

Evolution P9

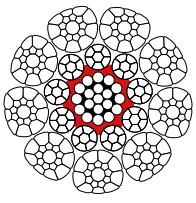
Protection against external influences paired with maximum dimensional stability under lateral pressure: Our Evolution P9, a swaged high-performance rope, offers maximum dimensional stability and enormous breaking forces in combination with great flexibility. Its innovative 9-strand structure combined 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

- Building & construction industry
- Offshore industry



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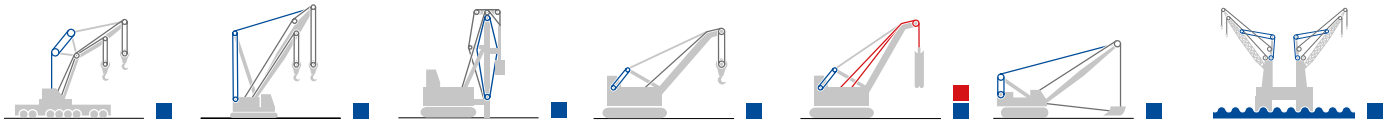
Applications



All-terrain & mobile crane | Crawler crane | Rotary drilling rig | Duty cycle crawler | Duty cycle crawler with diaphragm wall grab | Duty cycle crawler with scraper | Ship & platform crane

■ **Grab rope** ■ **Boom hoist rope, Crowd rope**

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.

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