

Excellent

dimensional stability

Evolution TK[®] 18

Evolution TK[®] 18 is our high-performance rope for deep foundation systems and the offshore industry. It is mainly used in extremely harsh conditions. This rope offers outstanding dimensional stability, high corrosion resistance, as well as ideal lubrication, especially thanks to its active core lubrication in combination with a PLASTFILL[®] insert.

Specifications

- Ordinary or Lang's lay, right or left-handed
- 16xK17F-EPIWRC(K), RCN 27, n=208
- Filling factor f=0.73
- ✓ Multi-layer spooling
- ✓ SUPERFILL[®]
- ✓ PLASTFILL[®]

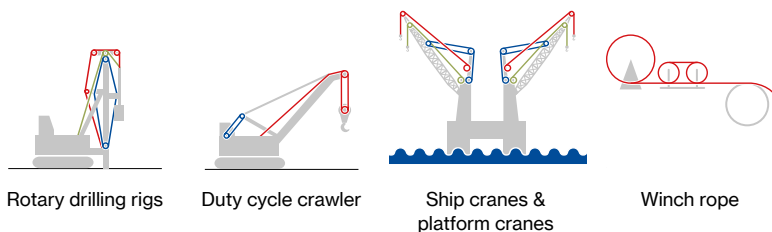
Segments



Advantages

- ✓ Extremely resistant to corrosion, external environmental influences, and the ingress of dirt thanks to its PLASTFILL[®] insert
- ✓ Excellent spooling characteristics thanks to very high dimensional stability under lateral pressure, even in multi-layer spooling operations
- ✓ Highest operational safety due to high breaking forces and excellent torsional characteristics made possible by the harmoniously balanced rope structure
- ✓ Longer lifetime and maximized cost-effectiveness of rope-guiding components thanks to the wear-optimized and rope-friendly SUPERFILL[®] compaction of all strands
- ✓ Safe protection of core lubrication thanks to PLASTFILL[®] insert
- ✓ The SUPERFILL[®] compaction technology ensures consistently small diameter tolerances and perfect spooling behavior, even with long rope lengths

Applications



Rotary drilling rigs

Duty cycle crawler

Ship cranes & platform cranes

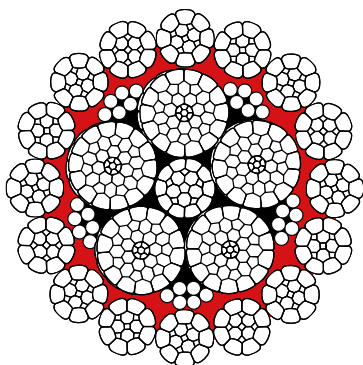
Winch rope

Technical specifications

Construction	Nominal Ø		Rope length mass		MBF at rope grade					
					1770		1960		2160	
	mm	inch	kg/m	lbs/ft	kN	lbf	kN	lbf	kN	lbf
16xK17F-EPIWRC(K) RCN 27, n=208	44		9.49	6.38	1,607	361,268	1,779	399,935	1,905	428,261
	44.45	1 3/4	9.63	6.47	1,641	368,911	1,817	408,478	1,944	437,029
	45		9.90	6.65	1,684	378,578	1,865	419,269	1,992	447,819
	46		10.33	6.94	1,758	395,214	1,960	440,626	2,078	467,153
	48		11.22	7.54	1,914	430,284	2,119	476,370	2,267	509,642
	50		12.23	8.22	2,076	466,703	2,299	516,836	2,460	553,030
	50.8	2	12.71	8.54	2,143	481,766	2,374	533,696	2,539	570,790
	51		12.70	8.54	2,155	484,463	2,386	536,394	2,559	575,286
	52		13.30	8.94	2,246	504,921	2,487	559,100	2,661	598,217
	54	2 1/8	14.36	9.65	2,422	544,487	2,682	602,938	2,925	657,566
	56		15.41	10.35	2,605	585,627	2,884	648,349	3,020	678,923
	57.15	2 1/4	16.01	10.76	2,711	609,457	3,002	674,876	3,214	722,536
	58		16.53	11.11	2,794	628,116	3,094	695,559	3,310	744,118
	60		17.71	11.90	2,990	672,179	3,311	744,342	3,542	796,273
	60.33	2 3/8	17.84	11.99	3,021	679,148	3,345	751,986	3,581	805,041
	63.5	2 1/2	19.77	13.28	3,346	752,211	3,706	833,142	3,968	892,042
	64		20.16	13.55	3,402	764,800	3,767	846,855	4,030	905,980
	65		20.85	14.01	3,500	786,831	3,876	871,359	4,085	918,345
	66		21.31	14.32	3,618	813,359	4,006	900,585	4,212	946,895
	66.68	2 5/8	21.80	14.65	3,690	829,545	4,086	918,569	4,299	966,454
	68		22.62	15.20	3,841	863,491	4,253	956,112	4,471	1,005,121
	70	2 3/4	24.10	16.20	4,070	914,972	4,507	1,013,214	4,655	1,046,486
	72		25.40	17.07	4,306	968,027	4,768	1,071,889	4,925	1,107,184
	73	2 7/8	26.13	17.56	4,423	994,330	4,897	1,100,889	5,063	1,138,208
	76		28.30	19.01	4,798	1,078,633	5,313	1,194,410	5,487	1,233,527

Standard tolerance: +2 % to +4 %, other tolerance ranges and rope diameters are available upon request.

The values are provided for guidance only. The metric figures shall prevail. The rope cross-section depicts a typical design and may vary within the product line. Subject to further developments which may lead to changes in technical specifications. Subject to changes and errors.



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