



PS610F

The PS610 F is a 6-strand round-stranded rope featuring SUPERFILL® technology and a PLASTFILL® insert. Its particularly robust design with a plastified fiber insert makes this compacted steel wire rope a perfect dragline for scraper systems or an ideal excavator rope on Duty cycle crawler in gravel pits.

Specifications

- Ordinary and Lang's lay
- 16-40 mm: 6xK21F-SFC, RCN 03, n=96
- Filling factor f=0.63
- ✓ Multi-layer spooling
- ✓ SUPERFILL®
- ✓ PLASTFILL®

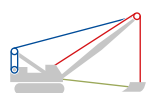
Segments



Advantages

- ✓ Extreme wear and shock resistance due to the special rope structure with a flexible fiber core, thick outer wires, and a high degree of compaction
- ✓ Breakproof plastic compound core
- ✓ Permanently greased fiber core without egress of grease

Applications



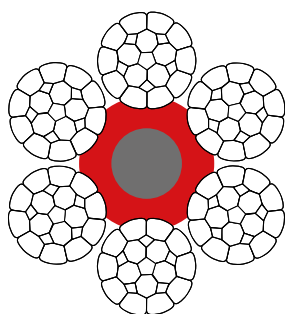
Duty cycle crawler
with scraper

Technical specifications

Construction	Nominal Ø		Rope length mass		MBF at rope grade	
	mm	inch	kg/m	lbs/ft	1770 kN	lbf
6xK21F-SFC RCN 03; n=96	16	5/8	1.04	0.70	198	44,512
	17		1.17	0.79	223	50,132
	18		1.31	0.88	250	56,202
	19	3/4	1.46	0.98	279	62,722
	20		1.62	1.09	309	69,466
	21		1.79	1.20	340	76,435
	22		1.95	1.31	373	83,854
	22.23	7/8	2.00	1.35	381	85,652
	23		2.14	1.44	408	91,722
	24		2.33	1.57	444	99,815
	25		2.53	1.70	482	108,358
	25.4	1	2.61	1.76	498	111,955
	26		2.73	1.83	522	117,350
	27		2.95	1.98	562	126,343
	28		3.18	2.13	605	136,009
	28.58	1 1/8	3.31	2.22	630	141,630
	29		3.42	2.30	649	145,901
	30		3.64	2.45	694	156,017
	31.75	1 1/4	4.08	2.74	778	174,901
	32		4.15	2.79	790	177,599
	34		4.68	3.15	892	200,530
	35		4.96	3.33	945	212,444
	36		5.24	3.52	1,000	224,809
	38		5.85	3.93	1,114	250,437
	40		6.49	4.36	1,234	277,414

Standard tolerance: +1 % 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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