

Pack 9P

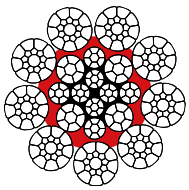
The 9-strand structure with plastic coating & compaction ensures maximum wear resistance. This rope has demonstrated excellent performance characteristics when used as a crown rope on rotary drilling rigs in extremely harsh environments. It is also available as a non-plastic-infused variant.

Specifications

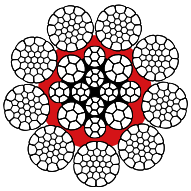
- Ordinary or Lang's lay, right or left-handed
- 14-40 mm: 9xK19S-EPIWRC(K), RCN 05, n=171
- 41.28-48 mm: 9xK31WS-EPIWRC(K), RCN 12, n=279
- 50-60 mm: 9xK36WS-EPIWRC(K), RCN 14, n=324
- Filling factor f=0.74
- Use without swivel
- ✓ SUPERFILL®
- ✓ PLASTFILL®

Segments

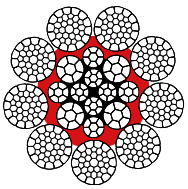
- Building & construction industry



Pack 9P
14-40 mm

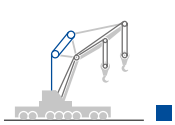


Pack 9P
41.28-48 mm

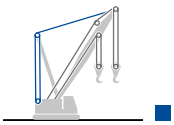


Pack 9P
50-60 mm

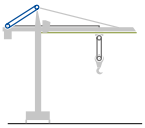
Applications



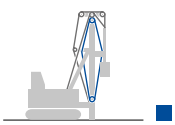
All-terrain & mobile crane



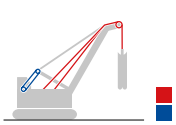
Crawler crane



Tower crane



Rotary drilling rig



Duty cycle crawler with diaphragm wall grab

Trolley rope **Boom hoist rope, Crowd rope** **Grab rope**

Advantages

- ✓ Good fleet angle resistance thanks to PLASTFILL® technology
- ✓ Excellent resistance to bending cycles thanks to flexible rope structure
- ✓ Less abrasion on rope-guiding components thanks to smooth rope surface and 9-strand structure

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
9xK19S-EPIWRC(K) RCN 05, n=171	14		0.94	0.63	163	36,644	180	40,466	194	43,613
	15		1.08	0.73	187	42,039	207	46,535	223	50,132
	15.88	5/8	1.21	0.81	209	46,985	232	52,156	249	55,977
	16		1.23	0.83	212	47,659	235	52,830	253	56,877
	17		1.39	0.93	240	53,954	266	59,799	286	64,295
	18		1.56	1.05	269	60,474	298	66,993	320	71,939
	19	3/4	1.73	1.16	300	67,443	332	74,637	357	80,257
	20		1.92	1.29	332	74,637	368	82,730	396	89,024
	22		2.33	1.57	402	90,373	445	100,040	479	107,683
	22.23	7/8	2.37	1.59	410	92,172	454	102,063	489	109,932
	23		2.54	1.71	439	98,691	486	109,257	523	117,575
	24		2.77	1.86	478	107,459	529	118,924	570	128,141
	25		3.00	2.02	519	116,676	574	129,040	618	138,932
	25.4	1	3.10	2.08	535	120,273	593	133,312	638	143,428
	26		3.25	2.18	561	126,118	621	139,606	669	150,397
	28		3.77	2.53	651	146,351	721	162,087	775	174,227
	28.58	1 1/8	3.92	2.63	678	152,420	751	168,832	808	181,646
	30		4.32	2.90	747	167,932	827	185,917	855	192,212
	31.75	1 1/4	4.84	3.25	837	188,165	926	208,173	958	215,367
	32		4.92	3.31	850	191,088	941	211,545	973	218,739
	34		5.55	3.73	959	215,592	1,062	238,747	1,098	246,840
	35	1 3/8	5.89	3.96	1,017	228,631	1,126	253,135	1,164	261,678
	36		6.23	4.19	1,076	241,894	1,191	267,747	1,231	276,740
	38	1 1/2	6.94	4.66	1,198	269,321	1,327	298,321	1,372	308,438
	40		7.69	5.17	1,328	298,546	1,470	330,469	1,520	341,710
9xK31WS-EPIWRC(K) RCN 12, n=279	41.28	1 5/8	8.11	5.45	1,386	311,585	1,535	345,082	1,613	362,617
	42		8.40	5.64	1,435	322,601	1,589	357,221	1,670	375,431
	44		9.22	6.20	1,574	353,849	1,743	391,842	1,833	412,075
	44.45	1 3/4	9.41	6.32	1,607	361,268	1,779	399,935	1,870	420,393
	46		10.08	6.77	1,721	386,896	1,906	428,486	2,003	450,292
	47.63	1 7/8	10.80	7.26	1,845	414,773	2,043	459,285	2,148	482,890
	48		10.97	7.37	1,874	421,292	2,075	466,479	2,181	490,308
9xK36WS-EPIWRC(K) RCN 14, n=324	50		11.71	7.87	2,005	450,742	2,221	499,301	2,333	524,479
	50.8	2	12.09	8.12	2,070	465,355	2,292	515,262	2,408	541,340
	52		12.67	8.51	2,169	487,611	2,402	539,991	2,523	567,193
	54	2 1/8	13.66	9.18	2,339	525,828	2,590	582,255	2,721	611,705
	56		14.69	9.87	2,515	565,394	2,785	626,093	2,926	657,791
	57.15	2 1/4	15.30	10.28	2,620	588,999	2,901	652,171	3,047	684,993
	58		15.76	10.59	2,698	606,535	2,988	671,729	3,139	705,675
	60		16.86	11.33	2,888	649,248	3,198	718,939	3,359	755,133

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.

Teufelberger · Redaelli

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