

PRONAMIC® H2 MAX tires and grinding plates
for Raw Material, OPC/Clinker/Slag, Coal, Ore

PRONAMIC® H2 MAX are composite tires and grinding plates, manufactured with proprietary technologies, materials, and procedures for maximum service life.

PRONAMIC® H2 MAX finished parts include tough structural steel, transition layers, the most abrasion resistant materials available and the thickest layers of all **PRONAMIC®** range. This data sheet refers to the final assembly, and not the individual components or component parts.

With adequate materials, equipment, and procedures by Loesche, **PRONAMIC® H2 MAX** can be reused, refurbished, repaired, and recycled.

Applications

PRONAMIC® H2 MAX tires and grinding plates are designed for extreme abrasive applications under compression (three body abrasion), such as in concrete recycling, slag grinding and ores with high silica content.

PRONAMIC® H2 MAX tires and grinding plates provide longer service life than **PRONAMIC® H2 Multilayer** and other known welding technologies.

Restriction: as for all grinding components, **PRONAMIC® H2 MAX** tires and grinding plates should not be used for metal-to-metal contact or impact loading.

Variants

PRONAMIC® Variant	Usage
PRONAMIC® H2 MAX – Loesche Ore	Mineral ore raw mill applications
PRONAMIC® H2 MAX – Loesche Raw	Cement raw mill applications
PRONAMIC® H2 MAX – Loesche OPC/Cement/Slag	OPC and composite cements, blast furnace slag, slag cements and fly ash containing mixes
PRONAMIC® H2 MAX – Loesche Coal	Hard coal, lignite, anthracite, and pet coke

Note: The variant must be specified when ordering.

Design Features

The outer abrasion-resistant layers of **PRONAMIC® H2 MAX** grinding parts consist of narrow weld beads in the as-welded state, with a dispersion of fine stress-relief cracks (“check cracks”). The composition of the outer layers is variable, with comparatively higher wear resistant materials placed in the regions of most intense abrasive wear.

The distribution of materials is oriented towards maximizing the service life, and materials with different chemical compositions are used according to the intensity of wear. Therefore, the chemical composition and hardness values are variable, depending on the thickness and the position along the width of the component.

Resurfacing/refurbishing

For best results, **PRONAMIC® H2 MAX** tires and grinding plates should be resurfaced/refurbished according to the recommended Original Equipment Manufacturer recommendations and supervision, using **PRONAMIC®** wires. Use of ordinary wires may result in low performance, short service life and failure in service.

For maximum abrasion resistance and fast refurbishment, the top-up should be carried out before the hard layer is completely worn off.

Welding products and techniques evolve constantly. All descriptions, illustrations and properties given in this data sheet are subject to change without notice and can only be considered as suitable for general guidance. This document is intended to help the user make the correct choice of product. It is his responsibility to assess its suitability for his intended application.