



SRS™ Slings

high performance round slings for heavy payloads

The use of high performance synthetic fiber round slings, as an alternative to traditional wire rope, is growing in popularity for challenging lifting situations. High performance synthetic round slings are as strong as steel, yet light weight, and are safer and less labor intensive. Even the heaviest of loads can be quickly and safely rigged and lifted, minimizing downtime.

Unlike synthetic lines, a common problem with steel wire is weight. At times, personnel need the support of lifting gear to handle it safely and efficiently. There are also risks of recoil and maintenance requirements due to corrosion or fish hooks. Synthetics are not only safer, but they offer greater flexibility both in design and use, and can be moved faster with less manpower.

SRS™ slings from Cortland feature an endless loop construction of HMPE materials, enabling these slings to be manufactured with very low elongation under load; and at very high strength. They are available in short lengths, with vertical capacities from 40,000 to 500,000 lbs as standard. To protect potential chafe areas from abrasion, cutting, or snagging, the core material is encased in a tough protective nylon jacket to ensure a durable and long-lasting lift solution.

Their light weight design and equal strength-to-size profile vs wire rope make SRS™ slings ideal tools for heavy lifts.

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

Cortland high performance round slings in photos above feature special-design wear protection



SRS™ High Performance Round Slings

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.**

SRS™ Slings

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

Part No	Rated Capacity						Sling Details							
	Vertical		Choker		Basket		Approximate Diameter		Weight per foot	Weight per meter	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	2.09	53	1.18	1.75	1.95	49	2.71	69
SRS-50	50,000	22.8	40,000	18.2	100,000	45.6	2.32	59	1.38	2.05	2.14	54	3.02	77
SRS-60	60,000	27.4	48,000	21.9	120,000	54.8	2.56	65	1.55	2.3	2.33	59	3.33	85
SRS-70	70,000	31.8	56,000	25.4	140,000	63.6	2.76	70	1.75	2.6	2.51	64	3.58	91
SRS-85	85,000	38.6	68,000	30.8	170,000	77.2	3.07	78	2.05	3.05	2.78	71	3.99	101
SRS-100	100,000	45.4	80,000	36.3	200,000	90.8	3.31	84	2.39	3.55	3.05	77	4.30	109
SRS-125	125,000	56.8	100,000	45.4	250,000	113.6	3.74	95	2.92	4.35	3.5	89	4.86	124
SRS-150	150,000	68.2	120,000	54.5	300,000	136.4	4.17	106	3.73	5.55	3.93	100	5.43	138
SRS-175	175,000	79.4	140,000	63.5	350,000	158.8	4.53	115	4.37	6.5	4.35	110	5.89	150
SRS-200	200,000	90.8	160,000	72.6	400,000	181.6	4.76	121	4.81	7.15	4.76	121	6.19	157
SRS-250	250,000	113.4	200,000	90.7	500,000	226.8	5.35	136	6.12	9.1	5.56	141	6.96	177
SRS-275	275,000	124.8	220,000	99.8	550,000	249.6	5.59	142	6.69	9.95	5.94	151	7.27	185
SRS-300	300,000	136.2	240,000	108.9	600,000	272.4	5.91	150	7.43	11.05	6.31	160	7.68	195
SRS-400	400,000	181.6	320,000	145.2	800,000	363.2	6.77	172	9.81	14.6	7.7	196	8.80	224
SRS-500	500,000	226.8	400,000	181.4	1,000,000	453.6	7.56	192	12.20	18.15	8.92	227	9.83	250

Email cortland@cortlandcompany.com for an initial discussion, or visit us online at cortlandcompany.com.