



OIL AND GAS

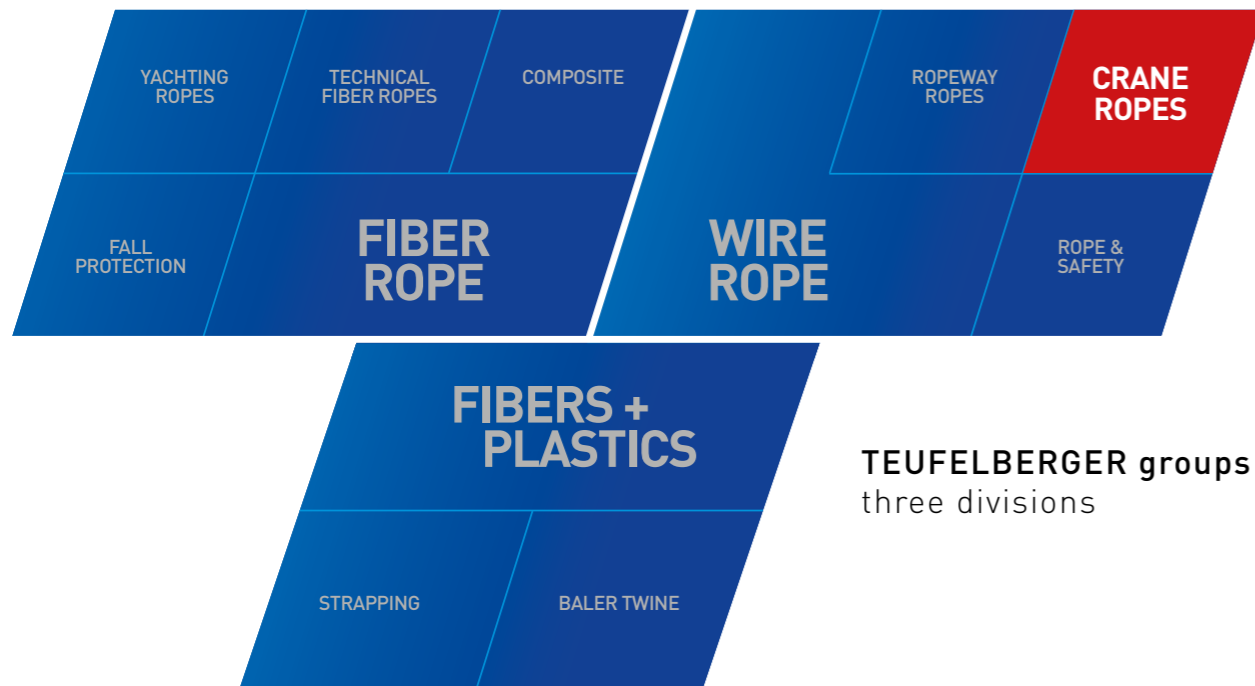
SPECIAL STEEL WIRE ROPES



TOGETHER IN MOTION

TEUFELBERGER SEIL GES.M.B.H.

220 YEARS OF SUCCESS



1790	1901	1931	1961	1965	1986	1998	2001	2007	2012
Establishment of a ropery in Wimsbach	Martin Teufelberger relocates his hemp ropery to Wels, Vogelweidstrasse	Production of the first steel rope	Shift from the use of natural to synthetic fibers	Production of the first plastic strapping	A second site in Wels, Boehmerwaldstrasse, goes on line	Opening of the rope factory in Veseli, Czech Republic. Sewing up of ropes and harnesses	Acquisition of the St. Aegydy factory. Production of ropeway ropes of steel for the whole world	Acquisition of New England Ropes in Fall River, USA. Production of fiber ropes	Start of the Composite Technology Center

5 LOCATIONS



TEUFELBERGER Ges.m.b.H.
Wels headquarters, Austria
strapping, baler twines, fiber ropes



TEUFELBERGER Seil Ges.m.b.H.
Wels Wire Rope, Austria
wire ropes



TEUFELBERGER Seil Ges.m.b.H.
St. Aegydy Wire Rope, Austria
wire ropes



JIHOTEX spol s.r.o.
Veseli, Czech Republic
fiber ropes



New England Ropes Corp.
Fall River, USA
fiber ropes

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⚠ WARNING

Using these products may prove hazardous. Therefore, never use our products for purposes other than those they were designed for. Customers must ensure that all persons using these products are familiar with their correct use and the related necessary safety precautions. Please bear in mind that any of these products may inflict harm when used incorrectly or subjected to excessive loads.

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TEUFELBERGER SEIL GES.M.B.H.

WE OFFER MORE ...

In manufacturing, research & development, and marketing & sales, we at TEUFELBERGER Seil Ges.m.b.H. focus exclusively on high quality special purpose steel wire ropes. Breakthrough technologies and top quality products are the base of our success.

TEUFELBERGER SERVICE

Expert advice

TEUFELBERGER's network of experts provides competent support close to you. This allows us to find the best possible solution for your needs.

24-hour hotline: +43 (0) 7242-615-388

Customized solutions and products

Joint development efforts with crane and equipment manufacturers and close co-operation with our suppliers ensure that our products satisfy all your requirements. Working together with you, the team from TEUFELBERGER will determine the best solution.

QUALITY & EXPERTISE

Top quality

TEUFELBERGER processes only high quality raw materials in its cutting-edge manufacturing facilities. The comprehensive quality testing of primary materials and final products as well as the certification to ISO 9001 guarantee the consistent high quality of our steel wire ropes.

Competence

Our special ropes are designed for fulfilling the requirements of your application. World-wide reference projects are a testament to the high quality of our work. We provide test certificates to ABS, DNV, BV, RINA, GL, LR, RS, NKK, CCS – depending on your needs.



RESEARCH & DEVELOPMENT

Innovative products

As customer requirements change, our products must satisfy new, higher demands. Our R & D department provides innovation and permanent product improvement in terms of safety, reliability, and durability.

Successful partnerships

Intensive partnerships with a sizable number of key users in the sparepart market are clear examples of our focus on our customers' needs. Also, the long-standing cooperation with universities and research institutions ensure the lively exchange of ideas toward the development of new and existing products

PLASTIFILL™ INSERT

The lubricated steel core is covered in a tight synthetic coat. This provides the following advantages:

- Long service life due to the permanent lubrication and the reduction of friction between the rope's core and its outer strands
- Resistance against crushing and lateral pressures as well as to environmental influences and the ingress of dirt
- Higher breaking forces due to reduced surface pressures in the rope
- Reduced internal abrasion by exact strand position with consistent gaps

SUPERFILL® COMPACTION TECHNOLOGY

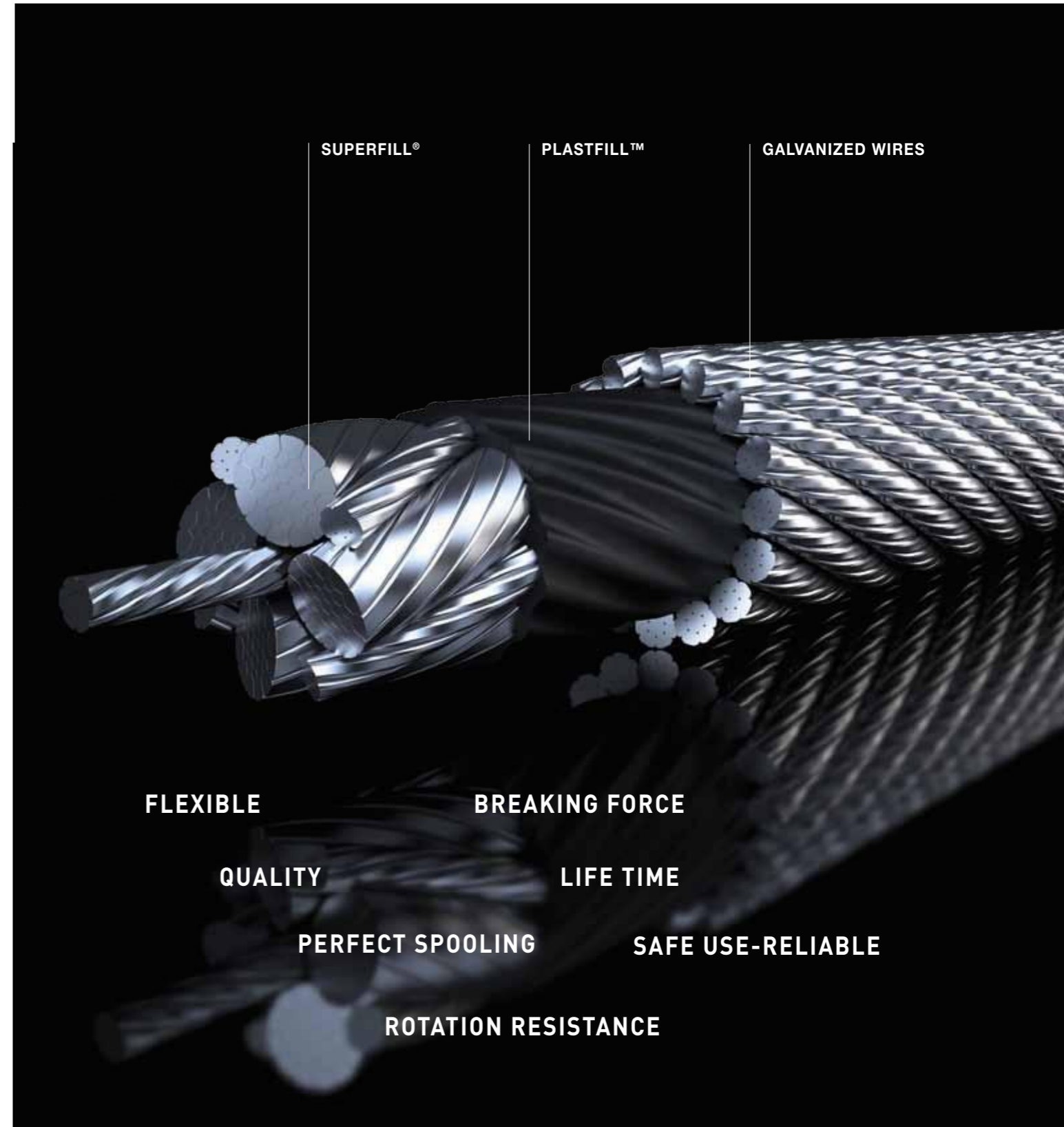
Each rope strand is compacted by a special process in order to significantly improve the rope's properties:

- Up to 30% greater breaking forces than in non-compacted ropes
- Prolonged service life due to lower specific loading
- Less abrasion on the rope and on reels and drums due to the rope's smooth surface
- Resistance against crushing in multilayer operations

GALVANIZED WIRES

Our steel wires are galvanized before they are drawn in order to achieve high wire precision. This ensures optimal stability and service life. In combination with the PLASTIFILL™ technology, this galvanization ensures exceptional corrosion resistance.

OUR TECHNOLOGIES, YOUR BENEFIT



ROPES FOR OFFSHORE CRANES & WINCHES

Demanding the highest and permanent use in extreme environmental conditions is characteristic for offshore cranes and offshore winches. High reliability is very important offshore, while safety and reliability are crucial factors for steel wire ropes in use. TEUFELBERGER ropes serve to demonstrate these factors daily on numerous cranes working on offshore platforms throughout the world.

ROPES

■ EVOLUTION TK16 & EVOLUTION TK18

Rotation resistant ordinary lay or lang's lay rope. Featuring a revolutionary design, extremely high breaking force and high flexibility, perfectly suited as a hoisting rope in multi- or single-layer spooling.

- Extremely resistant against corrosion and to external environmental influences due to the **PLASTFILL™** insert (between the inner rope and outer strands)
- Excellent spooling results for multilayer spooling enable extremely challenging lifting operations due to its flexibility
- Longer service life for best profitability and highest breaking forces due to rope structure combined with the innovative **PLASTFILL™** and **SUPERFILL®** technology
- Efficient handling and high operational safety due to lowest twist and high torsional stability
- High rotation resistance due to its advanced balanced design suitable for high lifting and deep-water usage
- Special lubrication solutions on demand for high temperature application (AHC)

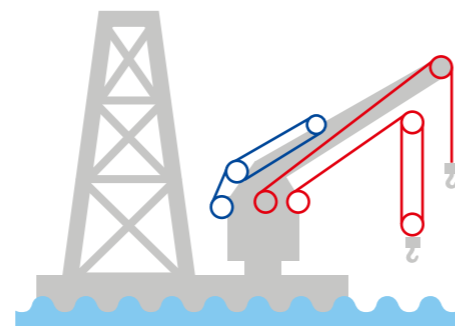
■ QS 816 V(G)

Extremely resistant 8-strand ordinary lay or lang's lay rope with **PLASTFILL™** insert. Especially suited as boom hoist rope in single-layer and multilayer spooling.

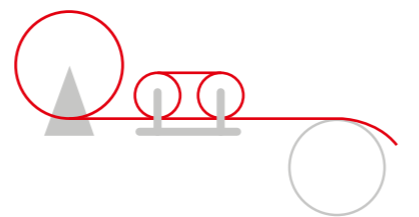
- Reliability and safety in operation as a result of its extremely high breaking forces, especially provided by complete **SUPERFILL®** compaction technology throughout the whole cross section
- Long service life due to **PLASTFILL™** insert and the reduced rope abrasion, resulting from the smooth rope surface
- Optimal spooling characteristics due to the high form stability against lateral pressure
- Trouble-free operation due to excellent resistance against shock and vibrations

APPLICATIONS

The colored squares preceding the rope's designation refer to the illustration.



Offshore Cranes



Offshore Winches

ROPES FOR MARINE RISER TENSIONER

Riser tensioners are important installations on floating oil platforms in order to equalize permanent sea disturbances. Permanently exposed to tensile load and high bending cycles under harsh environmental conditions are the challenges for these ropes. TEUFELBERGER riser tensioner ropes perfectly meet all requirements and demonstrate these on numerous platforms all over the world.

ROPES

■ QS 814 VG

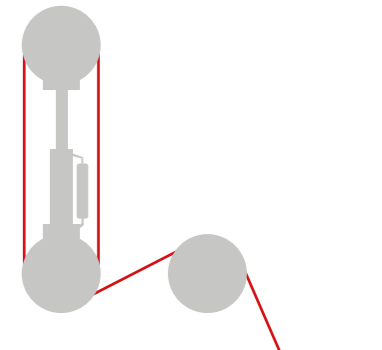
Galvanized 8-strand lang's lay rope, featuring **SUPERFILL®** compaction technology especially developed for the use as riser tensioner rope.

- Reliability and safety in operation due to highest breaking forces achieved by **SUPERFILL®** technology
- Excellent bending fatigue performance and high flexibility due to the 8-strand construction and the high number of wires in the outer strands

- Longer service life due to reduced rope abrasion as a result of the smooth rope surface
- Highest resistance against corrosion due to galvanized wires and the permanent lubrication provided by **PLASTFILL™** insert
- Less fatigue on sheaves due to better distribution of pressure of the 8-strand construction

APPLICATIONS

The colored squares preceding the rope's designation refer to the illustration.



Marine Riser Tensioner



ROPES FOR DRILLING OPERATIONS

Extreme environmental conditions and high load bending over sheaves present tough application for drilling lines on platforms around the world. The use of TEUFELBERGER high performance steel wire ropes with PLASTFILL™ insert significantly contributes to the high reliability of the platform.

ROPES

■ EXECUTION QS6

6-strand ordinary lay rope with SUPERFILL® compaction technology and PLASTFILL™ insert, suited as drill line

- High breaking force for reliability and safety operations due to SUPERFILL® compaction technology
- Extremely robust and outstanding resistance to wear and tear due to the PLASTFILL™ insert
- Optimal spooling results and easy to handle due to the flexibility of the rope
- Longer service life due to reduced rope abrasion as a result of the smooth rope surface
- Permanent lubrication of core due to PLASTFILL™ insert

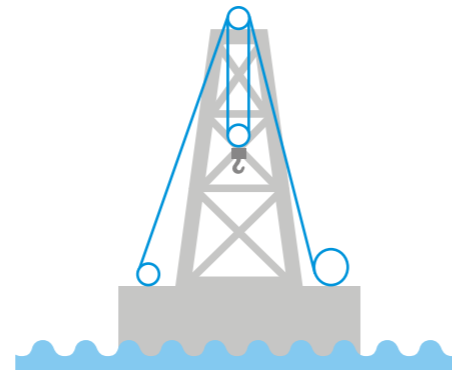
■ EXECUTION Q6

6-strand ordinary lay rope with PLASTFILL™ insert, suited as drill line

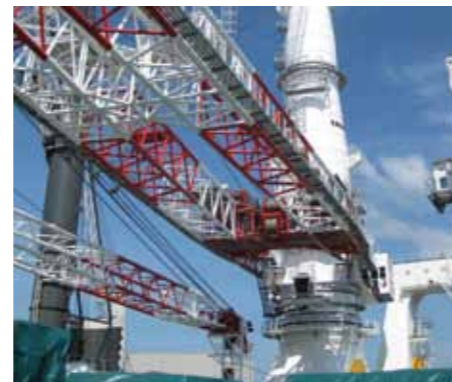
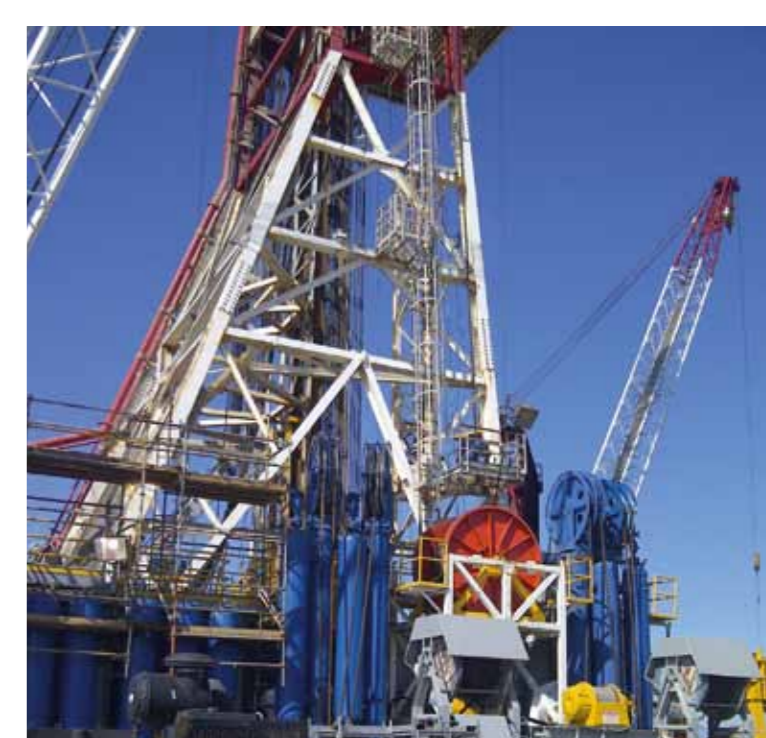
- Resistance to wear and extremely robust due to the PLASTFILL™ insert
- Perfect spooling results due to the flexibility of the rope
- Non-compacted and cost-effective high performance rope for drilling operations

APPLICATIONS

The colored squares preceding the rope's designation refer to the illustration.

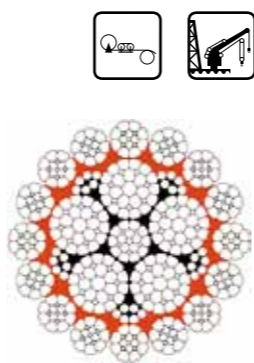


Drilling Operations



EVOLUTION TK18

The **EVOLUTION TK18** is our high-performance rope for large cranes and winches, mainly for the offshore industry which operate under hardest conditions. This rope offers excellent dimensional form stability, high resistance against corrosion and optimal lubrication especially due to the Pro Active Core Lubrication in combination with PLASTFILL™ insert. Best choice for cranes in combination with active heave compensation.



SPECIFICATIONS

- Ordinary lay or lang's lay, right or left lay
- 16 x K17F - EPIWRC (K), RCN 27
- Pro active lubrication

- MULTILAYER SPOOLING
- SUPERFILL®
- PLASTFILL™



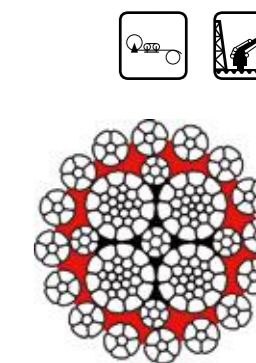
TECHNICAL DATA

Nominal Ø	Weight			Minimum breaking force at rope grade			
	In air		submerged	1770 N/mm ²		1960 N/mm ²	
[mm]	[kg/m]	[lbs/ft]	[kg/m]	[kN]	[lbs]	[kN]	[lbs]
44,45	9,48	6,36	7,89	1.641	368.911	1.817	408.478
46	10,24	6,87	8,54	1.758	395.214	1.960	440.626
48	11,12	7,46	9,27	1.914	430.284	2.119	476.370
50	12,40	8,32	10,39	2.076	466.703	2.299	516.836
50,8	12,98	8,71	10,90	2.143	481.766	2.374	533.696
52	13,61	9,13	11,43	2.246	504.921	2.487	559.100
54	14,48	9,72	12,13	2.422	544.487	2.682	602.938
56	15,28	10,25	12,75	2.605	585.627	2.884	648.349
58	16,80	11,27	14,09	2.794	628.116	3.094	695.559
60	17,92	12,02	15,02	2.990	672.179	3.311	744.342
62	18,90	12,68	15,81	3.193	717.815	3.536	794.924
64	20,43	13,71	17,13	3.402	764.800	3.767	846.855
66	21,14	14,18	17,63	3.618	813.359	4.006	900.585
68	22,44	15,06	18,72	3.841	863.491	4.253	956.112
70	23,91	16,04	19,97	4.070	914.972	4.507	1.013.214
72	25,40	17,04	21,23	4.306	968.027	4.768	1.071.889
74	26,90	18,05	22,49	4.548	1.022.431	5.037	1.132.363
76	28,07	18,83	23,42	4.798	1.078.633	5.313	1.194.410
78	29,80	20,00	24,90	5.053	1.135.960	5.596	1.258.031
80	31,40	21,07	26,25	5.316	1.195.084	5.887	1.323.450

Other rope diameters are available on request.

EVOLUTION TK16

Revolutionary design, high quality materials, and perfectly harmonized production processes – EVOLUTION TK16 combines all the characteristics of a rotation resistant rope needed for your application: Extremely resistant and best flexibility!



SPECIFICATIONS

- Ordinary lay or lang's lay, right or left lay
- 8 – 30mm: 16 x K6-EPIWRC (K), RCN 23-1
- 32 – 42mm: 16 x K7-EPIWRC (K), RCN 23-2

- MULTILAYER SPOOLING
- SUPERFILL®
- PLASTFILL™



TECHNICAL DATA

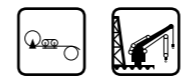
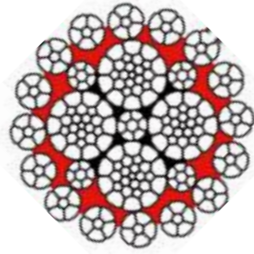
Nominal Ø		Weight		Minimum breaking force at rope grade					
				1770 N/mm ²		1960 N/mm ²		2160 N/mm ²	
[mm]	[inch]	[kg/m]	[lbs/ft]	[kN]	[lbs]	[kN]	[lbs]	[kN]	[lbs]
8	5/16	0,34	0,23	54	12.140	59	13.264	64	14.388
9		0,41	0,27	67	15.062	74	16.636	78	17.535
10		0,50	0,33	82	18.434	91	20.458	98	22.031
11		0,61	0,41	100	22.481	111	24.954	118	26.527
12		0,74	0,50	120	26.977	133	29.900	144	32.372
13		0,86	0,58	141	31.698	156	35.070	170	38.218
14	9/16	1,01	0,68	163	36.644	181	40.690	197	44.287
15		1,16	0,78	194	43.613	215	48.334	231	51.931
16	5/8	1,32	0,88	221	49.683	244	54.853	263	59.125
17		1,50	1,01	241	54.179	267	60.024	290	65.195
18		1,64	1,10	279	62.722	309	69.466	333	74.861
19	3/4	1,85	1,24	312	70.140	345	77.559	371	83.404
20		2,08	1,39	338	75.985	374	84.079	401	90.148
21		2,26	1,52	373	83.854	413	92.846	444	99.815
22	7/8	2,51	1,68	408	91.722	452	101.614	487	109.482
24		2,94	1,97	483	108.583	535	120.273	580	130.389
25	1	3,15	2,11	537	120.722	595	133.761	639	143.653
26		3,49	2,33	567	127.467	627	140.955	675	151.746
27		3,74	2,51	609	136.909	674	151.521	725	162.986
28		4,05	2,71	655	147.250	725	162.986	780	175.351
28,57	1 1/8	4,14	2,78	668	150.172	744	167.258	814	182.994
29		4,27	2,87	701	157.591	777	174.677	835	187.715
30		4,62	3,10	749	168.382	830	186.591	893	200.754
32	1 1/4	5,24	3,52	853	191.762	944	212.220	1.016	228.406
34		5,90	3,96	958	215.367	1.061	238.522	1.141	256.507
36		6,65	4,46	1.072	240.995	1.187	266.848	1.277	287.081
38	1 1/2	7,35	4,93	1.237	278.089	1.369	307.763	1.472	330.919
40		8,13	5,46	1.317	296.073	1.458	327.771	1.568	352.500
42		8,97	6,02	1.452	326.423	1.608	361.493	1.729	388.695

Other rope diameters are available on request.

EVOLUTION TK16^{plus}

Higher breaking forces for special customer needs. The consistent and systematic further development and improvement of the production processes involved facilitates particularly narrow manufacturing tolerances.

NEW
HIGHER MBF



SPECIFICATIONS

- Ordinary lay or lang's lay, right or left lay
- 8 – 30mm: 16 x K6-EPIWRC (K), RCN 23-1
- 32 – 42mm: 16 x K7-EPIWRC (K), RCN 23-2

- MULTILAYER SPOOLING
- SUPERFILL®
- PLASTIFILL™



TECHNICAL DATA

Nominal Ø		Weight		Minimum breaking force at rope grade 1960 N/mm ²	
[mm]	[inch]	[kg/m]	[lbs/ft]	[kN]	[lbs]
8	5/16	0,34	0,23	62	13.938
9		0,41	0,27	79	17.760
10		0,50	0,33	97	21.806
11		0,61	0,41	117	26.303
12		0,74	0,50	140	31.473
13		0,86	0,58	164	36.869
14	9/16	1,01	0,68	190	42.714
15		1,16	0,78	218	49.008
16	5/8	1,32	0,88	248	55.753
17		1,50	1,01	280	62.947
18		1,64	1,10	314	70.590
19	3/4	1,85	1,24	350	78.683
20		2,08	1,39	388	87.226
21		2,26	1,52	428	96.218
22	7/8	2,51	1,68	469	105.435
24		2,94	1,97	559	125.668
25	1	3,15	2,11	623	140.056
26		3,49	2,33	656	147.475
27		3,74	2,51	707	158.940
28		4,05	2,71	760	170.855
28,57	1 1/8	4,14	2,78	792	178.049
29		4,27	2,87	816	183.444
30		4,62	3,10	873	196.258
32	1 1/4	5,24	3,52	993	223.235
34		5,90	3,96	1.121	252.011
36		6,65	4,46	1.257	282.585
38	1 1/2	7,35	4,93	1.369	307.763
40		8,13	5,46	1.517	341.035
42		8,97	6,02	1.672	375.881

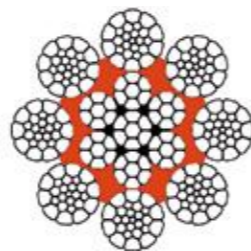
Other rope diameters are available on request. Minimum quantity for individual production needed.



QS 816 V(G)



Extreme resistance to negative external influences distinguishes this rope from others. SUPERFILL® compaction technology developed by TEUFELBERGER provides high breaking forces and highest safety in use. Compaction in the core and a PLASTFILL™ insert result in stability against lateral pressure.



SPECIFICATIONS

- QS 816 V in ordinary lay configuration, QS 816VG in lang's lay configuration, right or left lay
- 10 – 42mm: 8 x K26WS - EPIWRC (K), RCN 09
- 44 – 50mm: 8 x K31WS - EPIWRC (K), RCN 11
- 52 – 70mm: 8 x K42WS - EPIWRC (K), RCN >13

- ✓ MULTILAYER SPOOLING
- ✓ SUPERFILL®
- ✓ PLASTFILL™

TECHNICAL DATA

Nominal Ø		Weight		Minimum breaking force at rope grade					
[mm]	[inch]	[kg/m]	[lbs/ft]	1770 N/mm ²		1960 N/mm ²		2160 N/mm ²	
				[kN]	[lbs]	[kN]	[lbs]	[kN]	[lbs]
10		0,46	0,31	81	18.210	89	20.008	98	22.031
11	7/16	0,55	0,37	97	21.806	107	24.055	118	26.527
12		0,69	0,46	117	26.303	129	29.000	143	32.148
13		0,81	0,54	141	31.698	156	35.070	172	38.667
14	9/16	0,93	0,62	162	36.419	179	40.241	198	44.512
15		1,06	0,71	185	41.590	205	46.086	226	50.807
16	5/8	1,20	0,81	210	47.210	232	52.156	256	57.551
17		1,35	0,91	235	52.830	261	58.675	287	64.520
18		1,55	1,04	263	59.125	291	65.419	321	72.164
19	3/4	1,71	1,15	302	67.892	335	75.311	369	82.954
20		1,89	1,27	330	74.187	365	82.055	402	90.373
21		2,15	1,44	374	84.079	414	93.071	457	102.738
22	7/8	2,34	1,57	408	91.722	451	101.389	497	111.730
23		2,54	1,70	445	100.040	492	110.606	543	122.071
24		2,75	1,85	467	104.986	517	116.226	570	128.141
25	1	2,97	1,99	518	116.451	574	129.040	633	142.304
26		3,19	2,14	555	124.769	615	138.257	678	152.420
27		3,51	2,36	595	133.761	659	148.149	727	163.436
28		3,76	2,52	656	147.475	726	163.211	800	179.847
28,57	1 1/8	4,04	2,71	672	151.072	745	167.483	820	184.343
29		3,98	2,67	694	156.017	768	172.653	847	190.413
30		4,37	2,93	764	171.754	846	190.188	897	201.654
32	1 1/4	4,90	3,29	864	194.235	957	215.142	1.072	240.995
34		5,59	3,75	945	212.444	1.046	235.150	1.153	259.205
36		6,36	4,27	1.071	240.770	1.186	266.623	1.284	288.655
38	1 1/2	7,03	4,72	1.222	274.717	1.354	304.391	1.431	321.702
40		7,81	5,24	1.342	301.694	1.486	334.066	1.545	347.330
42		8,60	5,77	1.482	333.167	1.641	368.911	1.736	390.268

Other rope diameters are available on request.

Nominal Ø		Weight		Minimum breaking force at rope grade					
[mm]	[inch]	[kg/m]	[lbs/ft]	1770 N/mm ²		1960 N/mm ²		2160 N/mm ²	
				[kN]	[lbs]	[kN]	[lbs]	[kN]	[lbs]
44		9,27	6,22	1.596	358.795	1.768	397.462	on request	on request
46		10,30	6,91	1.760	395.664	1.949	438.153	on request	on request
48		10,78	7,23	1.848	415.447	2.050	460.858	on request	on request
50		11,60	7,78	2.016	453.215	2.232	501.774	on request	on request
52		12,50	8,39	2.180	490.083	2.414	542.689	on request	on request
54		13,91	9,33	2.287	514.138	2.532	569.216	on request	on request
56		14,50	9,73	2.529	568.542	2.850	640.705	on request	on request
58		15,60	10,47	2.712	609.682	3.004	675.326	on request	on request
60		16,70	11,21	2.903	652.620	3.214	722.536	on request	on request
62		17,80	11,94	3.099	696.683	3.432	771.544	on request	on request
64		19,74	13,25	3.303	742.544	3.657	822.126	on request	on request
66		20,63	13,84	3.495	785.707	3.870	870.011	on request	on request
68		21,40	14,36	3.728	838.088	4.128	928.011	on request	on request
70		22,70	15,23	3.951	888.220	4.375	983.539	on request	on request

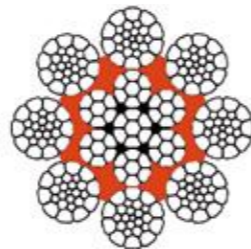
Other rope diameters are available on request.



QS 814 VG



Galvanized lang's lay rope used for marine riser tensioners. Extreme bending fatigue performance is the strong point of this rope. SUPERFILL® compaction technology ensures highest breaking forces and thus maximum safety levels during operation. The application of this technology – even in the inner rope – generates optimum form stability against lateral pressure and provides high bending fatigue life.



SPECIFICATIONS

- Lang's lay, right or left lay
- 8 x K36WS - EPIWRC, RCN 13

- MULTILAYER SPOOLING
- SUPERFILL®
- PLASTFILL™



TECHNICAL DATA

Nominal Ø		Weight		Minimum breaking force at rope grade			
[mm]	[inch]	[kg/m]	[lbs/ft]	1770 N/mm ²		1960 N/mm ²	
				[kN]	[lbs]	[kN]	[lbs]
38,1	1 1/2"	6,50	4,36	1.064	239.197	1.178	264.825
44,45	1 3/4"	9,14	6,13	1.600	359.694	1.770	397.912
50,8	2"	11,90	7,98	1.805	405.780	1.998	449.168
57,15	2 1/4"	14,50	9,73	2.452	551.187	3.352	753.537
63,5	2 1/2"	19,48	13,07	3.250	730.629	3.600	809.312
64	2 1/2"	19,48	13,07	3.250	730.629	3.600	809.312
69,85	2 3/4"	23,12	15,51	3.798	853.824	3.960	890.243

Other rope diameters are available on request.



EXECUTION QS6

Flexibility, resistance against mechanical wear and high breaking force is required for the usage as drill line. This 6-strand wire rope with SUPERFILL® compaction technology and PLASTFILL™ insert combines all these characteristics for **perfect drilling operations.**



SPECIFICATIONS

- Ordinary lay, right or left lay
- 30-52mm: 6 x K26WS - EPIWRC, RCN 06
- 54mm: 6 x K31WS - EPIWRC, RCN 08
- MULTILAYER SPOOLING
- SUPERFILL®
- PLASTFILL™

TECHNICAL DATA

Nominal Ø		Weight		Minimum breaking force at rope grade	
[mm]	[inch]	[kg/m]	[lbs/ft]	1960 N/mm ²	
				[kN]	[lbs]
34,9	1 3/8"	5,40	3,62	972	218.514
38,1	1 1/2"	6,40	4,29	1.156	259.879
44,45	1 3/4"	8,95	6,01	1.577	354.524
47,6	1 7/8"	9,98	6,70	1.803	405.331
50,8	2"	11,50	7,72	2.069	465.130
54,0	2 1/8"	13,00	8,72	2.453	551.456

Other rope diameters are available on request.

EXECUTION Q6

Highest reliability of the platform is the main target! This TEUFELBERGER high performance steel wire rope with PLASTFILL™ insert for permanent lubrication of the core results into high resistance to wear.



SPECIFICATIONS

- Ordinary lay, right or left lay
- 6 x 26WS - EPIWRC, RCN 06
- MULTILAYER SPOOLING
- SUPERFILL®
- PLASTFILL™

TECHNICAL DATA

Nominal Ø		Weight		Minimum breaking force at rope grade			
[mm]	[inch]	[kg/m]	[lbs/ft]	1960 N/mm ²		2160 N/mm ²	
				[kN]	[lbs]	[kN]	[lbs]
34,9	1 3/8"	5,00	3,36	881	198.057	920	206.824
38,1	1 1/2"	5,90	3,96	1.048	235.600	1.096	246.391
44,45	1 3/4"	8,70	5,84	1.426	320.578	1.492	335.415
47,6	1 7/8"	9,22	6,19	1.636	367.787	1.710	384.423
50,8	2"	10,72	7,19	1.862	418.594	1.948	437.928

Other rope diameters are available on request.

WIRE LOCK ACCORDING TO EN 13411



MECHANICAL SPLICE ACCORDING TO EN 13411



FURTHER END CONNECTIONS



TEUFELBERGER Tailropes on request.

Further connections available on request.

DISCARD CRITERIA OF TEUFELBERGER SPECIAL STEEL WIRE ROPES

The discard criteria for TEUFELBERGER special steel wire ropes are defined according to:

- ISO 4309
- API 2D FIFTH EDITION

This includes: reduction of rope diameter, corrosion and wire breaks. For assessing the discard condition based on wire breaks, the rope category number (RCN) is used. For TEUFELBERGER special steel wire ropes, this number is listed in the following tables.

For further details regarding the discard criteria for wire ropes to ISO 4309 or API 2D FIFTH EDITION, see the „Application Handbook – High Performance Offshore Ropes“ at www.teufelberger.com



ROTATION RESISTANT ROPES

Type of design	Diameter range [mm]	RCN*	n**
EVOLUTION EVOLUTION TK16	9-30	23-1	96
	32-42	23-2	112
EVOLUTION EVOLUTION TK16 ^{plus}	9-30	23-1	96
	32-42	23-2	112
EVOLUTION EVOLUTION TK18	44-80	27	272

NON-ROTATION-RESISTANT ROPES

Type of design	Diameter range [mm]	RCN*	n**
EVOLUTION QS 816 V(G)	10-42	9	208
	44-50	11	248
	52-70	>13	336
PERFECTION QS 814 VG	38-70	13	288
EXECUTION EXECUTION QS6	30-52	6	156
	54	8	186
EXECUTION EXECUTION Q6	30-52	6	156

* RCN = Rope Category Number

**n = Number of outer strands and total number of load-bearing wires in the outer layer of strands in the rope



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 specially 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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