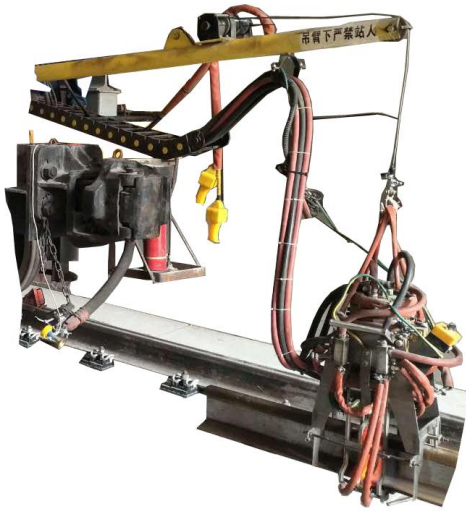


# Product sample

试用水印

**XSR-150-D型集装箱式热处理装置（正火车）**  
**XSR-150-D Container Heat treatment Unit (Train)**



项目	参数名称	单位	参数
运用条件	海拔高度	m	≤2000
	相对湿度	%	≤80
	环境温度	℃	-10~+40
	线路最大超高	mm	180
	线路最大坡度	%	33
	钢轨类型	kg/m	60 或选配 50、75
整机性能	整机尺寸（长×宽×高）	mm×mm×mm	6032×2438×2770
	整机质量	t	7
	发电机组额定功率	kW	120
作业性能	电源类型	—	380V±40V（AC），50Hz
	中频正火频率	kHz	1.6~2.5
	中频正火功率	kW	0~100
	加热温度	℃	850~950
	加热时间	s	150~240
	初始喷风压力	Mpa	0~0.6
	轨头与轨底脚温差	℃	≤70
KPX-7 平车性能	平车载重	t	7
	适合轨距	mm	1435
	轮对内侧距	mm	1353±2
	地板面高	mm	880±10
	车钩中心高	mm	880±10
	底架长×宽	m×m	7×2.5
	车轮直径	mm	650
	可通过最小曲线半径	m	60
	自行速度	km/h	5
	连挂速度	km/h	20
	制动方式	/	手制动及空气制动
	车钩型式	/	13号

## Nfb-600-1p (special for plain rail)/NFB-600-1G (special for high-speed rail) type internal combustion stud wrench

- ▶ The machine is simple and beautiful, compact in appearance, light in weight and light in operation
- ▶ It is flexible, whether tightening or loosening the sleeper nut, it can be
  - Work on both sides of the rail at the same time, high efficiency;
- The whole machine adopts a fully enclosed oil tank, Good, wear-resistant, long life. Machine carefully designed
- High degree, good rigidity, less failure, suitable for use in environment;
- The output tightening torque range is large, when To adjust the reservation, and accurate, stable, ;
- The nut sleeve adopts the universal floating connection
- It can easily fit into the sleeper bolt and nut. In When the sleeve is stuck with the sleeper bolt and nut
- The sleeve is quickly separated from the equipment
- Quickly lift the main engine outside the railway
- Secure;
- The double head sleeper internal combustion wrench
- In the linear and curved track lines with various types of rail, the sleeper fasteners are constructed and maintained efficiently, stably and safely. Products meet the TB/T3099 "sleeper bolt motor wrench general technical conditions" requirements



型 号		NLB-600-1P (普铁专用)	NLB-600-1G (高铁专用)
汽油机	发动机	三庚发动机	三庚发动机
	功率 (hp)	7HP	7HP
扳手参数	转速 (rpm)	3500~3600	3500~3600
	套筒数量 (个)	2	2
	套筒转速 (rpm)	136	136
	套筒中心距 (mm)	214	234
	旋紧扭矩可调 (N. m)	80~350	80~350
	最大旋松扭矩 (N. m)	≥600	≥650
	工作效率 (秒/颗)	≤3	≤3
	照明	有	有
	换向操纵杆	换向	换向
	上、下道时间 (min)	<1	<1
	绝缘性能 (MΩ)	>2	>2
外形尺寸 (mm)	825×585×975	825×585×975	
整机	质量 (kg)	70	73

## YLB-700-1G hydraulic stud wrench (digital display/pointer type)

tightening at low torque, increased resistance torque, automatic

Switch to high torque low speed;

Torque visual display, night lighting (using LED hair

Photodiode), convenient and efficient;

The machine is powered by gasoline engine and carried out by hydraulic system

Drive and precise control, is the railway new and old lines, special

Especially the high-speed railway line is very suitable for construction and maintenance

Trade machinery;

The machine hydraulic system adopts advanced technical principles,

Achieves high speed tightening when the torque is small, and increases when the drag torque

Large to a certain automatic switch to large torque low speed, so that the liquid

The pressure wrench can output more tightening torque;

The wear and tear of the mechanical part of the hydraulic wrench will not be affected

Hydraulic wrench accurate tightening torque output and display;

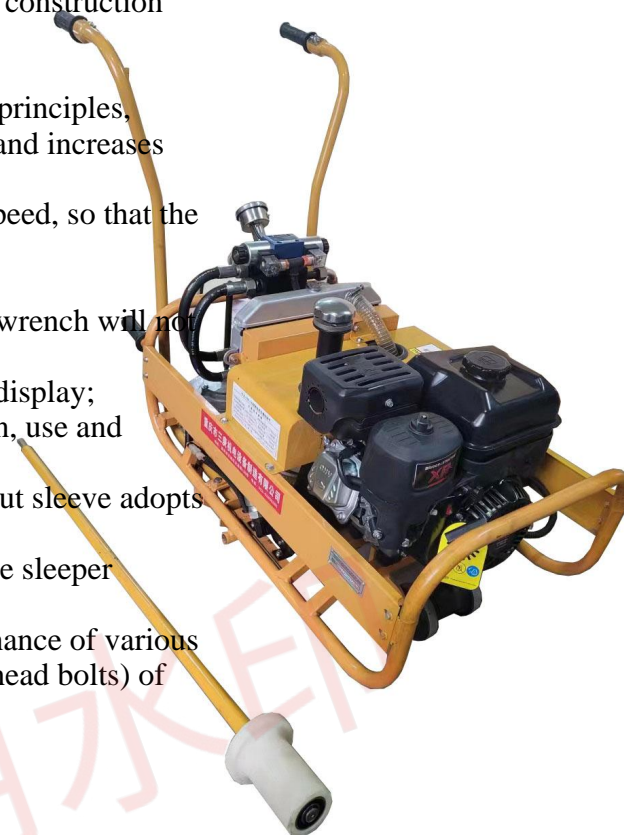
The wrench is double-head type, high efficiency, operation, use and adjustment

The section is very convenient and light in weight. The nut sleeve adopts 10,000

The floating mode makes it easier to insert or detangle the sleeper

Mother, sleeve stroke is convenient to change;

This machine is suitable for the construction and maintenance of various specifications of tie nuts and bolts (including rectangular head bolts) of various types of railway rail.



型 号		YLB-700-1G
汽 油 机	功率 (hp)	百力通 6.5HP
	转速 (rpm)	3400~3600
扳 手 参 数	套筒数量 (个)	2
	套筒转速 (rpm)	≥120
	套筒中心距 (mm)	214/234±0.5
	套筒升降行程 (mm)	≥80
	旋紧扭矩可调 (N.m)	80~350
	最大旋松扭矩 (N.m)	700
	工作效率 (秒/颗)	<4
	照明	有
	换向操纵杆	换向
	上、下道时间 (min)	<1
	绝缘性能 (MΩ)	>2
外形尺寸 (mm)	970*495*640mm	
整机	净重 (kg)	100kg

## CPH-25T(one tow two)/CPH-240TSG(one tow four) type switch laying unit

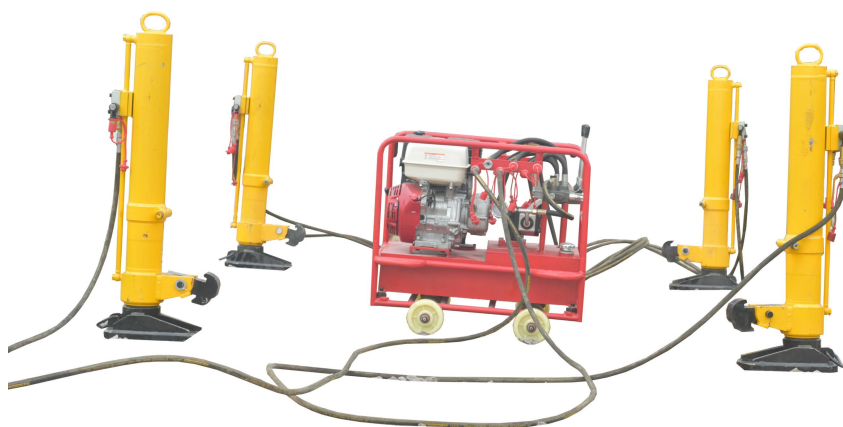
CPH-25T type switch laying unit basic configuration instructions: an internal combustion hydraulic pump station (a tow type 2), with two special hydraulic cylinder (including rail top clamp, rail bottom hook, etc.), 3 meters long hydraulic hose 4.

CPH-240TSG type switch laying unit basic configuration instructions: an internal combustion hydraulic pump station (four types of a tow), with 4 special lifting hydraulic cylinders (including rail top clamp, rail bottom hook, etc.), 6 meters long hydraulic hose 8.

型 号	CPH-25T	CPH-240TSG
动力型式	170F 三庚动力、GX160 本田动力	188F 三庚动力、GX390 本田动力
液压系统额定工作压力	16Mpa	18Mpa
油泵额定排量	4ml/r	25L/Min
油箱容积	约 24L	约 38L
最大起道高度	700mm	700mm
单缸起升力	125KN	200KN
油缸单重	80kg	80kg
泵站重量	90kg (含油)	95kg (含油)



In tow



A drag of four



Hydraulic automatic walking small trolley

Hydraulic automatic walking big car



dolly

jumbo

ND-4.2\*4/2 type one tow four/two high frequency flexible shaft tamper

型号	ND-4.2*4	ND-4.2*2
汽油机功率 (HP)	13.5HP 188F 三庚动力	7HP 170F 三庚动力
振动频率 (HZ)	150	150
振幅 (mm)	1.25	1.25
激振力 (KN)	4.2*4	4.2*2
重量 (kg)	140	65



## YD-22 type line tamper

型 号	YD-22	YD-22	YD-22
动力	188F 三庚动力	GX390 本田动力	190F 柴油风冷动力
功率 (HP)	13.5	13	10
转数 (转/分)	2300	2300	2300
液压系统 工作压力 (MPa)	5.5-6	5.5-6	5.5-6
震动频率 (Hz)	65-66	60-70	65-66
激振力 (kN)	22	22	22
最大下插力 (kN)	16	16	16
夹实力 (kN)	7.2*2	7.2*2	7.2*2
下插深度 (mm)	110±10 (轨枕底面以下)	110±10 (轨枕底面以下)	110±10 (轨枕底面以下)
生产效率 (根/组·小时)	≥270	≥260	≥270
主机净重 (kg)	395	390	395
外形尺寸 (mm)	1460*725*1650	1450*700*1650	1460*725*1650
作业形式	双缸升降	双缸升降	双缸升降
行走架轨距 (mm)	1435 (特殊需要提货要说明)	1435 (特殊需要提货要说明)	1435 (特殊需要提货要说明)

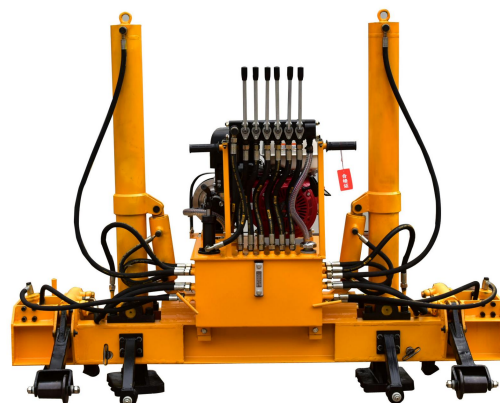


## YCD-4 hydraulic switch tamper

型 号	YCD-4	YCD-4
发动机	W300 三庚动力	GX270 本田动力
振动频率 (Hz)	60~67	60~67
激振力 (KN)	31.5	31.5
系统工作压力 (Mpa)	4+0.5	4+0.5
液压油牌号	N32 液压油	N32 液压油
工作效率	1 组道岔/30~40 分钟	1 组道岔/30~40 分钟
普通线路	240 根枕木/小时 (正常操作情况下)	240 根枕木/小时 (正常操作情况下)
外形尺寸 (mm)	1350×520×1650	1350×520×1650
主机质量 (kg)	300	300

## YQBJ-300 hydraulic track lifting machine

型 号	YQBJ-300	YQBJ-300
发动机功率 (HP)	188F 13.5HP 三庚动力	GX390 13HP 本田动力
系统工作压力 (Mpa)	19.5	19.5
最大起道力 (KN)	150×2	150×2
起道量 (mm)	≤800	≤800
最大拨道力 (KN)	115	115
手压泵手柄操作力 (N.m)	200	200
拨道量 (mm)	≤200/次	≤200/次
外形尺寸 (mm)	1920×850×1310	1920×850×1310
整机质量 (kg)	495	495



## P1B-DV-36C type Tiger Xiao electric wre

型 号	P1B-DV-36C
功率	1050W
方头	25.4*25.4mm
适用螺栓	高强度 M20-M24 普通 M24-M36
力矩范围	500-1000N.M
重量	10kg



## NLB-500 internal combustion single-head wrench

型 号	NLB-500
动力	小松 G4LS
转速	7500r/min
功率	1.42kw
主轴转速	1015r/min
扭矩	≥500N.m
净重	18kg
整体尺寸	830×280×380mm

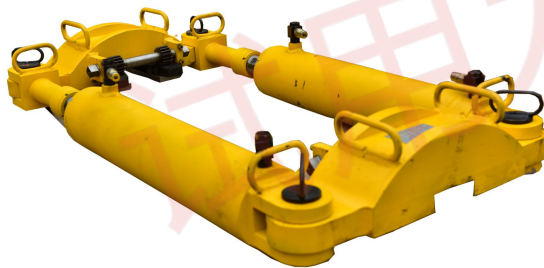




# YLS-900, YLS-1200 type rail drawing machine/rail waist drawing machine

- The tool is a necessary tool used for the repair of rail disassembly, stress release and rail joint adjust
- ment of ordinary rail segments. Suitable for 43kg/ m-75kg /m various types of rail railway lines.

型 号		YLS-900 (内燃)	YLS-900 (电动)	YLS-1200 (内燃)
机 器	最高（拉）工作压力 (MPa)	67		67
	最大牵引力 (kN3)	900		1200
	最高（推）工作压力 (kN)	200		200
	工作油缸最大行程 (mm)	500		800
	动力型式	手动泵站或机动泵站		手动泵站或机动泵站
	外形尺寸 (mm)	1350×635×205		1750×640×210
	整机质量 (kg)	350		350
泵 站	动力	5.5HP GXV160-N4C (本田垂直轴)	电动机	5.5HP GXV160-N4C (本田垂直轴)
	压力 (MP)	60	63	60
	流量 (升)	4.0	4.5	4.0
	油箱容积 (升)	25	20	25
	发动机功率	2.0KW/3.0KW (5.5HP)	3.0KW	2.0KW/3.0KW (5.5HP)
	油路设计	单级双出口	单级双出口	单级双出口
	尺寸 (mm)	600*580*630	450*450*700	600*580*630



**Cylinder, clamp specific**



**Clamp rail waist clamp specific**



**Internal combustion pumping station**



**Electric pumping station**

## NZG-31 internal combustion rail drilling machine

NZG-31 type internal combustion rail drilling machine is suitable for high-power track maintenance machinery between areas without power supply, the machine uses the Japanese internal combustion engine as the power source, small size, simple operation, easy maintenance, is the ideal machine for 75kg, 60kg, 50kg, 43kg rail drilling operations. This drilling machine is suitable for the public works and engineering department to drill the joint hole of the rail and the basic rail of the switch, and is also suitable for the electrical and engineering department to drill the lead plug hole of the rail. The public works department uses 31 hollow drill bit, and the electric department uses special twist drill bit. The drilling machine has the characteristics of safety and reliability, fast card loading, high drilling precision, short time, fast efficiency, light weight, simple operation, flexibility and convenience.

The drilling machine is composed of clamp, shaft sleeve feeding device, working device, reducer, gasoline engine, scale and other parts. The power of the gasoline engine is transmitted to the main shaft through the clutch, reducer, working device to drive the drill bit to rotate.

型号	NZG-31-A (165F)
功率(HP)	三庚动力
工作转速(r/min)	300
钻孔直径(φ)	9.8-32
最大给进(mm)	98
进给方式	轴套进给
钻孔时间(S)	≤60
适用范围(kg/m)	43~60 钢轨
质量(kg)	15



型号	NZG-31-B (GX35)
功率(HP)	1.6HP 本田动力
工作转速(r/min)	300
钻孔直径(φ)	9.8-32
最大给进(mm)	98
进给方式	轴套进给
钻孔时间(S)	≤60
适用范围(kg/m)	43~60 钢轨
质量(kg)	17



## Sleeper anchor changer



Internal combustion SRZ-2



Electric DZ-76

# NGJ type internal combustion rail sawing machine

The machine can cut various types of rail in the work site without power supply, and is an ideal rail cutting tool in the construction of works,

- Bridges, lines overhaul and other departments. Advanced design, novel structure;
- Convenient card installation, simple operation, safe and reliable construction;
- Cutting speed is fast. There is no blue burn on the cutting surface.

The machine uses gasoline engine as power source, which is suitable for field operation in areas without power supply.

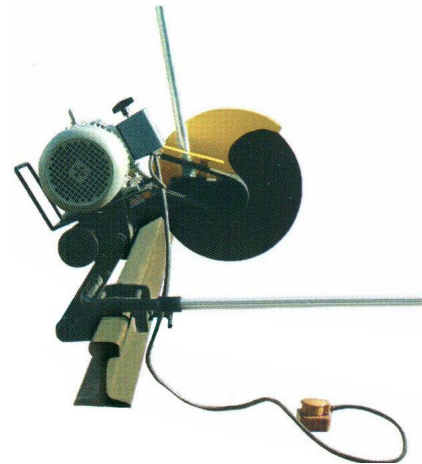
The machine can be implemented on the ground and rail.



型号	NGJ	NGJ
汽油机功率(HP)	10HP 177F(三庚动力)	9HP GX270(本田动力)
主轴转速(r/min)	3300	3300
切割范围(kg/m)	43~75	43~75
切割垂直度(mm)	≤0.5	≤0.5
切割砂轮片(φ)	400×32×4	400×32×4
砂轮片利用率	43kg/m 钢轨使用 4~5 次	43kg/m 钢轨使用 4~5 次
	50kg/m 钢轨使用 3~4 次	50kg/m 钢轨使用 3~4 次
	60kg/m 钢轨使用 3~4 次	60kg/m 钢轨使用 3~4 次
外形尺寸(mm)	500×500×600	500×500×600
质量(kg)	43	43

## DGJ electric rail cutting machine

型号	DGJ
额定功率(KW/V)	3.0/380
工作转速(r/min)	3200
切割范围(kg/m)	43~75
切割垂直度(mm)	≤0.5
切割砂轮片(φ)	400×32×4
外形尺寸(mm)	550×500×650
质量(kg)	54



## DZG-31 electric drilling machine

型号	DZG-31
钻孔直径(mm)	φ 9.8-32
额定功率(KW/V)	0.75/380
额定转速(r/min)	360
最大给进(mm)	40
进给方式	轴套进给
钻孔时间(S)	45
适用范围(kg/m)	43~75 钢轨
质量(kg)	21



## K1270 Internal combustion rail sawing Machine (Fushihua)

- One of the most powerful track cutters on the market; 350/355mm blade, powerful performance;
- Equipped with dual attachment mounting, allowing cutting from both directions; Accessories can be quickly and stably installed on the track;
- Achieve accurate right Angle cuts on all planes;
- Chromium-plated, heat-resistant blade guard reduces slag accumulation.

型号	K1270
引擎	风冷 2 冲程
功率 (KW)	5.8
气缸排量 (cm <sup>3</sup> )	119
锯片直径 (mm)	350/355
最大切割深度 (mm)	125/145
重量/不包括切割的设备 (kg)	20.5/21.1
前手柄的振动 (m/s <sup>2</sup> )	5/5
振动后手柄 (m/s <sup>2</sup> )	4.1/3.6
声功率级, LWA dB(A)	117



## K1270 type internal combustion rail sawing machine accessories



muffler



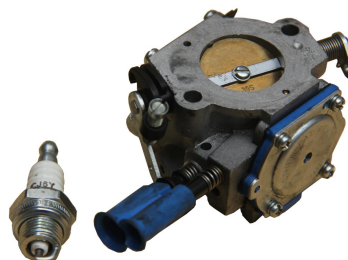
cylinder head, spark plug



Air filter, belt



Boot disk



spark plug, carburetor

## ND-4K internal combustion tamping pick

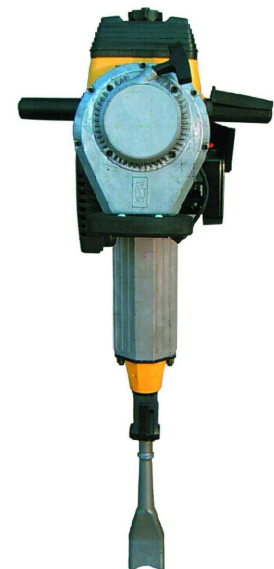
型 号	ND-4K
动力	小松 G4LS (二冲程汽油机)
汽油机功率(KW)	1.42
激振力(kN)	$\geq 4$
镐尖振幅(mm)	$\geq 1$
振动频率(HZ)	120~140
振捣棒直径(mm)	54
偏心块旋转速度(r/min)	$\geq 7000$
质量(kg)	15
外形尺寸(mm)	1020×350×300

型 号	ND-4K
发动机	140FA (四冲程汽油机)
汽油机功率	2HP
额定振动加速度过	1400 m/S <sup>2</sup>
空载最大振幅	>5mm
振动频率	130Hz
质量	17Kg
外形尺寸	1060×400×280mm



## ND-4.0 internal combustion tamping pick

型 号	ND-4.0
发动机型式	单缸、风冷、二冲程
排量	80 ml
输出功率	2.0/4400 kW/r/min
油耗	$\leq 544$ g /kW · h
整机质量	24kg
冲击功	40J
离合转速	2900±350r/min
怠速	2300±230r/min
工作转速	4350±250r/min
额定冲击频率	22Hz
燃油	汽油和 FC 级二冲程机油容积混合比 (25~30) :1
油箱容积	2.4L
冲击系统润滑脂	3# 极压复合锂基脂
外形尺寸	790×450×340mm



# YZ-600 hydraulic rail straightener (special for trough rail)

A wide range of applications, in addition to the switch rail, but also suitable for moving core rail, ordinary line rail, trough rail, switch connection curve rail straightening and bending;

The straight rail force is large, suitable for bending or adjusting any part of the AT switch rail Straight;

The quality of the straightened or bent rail is good because the straightener tops the square of the rail waist

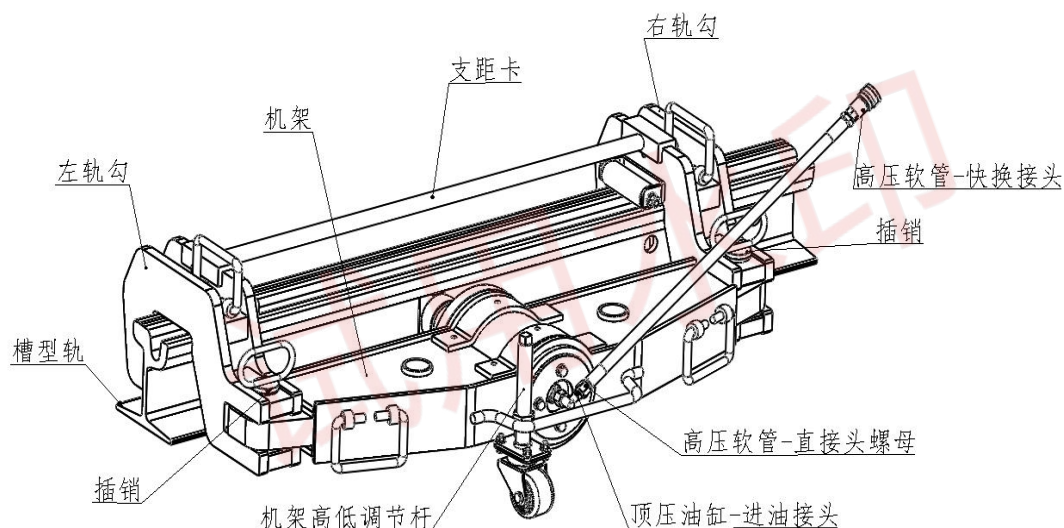
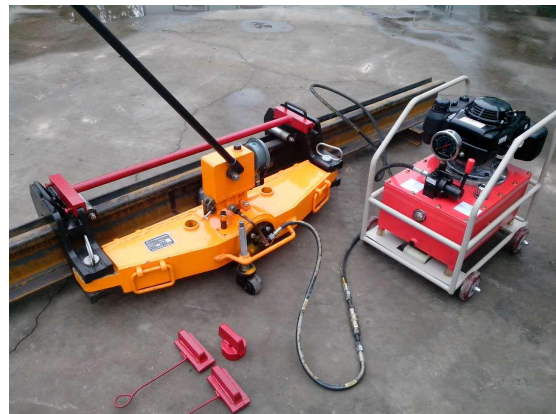
The force of the switch or rail is uniform, and the switch or rail is not easy to twist Metamorphosis;

Removable rail hook structure, easy to operate;

Composite high pressure sealing structure, can withstand greater pressure, prevent inside Oil drainage;

There is a straight rail force (oil pressure) display device to prevent bending or straight rail The deformation is too large, there is a reverse bending phenomenon;

When the inside of the switch rail is bent and straightened, it can be straightened without disassembling the switch rail.



型号	YZ-600
额定直轨力(kN)	600
最大直轨力(kN)	650
直轨量(mm/次)	≥3
整机质量(kg)	≤90 (不含轨勾等)
可配备液压泵站 (根据客户需求)	

## DFMG-2.2 electric track copying grinding machine

型 号	DFMG-2.2
动力	交流三相异步电动机 Y2-90L-2
功率(kw)	2.2
转速(r/min)	2840
砂轮转速(r. p. m)	2840
四螺孔砂轮规格(mm)	$\phi 150 \times \phi 55 \times 70$
砂轮行程(mm)	50
砂轮倾角( $^{\circ}$ )	90
外形尺寸(mm)	1410 $\times$ 520 $\times$ 935
整机质量(kg)	65



## MR150E Electric Rail sander (Ratek)

型 号	MR150E
交流电动机	3KW, 380V, 2905r/m (转每分)
150mm 直径砂轮 转速	2905rpm
底宽	1000mm
重量	64KG (含打磨砂轮)
尺寸	1450*548*897mm



## FMG-4.4 model internal combustion copying rail grinding machine



型 号	FMG-4.4
动力	新型 6 马力四冲程汽油机
标准轮距(mm)	1000
砂轮转数(r. p. m)	4100
砂轮规格( $\phi \times \phi \times \text{mm}$ )	筒形 150 $\times$ 55 $\times$ 70
砂轮行程(mm)	50
砂轮倾角( $^{\circ}$ )	90
外形尺寸(mm)	1470 $\times$ 630 $\times$ 820
质量(kg)	58

# ZH-60II Normalizing equipment

## ◆ Scope of application:

- The normalizing equipment is mainly suitable for the normalizing use of the rail after welding. The equipment has the characteristics of unique idea, reasonable design, easy operation and no occupying the space under the rail.

## ◆ Basic structure and function:

- Heater - Used to heat the rail
- Water pump and water tank - for heater cooling, pump motor voltage 380V control box - control acetylene and oxygen pressure and flow
- Gas mixer - Mixes the adjusted acetylene with oxygen to supply the mixture to the heater
- .
- 



## Flat car with head (can be customized according to user needs)

There are three options for flat car power, Honda GX390(13HP) power, three hepta 188F(13.5H) power, motor cycle CG250 (ZS167FMM), the size of the flat can be customized according to user needs

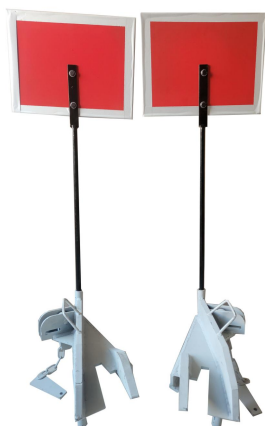
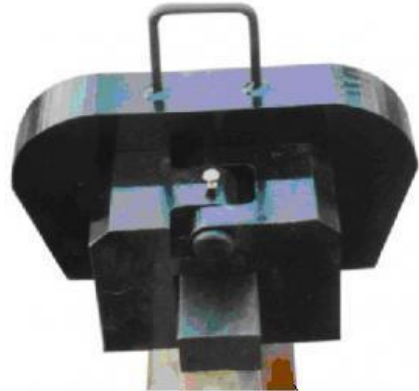


## Simple flat car with hand brake (can be customized according to user needs)





ZGQ type rail impact bag (suitable for P50, 60, 75kg/m rail)



**derailer**  
(with left and right plates)

**Rail lifter**  
(for track 50, 60, 75)

## GF series gasoline generator set

Single phase/three phase power supply: can drag inverter welding machine, water pump, X-ray film machine, lighting and other construction equipment, light weight, easy to move; Reliable overload: simple and reliable structure, super strong excitation ability and very short voltage recovery time, short-term overload capacity up to 50%. At the same time with single/three-phase independent output function, more suitable for field and rush repair operations;

Engine: international brand original engine;

Excitation generator set, AVR automatic voltage regulation.



型号		GF6		GF10		GF12	
发电 机	相数	三相	单相	三相	单相	三相	单相
	额定功率(KW)	5	5	8	8	10	10
	最大输出功率(KW)	6	5	10	8	12	10
	额定输出电压(V)	400	230	400	230	400	230
	额定输出电流(A)	9.0	21.7	14.4	34.8	18	43.5
	频率(Hz)	50		50		50	
	功率因数 COSΦ	0.8	1	0.8	1	0.8	1
	电压调压率(%)	<±5	<±10	<±5	<±10	<±5	<±10
发动 机	功率(hp)	13		20		24	
	排气量(cc)	390		624		720	
	气门形式	顶置式气阀		顶置式气阀		顶置式气阀	
	点火系统	CDI		CDI		CDI	
	油箱容量(l)	25		25		25	
	耗油量(g/HP·hr)	230		230		230	
	机油报警系统	有		有		有	
	启动方式	手启动		电启动		电启动	
整机	外形尺寸(mm)	830×526×622		1010×690×620		1050×710×620	
	质量(kg)	92		122		139	

## EC type small generator set

型号		EC1800CX	EX2500CX	EC3800CX
发动 机	型号	GX160K1	GX160K1	GX240K1
	起动系统	手动	手动	手动
	燃油箱容量(L)	3.7	15	25
	连续工作时间(hr)	3.8	13	13
发电 机	额定频率(Hz)	50	50	50
	额定电压(V)	220	220	220
	额定功率(KVA)	1.3	2	2.8
	最大功率(KVA)	1.5	2.2	3.1
标准 配置	电压表	有	有	有
	自动电压调节器	有	有	有
	机油警告系统	有	有	有



## Gasoline generator set (3KW-8KW)



SC3250-II



SC8000-II

型号	SC3250-II	SC5500-II	SC7000-II	SC8000-II
动力	AP170F	AP188F	AP190F	AP192F
启动方式	手/电启动	手/电启动	手/电启动	手/电启动
排量	208cc	389cc	420cc	439cc
压缩比	8.5:1	8.5:1	8.5:1	8.5:1
额定频率	50Hz	50Hz	50Hz	50Hz
额定功率	2800W	5000W	6500W	7000W
最大功率	3000W	5500W	7000W	7700W
额定电压	230V	230V/380V	230V/380V	230V/380V
油箱容量	15L	25L	25L	25L
满载运行时间	9.5h	8.5h	8.5h	8h
半载运行时间	12.5h	13.5h	13.5h	12.5h
尺寸	595*460*490mm	700*526*580mm	700*526*580mm	700*526*580mm
净重	49kg	82kg	85kg	90kg

## Diesel generator set (6KW-20KW)



型号	SC6500C	SC8500C
动力	KP188F (E)	KP192F (E)
启动方式	手/电启动	手/电启动
排量	456cc	499cc
电压	230V	230V/400V
压缩比	19:1	19:1
额定频率	50Hz	50Hz
额定功率	5000W	6500W
最大功率	5500W	7000W
额定电压	230/380V	230/380V
油箱容量	18L	18L
燃油消耗率	275g/kw. h	275g/kw. h
包装尺寸	820*560*660mm	660*460*540mm
重量	112kg	115kg

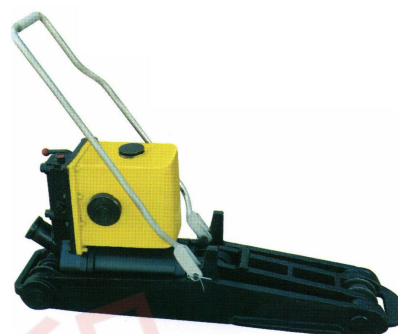
## YQ-88A/B type high-speed rail hydraulic track lifter

型 号	YQ-88A	YQ-88B
活塞杆的顶升力	88kN (9t)	88kN (9t)
最大起道高度 (mm)	60	32
手柄操作力矩 (Nm)	220	220
液压油型号	10 号机械油	10 号机械油
质量/不包括手柄 (kg)	6.8	3.8
外形尺寸 (mm)	165×161×197	210×167×138



## YQB type hydraulic track lifter

型 号	YQB			
最大起道力 (t)	15	20	25	30
最大拨道力 (t)	8	13	18	20
最大起道量 (mm)	115	115	120	125
最大拨道量 (mm)	80	80	85	90
质量 (kg)	22	23	26	28



### Y63-01 Rack type track lifting machine (single buckle 15T)

### TY82-02A rack type track lifter (double buckle 15T) 01B-196 Rack type track lifter (single buckle 20T)

### Type 02B-196 rack type track lifting machine (double buckle 20T)

Reasonable structure, fast start, easy to use, can

- facilitate fast and slow down. It is suitable for
- lifting gauge or heavy weight when building railway.

型 号	02B-196
额定顶举力 (KN)	196
额定起道力 (KN)	104
起道高度 (mm)	≥280
初始高度 (mm)	≤60
空载效率 (mm/次)	16
质量 (kg)	≤26



## THand lift 5T/10T

- Starting stroke: 430/450mm
- Weight: 30/47kg
- Height off the ground when not working: 115/135



## Hydraulic lift 5T/10T



## YFZ-80 hydraulic square pillow

型 号	YFZ-80
最大调整量(mm)	130
最大方枕力(KN)	80
手柄操纵力(N)	200~270
外形尺寸(mm)	275×220×233
质量(kg)	10



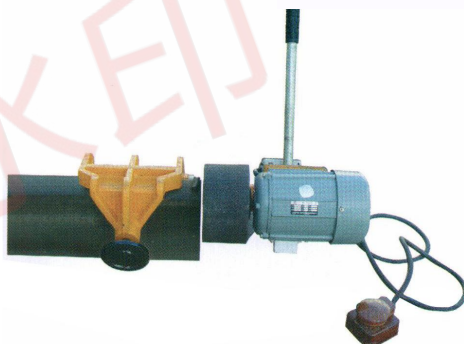
## YTF-400 (unidirectional) /YTF-400II (bidirectional) type rail gap adjuster.YTF-400

型 号	YTF-400	YTF-400 II
最大推力(KN)	400	400
工作行程(mm)	140	140
工作缸额定压力(Mpa)	52	52
空载效率(mm/一次往返)	2.2	≥2.0
质量(kg)	90	≤133



## DM-1.1 electric rail end mill

型 号	DM-I
砂轮转速(r/min)	2800
电机功率(W)	1100
砂轮线速度(m/s)	22
砂轮规格(φ×φ×mm)	150×32×75
质量(kg)	



## YZG-800 hydraulic straightener

型 号	YZG-800
最大直轨刀(KN)	800
额定直轨刀(KN)	660
活塞行程(mm)	70
空载效率(mm/次)	1.8
手柄作用力(N)	300-400
工作油型号	冬 20" 夏 40" 机械油
质量(kg)	95
外形尺寸(mm)	875*595*240



## DGJC type line switch electronic inspection ruler



- DGJC 型线路道岔电子检测尺，检测尺目前分为普通 A 型、存储 B 型、高精度 C 型三种型号，可测量 12.5m 轨、25m 轨及无缝线路的轨距和超高，并可以对各类道岔的轨距、水平、查照间隔、护背距离等进行测量。对线路可按钢轨序号测量，对线路道岔可方便切换正反序测量，也可以对特殊区段精密测量，还可以测量曲线外轨磨耗。

型 号	DGJC
轨距测量范围(mm)	1410~1470
轨距测量精度(级)	0
水平(超高)测量范围(mm)	-185~+185
水平(超高)(mm)	±0.3
轨距(mm)	±0.20
水平(超高)分辨力(mm)	0.05
轨距分辨力(mm)	0.01
工作温度(°C)	-40~+60
显示方式	中文点阵显示(OLED 低温型)
电源	锂电池，标准充电时间 4 小时，可连续工作 6 个工作日
长度(mm)	1610
质量(kg)	≤2.8

## square



- Size (length, width and thickness) :
- 1000\*37\*8mm/1000\*40\*10mm Model: with slot/without slot

## Gauge gauge JTGC-GW2 class



## Offset scale

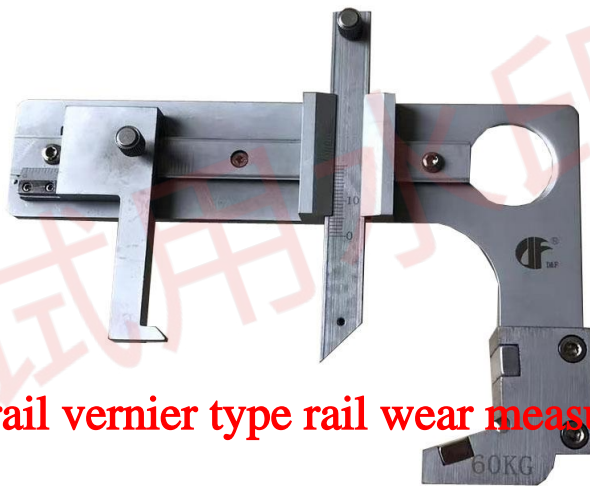


## Railway square foot

## Mechanical/digital display rail wear measuring instrument

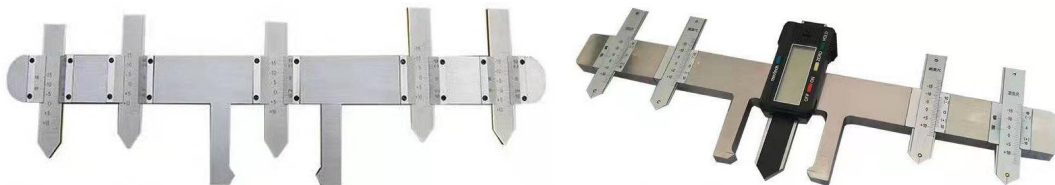


型 号		机械式	数显式	
43kg	测量范围	垂直磨耗 (mm)	0-50	0-25
		侧面磨耗 (mm)	0-50	0-30
50kg	仪器精度 (mm)		0.05	0.05
60kg	读书数精度 (mm)		0.05	0.01
75kg (特殊轨形可定制)	重复性误差 (mm)		±0.01	±0.02
	材质		不锈钢	
	包装		铝合金包装箱/木箱	



## Guard rail vernier type rail wear measuring instrument

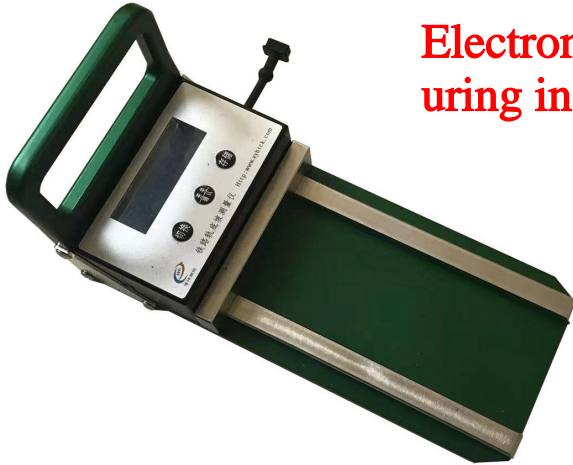
## JTZC-A/B frog wear measuring instrument



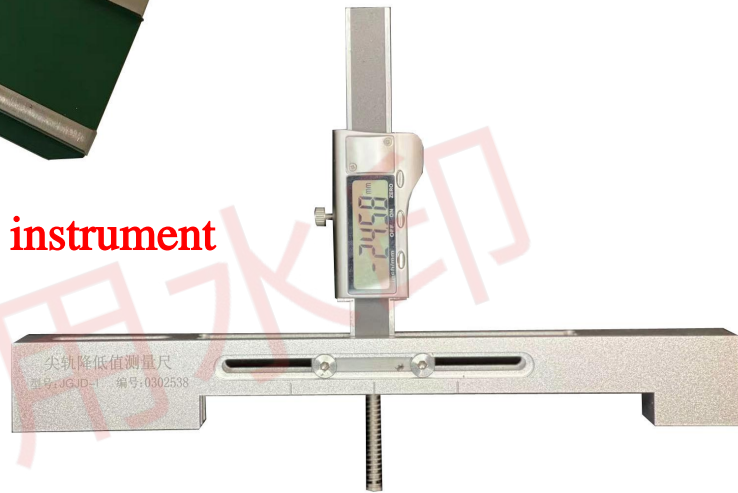
型 号	JTZC-A	JTZC-B
辙叉心垂直磨耗	0-25mm; 分辨率: 0.02mm	0-25mm; 分辨率: 0.01mm
翼轨垂直磨耗	0-30mm; 分辨率: 0.1mm	0-30mm; 分辨率: 0.1mm
仪器精度	±0.15mm	±0.15mm
重复性误差	≤0.1mm	≤0.1mm



**Electronic waveform wear measuring instrument BMC-01**



**Railway slope measuring instrument**



**Drop gauge JGJD-1**



**Digital display, pointer type**



## No. 1 roller (can be customized according to user needs)

- Size: 400\*210\*150mm
- Weight: 11KG
- The empty length in the wheel is 175mm
- Wheel length 198mm
- The inner diameter is 87mm
- Wheel rim diameter 112mm



## trundle

- For ballast and ballastless track laying and releasing load bearing capacity of 3500KG
- Weight 0.55KG
- Size: 130\*24\*22mm



## Ballasted roller seat

- Size: 195\*44\*44mm
- Weight: 1.35KG
- Bottom to roller height: 31mm



## Rail kicl



## Open crowbar



## Horseshoe crowbar, four teeth



## Rail mover

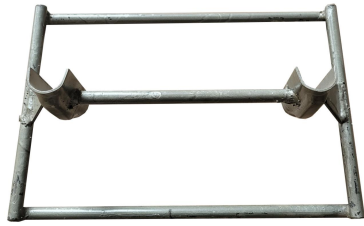


## Nine teeth



## monorail

**Positive anchor frame (Material: Q235)**



**Anti-anchor frame (Material: Q235)**



**t-wrench**



套筒尺寸: 36mm/46mm  
外形尺寸: 820\*480mm

**Rail pliers (45# steel)**



**Rail clamp**



**Honda gasoline engine parts**



Kickback starter assembly



Ignition coil



Intake valve, exhaust valve, spark plug



Piston, piston ring



Connecting rod assembly

## Bit by bit



### Product characteristics:

Rare metal materials and semiconductor materials, the perfect combination of several unique technologies, ultra-long life of 3 combined blades, to achieve high precision and fast drilling;

The 3 combined edges are composed of a number of outer edges, central edges and inner edges, each blade in the cutting process, only bear about 1/3 of the workload, plus the inside of each blade also has a cutting edge, which can make chip removal very smooth; In addition, due to the characteristics of each edge bearing a part of the cutting work, the bit is not easy to produce the phenomenon of falling edge.

### Product specification:

- Effective length: 25mm
  - Card head size: 19mm
  - Drilling diameter: 31mm/24mm/16mm
- ◆ Applicable rail: ordinary rail/heat treated rail

## Various types of grinding wheel



### ◆ Product characteristics:

- Cutting speed is fast, each cutting time is less than 1 minute 30 seconds;
- Long life, a single piece can be sawed 60KG heavy rail 3-5 segments;
- The product is safe and reliable, the highest rated line speed of cutting reaches 100M/S, and is not broken; The cutting quality is high, the cutting end face is not burned, and the welding requirements can be met without treatment

### ◆ Product size:

- 350×25.4×3.8 (Imported grinding wheel - Israel) 355×
- 25.4×4 (Xiashan grinding wheel - high speed)
- 400×32×4 (Xiashan grinding wheel)
- 355×25.4×4 (Fushihua Grinding wheel)

## Grinding wheel series



End grinding wheel  
150\*80\*32mm



Copying grinding wheel  
150\*70\*55mm



Straight grinding wheel  
(36 mesh, M-class - Medium)  
150\*25\*32mm

## Nylon wheel, iron wheel series (can be customized according to user needs)



Single side nylon wheel  
Length 105\* Outer edge 143\*105mm(inner hole 80mm)



Iron wheel (45# steel)  
160\*170mm(inner hole 80mm)



Double sided nylon wheel  
Length 105\* outer edge 143(inner hole 80mm)



Single side iron wheel (45# steel)  
Length 107\* Outer edge 143\*105mm(inner hole 80mm)



Double side iron wheel (45# steel)

## Rail car (single/double wheel)

- Model: Double iron wheel type/Single iron wheel type Weight: double 23.4KG/ single 21.1KG
- 1KG size (length, width and height) : 345\*150\*190mm
- 



# Ballastless first aid device/Rail bottom card/First aid device (1 large 2 small)

Material: Cast steel and forgings.

Rail first aid is a temporary rescue tool widely used in railway works departments. In the emergency case of rail breakage, in order to pass the train normally, the corresponding type of rail fishplate (rail joint splints) can be connected to both sides of the broken rail, and the first aid can be extended from the bottom of the rail to the lower part of the fishplate, so that the top surface of the first aid is on both sides of the temporary fishplate. The two emergency devices are arranged in a group on the splint at the same time. The emergency devices are positioned 100MM away from the end of the splint, and the emergency bolt is locked with a quick wrench equipped immediately. The train can pass normally at a lower safe speed. The first aid device is divided into 43, 50, 60 and 75 corresponding to the rail type respectively.

Rail first aid features:

The rail first aid device strengthens the welding tape that is judged to be damaged on the line.

First aid reinforcement treatment when the rail or welding belt is broken;

Rail first aid thermite welding, pneumatic welding, resistance welding at the weld belt damage can be firmly clamped. The damaged rail between or on the sleeper can be clamped. Alloy steel precision casting molding, beautiful shape, light weight, easy to carry, impact resistance, long service life; The rail first aid device is set at the bottom of each kilometer mark and half kilometer mark track, which is very timely and convenient to use;

When the rail is broken, the operator does not need to carry the drum splint and the first aid device to the scene, which reduces the labor intensity of the operator and greatly shortens the processing time of the broken rail.

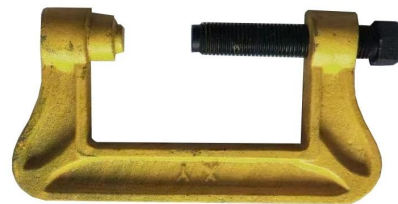
Rail first aid device The rail reinforcement device can ensure the normal operation of the train after installation.

- ◆ The rail first aid device is convenient and flexible in loading and unloading, firm and reliable in clamping, and the tool box is easy to carry, which is a convenient and reliable emergency repair tool for the railway works department to rescue the



## Bow type first aid (common type)

## Bow type first aid (cast iron type)



## Hook lock (60 rails)

## Lock hook (with lock)



# ZTK-1 rail thermit welding

## ◆ 概况:

China Academy of Railway Science is the only comprehensive research unit of railway professional technology, and the Institute of Metals and Chemistry is one of the professional research institutes of China Academy of Railway Science.

The Institute of Metals and Chemistry of China Academy of Railway Sciences began the research of rail thermit welding technology in 1957, and began the development of 60kg/m rail pearlitic thermit flux in 2003. In November 2006, the successful development of ZTK-1 rail thermit flux passed the technical review of the Ministry of Railways Transport Bureau. Now there are 15 researchers specializing in rail welding and rail thermit welding technicians

More than 40, with a complete thermit welding joint test means and equipment, can design and produce suitable for different materials and rail types of thermit welding materials and construction equipment.

ZTK-1 rail thermo welding material has been used in Tonglang line, Daqin Line, Lanxin Line, Lanxi Line and Zhenheda Line more than 4000 sets, and undertook the Olympic Airport line track thermo welding project, the broken rail rate is less than 2%.

## ◆ Product characteristics:



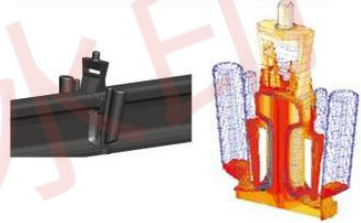
Sand type with sealing groove, easy to seal the box



The outer layer of the disposable crucible is wrapped in iron sheet, Suitable for on-site handling and long-distance transportation, not easy to damage



The inner wall of the sand mold is made of high-temperature resistant raw sand. Preheating does not occur melting, easy to clean after welding



The weld metal has uniform properties. Reasonable sand structure to ensure Thermite steel is sequentially solidified to eliminate the microscopic defects of the joint metal



Advanced thermit welding material production inspection equipment and quality management system to ensure stable product quality and superior joint performance.