



Selantic® Slings

Engineered for Precision Lifting

Selantic® Slings provide a safe, reliable, cost-effective and lightweight alternative to heavy chains and wire rope. The endless loop construction enables slings to be manufactured with very low elongation under load; and high strength—up to 2000 Te MBL. Each sling is custom designed for the application; heavy onshore & offshore lifting, subsea installation, mooring, tethering or project-specific lifting.

Material Selection

Each of our custom designed Slings use material specific to your application. We carefully select the optimal core material based on our experience and your application requirements. These core materials include UHMWPE, Aramid and LCP fibers (e.g Technora®, Dyneema®, and Spectra®).

Custom Protective Covers

To protect potential wear areas, the selected core material is encased in a protective cover to ensure a durable and long-lasting lift solution. These tough and highly visible protective jackets can also be matched to your specific needs depending on environmental and usage considerations.

Specialized Hardware

Cortland offers specialty compliant hardware engineering services with all products. Thimbles, shackles, hooks and spreader bars can all be custom engineered into the initial sling design.

Features

- Lightweight and flexible
- Safe and easy to handle
- No damage to painted surfaces
- Durable construction
- Heat resistant and non conductive
- Available with fluorescent jacket for subsea applications
- Design optimization through material selection

Protective Covers

The selected core material is encased in a protective cover to ensure a durable and long-lasting lift solution. Heavier wear protection are used in the eyes.

Custom Designed
Each Selantic® sling is custom designed for the intended application.

Selantic slings can be made as short as one meter and still achieve >1000 Te MBL.



Selantic® Slings

Specifications

materials:	Aramid, UHMWPE or blends
construction:	Parallel laid endless filaments
jacket:	Cordura® cut resistant cover, and special design wear protection in critical areas
capacity:	1 to >2000 Te MBL
length:	0.8 to 88m
length tolerance:	+/- 0.25% of nominal length and 0.1% between matched pairs
certifications:	DNV, CEN and ILO

The below slings are available as standard but each sling is custom-designed and manufactured according to customer's requirements. They are available in lengths varying from short (0.8m) up to 88m, with different characteristics according to the intended application.

Part No	Minimum Breaking Load MBL		Minimum Bend Diameter		Sling Eye Diameter		Est. Weight in air	
	lbs	Te	in.	mm	in.	mm	lbs/ft	kg/m
SD35	77,180	35	1.5	37	1.5	37	0.47	0.70
SD50	110,250	50	1.6	41	1.7	43	0.62	0.92
SD75	165,380	75	1.8	46	2.0	52	0.84	1.26
SD100	220,500	100	2.0	51	2.3	58	1.06	1.58
SD150	330,750	150	2.4	62	2.7	68	1.48	2.20
SD200	441,000	200	2.8	72	3.0	76	1.92	2.85
SD300	661,500	300	3.6	92	3.6	91	2.69	4.01
SD400	882,000	400	4.4	111	4.0	102	3.49	5.20
SD500	1,102,500	500	5.1	129	4.3	110	4.31	6.42
SD750	1,653,800	750	6.8	172	5.1	130	6.28	9.34
SD1000	2,205,000	1000	8.2	209	5.7	145	8.32	12
SD1250	2,756,300	1250	9.5	241	6.2	158	10	15
SD1500	3,307,500	1500	10.6	268	6.7	169	12	18
SD1750	3,858,800	1750	11.4	290	7.1	182	14	21
SD2000	4,410,000	2000	12.1	308	7.6	193	16	25
SD2250	4,961,300	2250	12.6	321	8.0	202	19	28
SD2500	5,512,500	2500	13.2	336	8.2	209	21	31
SD2750	6,063,800	2750	13.8	350	8.6	219	23	34
SD3000	6,615,000	3000	14.3	364	8.9	226	25	37
SD3250	7,166,300	3250	14.8	377	9.3	235	27	41
SD3500	7,717,500	3500	15.4	390	9.5	241	29	44

Your Specifications

When ordering, please provide us with as much information as possible to ensure that we provide you with the most cost-effective solution. For example, is heat or chemical resistance an issue? Would it be advantageous for the sling to have a high visibility jacket for subsea applications? Are special friction resistant wear pads required? How will the sling interface with other lifting components? Given this information, Cortland will design, manufacture and deliver exactly the right solution for your needs.