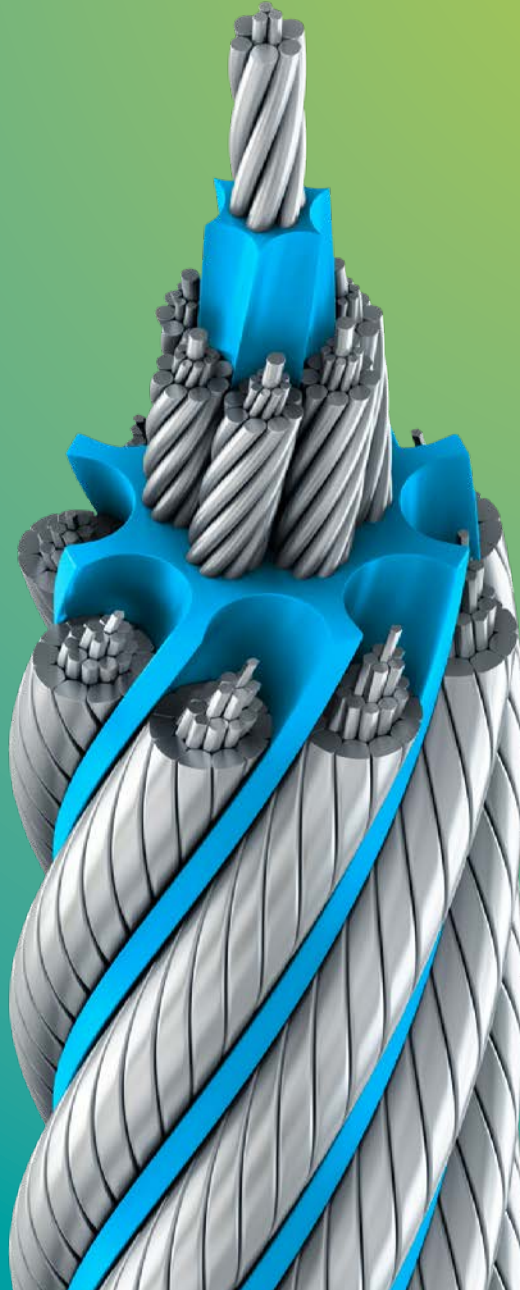




WIRECO
A World Ahead



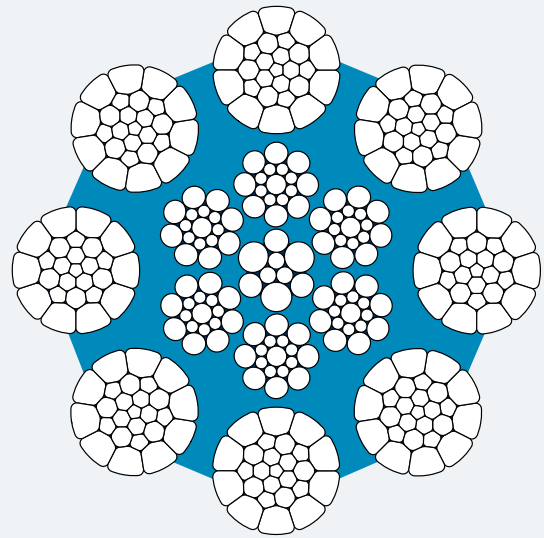
HIGH PERFORMANCE MINING ROPES **CASAR TURBOPLAST M**

Driving Progress around the World

Edition 03/2024

CASAR **TURBOPLAST M**

- High performance mining rope
- 8-strand construction with compacted outer strands
- Fully lubricated
- Plastic layer between steel core and outer strands
- Very high breaking force
- Good resistance to drum crushing
- Available in ordinary (regular) lay or lang's lay



PROPERTIES



No swivel



Lubricated



Tolerance



Plast rope



Compacted

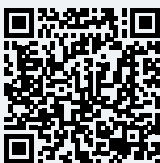
High
Breaking Force

preformed

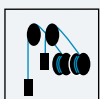
IMPROVED
DESIGN

APPLICATIONS

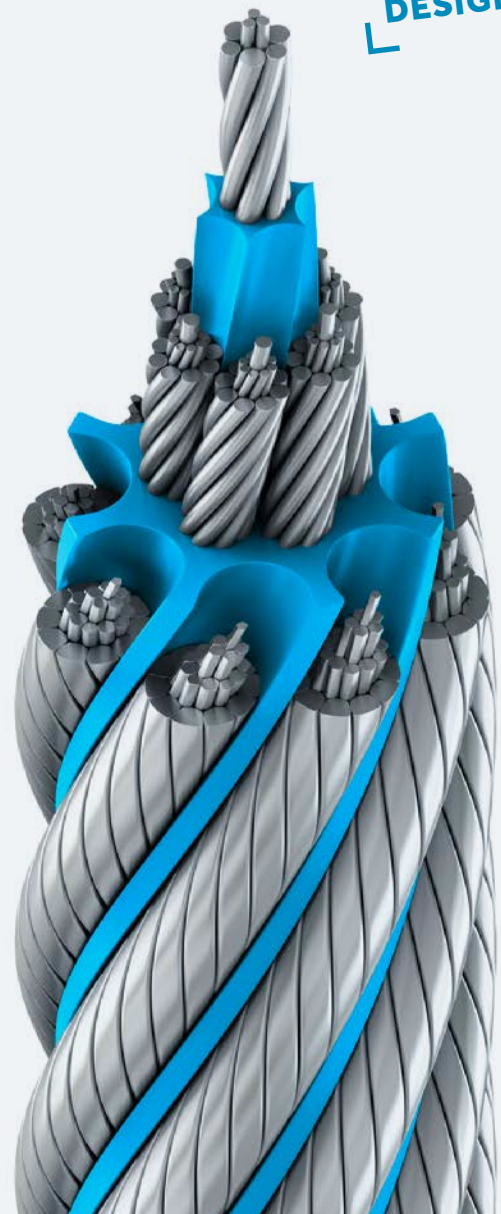
High performance hoist rope for a wide range of drum and koepe friction winder applications. Rope design and manufacturing parameters are adjusted according to the application, i.e. Turboplast MD and Turboplast MF. Our CASAR Turboplast M with compacted strands offers an excellent fatigue resistance as well as a good resistance to drum crushing.



Scan to browse our newest
Underground Mining catalog!

Drum
Winder

Shaft Sinking

Koepe Winder
head rope

ROPE LIFE RECORD IN A SOUTH AFRICAN PLATINUM MINE

Turboplast M Lifetime:
57 Months
Turboplast M Cycle:
402,000 Cycles

3.4 TIMES LONGER SERVICE LIFE

**COST SAVING TOTAL:
50% LESS FOR TURBOPLAST M**

Original Lifetime:
16.7 months
Original Cycles:
116,800 Cycles



The service life of wire rope in Mine Winding is critically important, not only due to the high cost of materials, but more importantly the down time in production during a failure or changeover. Call now to learn how Casar's ropes saved millions of Dollars for Mining Operations all around the world.

Casar has been a leader in the development and production of high-performance ropes for underground mining since its foundation in 1948. The clearly defined task has always been to increase the service life of the ropes used in order to be able to extend the replacement intervals and hence save money for the mine. At the same time, the CASAR engineers are pursuing the goal of placing the safety reserves in an area that is optimal for mining operations until they are ready for discard. Larger intervals for changing the rope must never be at the expense of operational safety!

In this South African platinum mine, the aim was to extend the service life and thus the rope replacement intervals. Traditionally, triangular strand ropes were used in this mine, which averaged a service life of 16.7 months and 116,800 cycles. The Casar experts suggested a Turboplast M, a compacted eight-strand rope with a plastic-coated heart. This proven construction is characterized by good wear resistance, pressure stability and a long service life. The rope was discarded after 57 months and 402,000 cycles. That is almost 3.5 times the original rope life!



← **For more information please do not hesitate to contact us.**

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