

Evolution QS816V

Its excellent resistance to adverse external influences is what sets this rope apart. It features Teufelberger-Redaelli's SUPERFILL® compaction technology which ensures high breaking forces and maximum safety in use. Its compacted core and a PLASTFILL® insert give this rope high dimensional stability under lateral pressure.

Specifications

- Lang's lay or ordinary lay, right or left-handed
- 10-42 mm: 8xK26WS-EPIWRC(K), RCN 09, n=208
- 44-50 mm: 8xK31WS-EPIWRC(K), RCN 11, n=248
- 50.8-66 mm: 8xK42WS-EPIWRC(K), RCN > 13, n=336
- Filling factor f=0.71
- Use without swivel
- Special core structure
- ✓ Multi-layer spooling
- ✓ SUPERFILL®
- ✓ PLASTFILL®

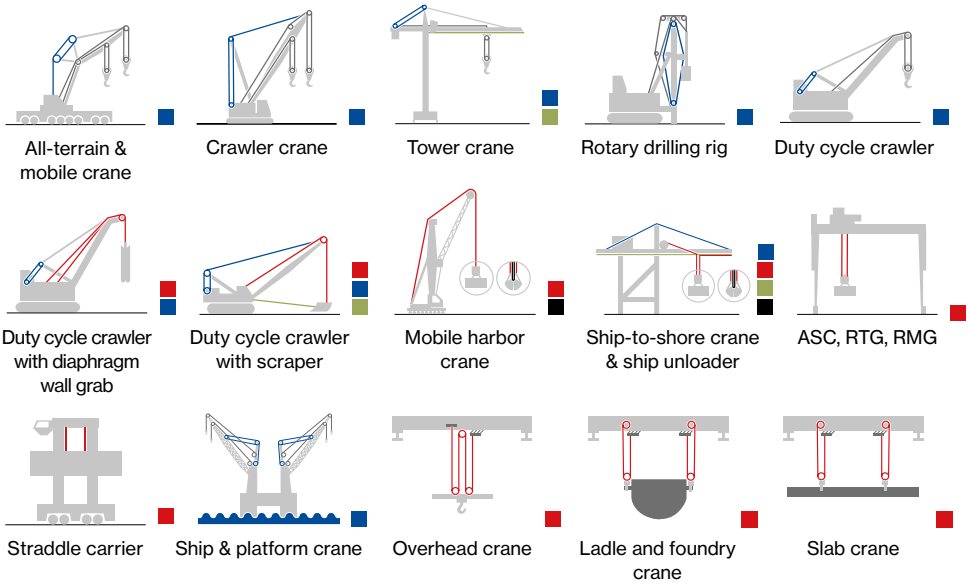
Advantages

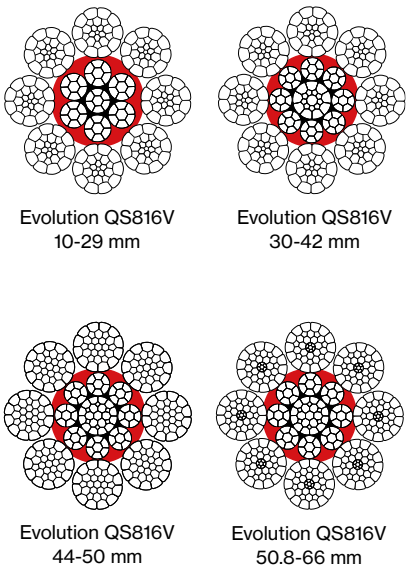
- ✓ Reliability and safety in use: very high breaking forces and high safety factor
- ✓ Improved permanent lubrication: The PLASTFILL® insert helps reduce wear in the core
- ✓ Long service life due to the wear-optimized design and the core-protecting PLASTFILL® insert
- ✓ Excellent spooling behavior on multi-layer spooling systems thanks to high dimensional stability under lateral pressure

Segments

- Building & construction industry
- Ports industry
- Offshore-Indsutrie
- Industrial cranes

Applications





Hoist rope, Grab rope
Auxiliary hoist rope, Trolley rope, Pulling rope
Closing rope
Boom hoist rope, Crowd 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
8xK26WS-EPIWRC(K) RCN 09, n=208	10		0.47	0.32	83	18,659	92	20,682	100	22,481
	11	7/16	0.57	0.38	101	22,706	112	25,179	121	27,202
	12		0.69	0.46	120	26,977	133	29,900	144	32,372
	12.7	1/2	0.77	0.52	135	30,349	149	33,497	161	36,194
	13		0.81	0.54	141	31,698	156	35,070	172	38,667
	14	9/16	0.93	0.62	163	36,644	181	40,690	198	44,512
	15		1.08	0.72	188	42,264	208	46,760	226	50,807
	16	5/8	1.21	0.81	214	48,109	236	53,055	256	57,551
	17		1.36	0.92	241	54,179	267	60,024	289	64,970
	18		1.54	1.03	270	60,698	299	67,218	324	72,838
	19	3/4	1.71	1.15	302	67,892	335	75,311	369	82,955
	20		1.88	1.26	334	75,086	369	82,955	402	90,373
	21		2.11	1.41	374	84,079	414	93,071	449	100,939
	22		2.32	1.56	408	91,722	451	101,389	497	111,730
	22.23	7/8	2.34	1.57	412	92,621	456	102,513	503	113,079
	23		2.52	1.70	445	100,040	492	110,606	543	122,071
	24		2.73	1.83	480	107,908	532	119,598	577	129,715
	25		2.96	1.99	521	117,125	577	129,715	633	142,304
	25.4	1	3.03	2.04	538	120,947	596	133,986	646	145,227
	26		3.21	2.16	564	126,792	624	140,281	678	152,420
	27		3.45	2.32	608	136,684	673	151,296	730	164,111
	28		3.73	2.51	656	147,475	726	163,211	800	179,847
	28.58	1 1/8	3.88	2.61	681	153,095	754	169,506	820	184,343
	29		3.99	2.68	701	157,591	777	174,677	847	190,413
	30		4.30	2.89	764	171,754	846	190,188	901	202,553
	31.75	1 1/4	4.70	3.16	841	189,064	931	209,297	1,009	226,832
	32		4.86	3.27	864	194,235	957	215,142	1,042	234,251
	34		5.48	3.68	964	216,716	1,068	240,096	1,157	260,104
	35		5.80	3.90	1,022	229,755	1,131	254,259	1,226	275,616
	36		6.18	4.16	1,081	243,018	1,197	269,096	1,297	291,577
	38		6.89	4.63	1,222	274,717	1,354	304,391	1,445	324,849
	40		7.67	5.16	1,342	301,694	1,486	334,066	1,601	359,919
	41		8.00	5.38	1,402	315,182	1,553	349,128	1,711	384,648
	42		8.46	5.69	1,482	333,167	1,641	368,911	1,766	397,013
8xK31WS-EPIWRC(K) RCN 11, n=248	44		9.10	6.11	1,615	363,066	1,788	401,958	1,938	435,680
	44.45	1 3/4	9.31	6.26	1,648	370,485	1,825	410,276	1,978	444,672
	46		10.00	6.72	1,765	396,788	1,954	439,277	2,118	476,145
	48		10.81	7.26	1,922	432,083	2,128	478,393	2,306	518,409
	50		11.71	7.87	2,085	468,727	2,309	519,084	2,502	562,472
8xK42WS-EPIWRC(K) RCN > 13, n=336	50.8	2	12.05	8.09	2,117	475,921	2,344	526,952	2,539	570,790
	52		12.61	8.47	2,218	498,626	2,456	552,131	2,661	598,217
	54	2 1/8	13.55	9.10	2,392	537,743	2,648	595,294	2,869	644,977
	56		14.59	9.81	2,572	578,209	2,848	640,256	3,086	693,760
	57.15	2 1/4	15.16	10.19	2,679	602,263	2,966	666,783	3,214	722,536
	58		15.61	10.49	2,759	620,248	3,055	686,791	3,310	744,118
	60		16.75	11.26	2,953	663,861	3,270	735,125	3,542	796,273
	60.33	2 3/8	16.89	11.35	2,985	671,055	3,305	742,994	3,581	805,041
	64		19.00	12.77	3,360	755,358	3,720	836,289	3,961	890,468
	66		20.23	13.60	3,573	803,242	3,956	889,344	4,212	946,895

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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