

## **IMPRESSIVE WITH ENHANCED BREAKING STRENGTH! THE NEW EVOLUTION TK 16<sup>plus</sup>**

Crane ropes must be able to resist tremendous loads in a vast variety of applications. Optimal spooling behavior in multilayer winding, dimensional stability to lateral pressures, high resistance to impact loads, and, most importantly, enormous breaking strength: these characteristics are key in ensuring the ropes' successful use and long service lives. Endeavoring to meet each of these requirements in the best possible manner, TEUFELBERGER, the specialist rope maker headquartered in Wels, Austria, never ceases to develop and upgrade its range of high performance ropes. The latest coup: the relaunch of its long-proven EVOLUTION TK16 high performance rope. The key plus factor of this rope upgrade, whose name aptly includes the suffix "plus", is its increased breaking strength with up to plus 7%.

### **EVOLUTION TK16<sup>plus</sup> – the upgrade of a classic**

Among crane manufacturers and crane operators around the globe, EVOLUTION TK16 is considered as one of the best hoisting ropes for various applications in specialist foundation engineering, but also for other fields of use such as on (heavy lift) vessel cranes and offshore platforms. Like all the other ropes of the non-rotating TK series, EVOLUTION TK16 is not prone to any rotation of the hook blocks, even at large lifting heights. As a result, it facilitates the accurate "positioning" of heavy loads. Thanks to its cutting-edge design developed with the support of state-of-the-art software solutions and incorporating SUPERFILL<sup>®</sup> compaction technology where every strand is compacted according to a special method, this rope provides tremendous breaking strength. In addition, by using the PLASTFILL<sup>™</sup> process, the greased steel core of EVOLUTION TK16 is overmolded with a plastic coat. This ensures high resistance to compressive loads and lateral pressures and helps reduce wear on the rope's core.

Improved setups in production with even narrower tolerances have allowed TEUFELBERGER to take minimum breaking strength to yet another level with its new EVOLUTION TK 16<sup>plus</sup>. Now it has become possible to manufacture strength class 1960 ropes on request with the most common diameter sizes that offer up to 7% more breaking strength. Thus, EVOLUTION TK16<sup>plus</sup> provides even more safety and reliability in use and thus also enhanced productivity, long-term cost savings, and increased competitiveness.

### **TEUFELBERGER invests in the future**

The name TEUFELBERGER stands for a dynamic group of companies with three strategic business divisions and more than 220 years of experience. In 2012, 800 highly motivated employees generated revenues of about EUR 165 million. Continued investments in the expansion of manufacturing capacities aim to bring about further increases in revenues during the next few years. New manufacturing facilities and upgrades have already made it possible to produce steel wire ropes having diameters of up to 80 mm and to shorten delivery periods for steel wire ropes.

In addition to making Steel Wire Ropes for ropeways, cranes, and forestry applications, TEUFELBERGER is active in the following segments: Synthetic Fibers (fiber ropes for marine applications, high performance ropes for industry, forestry, aboriculture, and various other special

applications, braided fiber composites for composite components and metal-to-composite interconnection technologies) as well as Extrusion (plastic strapping and baler twines). TEUFELBERGER operates production facilities in five locations: two sites in Wels (Upper Austria; all products), and one each in St. Aegyd (Lower Austria, steel wire ropes), Veselí nad Lužnicí (Czech Republic, fiber ropes), and Fall River (U.S., fiber ropes).

For more information, please visit: [www.teufelberger.com](http://www.teufelberger.com)!

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