



Evolution P9

Protection against external influences paired with maximum dimensional stability under lateral pressure: Our Evolution P9, a swaged high-performance rope, offers maximum dimensional stability and enormous breaking forces in combination with great flexibility. Its innovative 9-strand structure combined with Teufelberger-Redaelli's DUOFILL® compaction technology make all the difference.

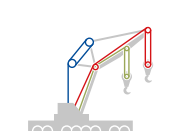
Specifications

- Ordinary lay, right or left-handed
- 16-32 mm: K9xK19S-PWRC(K), RCN 05, n=171
- Filling factor f=0.77
- Use without swivel
- ✓ Multi-layer spooling
- ✓ SUPERFILL®
- ✓ PLASTFILL®
- ✓ DUOFILL®

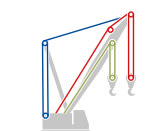
Segments



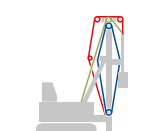
Applications



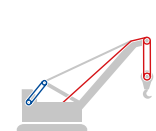
All-terrain & mobile crane



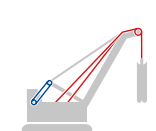
Crawler crane



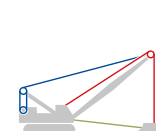
Rotary drilling rigs



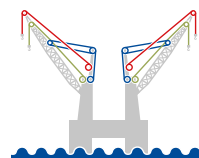
Duty cycle crawler



Duty cycle crawler with diaphragm wall grabs



Duty cycle crawler with scraper



Ship & platform crane

Advantages

- ✓ Very high dimensional stability under lateral pressure thanks to DUOFILL® compaction technology
- ✓ The proven 9-strand structure of the double-parallel lay design guarantees a round and smooth surface, ensuring perfect results in single-layer and multi-layer spooling applications
- ✓ Enhanced safety: DUOFILL® compaction ensures very high breaking forces

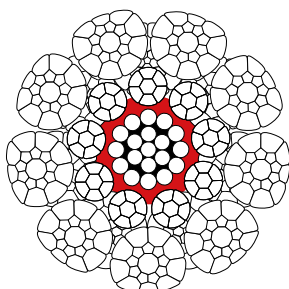
Technical specifications

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
K9xK19S-PWRC(K) RCN 05, n=171	16	5/8	1.29	0.87	242	54,404	268	60,249	284	63,846
	18		1.63	1.10	306	68,792	339	76,210	359	80,706
	19	3/4	1.82	1.22	341	76,660	378	84,978	400	89,924
	20		2.02	1.36	378	84,978	419	94,195	443	99,590
	22		2.43	1.64	458	102,962	507	113,978	536	120,498
	22.22	7/8	2.48	1.67	467	104,986	517	116,226	547	122,970
	24		2.90	1.95	544	122,296	603	135,560	638	143,428
	25		3.14	2.11	591	132,862	654	147,025	693	155,793
	25.4	1	3.24	2.18	610	137,133	675	151,746	715	160,738
	26		3.40	2.28	639	143,653	708	159,165	749	168,382
	28		3.95	2.66	742	166,808	822	184,793	869	195,359
	28.58	1 1/8	4.12	2.77	772	173,553	854	191,987	905	203,452
	30		4.50	3.02	851	191,312	942	211,770	998	224,359
	31.75	1 1/4	4.97	3.34	939	211,096	1040	233,801	1094	245,941
	32		5.05	3.39	954	214,468	1056	237,398	1112	249,988

Standard tolerance: +2.5 % to +3.5 %, 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.

“Maximum dimensional stability under lateral pressure, very high breaking forces, and perfect spooling results thanks to the innovative DUOFILL® technology.”



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