

EVOLUTION QS816V

Extreme resistance to negative external influences distinguishes this rope from others. It features Teufelberger-Redaelli's proprietary SUPERFILL® compaction technology which ensures high breaking forces and maximum safety in use. Its compacted inner core and a PLASTFILL® insert give the rope high dimensional stability under lateral pressure. The EVOLUTION QS816V is the strongest 8-strand rope in the Teufelberger-Redaelli product portfolio.

ULTIMATE BREAKING FORCES

Specifications

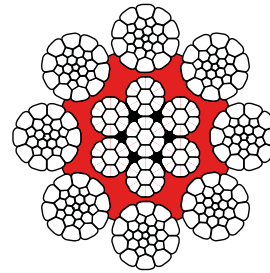
- Ordinary lay or lang lay, right or left lay
- 8xK26WS-EPIWRC(K), RCN 09
- Use without swivel
- Special construction of inner core

- ✓ Multilayer Spooling
- ✓ SUPERFILL®
- ✓ PLASTFILL®



Benefits

- Excellent spooling: enabled by tightest diameter tolerances also for complex reeving systems
- Reliability and safety during operation: high breaking forces and high safety factor
- Less abrasion: highest degree of SUPERFILL® compaction in the market
- Improved permanent lubrication: PLASTFILL® impregnation leads to less wear in the core



Technical data

Construction	Nominal Ø		Weight		Minimum breaking forces at rope grade					
	mm	inch	kg/m	lbs/ft	1770		1960		2160	
					kN	lbf	kN	lbf	kN	lbf
8xK26WS-EPIWRC(K)	10		0.47	0.32	83.4	18,749	92.4	20,772	100	22,481
	11	7/16	0.56	0.38	101	22,706	112	25,179	121	27,202
	12		0.68	0.46	120	26,977	133	29,900	144	32,372
	13		0.81	0.54	141	31,698	156	35,070	172	38,667
	14	7/16	0.93	0.62	163	36,644	181	40,690	198	44,512
	15		1.05	0.71	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		1.37	0.92	241	54,179	267	60,024	289	64,970
	18		1.55	1.04	270	60,698	299	67,218	324	72,838
	19	3/4	1.69	1.14	302	67,892	335	75,311	369	82,955
	20		1.86	1.25	334	75,086	369	82,955	402	90,373
	21		2.06	1.38	374	84,079	414	93,071	449	100,939
	22	7/8	2.34	1.57	408	91,722	451	101,389	497	111,730
	23		2.55	1.71	445	100,040	492	110,606	543	122,071
	24		2.75	1.85	480	107,908	532	119,598	577	129,715
	25	1	2.98	2.00	521	117,125	577	129,715	633	142,304
	26		3.23	2.17	564	126,792	624	140,281	678	152,420
	27		3.40	2.28	608	136,684	673	151,296	730	164,111
	28		3.76	2.53	656	147,475	726	163,211	800	179,847
	28.58	1 1/8	3.81	2.56	681	153,095	754	169,506	820	184,343
29		3.92	2.63	701	157,591	777	174,677	847	190,413	
30		4.36	2.93	764	171,754	846	190,188	901	202,553	
32	1 1/4	4.93	3.31	864	194,235	957	215,142	1,042	234,251	
34		5.55	3.73	964	216,716	1,068	240,096	1,157	260,104	
36		6.27	4.21	1,081	243,018	1,197	269,096	1,297	291,577	
38	1 1/2	6.99	4.70	1,222	274,717	1,354	304,391	1,445	324,849	
40		7.80	5.24	1,342	301,694	1,486	334,066	1,601	359,919	

Other rope diameters are available on request.