
JAPANESE STANDARD RAIL



STANDARD: JIS E 1101-2001

Size	Specifications (mm)				Weight (kg/m)	Steel Grade	Length (m)
	A	B	C	t			
37A	122.24	122.24	62.71	13.49	37.2	U71Mn	12.5
50N	153	127	65	15	50.4	U71Mn	12.5~25

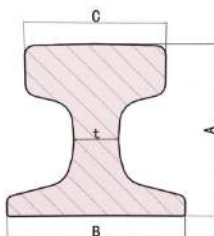
SOUTH AFRICA LIGHT RAILS



STANDARD: ISCOR

Size	Specifications (mm)				Weight (kg/m)	Steel Grade	Length (m)
	A	B	C	t			
22	95.25	95.25	50.01	9.29	22.542	55Q	9/9.144
30	109.54	109.54	57.15	11.50	30.25	55Q	9/9.144

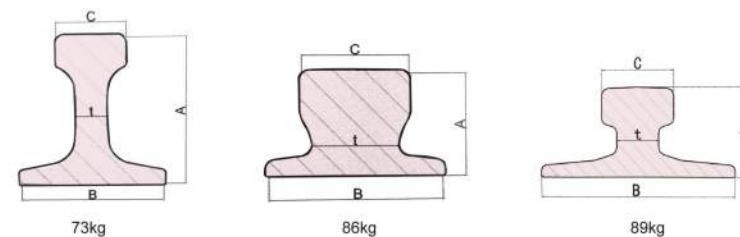
JAPAN & SOUTH AFRICA CRANE RAILS



STANDARD: JIS E1103-93/JIS E1101-93

Size	Specifications (mm)				Weight (kg/m)	Steel Grade	Length (m)
	A	B	C	t			
CR73	135	140	100	32	73.3	U71Mn	10-12
CR100	150	155	120	39	100.2	U71Mn	10-12

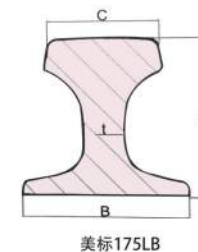
AUSTRALIA CRANE RAILS



STANDARD: AS1085

Size	Specifications (mm)				Weight (kg/m)	Steel Grade	Length (m)
	A	B	C	t			
73	157	146	70	32	73	77MnGr	14
86	102	166	102	80.3	85.5	77MnGr	12
89	114	178	102	51	89	77MnGr	12

AMERICAN CRANE RAILS



美标175LB

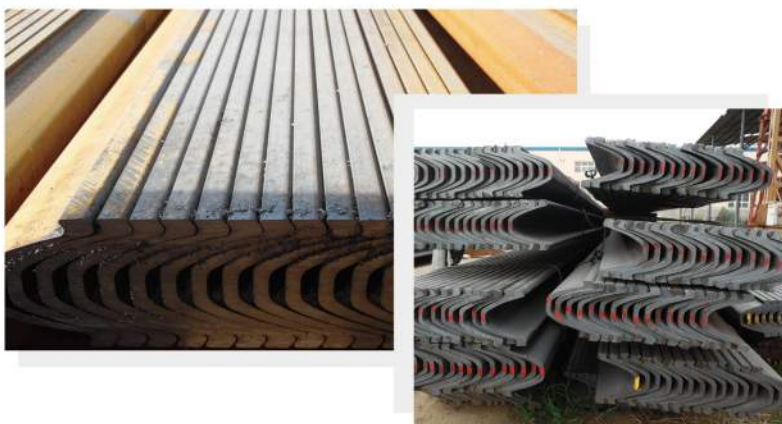
STANDARD: AREMA

Size	Specifications (mm)				Weight (kg/m)	Steel Grade	Length (m)
	A	B	C	t			
175LB	152.4	152.4	102.4	38.1	86.8	77MnGr	12.192

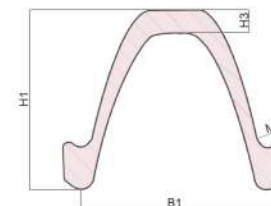


MINE STEEL MATERIALS

Our company can supply mine steel materials: U-channel Steel, I-Beam Steel according to different standards.



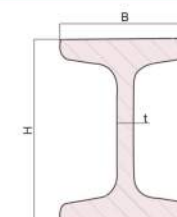
U-CHANNEL STEEL



STANDARD: GB/T 4697-2008

Size	Specifications(mm)				weight (kg/m)	Steel Grade	Length (m)
	H1	H3	B1	M			
25U	120.0	15	135	6.3	24.95	20MnK	6-12
25UY	110	17	134	6.6	24.76	20MnK	6-12
29U	124	16	150	7.2	29.00	20MnK	6-12
36U	138	17	171	7.8	35.87	20MnK	6-12
40U	141.9	20	171	8.5	40.05	20MnK	6-12

I-BEAM STEEL



STANDARD: KSE4002, YB/T 5047-2000

Size	Specifications(mm)			weight (kg/m)	Steel Grade	Length (m)
	H	B	t			
10	100	80	9	20.7	Q345B	5-10
11	110	90	9	26.05	Q345B	5-10
12	120	95	11	31.18	Q345B	5-10
13	130	100	12	35	Q345B	5-10

MINE & TUNNEL ARCH SUPPORTS



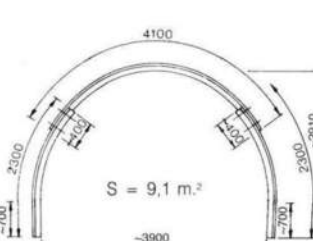
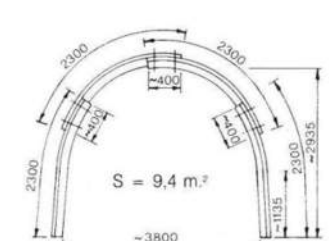
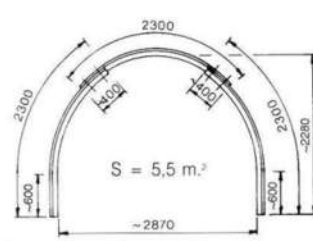
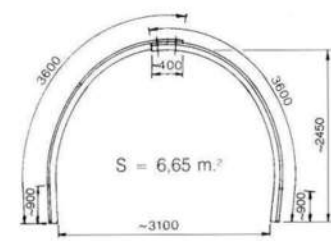
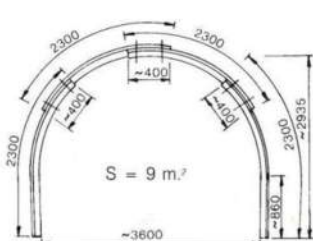
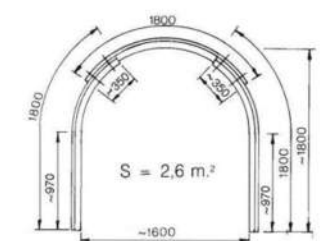
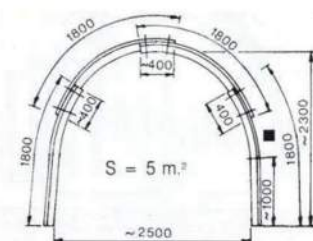
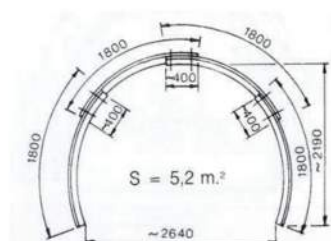
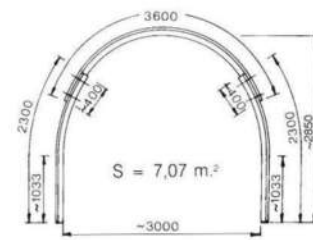
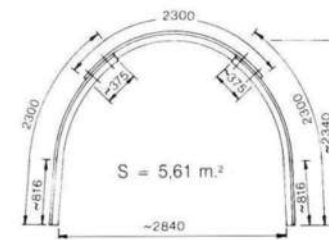
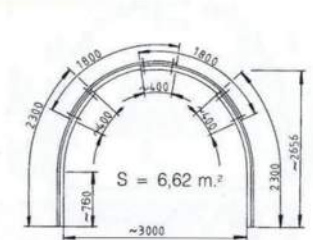
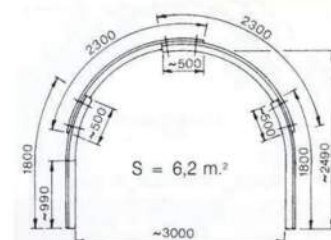
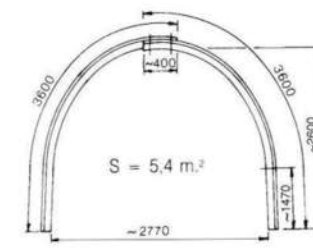
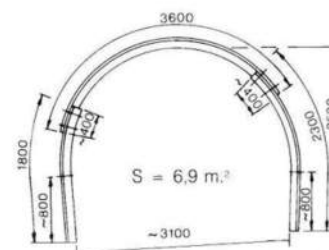
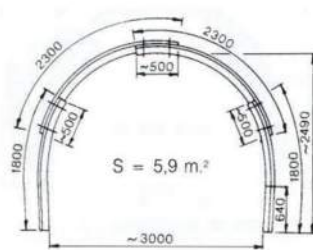
MINE & TUNNEL ARCH SUPPORTS

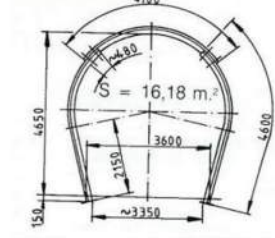
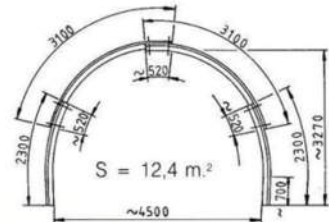
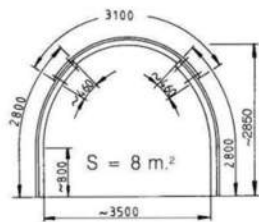
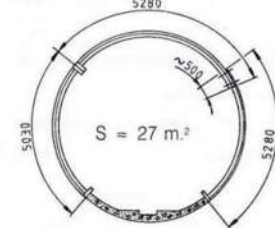
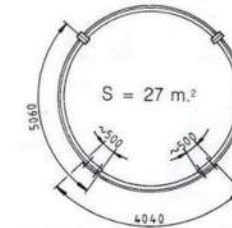
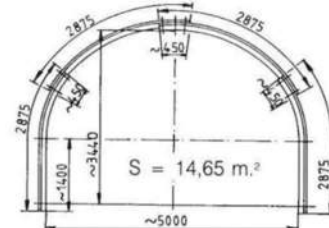
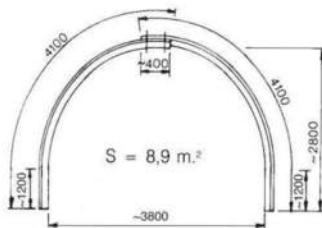
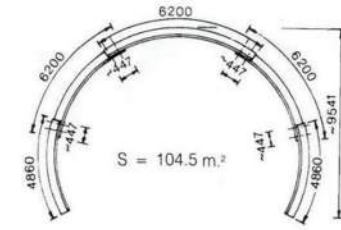
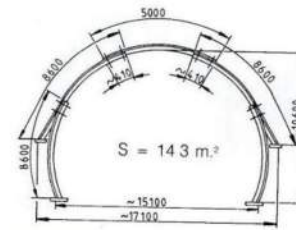
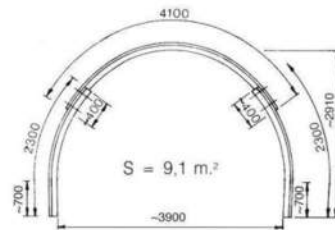
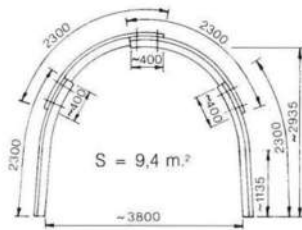
Steel arch supports are used for roof support or ground control where severe conditions are anticipated or to maintain critical areas of a mine or tunnel where roof bolting or cribbing is not sufficient or practical. Used in conjunction with Camber Lagging systems, arches can solve difficult conditions on a long-term basis.



TYPE	SIZE	APPERANCE	APPLICATION
U CHANNEL ARCH	18U 25U 29U 36U 40U	Semi-circular arch, Circular arch, Gothic arch, Banjo string arch, Combination radius arch	Coal mine, Steel mine, Gold mine, Aluminum mine, lead-zinc mine, Tunnel for railway, Road, Dam, and etc
I BEAM ARCH	9# 11# 12#	Trapezoid arch, Trapezoid flexible arch, Semi-circular arch	

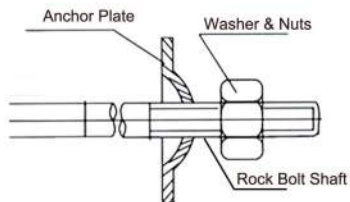
We can processing mine & tunnel arch based on the following drawings and your required drawings.





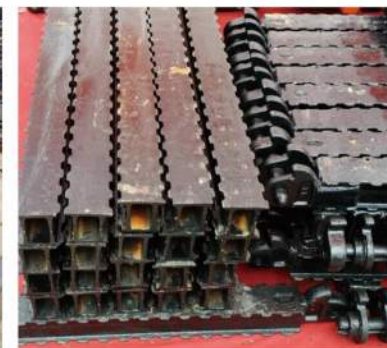
ANCHORS & ROCK BOLTS

Anchors and rock bolts, which are commonly assigned the general term "rock bolts", are used for rock reinforcement in Mining and Tunneling. Rock bolts limit the loosening of blocks out of the rock mass and shear displacements. Furthermore, the frictional force between individual rock layers is increased.



OTHER MINING SUPPORT PRODUCTS

Except mine & tunnel arch supports, anchors & rock bolts, we can also supply other mining support products: Arch Clamp, Anchor Net, Anchor Washer/Plate, connection plate/rod, W-section Strap, T-section Strap, π Steel, and etc. Also we can process according to your drawings.





ZHONGXIANG STEEL GROUP

Market Orientation



Longevity



*Advancing forward, keeping improving,
creating a bright future with users.*