

world of rope

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OUR BRAND-NEW SYNTHETIC HOIST ROPE LANKO®LIFT S

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NEW AND IMPROVED STEEL WIRE ROPES PRESENTED AT BAUMA

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WIRECO WORLDGROUP ATTENDED
"LIFTING INNOVATION 2016" EVENT IN THAILAND



YOUR ROPE IS
OUR PASSION

Bauma sets new records for the industry and for WireCo

This year, Bauma again exceeded even its own expectations, featuring more visitors, more exhibitors and more events. A record-setting number of 580,000 visitors attended the fair and our booth was certainly not complaining about a lack of visitors. Numerous trade visitors made their way to Hall B3 to keep abreast of the trends, view the latest innovations and also to meet the rope specialists from our technical and sales teams. Our experts from product development, sales and customer service held a series of information sessions

and gave some fascinating insights into the latest product and technological developments. This led to some lively discussions about the optimal deployment of our products.

We would like to extend our warm thanks to all the visitors who came to see us at our booth. They were able to experience and get to know our new products at first hand. For those who did not get this opportunity, we have put together a list of the highlights in this „Bauma special edition newsletter“.



Andreas Schmeiss
WireCo WorldGroup
VP Global Cranes

Dear Customers

Another Bauma event has come to an end, exhausting but also successful, for the industry as a whole as well as for us as a company. What will stay with me the most, in addition to the record number of visitors, are the many personal discussions I had with visitors from all over the world. Our new product development efforts, our research and development activities met with a high level of interest and this shows that there are clearly

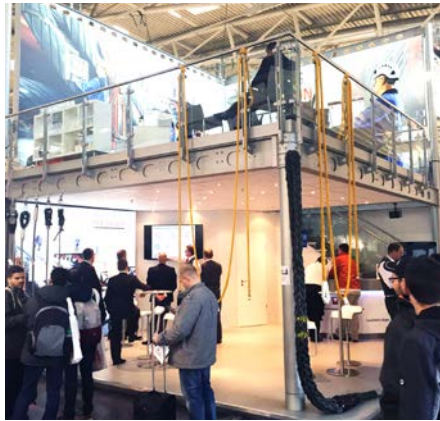
further opportunities for innovation in the crane rope category. This is especially true, of course, for the new synthetic hoisting ropes, where our Lanko®Lift S product is setting new standards. If you were not able to make it to the Bauma or to our booth, then you are going to find our latest newsletter an exciting read. I hope you enjoy it!

Sincerely yours,
Andreas Schmeiss
Andreas Schmeiss
VP Global Cranes

Bauma impressions



Stampede of visitors at the start of the fair



Fascinating presentations at ground level



Intense discussions with customers at upper floor

The brand-new synthetic hoist rope Lanko[®]Lift S

Synthetic hoist ropes for crane applications were one of the hottest topics at the show and WireCo premiered its latest development in this product category. This bright yellow rope, made by Lankhorst Ropes, consists of 12 braided outer strands made of the high-tech material Dyneema[®]. The properties of these special fibres result in a breaking strength equal to a steel rope of the same diameter. The construction of the rope core is specially designed to achieve the required resistance to transverse pressures.

Laboratory tests have produced excellent results for breaking strength and projected service life based on the reversed bending cycles completed during testing. An additional noteworthy feature is the special coating treatment applied to the fibres to reduce interior friction and increase UV resistance. Further laboratory testing and initial trials using crane equipment are in the planning phase.

Many of the visitors picked up the rope to feel

its quality and they were suitably impressed by its extremely low weight and great flexibility. Not only do these characteristics make the handling of the product so much easier during installation and hook block changes, they are also suitable for higher payloads, especially with higher lifting heights and longer jib lengths. The low maintenance requirements are a further advantage that is immediately realizable, since synthetic ropes of this type are corrosion-proof and require no further lubrication.

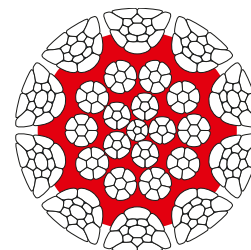
Our projections indicate that, despite the slightly higher price of the Lanko[®]Lift S in comparison to conventional steel ropes, operators will benefit overall in terms of cost savings and other improvements. The entire crane industry is following these developments with significant interest and an industry-wide initiative is now getting under way to develop new industry norms for the calculation and establishment of appropriate discard criteria for synthetic ropes.



Strong, stronger, strongest: CASAR Superfit

When it comes to maximum breaking strength, CASAR offers a wide range of specialized constructions. Our rope specialists are now working on a logical extension to our 10-strand CASAR Superplast 10 Mix product, a hammered version that combines the great reversed bending characteristics of this construction with even higher breaking strength and an extremely smooth rope surface. The product features of

the CASAR Superfit include excellent spooling performance on multiple-layer drums and it also enables higher rope tensile forces. This rope generally finds use in applications where high-payload luffing ropes for mast and jib adjustments on crawler cranes and large mobile cranes are required, as well as for specialised spooling and indoor crane requirements and in general, in all applications where a special rope with a high breaking load is required.

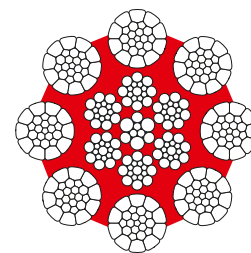


CASAR Superfit

New and improved CASAR Turboplast

There is still room for improvement in our perennial best sellers. Applying the principle of continuous improvement to the materials used and our production

processes has enabled us to increase breaking strength as indicated in numerous table values and also to lengthen rope service life in our Turboplast product.



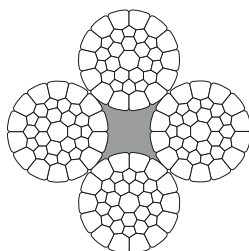
CASAR Turboplast

New developments to our OLIVEIRA rope range

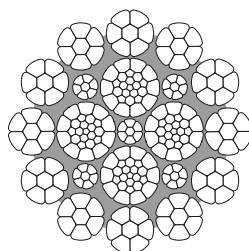
The OLIVEIRA DC 4 K 4-strand compacted hoisting rope is a new addition to our catalogue. The main applications for this rope are ship and deck cranes.

The OLIVEIRA TC 12 K rope has been developed specifically for tower cranes. Designed with specifications ideally suited for small to medium-sized cranes and with an attractive price point, this rope has met with a lot of interest among many of our customers.

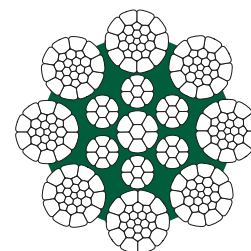
We have also upgraded the OLIVEIRA HD 8 K PPI product. The new and improved version introduced at the Bauma features a higher breaking load.



OLIVEIRA DC 4 K



OLIVEIRA TC 12 K



OLIVEIRA HD 8 K PPI

New grease improves corrosion protection

We actively conduct research in the area of rope lubrication, which in turn improves the characteristics of our products. With the use of special additives in the grease for CASAR rotation resistant ropes we have achieved significantly improved corrosion protection. Standardized

tests conducted in a salt spray chamber resulted in a threefold increase in protection levels. This remarkable improvement was achieved without any deterioration in the other tribological properties. The images clearly indicate the significant improvements in corrosion protection, in this case after 21 days in the salt spray chamber.

Old product

uncleaned



cleaned



New product

uncleaned



cleaned



WireCo WorldGroup attended „Lifting Innovation 2016“ event in Thailand

Our distribution partner Lee&Steel, together with Siam Marine, jointly hosted a professional 2-day rope and hoisting equipment event in Thailand, which was fully focused on heavy lifting and featured the latest innovations in the industry. Both sessions of "LIFTING INNOVATION 2016", held in Bangkok and Songkhla, were extremely well attended, with a total of over 200 interested participants from the crane and offshore business.

Markus Klinck, product manager at WireCo, gave a presentation on the latest innovations in the special ropes category to an interested audience, providing them with plenty of technical knowledge and offering problem-solving propositions for critical application areas

and in so doing, clearly emphasized the high level of technical expertise of the WireCo WorldGroup. In addition to the presentations, participants also enjoyed many opportunities for individual or group discussions, where they could ask questions and were also able to receive further information. In many cases, these sessions led to detailed discussions, reflecting just how much interest there is in this region for high-quality products.

Thanks to the efforts of our partner Lee&Steel and the organisational skills of Mr Suviroje Leelaprachakul (Sales & Marketing Manager), the event was a resounding success for everyone involved and it was agreed to hold further events like this to which we would be more than happy to contribute further interesting topics.



NEXT ISSUE WILL BE PUBLISHED IN

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PLANNED TOPICS:

- 5S IN THE FABRICATION DEPARTMENT
- CASAR DOUBLEFIT IN SERIES PRODUCTION
- SPECIAL ROPES FOR AUSTRALIAN RAILWAY

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