



# 北京金煤创业科技股份有限公司

BeiJing JinMei Entrepreneur Co., Ltd.

Floor No.2, South- D, Gucheng Base, No.19 Gucheng West Street, ShiJingShan District, Beijing, China.100043  
Tel: 86-10-8890 9291/8890 9293 Fax: 86-10-8890 9288 Email: [info@djm-bj.com](mailto:info@djm-bj.com) Web: [www.djm-bj.com](http://www.djm-bj.com)

## DJM 马氏体钢陶瓷复合铸造可焊接耐磨条/板技术介绍

DJM martensite steel ceramic composite wear parts (weldability wear-resistant bar/liner)

可焊接耐磨条/板是一种外形类似于巧克力的以合金钢为基材的陶瓷复合高铬铸铁的耐磨件，即在合金钢材料表面铸入陶瓷颗粒形成陶瓷金属复合材料层，这层复合层的耐磨性能可达高Cr材料的3 - 4倍，同时这一复合层的厚度可制成达到原备件厚度的1/3，并可根据原磨损曲线有针对性的制作，因选用合金钢为基材，从而使合金钢底座具有很好的焊接性能，又可以承担高冲击强度。陶瓷复合高铬铸铁的硬度提供了最大限度的耐磨性，同时，合金钢底座能吸收高冲击强度，产品易于使用，适用火焰气割，砂轮锯，剪切，水割，等离子等多种切割方式切割，焊接到曲面内外轮廓表面上，无需对其进行预热或后续加热处理；体积小，便于运输，不需要过多的焊接时间，是理想的小区域磨损修复耐磨件；我们有完整的产品规格，并能为客户提供个性化定做。与普通高铬铸铁件相比，产品使用寿命延长2-4倍。

weldability wear-resistant bar/liner is martensite steel and ZTA ceramic composite casting and looks like chocolate. the composite layer wear-resisting property is than high Cr material 3-4 times, The mild steel backing plate has very good welding performance while bearing high impact. This product is very easy to use. It's easy to be cut and welded on curved surface without pre-heat or after heat treatment. It's easy to be transported as it's very small. It's an ideal small area repairing wear part without too much welding time. We have a complete range of specification and are able to customize and develop according to customer's requirement. Comparing with normal High Cr wear resistant casting wear parts, this product's service life is 2-4 times longer.

Product include:

martensite steel + ZTA ceramic particles

附图-6-1 陶瓷复合可焊接耐磨条/板局部放大图

Picture 6-1 external view of weldability wear-resistant bar/liner



附图-6-2 陶瓷复合可焊接耐磨条/板

Picture 6-2 weldability wear-resistant bar/liner

