



HOISTING ROPE FOR HARBOUR CRANES AND INDUSTRY

# EVOLUTION Q8



**NEW!**

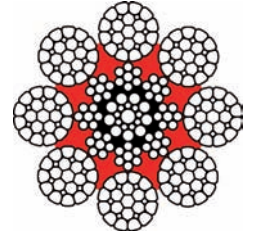


TOGETHER IN MOTION



# EVOLUTION Q8

**Endurance is everything.** EVOLUTION Q 8 – the high-performance hoisting rope for harbor cranes and industrial applications – impresses with its exceptionally long service life and high breaking strength. Due to its innovative outer compaction. **EVOLUTION Q 8. Lasts much longer!**



## YOUR ADVANTAGE

### Highest service life (up to + 40%)

Compared to conventional and similar products, our new EVOLUTION Q 8 exhibits, both in the test lab and in practical use, a service life until reaching the discard criteria which is up to 40% longer compared to the forerunner rope, especially with single-layer winding.

### Higher minimum breaking force (approx. + 5%)

Due to an innovative rope design in combination with compacted outer strands, the breaking strength was increased considerably as compared to conventional 8x25 steel ropes (approx. +20%) and vis-à-vis competitor products (approx. +5%).

### Best performance with multi-layer winding

As a result of the compacted outer strands, EVOLUTION Q 8 is ideal for multi-layer spooling – even under difficult conditions. This permits its long and faultless use in permanent operation and helps reducing downtime to a minimum.

## SUITED FOR USE ON:

- Van Carriers
- Mobile harbor cranes
- RTG-, und RMG- cranes
- Ship-to-Shore cranes
- Loading bridges
- Floating cranes
- Cable dredgers in grab operation
- Indoor overhead cranes with low lifting height

## ⚠ WARNING

Using the products may be dangerous. Our products must not be used for other than the intended purposes. The customer has to ensure that the user is familiar with the correct application and the necessary precautions. Please bear in mind that every product may cause damage when used improperly or when overstressed. Reserved to technical changes, typesetting errors, and misprints.

# EVOLUTION Q8



The power of innovation and quality awareness for the benefit of our customers. Long-term experience, research & development and exceptional quality have made us one of the leading rope producers in the world.

| nominal diameter<br>[mm] | weight per meter<br>[kg/m] | rope grade |        |
|--------------------------|----------------------------|------------|--------|
|                          |                            | 1770       | 1960   |
| 12                       | 0,67                       | 110,2      | 122,0  |
| 14                       | 0,91                       | 149,9      | 166,0  |
| 16                       | 1,19                       | 196,0      | 217,0  |
| 18                       | 1,50                       | 247,4      | 274,0  |
| 20                       | 1,85                       | 306,1      | 339,0  |
| 22                       | 2,29                       | 370,3      | 410,0  |
| 24                       | 2,49                       | 440,7      | 488,0  |
| 26                       | 2,92                       | 516,6      | 572,0  |
| 28                       | 3,55                       | 599,6      | 664,0  |
| 30                       | 4,14                       | 688,1      | 762,0  |
| 32                       | 4,62                       | 783,0      | 867,0  |
| 34                       | 5,35                       | 884,1      | 979,0  |
| 36                       | 5,97                       | 990,7      | 1097,0 |
| 38                       | 6,69                       | 1104,4     | 1223,0 |
| 40                       | 7,41                       | 1223,6     | 1355,0 |
| 42                       | 8,17                       | 1349,2     | 1494,0 |
| 44                       | 8,95                       | 1480,1     | 1639,0 |
| 46                       | 9,80                       | 1618,3     | 1792,0 |
| 48                       | 10,65                      | 1761,9     | 1951,0 |

## EVOLUTION Q8 TECHNICAL DATA

### SPECIFICATIONS EN 12385-4

8xK25F-EPIWRC (K)  
12-48 mm: RCN 6  
Rope grade: 1770, 1960  
Number of wires in outer strands: 200



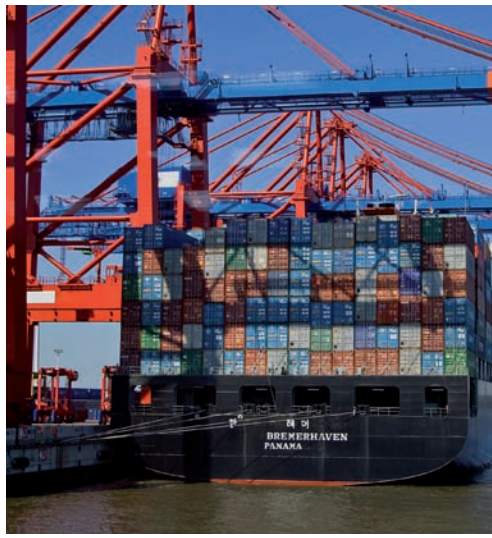
SYMBOL PICTURE

- PLASTIFILL™
- SUPERFILL®
- MULTI-LAYER SPOOLING

### **⚠ ATTENTION**

Our rope recommendations are non-binding but based on many years of experience. Please note the special characteristics of your system and contact us to find the best rope for you. Langs lay ropes may only be used for multi-layer winding (on the drum) or must be subjected to regular, nondestructive testing procedures. Further diameters upon request.

PLASTIFILL™ and SUPERFILL® are in some countries registered trademarks of TEUFELBERGER.



## YOUR BENEFIT WITH TEUFELBERGER:

### EXPERTISE

Our special steel wire ropes are designed for fulfilling the requirements of your application in an optimal way.

### HIGHEST QUALITY

Only high-strength material and state-of-the-art production processes are used for our products.

### SERVICE AROUND THE CLOCK

Our 24-hour hotline and top service team ensure that our experts are available within the shortest time possible wherever required.

### EXPERT CONSULTANCY

TEUFELBERGER's network of consultants ensures that expert support is close to you. Our staff is especially trained for your application which translates into cooperative development of the most useful answer to any problems which may occur.

### DELIVERY RELIABILITY

TEUFELBERGER's management of orders ensures optimal processing in production and logistics.

### RESEARCH AND DEVELOPMENT

Our R&D department provides permanent product improvement in terms of safety, reliability and service life.

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