

GDJ- I 型
钢轨对正架
RAIL ALIGNMENT TOOL
产 品 说 明 书
INSTRUCTION MANUAL

通过 GB/T 19001-2016 idt ISO 9001: 2015 质量管理体系认证
Pass GB/T 19001-2016 idt ISO 9001: 2015 QMS Certification

锦州铁工养路设备有限公司

Jinzhou Tiegong Railway Maintenance
Machinery Co., Ltd

一、前言

GDJ- I 型钢轨对正架,是依据广大养路作业顾客的实际需要而设计开发的一种新型工具。该机具外形美观,性能优越,结构合理,质量可靠,省时省力,性能价格比好,适合各种轨型的调整,是进行铝热焊接时调整钢轨位置的必备工具。

1、preface

The GDJ- I rail alignment tool is a new type of tool designed and developed according to the actual needs of customers who maintain roads. The machine is beautiful in appearance, superior in performance, reasonable in structure, reliable in quality, saves time and effort, and has a good price-performance ratio. It is suitable for the adjustment of various rail types and is an essential tool for adjusting the position of the rail during thermit welding.

二、技术参数

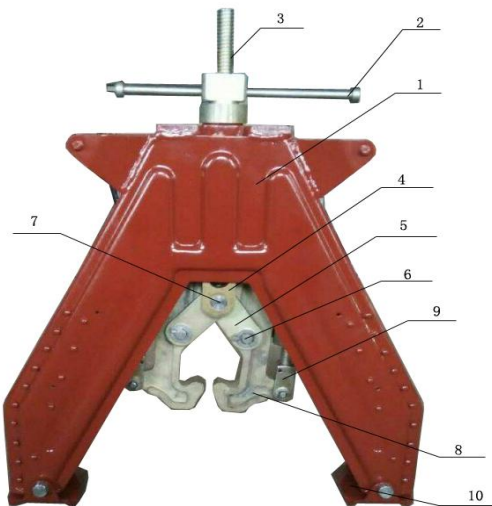
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|----------|-------------|
| 1、最大吊轨力: | 15kN |
| 2、跨距: | 460mm |
| 3、整机质量: | 21kg |
| 4、外形尺寸: | 600×540×170 |

2、 Technical parameters

1. Maximum hanging rail force: 15kN
2. Span: 460mm
3. Machine quality: 21kg
4. Dimensions: 600×540×170

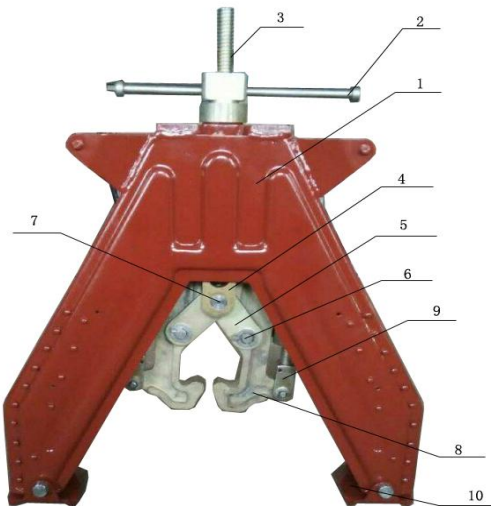
三、基本结构与工作原理

该产品主要由：1 起道架体、2 扳杆、3 提升丝杠、4 导向板、5 小联片、6 小链片销、7 大链片销、8 吊轨钩、9 侧丝杠、10 支脚等组成。



3、 Basic structure and working principle

The product is mainly composed of 1 road frame body, 2 levers, 3 lifting screws, 4 guide plates, 5 small couplings, 6 small chain pins, 7 large chain pins, 8 hanging rail hooks, 9 side screws, 10 feet and other components.



图片仅供参考

四、使用、保养

一、 使用:

- 1、使用前检查各紧固部位和联接部位是否有松动及脱离现象。
- 2、在需要焊接的钢轨接头的一侧，松开 4 根或 5 根轨枕上的

紧固件。

3、在钢轨接头的一侧的第 2 根或第 3 根轨枕上放置一对正架（具体位置视工作需要而定）调整各调整杆，使吊轨钩吊住钢轨即可进行如下调整（调整时必须均衡地分配每根钢轨各一半）

a、水平点的调整：通过转动扳杆带动提升杆移动来进行水平点的调整。

b、轨头对直的调整：根据移动的方向，可通过侧丝杠对轨头进行相应的调整（如需要应将相对的侧丝杠松开）。来进行轨头的调整。

c、倾斜调整：将侧丝杠与长侧丝杠放置在合适的位置，当其上紧后，就可根据需要来进行翻转调整，同时需调整相对一面的侧丝杠以保持钢轨顶部位于一条直线上。

注意事项：请千万不要强行用力拧调整螺丝；假如确实需要强行用力，则说明钢轨紧固机件没有松开或相对的螺丝被锁定。

二、保养：在使用几次后或是贮存，必须对提升调整杆螺母下方的轴承上和其它关节部位加注二硫化钼润滑脂。

4、 Use and maintenance

A. Use:

1. Check whether there is any loosening and detachment at the fastening parts and the connecting parts before use.
2. On the side of the rail joint to be welded, loosen the fasteners on the 4 or 5 sleepers.
3. Place a pair of main frames on the second or third sleepers on the side of the rail joint (the specific position depends on the work needs) to adjust the adjustment rods, so that the rail hook can be adjusted as follows by hanging the rail (When adjusting, half of each rail must be distributed evenly)
 - a. Adjustment of horizontal point:The horizontal point can be adjusted by turning the lever to move the lifting rod.
 - b. Adjustment of rail head alignment:According to the direction of movement, the rail head can be adjusted accordingly (relative side screw should be loosened if necessary). To adjust the rail head.
 - c. Tilt adjustment:Place the side screw and the long side screw in a proper position. After tightening, you can adjust them according to your needs. At the same time, you need to adjust the side screw on the opposite side to keep the top of the rail on a straight line.

Precautions:Please do not forcibly tighten the adjustment screw; if it is indeed necessary to force it, it means that the rail fastening mechanism has not been loosened or the opposite screw is locked.

B.Maintenance:

After several times of use or storage, molybdenum disulfide grease must be added to the bearing and other joints under the lifting adjustment rod nut.

五、其他

1、产品自销售之日起享受一年质保，易损件和消耗品除外，人为损坏不在质保范围内。

5. Other

1. The product is guaranteed for one year from the date of sale, except for wearing parts and consumables. Man-made damage is not covered by the warranty.

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