

Verope's innovative rope design **veropro 8 RS**

“No wear no tear” with verope special wire ropes designed and optimized on port handling crane applications

Negative Imprints on sheaves and drums or narrow sheave grooves are often detected in the field of port applications like harbour mobile cranes or ship to shore cranes. As a consequence operators are confronted with downtimes, enormous maintenance or installation costs.

Verope's veropro 8 RS is a non-rotation resistant steel wire rope with eight outer strands that is specially designed to show beneficial characteristics in that rough environment. It offers a more continuous and much rounder surface due to the rotary swaging of the rope. The formation of negative imprints can be better avoided with this innovative solution because of the much better contact situation with a larger contact area between the rope and the moving parts of rope guidance. Abrasion is significantly reduced and the harmfulness of multi-layer spooling to the lifetime of the rope is decreased because a sticking of the outer wires of different layers on the drum is less pronounced. This well-balanced construction shows also a good spooling behaviour as a consequence of a high structural stability. As result of the higher metallic cross section the **veropro 8 RS** construction can be used with smaller diameters as the unswagged counterparts but still reaches the required minimum breaking load to fit better into narrow sheave grooves.

During the development of this rope **verope** could benefit from the well-equipped R&D Centre in Germany with state of the art machinery equipment to test this innovative rope construction.

