

SRS™ SLINGS

HIGH PERFORMANCE
ROUND SLINGS FOR
HEAVY PAYLOADS

The use of high-performance synthetic fiber round slings as an alternative to traditional steel wire rope continues to grow in challenging lifting applications. These slings deliver steel-like strength in a lightweight form, making them safer, easier to handle, and less labor-intensive. Even the heaviest loads can be rigged and lifted quickly and safely, helping minimize downtime.

One of the primary challenges with steel wire rope is weight. In many cases, additional lifting equipment is required simply to position and rig wire rope safely and efficiently. Steel wire also presents risks associated with recoil, corrosion, and broken strands ("fish hooks"), increasing maintenance demands and safety concerns.

High-performance synthetic slings eliminate these issues while offering greater flexibility in both design and use. They can be handled more efficiently, moved faster, and rigged with less manpower, improving overall job-site productivity.

Cortland's SRS™ slings feature an endless-loop construction made from high-strength UHMWPE fibers, resulting in very low elongation under load and exceptional strength. SRS™ slings are available in short lengths with standard vertical lifting capacities ranging from 40,000 to 500,000 lbs. For added durability, the load-bearing core is encased in a tough nylon protective jacket, designed to guard against abrasion, cutting, and snagging in high-wear areas.

With their lightweight design and strength-to-size equivalency to wire rope, SRS™ slings are an ideal solution for demanding heavy-lift applications.

Features

- Stronger, safer, and easier to handle than steel
- Lightweight and flexible
- Short lengths available
- Matched slings are easily achieved
- Vertical capacities from 40,000 to 500,000 lbs as standard
- Friendly on painted surfaces or sensitive equipment
- Durable construction
- Repairable or replaceable jacket



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Specifications

materials: UHMWPE
 construction: parallel laid endless filaments
 jacket: double layer nylon durable jacket with wear indicator; optional special-design wear protection in critical areas is available
 capacity: 40,000 lbs (18.2Te) to 500,000 lbs (226.8Te)
 higher capacities are available upon request
 length: 5ft (1.52 m) to 72 ft (22 m); longer lengths available upon request
 length tolerance: +/- 0.25% of nominal length,
 +/- 0.394 inches (10 mm) between matched sets

The below slings are available as standard, in lengths varying from a short 5 ft (1.52 m) up to 72 ft (22 m); please specify length at time of order. Higher capacities and custom designs are available upon request. **All Cortland SRS™ slings are proof loaded and length verified and supplied with a proof loading certificate; third party witnessing is available upon request.**



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Vertical Lift Rating to ASME B30.9 (5:1 WLL)

Part No	Rated Capacity						Sling Details							
	Vertical		Choker		Basket		Approximate Diameter		Weight		Minimum Bending Diameter		Minimum Width	
	lbs	Te	lbs	Te	lbs	Te	inch	mm	lbs/ft	kg/m	inch	mm	inch	mm
SRS-40	40,000	18.2	32,000	14.5	80,000	36.4	2.2	56	1.7	1.2	1.95	49	2.9	73
SRS-50	50,000	22.8	40,000	18.2	100,000	45.6	2.4	61	2.0	1.4	2.14	54	3.1	79
SRS-60	60,000	27.4	48,000	21.9	120,000	54.8	2.6	66	2.3	1.5	2.33	59	3.4	86
SRS-70	70,000	31.8	56,000	25.4	140,000	63.6	2.8	70	2.6	1.7	2.51	64	3.6	91
SRS-85	85,000	38.6	68,000	30.8	170,000	77.2	3.0	75	3.0	2.0	2.78	71	3.9	98
SRS-100	100,000	45.4	80,000	36.3	200,000	90.8	3.2	80	3.5	2.4	3.05	77	4.1	104
SRS-125	125,000	56.8	100,000	45.4	250,000	113.6	3.5	88	4.3	2.9	3.5	89	4.5	114
SRS-150	150,000	68.2	120,000	54.5	300,000	136.4	3.7	95	4.6	3.1	3.93	100	4.8	124
SRS-175	175,000	79.4	140,000	63.5	350,000	158.8	3.9	100	5.3	3.5	4.35	110	5.1	130
SRS-200	200,000	90.8	160,000	72.6	400,000	181.6	4.2	107	6.3	4.2	4.76	121	5.5	139
SRS-250	250,000	113.4	200,000	90.7	500,000	226.8	4.5	115	7.7	5.1	5.56	141	5.9	150
SRS-275	275,000	124.8	220,000	99.8	550,000	249.6	4.7	119	8.4	5.6	5.94	151	6.1	155
SRS-300	300,000	136.2	240,000	108.9	600,000	272.4	4.9	123	9.2	6.2	6.31	160	6.3	160
SRS-400	400,000	181.6	320,000	145.2	800,000	363.2	5.5	138	12.4	8.4	7.7	196	7.1	179
SRS-500	500,000	226.8	400,000	181.4	1,000,000	453.6	6.0	152	15.8	10.6	8.92	227	7.8	198

Email contact@cortlandinternational.com for an initial discussion, or visit us online at cortlandinternational.com.