



Evolution Q8

This high-performance hoist rope for harbor-specific and industrial applications impresses users with its superior longevity and high breaking strength, achieved thanks to SUPERFILL® compaction.

Specifications

- Ordinary lay, right or left-handed
- 12-54 mm: 8xK25F-EPIWRC, RCN 06, n=152
- Filling factor f=0.65
- Use without swivel
- ✓ SUPERFILL®
- ✓ PLASTFILL®

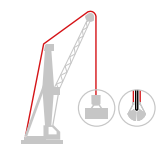
Segments



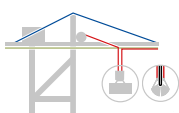
Advantages

- ✓ This rope caters perfectly to the requirements of the market: World-leading crane manufacturers rely on the Evolution Q8
- ✓ Increased flexibility: A filler construction that improves bendability
- ✓ Less core wear: Eight non-compacted core strands increase the flexibility of the core
- ✓ Long lifetime due to wear-optimized construction and core-protecting PLASTFILL® insert

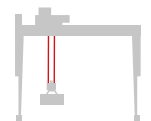
Applications



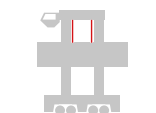
Mobile harbor crane



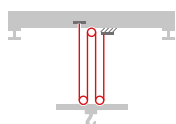
Ship-to-shore crane
& ship unloader



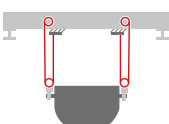
ASC, RTG, RMG



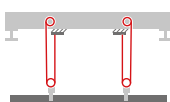
Straddle Carrier



Overhead crane



Ladle and foundry
crane



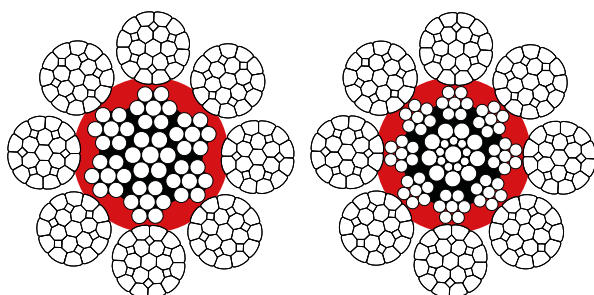
Slab crane

Technical specifications

Construction	Nominal Ø		Rope length mass		MBF at rope grade			
					1770		1960	
	mm	inch	kg/m	lbs/ft	kN	lbf	kN	lbf
8xK25F-EPIWRC RCN 06, n=152	12		0.64	0.43	110	24,729	122	27,427
	12.7	1/2	0.71	0.48	123	27,652	137	30,799
	13		0.74	0.50	129	29,000	143	32,148
	14	9/16	0.86	0.58	150	33,721	166	37,318
	15		0.99	0.67	172	38,667	190	42,714
	16	5/8	1.13	0.76	196	44,063	217	48,784
	17		1.27	0.86	221	49,683	245	55,078
	18		1.42	0.95	247	55,528	274	61,598
	19	3/4	1.59	1.07	276	62,047	306	68,792
	20		1.76	1.18	306	68,792	339	76,210
	21		1.94	1.30	337	75,761	373	83,854
	22		2.13	1.43	370	83,179	410	92,172
	22.23	7/8	2.17	1.46	378	84,978	418	93,970
	23		2.33	1.56	404	90,823	448	100,714
	24		2.54	1.71	441	99,141	502	112,854
	25		2.74	1.84	478	107,459	529	118,924
	25.4	1	2.84	1.91	493	110,831	546	122,746
	26		2.97	2.00	517	116,226	572	128,591
	27		3.21	2.16	557	125,219	617	138,707
	28		3.45	2.32	600	134,885	664	149,273
	28.58	1 1/8	3.59	2.41	625	140,506	692	155,568
	29		3.70	2.49	643	144,552	712	160,064
	30		3.99	2.68	688	154,669	762	171,304
	31.75	1 1/4	4.47	3.00	771	173,328	853	191,762
	32		4.54	3.05	783	176,025	867	194,909
	34		5.15	3.46	882	198,281	977	219,638
	35		5.43	3.65	937	210,646	1,037	233,127
	36		5.73	3.85	999	224,584	1,097	246,615
	38		6.40	4.30	1,104	248,189	1,223	274,941
	40		7.09	4.77	1,223	274,941	1,355	304,616
	41		7.43	4.99	1,285	288,879	1,423	319,903
	42		7.82	5.26	1,349	303,267	1,494	335,865
	44		8.64	5.81	1,480	332,717	1,639	368,462
	44.45	1 3/4	8.82	5.93	1,511	339,686	1,673	376,105
	46		9.44	6.35	1,618	363,741	1,792	402,858
	48		10.23	6.87	1,762	396,113	1,951	438,602
	50		11.15	7.49	1,912	429,835	2,117	475,921
	50.8	2	11.52	7.74	1,973	443,548	2,185	491,208
	52		12.07	8.11	2,067	464,680	2,289	514,588
	54	2 1/8	13.00	8.74	2,230	501,324	2,469	555,053

Standard tolerance: +0 % 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.



Evolution Q8
12-29 mm

Evolution Q8
30-54 mm