

SELANTIC® SLINGS AND TOW CABLES

ENGINEERED FOR PRECISION
LIFTING AND TOWING
APPLICATIONS



Selantic® Slings from Cortland International provide a safe, reliable, and lightweight alternative to heavy chains and steel wire rope in demanding mining applications. For more than 25 years, leading mining and industrial operators—including BHP, Peabody, Freeport McMoRan, Arch Coal, Shell, IOL, and Suncor—have successfully relied on Cortland slings and tow cables in daily operations worldwide.

Lightweight and flexible by design, Cortland slings and tow cables enhance safety, handling, and efficiency in mining environments. Proven performance, reduced manual handling risks, and documented improvements in worker safety have made Selantic® solutions a preferred choice across many of the world’s leading mines.

Selantic UHMWPE round slings:

- Endless loop design
- Eye-eye or grommet configurations

Material Selection

Cortland carefully selects materials based on application requirements and decades of engineering experience. Core materials include UHMWPE and aramid fibers such as Kevlar®, Technora®, and Dyneema®. Cortland has also developed proprietary Plasma® fiber technology, resulting in one of the strongest and lightest synthetic fiber rope constructions available today.

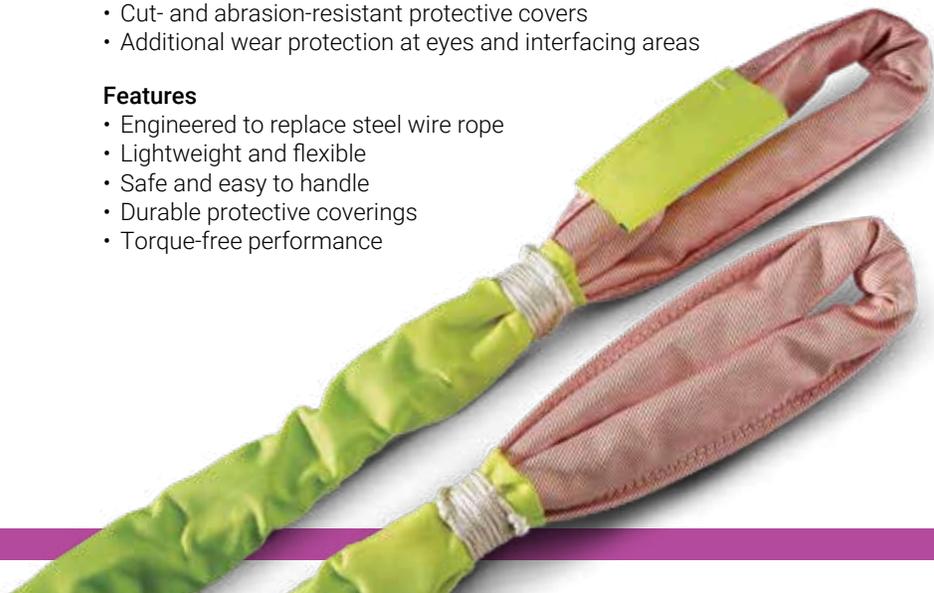
Selantic slings and tow cables are manufactured from synthetic fiber and weigh approximately one-seventh the weight of equivalent-strength steel wire rope, while maintaining similarly low elastic elongation under load.

Fabricated Selantic round slings and tow cables are available in a wide range of sizes and configurations:

- Strengths up to 3000Te
- Standard or custom lengths
- Cut- and abrasion-resistant protective covers
- Additional wear protection at eyes and interfacing areas

Features

- Engineered to replace steel wire rope
- Lightweight and flexible
- Safe and easy to handle
- Durable protective coverings
- Torque-free performance



Specifications

Materials	UHMWPE, Aramid or UHMWPE/Aramid blends
Construction	Parallel laid filaments in an endless loop configuration
Jacket	UHMWPE/Cordura® cut resistant cover and special design wear protection in critical areas
Capacity	1 to >3000 Te MBL
Length	0.8 to 100m
Length tolerance	+/- 0.25% of nominal length
Certification	ISO, ASME B30.9, DNV MO, CEN and ILO

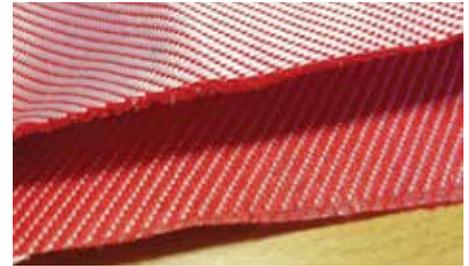


SELANTIC® SLINGS AND TOW CABLES

All Cortland International slings and tow cables are produced under ISO-9001 certification standards. They are clearly tagged with rated capacities:

- MBS (Minimum Break Strength) for tow cables
- MBS and WLL (Work Load Limits) for lifting slings—complying with all ASME B30.9 lifting sling standards

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 100m, with different characteristics according to the intended application.



Unique chafe gear sets Selantic® Slings apart from others

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

MBS (Minimum Break Strength) is the ultimate new sling strength capacity of a Selantic Round Sling used with correct pin diameters in eyes, in a straight vertical or horizontal pull. For safety reasons, Cortland International always recommends the use of a WLL (Work Load Limit) on all slings. WLL is a percentage reduction in MBS. For lifting, a WLL of 5:1 is recommended. Larger strength specifications sizes available on request.

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.

For more information, email us at contact@cortlandinternational.com or visit cortlandinternational.com.

