





# SRS<sup>™</sup> 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)

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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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
	lbs 40,000 50,000 60,000 70,000 85,000 100,000 125,000 175,000 200,000 250,000 275,000 300,000 400,000	Ibs   Te   40,000   18.2   50,000   22.8   60,000   27.4   70,000   31.8   85,000   38.6   100,000   45.4   125,000   56.8   150,000   68.2   175,000   79.4   200,000   90.8   250,000   113.4   275,000   124.8   300,000   136.2   400,000   181.6	Vertical         Choken           Ibs         Te         Ibs           40,000         18.2         32,000           50,000         22.8         40,000           60,000         27.4         48,000           70,000         31.8         56,000           85,000         38.6         68,000           100,000         45.4         80,000           125,000         56.8         100,000           150,000         68.2         120,000           175,000         79.4         140,000           200,000         90.8         160,000           250,000         113.4         200,000           275,000         124.8         220,000           300,000         136.2         240,000           400,000         181.6         320,000	Rated Capacity           Vertical         Choker           Ibs         Te           40,000         18.2           32,000         14.5           50,000         22.8         40,000         18.2           60,000         27.4         48,000         21.9           70,000         31.8         56,000         25.4           85,000         38.6         68,000         30.8           100,000         45.4         80,000         36.3           125,000         56.8         100,000         45.4           150,000         68.2         120,000         54.5           175,000         79.4         140,000         63.5           200,000         90.8         160,000         72.6           250,000         113.4         200,000         90.7           275,000         124.8         220,000         99.8           300,000         136.2         240,000         108.9           400,000         181.6         320,000         145.2	Name	Nertical   Choker   Basket	Nertical   Choker   Basket   Approximate	Rated Capacity         Basket         Approximate Diameter           lbs         Te         lbs         Te         lbs         Te         inch         mm           40,000         18.2         32,000         14.5         80,000         36.4         2.2         56           50,000         22.8         40,000         18.2         100,000         45.6         2.4         61           60,000         27.4         48,000         21.9         120,000         54.8         2.6         66           70,000         31.8         56,000         25.4         140,000         63.6         2.8         70           85,000         38.6         68,000         30.8         170,000         77.2         3.0         75           100,000         45.4         80,000         36.3         200,000         90.8         3.2         80           125,000         56.8         100,000         45.4         250,000         113.6         3.5         88           150,000         68.2         120,000         54.5         300,000         136.4         3.7         95           175,000         79.4         140,000         63.5         <	Rated Capacity         Basket         Approximate Diameter         Wein and the proximate Diameter           lbs         Te         lbs         Te         inch         mm         lbs/ft           40,000         18.2         32,000         14.5         80,000         36.4         2.2         56         1.7           50,000         22.8         40,000         18.2         100,000         45.6         2.4         61         2.0           60,000         27.4         48,000         21.9         120,000         54.8         2.6         66         2.3           70,000         31.8         56,000         25.4         140,000         63.6         2.8         70         2.6           85,000         38.6         68,000         30.8         170,000         77.2         3.0         75         3.0           100,000         45.4         80,000         36.3         200,000         90.8         3.2         80         3.5           125,000         56.8         100,000         45.4         250,000         113.6         3.5         88         4.3           150,000         68.2         120,000         54.5         300,000<	Rated Capacity         Sling D           Vertical         Choker         Basket         Approximate Diameter         Weight           lbs         Te         lbs         Te         inch         mm         lbs/ft         kg/m           40,000         18.2         32,000         14.5         80,000         36.4         2.2         56         1.7         1.2           50,000         22.8         40,000         18.2         100,000         45.6         2.4         61         2.0         1.4           60,000         27.4         48,000         21.9         120,000         54.8         2.6         66         2.3         1.5           70,000         31.8         56,000         25.4         140,000         63.6         2.8         70         2.6         1.7           85,000         38.6         68,000         30.8         170,000         77.2         3.0         75         3.0         2.0           100,000         45.4         80,000         36.3         200,000         90.8         3.2         80         3.5         2.4           125,000         56.8         100,000	Rated Capacity         Basket         Approximate Diameter         Weight         Mini Ben Diameter           Ibs         Te         Ibs         Te         lbs         Te         inch         mm         lbs/ft         kg/m         inch           40,000         18.2         32,000         14.5         80,000         36.4         2.2         56         1.7         1.2         1.95           50,000         22.8         40,000         18.2         100,000         45.6         2.4         61         2.0         1.4         2.14           60,000         27.4         48,000         21.9         120,000         54.8         2.6         66         2.3         1.5         2.33           70,000         31.8         56,000         25.4         140,000         63.6         2.8         70         2.6         1.7         2.51           85,000         38.6         68,000         30.8         170,000         77.2         3.0         75         3.0         2.0         2.78           100,000         45.4         80,000         36.3         200,000         136.4         3.7         95         4.6         3.1	Vertical         Choker         Basket         Approximate Diameter         Weight         Minimum Bending Diameter           lbs         Te         lbs         Te         inch         mm         lbs/ft         kg/m         inch         mm           40,000         18.2         32,000         14.5         80,000         36.4         2.2         56         1.7         1.2         1.95         49           50,000         22.8         40,000         18.2         100,000         45.6         2.4         61         2.0         1.4         2.14         54           60,000         27.4         48,000         21.9         120,000         54.8         2.6         66         2.3         1.5         2.33         59           70,000         31.8         56,000         25.4         140,000         63.6         2.8         70         2.6         1.7         2.51         64           85,000         38.6         68,000         30.8         170,000         77.2         3.0         75         3.0         2.0         2.78         71           100,000         45.4         80,000         36.3         200,000	Rated Capacity         Basket         Approximate Diameter         Weight         Minimum Bending Diameter         Minimum

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

