clik

Crane Rails

BUREAU VERITAS

ISO 9001

ABOUT CLIK

Who we are?

CLIK is a solution provider for projects and special steel users.

CLIK is one of the leading suppliers of crane rails and accessories, serving both mature and developing markets in the aim of adding value for customers.

What we do?

a) Providing a variety of crane rails carefully hardened for tough working conditions.
b) Flexible combination of Engineering, Procurement and Construction.
c) Offering cost-effective solution to your projects through our integration of the supply chain.
d) Supplying bespoke sizes, grades and fully functional solutions to crane rails.

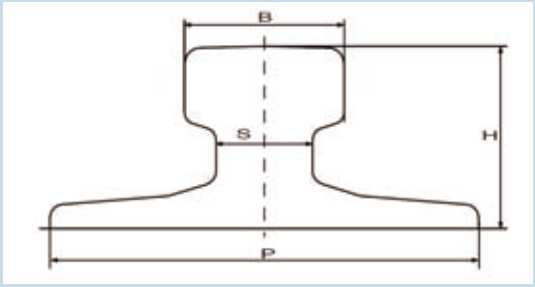
Why CLIK Crane Rails?

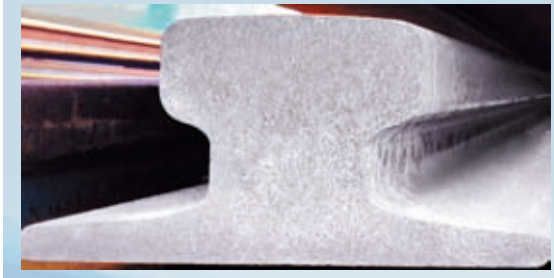
a) Trusted quality. Mature quality control from raw material sourcing, drilling, clipping to civil works.
b) One-stop solution with full dimensions and grades of rails and accessories available.
c) New product development for your bespoke sizes and grades.
d) Professional team with 25+ years' experience and proven supply records.

Success

- ✓ Shanghai Yangshan Deep-water Port Project (Phase IV)- the world's largest port project. CLIK supplied 4650 MTs of crane rails of European origin as a complete set, superior in quality with clips and pads from Gantrex.
- ✓ Shanghai Jinshan nuclear power plant where A65 crane rails were supplied with guaranteed life as long as 18 years.

DIN CRANE RAILS





Grades available (Mpa): 690/880/1080
Hardness available (HB): 220/260/340

The DIN "A" type rails (standard European profile) are rolled based on the DIN 536/1991 Specification. The "A" rails, with their wide base, low center of gravity and wide web, are ideal for high side thrusts. They are available in several sizes from A45 to A150 whose numbers represent the width of the head in mm. In the past, these rails were offered in two types of steel: 700 and 900.

Recently, a progressive increase of the vertical loads of cranes applied in some special projects has led to the mounting requirement for rails with improved hardening surface. These rails are rolled in 1080Mpa grade steel whose chemical composition and mechanical properties are not governed by the DIN 536/1991 Specification.

SIZE	STANDARD	B (MM)	P (MM)	S (MM)	H (MM)	KG/M
A45	DIN536 P1:1991	45	24	125	55	22.1
A55	DIN536 P1:1991	55	31	150	65	31.8
A65	DIN536 P1:1991	65	38	175	75	43.1
A75	DIN536 P1:1991	75	45	200	85	56.2
A100	DIN536 P1:1991	100	60	200	95	74.3
A120	DIN536 P1:1991	120	72	220	105	100
A150	DIN536 P1:1991	150	80	220	150	150.3

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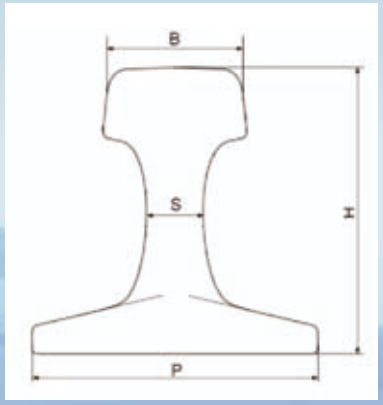
NORTH AMERICAN CRANE RAILS

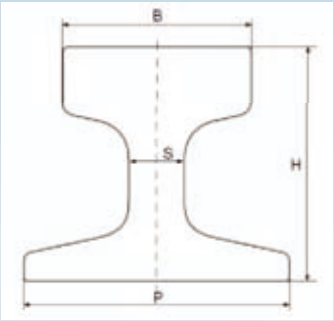


Crane Rails under American Standards (CR 104 to CR 175) are rolled based on the technical specification ASTM A759-2000 and are offered in either Standard Grade (Control Cooled) or Head Hardened.

The ASTM A759-2000 specification is applied only to type CR crane rails with a nominal mass of 51.6 kg/meter to 86.8 kg/meter.

SIZE	STANDARD	B (MM)	S (MM)	P (MM)	H (MM)	KG/M
CR104 (MRS51)	ASTM A759-2000	63.5	25.4	127	127	51.59
CR105 (MRS52)	ASTM A759-2000	65.1	23.8	131.8	131.8	52.09
CR135 (MRS67)	ASTM A759-2000	87.3	31.7	131.8	146	66.97
CR171 (MRS85)	ASTM A759-2000	109.2	31.7	152.4	152.4	84.83
CR175 (MRS87B)	ASTM A759-2000	107.9	38.1	152.4	152.4	86.8

MRS CRANE RAILS



European MRS series crane rails, with MRS73 to MRS221 widely used in port terminals, mines, etc.
Produced according to mill standard.

SIZE	STANDARD	B (MM)	S (MM)	P (MM)	H (MM)	KG/M
MRS73	MILL STANDARD	70	32	146	157	73.60
MRS86	MILL STANDARD	102	80.3	165	102	85.50
MRS87A	MILL STANDARD	101.6	34.9	152.4	152.4	86.80
MRS125	MILL STANDARD	120	40	180	180	125.00
MRS192	MILL STANDARD	140	128.3	229	157.2	192.00
MRS221	MILL STANDARD	220	145	220	160	221.40

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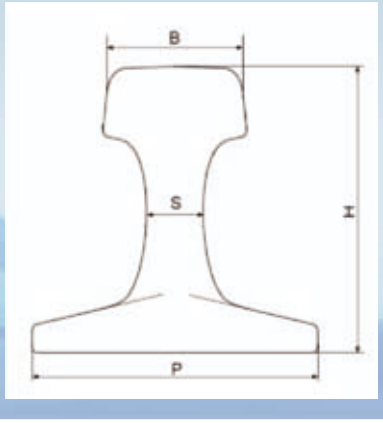
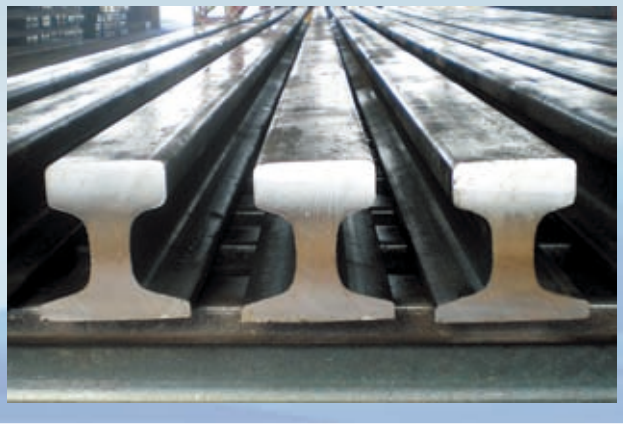
SPECIAL CRANE RAILS





SIZE	STANDARD	B (MM)	S (MM)	P (MM)	H (MM)	KG/M
CR73	MILL STANDARD	100	32	140	135	73.30
CR89	MILL STANDARD	102	51	178	114	89.80
CR100	MILL STANDARD	120	39	155	150	100.20
CRS140	MILL STANDARD	150	80	200	150	139.80
AS86	MILL STANDARD	101.6	35	150	152.46	85.88
JKL55	MILL STANDARD	55	25	100	85	28.60
SP100	MILL STANDARD	100	38	150	150	89.05
SP120	MILL STANDARD	120	44	170	170	118.28
UIC50	UIC860	70	15	125	152	50.46
UIC54	UIC860	70	16	140	159	54.43
UIC60	UIC860	74.3	16.5	150	172	60.21

ASCE TEE RAILS

SIZE	STANDARD	B (MM)	S (MM)	P (MM)	H (MM)	KG/M
ASCE25	MILL STANDARD	38.1	7.54	69.85	69.85	12.43
ASCE30	MILL STANDARD	42.86	8.33	79.38	79.38	14.91
ASCE40	MILL STANDARD	47.62	9.92	88.9	88.9	19.84
ASCE60	MILL STANDARD	60.3	12.3	108	108	29.76
ASCE80	MILL STANDARD	63.5	13.69	127	127	39.98
ASCE85	MILL STANDARD	65.09	14.29	131.76	131.76	42.17

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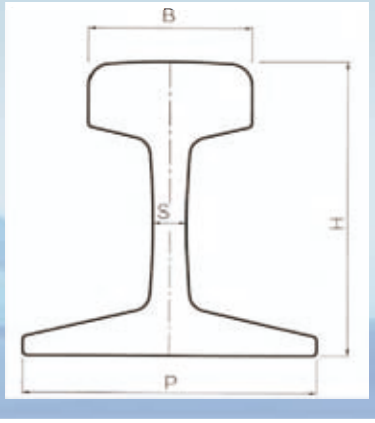
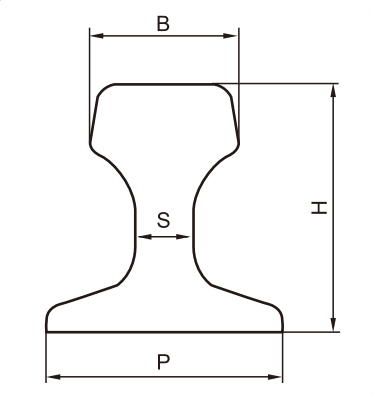
JIS RAILS



SIZE	STANDARD	B (MM)	S (MM)	P (MM)	H (MM)	KG/M
37A	JIS E1101:2001	62.71	13.49	122.24	122.24	37.20
40N	JIS E1101:2001	64	14	122	140	40.90
50N	JIS E1101:2001	65	15	127	153	50.40
60	JIS E1101:2001	65	16.5	145	174	60.80

CHINESE GB RAILS



SIZE	STANDARD	B (MM)	S (MM)	P (MM)	H (MM)	KG/M
QU60	YB-T5055-93	73	16.5	150	176	60.64
QU70	YB-T5055-93	70	28	120	120	52.80
QU80	YB-T5055-93	80	32	130	130	63.60
QU100	YB-T5055-93	100	38	150	150	88.96
QU120	YB-T5055-93	120	44	170	170	118.10
8KG	Q/YG01:2014	25	7	54	65	8.42
12KG	GB11264:2012	38.1	7.54	69.85	69.85	12.20
15KG	GB11264:2012	42.86	8.33	79.37	79.37	15.20
18KG	GB11264:2012	40	10	80	90	18.06
22KG	GB11264:2012	50.8	10.72	93.66	93.66	22.30
24KG	GB11264:2012	51	10.9	92	107	24.95
30KG	GB11264:2012	60.33	12.3	107.95	107.95	30.10
38KG	GB2585:2007	68	13	114	134	38.73
43KG	GB2585:2007	70	14.5	114	140	44.65
50KG	GB2585:2007	70	15.5	132	152	51.51

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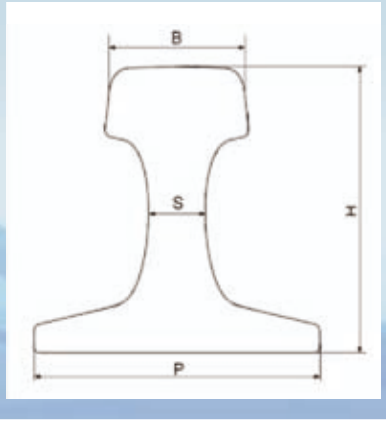
TRANSPORTATION RAILS SHEET-1



RAIL TYPE	STANDARD	B (MM)	S (MM)	P (MM)	H (MM)	KG/M
EUROPEAN STANDARDS						
39E1 (BS 80A)	EN13674-4	67	12	125	138	39.77
45E3 (RN 45)	EN13674-4	66	15	130	142	44.79
45E1 (BS 90A)	EN13674-4	66.67	13.89	127	142.88	45.11
46E2 (U33)	EN13674-1	62	15	134	145	46.27
49E1 (S49)	EN13674-1	67	14	125	149	49.39
49E5	EN13674-1	67	14	125	149	49.13
50E6 (U50)	EN13674-1	65	15.5	140	153	50.9
54E1 (UIC54)	EN13674-1	70	16	140	159	54.77
54E2 (UIC54E)	EN13674-1	67	16	125	161	53.82
54E3 (S54)	EN13674-1	67	16	125	154	54.57
54E4	EN13674-1	67	16	125	154	54.31
60E1 (UIC60)	EN13674-1	72	16.5	150	172	60.21
60E2	EN13674-1	72	16.5	150	172	60.03
AUSTRALIAN STANDARD						
AS60	AS1085.1	70	16.5	146	170	60.6
AS68	AS1085.1	74.6	17.5	152.4	185.7	67.5

TRANSPORTATION RAILS SHEET-2

RAIL TYPE	STANDARD	B (MM)	S (MM)	P (MM)	H (MM)	KG/M
BRITISH STANDARD						
BS 100A	BS 11	69.9	15	133.3	152.4	50.18
RUSSIAN STANDARD						
R50 (P50)	GOST	70	15.5	132	152	51.8
R65 (P65)	GOST	73	18	150	180	64.88
CHINESE STANDARD						
P43	GB2585:2007	70	14.5	114	140	44.65
P50	GB2585:2007	70	15.5	132	152	51.51
P60	GB2585:2007	73	16.5	150	176	60.64
P75	GB2585:2007	75	20	150	192	74.41
AMERICAN STANDARD						
90ARA-A(TR45)	AREMA	62.65	14.3	130.2	142.9	44.65
100RE	AREMA	68.3	14.3	136.5	152.4	50.35
115RE (TR57)	AREMA	67.98	15.87	139.7	168.27	56.89
119RE	AREMA	67.5	15.9	139.7	173.1	58.93
132RE	AREMA	76.2	16.7	152.4	180.9	65.58
136RE (TR68)	AREMA	74.6	17.5	152.4	185.7	67.5
141AB	AREMA	77.8	17.5	152.4	188.9	69.88
100ARA-B	AREMA	67.5	14.3	130.6	143.3	49.64
ASCE STANDARD						
85	ASCE	65.1	14.3	131.8	131.8	42.15

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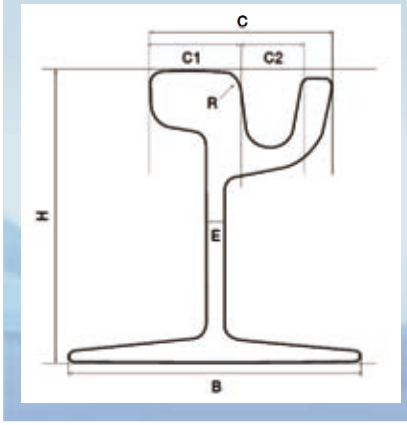
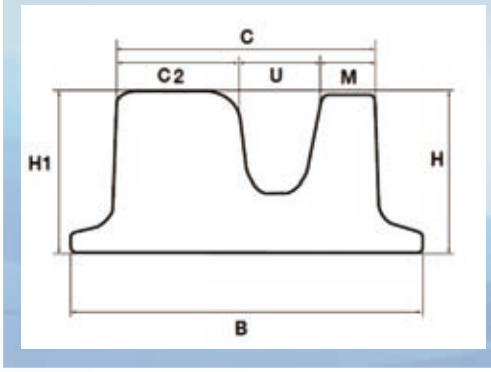
TRAM RAILS



RAIL TYPE	STANDARD	H (MM)	B (MM)	C (MM)	C1 (MM)	C2 (MM)	E (MM)	R (MM)	WEIGHT KG/MTR
GROOVED RAIL									
60R1	EN14811	180	180	113	56	36	12	10	60.59
60R2	EN14811	180	180	113	55.8	36.3	12	13	59.74
55R1	EN14811	150	150	113	56	36	12	13	55.45
59R1	EN14811	180	180	113	56	42	12	10	58.97
59R2	EN14811	180	180	113	55.8	42.5	12	13	58.14
54R2	EN14811	152.5	141.5	115.6	56.2	41	13	13	54.25
T58	GOST	180	150	107	58	35	12	9	57.59
T62	GOST	180	150	116	58	35	12	9	62.05



RAIL TYPE	STANDARD	H (MM)	H1 (MM)	B (MM)	C (MM)	C2 (MM)	M (MM)	U (MM)	WEIGHT KG/MTR
BLOCK RAIL									
LK1	AT/09-2011-0116-01	70	73	156	115	56	23	36	57.68

CLIPS-SHEET 1

CLIK® provide a variety of clips to fit different sizes of rails, including DIN Rail, MRS Rail, ASCE Rail, US Crane Rail,etc. CLIK clips are fixed through bolted or welded base. Backed by our 25-year experience in large scale projects and customer service, we are able to support you to utmost.

Weldable Type

REF NO.	HEIGHT OF CLIP TOP (MM)	LATERAL ADJUSTMENT (MM)	SIDE LOAD MAX. (KN)	WEIGHT (KG)
1116/15/30	30	15	120	0.78
1116/15/38	38	15	120	0.81
1116/15/45	45	15	120	0.84
1120/12/38	38	12	120	0.90
1120/12/41	41	12	120	0.90
1216/15/38	38	15	165	1.64
1216/15/45	45	15	165	1.64
1220/20/40	40	20	235	2.18
1220/20/45	45	20	235	2.20
3124/15/40	40	20	140	0.73
3124/15/53	53	20	140	0.82
9116/08/29	29	8	55	0.72
9116/08/37	37	8	55	0.73
9116/10/25	25	10	40	0.67
9116/10/32	32	10	40	0.69
9120/15/38	38	15	120	1.30
9120/15/41	41	15	120	1.33
9120/15/47	47	15	120	1.40
9120/20/40	40	20	120	1.53
9216/08/40	40	8	165	1.35
9216/08/44	44	8	165	1.37
9220/20/40	40	20	235	2.48
9220/20/45	45	20	235	2.50
9220/20/52	52	20	235	2.62
9220/20/61	61	20	235	3.10
9220/30/44	44	30	300	3.98

FEATURES:

1) Adjustable fixing of rails with or without pad

2) Designed to carry high forces for tough working conditions with long life expectancy

3) A system allows an easy lateral adjustment of the rail

4) Easy positioning, installation and maintenance

5) The elastomer nose increases tolerances of the rail support structure, reduces stress of the connections, and allows a better fixing of the rail

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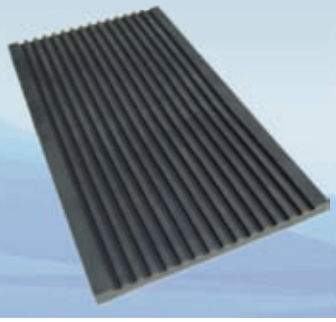
CLIPS-SHEET 2

Boltable Type

REF NO.	HEIGHT OF CLIP TOP (MM)	LATERAL ADJUSTMENT (MM)	SIDE LOAD MAX. WITH GRADE 8.8 BOLTS (KN)	SIDE LOAD MAX. WITH GRADE 10.9 BOLTS (KN)	WEIGHT (KG)
3112/10/24	24	10	21	-	0.27
3112/10/31	31	10	21	-	0.29
3116/10/25	25	10	38	50	0.32
3116/10/32	32	10	38	50	0.38
3120/15/35	35	15	75	100	0.70
3120/15/40	40	15	75	100	0.83
3124/15/40	40	15	125	140	0.73
3124/15/53	53	15	125	140	0.82
3124/20/42	42	20	125	140	0.96
3224/20/42	42	20	250	-	2.10
3224/20/57	57	20	250	-	2.45
3226/15/40	40	15	250	-	1.50
6124/20/28	28	20	125	-	0.90
6124/20/31	31	20	125	-	0.93
7120/10/35	35	10	75	100	0.69
7120/10/38	38	10	75	100	0.77
7120/10/48	48	10	75	100	0.98

PADS



CLIK® elastomer pads are designed for soft mounting system to reduce shock and vibration. CLIK supply pads for both continuously and discontinuously supported systems.

CK 7 (For Continuous Rail Support)	Material	Nitrile rubber
	Shore hardness (ISO 48:1994)	75 ± 5 IRHD
	Tensile strength (ISO 37:1994)	15 N/mm^2
	Elongation (ISO 37:1994)	240%
	Compression set (ISO 815:1991)	5% Max @ 23°C
	Rebound resilience(ISO 4662:1986)	27%
	Temperature range	-25°C to +100°C

CK 2 (For Discontinuous Rail Support)	Material	EVA copolymer
	Compressive stress(max)	15 N/mm^2
	Shore hardness (ISO 868 A scale)	95 IRHD
	Tensile strength (ISO R 527)	15 Mpa
	Elongation at break (ISO R 527)	750%
	Elastic modulus (ISO R 527)	100 Mpa
	Temperature range	-25°C to +75°C

BUREAU VERITAS

QUALITY CONTROL PROCESS

CERTIFICATES

Supplier Assessment

Supplier Assessment Certificate

Certification No. 11644157_T

Steel Clik (Shanghai) Limited

上海钢客电子商务有限公司

http://clik.en.alibaba.com

Onsite assessment of the following areas was conducted by Bureau Veritas :

Company Overview	Human Resources
Current Export Situation	Export Business Capacity
Quality Assurance	Company Development/Expansion Plans
Certification & Photos	Company and Product Samples

Valid: 25 May 2016 to 24 May 2017

Issued by: Alibaba.com
Date of Issue: 25 May 2016

Assessed by:
Certificate No. 11644157_T

Signature:

Title:

BV ASSESSMENT

The Authentication Certificate of Quality Management System

CLIK LIMITED (REPRESENTED BY STEEL CLIK (SHANGHAI) LIMITED)

Is in conformity with

GB/T19001-2008/ISO9001:2008 standard requirements

The certificate is valid for the following scope:

Sales and distribution of metal products, spare parts of mechanical and electrical equipment and refractories for metal-making

Registration No. of Certificate:
Date of the Awarded Certificate: 23-05-2016
Term of the Certificate's Validity: 23-05-2016-22-03-2019
Date of the First Authorization: 23-05-2016
Enterprise Organization Code:

The first surveillance | Mark stick here | The second surveillance | Mark stick here

IAF

CNAS

MANAGEMENT SYSTEM

General Manager:

ISO9001

BUREAU VERITAS

AWARDS

SHANTUI

PREMIUM SUPPLIER AWARD FOR

CLIK LTD.

March 16, 2016

As a world's top and the largest dozer manufacturer, we, hereby present to CLIK LTD an award of PREMIUM SUPPLIER in 2015-2016. As a professional supplier of track shoes and parts, CLIK LTD have never disappointed us in any delivery no matter how difficult and urgent it was. Shantui team cannot appreciate more for CLIK LTD's professional support and service, especially for their cooperation in developing the new model dozer SD90-5.

Zhong Lei

Director Purchase

Shantui Corp.

PREMIUM SUPPLIER AWARD BY SHANTUI

LETTER OF APPRECIATION

14th APRIL, 2016

THIS IS TO RECOGNIZE AND APPRECIATE THE ALL-OUT EFFORTS TAKEN BY CLIK TEAM TO SUPPLY STEEL PRODUCTS AND SERVICES TO US FOR YAMAL, THE WORLD LARGEST LNG PROJECT LOCATED IN RUSSIA. STEEL CLIK SUPPLIED 2097MT HOLLOW SECTIONS WITH ULTRA LOW CHARPY IMPACT VALUE SUITABLE FOR LOW TEMPERATURE OPERATIONS

CLIK TEAM'S EXPERTISE, PASSION AND PURSUIT OF PERFECTION IS GREATLY IMPRESSIVE AND HIGHLY APPRECIATED BY YAMAL PROJECT TEAM.

BEST REGARDS,

Purchase Supervisor

LU JUNQI

Tianjin Bomesc Offshore Engineering Co.,Ltd.

APPRECIATED BY BOMESC

OUR NETWORK

Rails & Accessories Plant

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Shanghai Office

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For more information, welcome to visit:

Rails & Accessories	www.clikrails.com
Steel	www.steelclik.com

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CLIK TEAM

CARRYING YOUR EXPECTATION FURTHER

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International Organization for Standardization ISO 9001