



HOISTING ROPE FOR CONSTRUCTION CRANES

PERFECTION TK15



NEW!
ROTATION IS OUT!



TOGETHER IN MOTION

HOISTING ROPE FOR CONSTRUCTION CRANES

PERFECTION TK15

Rotation is a thing of the past – the future is called PERFECTION TK15. Check out this perfect combination of exceptional torsional stability and high breaking strength, excellent durability and optimum spooling. The new generation of high-performance hoisting ropes for construction cranes has arrived.

PERFECTION TK15. Non-rotating. Cost-efficient. Safe.

PERFECTION TK15 offers you the following advantages compared to its predecessor:

Higher minimum breaking force (approx. + 10%)

An entirely new rope construction, combined with higher compaction, substantially enhanced breaking strength vis-à-vis TK 12 and comparable competitor products.

Longest service life (approx. + 15%)


In the crane rope testing facility, the new PERFECTION TK15 reaches – compared to its predecessor product – a 15% longer service life until reaching the discard criteria. Also in practical use, a significant improvement of the life time compared to competitor products was observed.

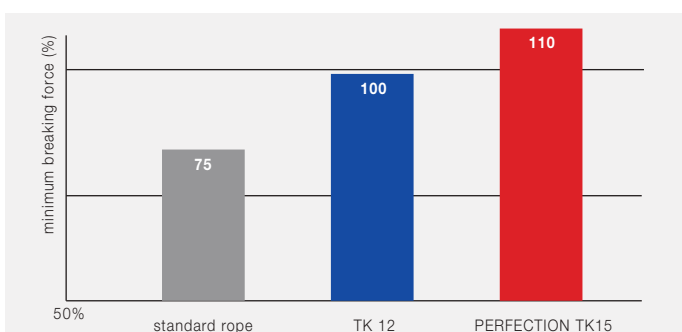
Excellent torsional behavior and best performance

PERFECTION TK15 achieves a markedly improved torsional behavior, especially at large hoisting heights (e.g. on tower cranes) and heavy loads. This allows the user to move goods with high precision. Above all, even in difficult conditions the rope winds up perfectly on the drum and ensures long-term and faultless continuous use.

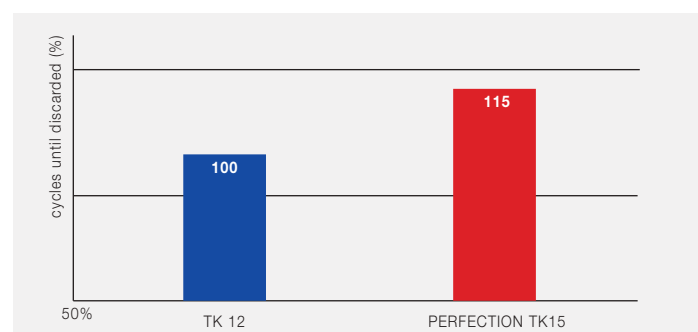
Applications

High-performance hoisting rope for tower cranes and mobile cranes, cable-operated excavators, and pile drivers.

SPECIFICATIONS	EN 12385-4
16 x 7-IWRC (K)	
8-22 mm: RCN 23-2	
Rope grade: 1770, 1960, 2160	
Number of wires in outer strands:	
112	
	
<small>SYMBOL PICTURE</small>	
<input type="checkbox"/> PLASTIFILL™	
<input checked="" type="checkbox"/> SUPERFILL® (inner rope)	
<input checked="" type="checkbox"/> MULTILAYER WINDING	



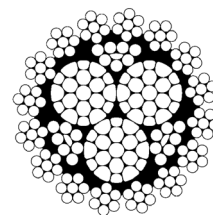
Comparison of minimum breaking force



Comparison of service life



PERFECTION TK15 is the result of a clear demand of the market and highest-level development efforts. And this result is quite impressive: significantly increased breaking force values in the same rope grade are apparent advantages over the predecessor product and other commercially available ropes.



nominal diameter [mm]	weight per meter [kg/m]	minimum breaking force [kN]		
		1770	1960	2160
7	0,23	36,5	40,4	42,9
8	0,31	47,6	52,8	56,0
9	0,37	60,3	66,8	70,8
9,2	0,39	62,9	69,7	76,8
10	0,45	74,4	82,4	87,4
10,3	0,48	76,0	84,0	-
11	0,54	90,0	100	106
12	0,64	108	119	126
13	0,81	126	140	148
14	0,91	146	162	172
15	1,07	167	186	197
16	1,16	191	211	224
17	1,32	215	239	253
18	1,46	241	267	284
19	1,64	269	298	316
20	1,88	298	330	350
21	2,01	328	364	386
22	2,20	360	399	423
23	2,40	394	436	463
24	2,69	428	475	504

The current standard product range with a rope grade of 1770, lang's lay, ungalvanized is in stock.

ATTENTION

Use of the products can be dangerous. Our products are to be used only for their intended purpose. The customer must ensure that the user is familiar with the proper application and the necessary safety procedures. Be aware that every product can cause harm if it is used improperly or overstressed.



CUSTOMER FEEDBACK

Noticeable improvement in day-to-day practical use

As a long-standing customer of TEUFELBERGER, we had so far used the TK 12 hoisting rope on our tower cranes. In summer of 2008, we were one of the first customers to be invited to test the new PERFECTION TK15 high-performance hoisting rope which at that point was still undergoing development. In addition to the significantly optimized technical specifications of this rope (higher breaking strength, better torsional behavior), the last five months have shown that this rope also performs much better in practical use. Especially at large lifting heights and under high loads, PERFECTION TK15 remains stable and does not rotate. In addition, it winds flawlessly on the drum. To date, the rope is not showing any significant signs of wear, which implies that we may expect a very long service life. Summing up, investing in this high-quality hoisting rope for tower cranes does, as far as we are concerned, definitely pay off!

Franz Tuttner, crane supervisor, Porr AG



TEUFELBERGER Seil Ges.m.b.H.
Böhmerwaldstraße 20
4600 Wels, Austria
T +43 7242 615-0
F +43 7242 60501
E wirerope@teufelberger.com

www.teufelberger.com



TOGETHER IN MOTION