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Graphite Steel Roll



Graphite roll, i.e. graphite steel roll, and Its carbon content is equivalent to that of semi steel roll, The microstructure of the matrix is similar to that of the semi steel roll. Graphite has excellent thermal conductivity, which can effectively reduce the thermal stress of the roll. At the same time, the existence of free point graphite can play a role in the expansion of structural cracks and significantly improve the thermal crack resistance. Graphite plays the role of natural lubricant. Therefore, graphite steel roll has unique properties.

1. Purpose of graphite steel roller

It is mainly used for large blooming mill, billet continuous mill, large and medium-sized roughing and finishing mill

2. Characteristics of graphite steel roller

- 1) The product is also called composite steel steel roll, which is similar to the microstructure of semi steel roll, and their wear resistance is equivalent
- 2) Graphite steel roller has excellent thermal crack resistance and impact resistance
- 3) The hardness drop is very small, generally HS 35-60
- 4) Depending on the purpose of the roll, the carbon content, alloy elements and hardness requirements can be adjusted to meet the requirements of different rolling mills

3. Manufacturing method and specification

Centrifugal casting production, specifications ϕ 250-400, ϕ 400-600, ϕ 600-1000

4. Main technical parameters

Item	Unit	TRGS140	TRGS160
C	%	1.30-1.50	1.50-1.70
SI	%	1.30-1.60	0.80-1.50
Roll body hardness	HSD	36-46	45-55

5, Good feedback of product use effect, the products have been exported to South Korea, Japan, Pakistan

6, We are a professional supplier, who can provide customers with free product

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technology, use and other issues

Do you want to find a professional supplier of Graphite Steel Roll?

Do you want to find a stable and credible supplier?

Then please contact with us

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