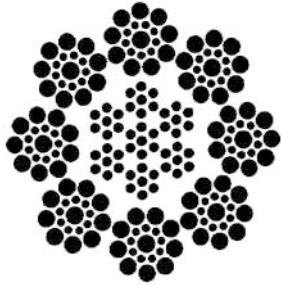


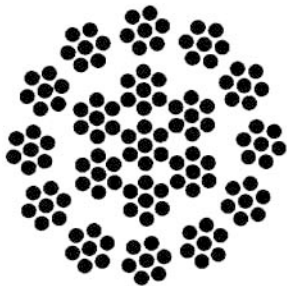
Rope Characteristics

- Provide rotational stability to the lifted load
- Have less of a tendency to unlay when under load
- Designed for those applications where it is impractical to use a tag line, relocate the rope dead end, increase sheave sizes, eliminate odd-part reeving, and/or significantly reduce rope loading and rope fall length
- Must be carefully installed to prevent kinking or unlaying of the rope
- Should not be used with a permanent swivel
- Are easily damaged and therefore should not be shockloaded



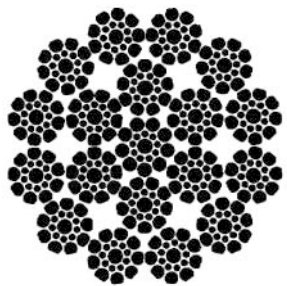
8x19 Classification

- Recommended for hoisting unguided loads with a single part or multipart line
- Slightly stronger than 19x7
- Significantly more rugged than 19x7
- Resists drum crushing



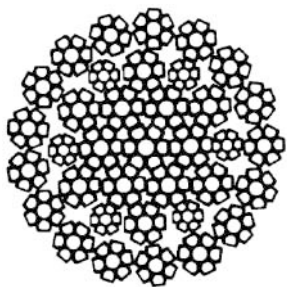
19x7

- Recommended for hoisting unguided loads with a single part line
- Is more easily damaged than other spin-resistant ropes
- Spin-resistant characteristics are superior to that of the 8x19 Class



SFP 19™

- Recommended for both multipart load and single part fast line applications
- Offers EEIP breaking strength
- Provides fatigue resistance, abrasion resistance, and resistance to drum crushing
- Die drawn multistrand design increases flexibility

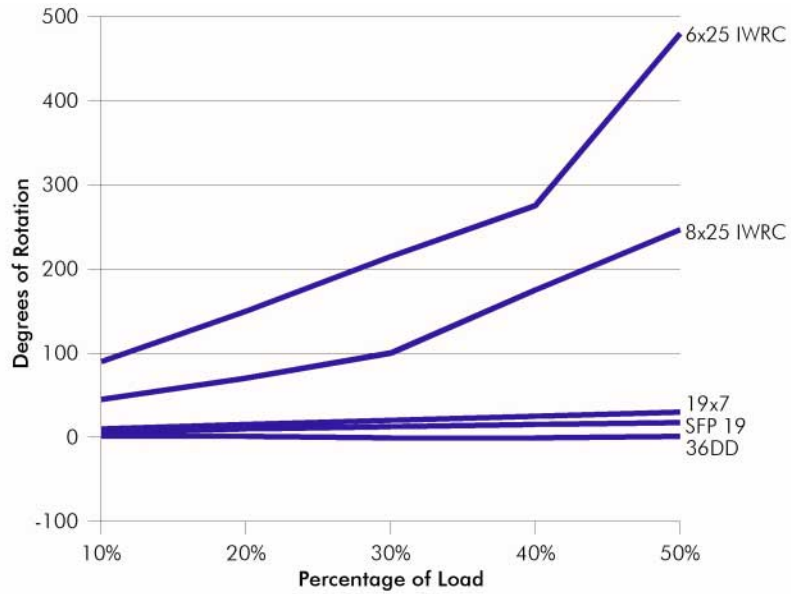


36DD™

- Recommended for applications where high strength, low rotation and ability to withstand long falls is needed
- Offers best operating and performance characteristics of all rotation-resistant ropes in terms of strength, fatigue and abrasion resistance, and rotational stability
- May be used with a swivel

Spin-resistant Wire Ropes

This chart compares the rotational properties of 8x19 Classification, 19x7, SFP 19 and 36DD wire ropes with a standard 6x25 IWRC. Note the superiority of the rotation-resistant ropes, particularly when the ropes are loaded to 50% of their breaking strengths.



ROPE DIAMETER		APPROX. WEIGHT (lb./ft.)				NOMINAL STRENGTH (tons)*			
inches	mm.	19x7	8x19 Class	SFP 19	36DD	19x7	8x19 Class	SFP 19	36DD
3/16	4.8	0.064	--	--	--	1.57	--	--	--
1/4	6.5	0.113	--	--	--	2.77	--	--	--
5/16	8.0	0.177	--	--	--	4.30	--	--	--
3/8	9.5	0.25	--	--	--	6.15	--	--	--
7/16	11.0	0.35	--	0.42	--	8.33	--	11.2	--
1/2	13.0	0.45	0.47	0.54	0.54	10.8	11.7	14.6	15.7
9/16	14.5	0.58	0.60	0.69	0.64	13.6	14.7	18.5	18.9
5/8	16.0	0.71	0.70	0.83	0.84	16.8	18.1	22.7	24.8
21/32	17.0	--	--	--	0.92	--	--	--	27.3
11/16	17.5	--	--	--	1.01	--	--	--	28.8
23/32	18.0	--	--	--	1.05	--	--	--	31.1
3/4	19.0	1.02	1.06	1.19	1.15	24.0	25.9	32.3	34.1
25/32	20.0	--	--	--	1.28	--	--	--	38.1
7/8	22.0	1.39	1.44	1.62	1.57	32.5	35.0	43.8	46.6
15/16	24.0	--	--	--	1.81	--	--	--	54.4
1	26.0	1.82	1.88	2.12	2.16	42.2	45.5	56.9	64.2
1-3/32	28.0	--	--	--	2.53	--	--	--	75.1
1-1/8	29.0	2.30	2.39	2.68	--	53.1	57.3	71.5	--
1-3/16	30.0	--	--	--	2.80	--	--	--	83.8
1-1/4	32.0	2.84	2.94	3.31	3.36	65.1	70.5	87.9	99.2
1-3/8	35.0	3.43	3.56	4.01	3.68	78.4	84.9	106.0	109.1
1-1/2	38.0	4.08	4.24	4.77	4.68	92.8	100.0	125.0	138.9

*Acceptance strength is not less than 2-1/2% below the nominal strengths listed. Tons of 2,000 lbs.



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