

Engineered Synthetic Sling Solutions



SEMANTIC SLINGS
HMPE or Aramid Fibers

Endless loop slings with high modulus synthetic fibers provide very low elongations, precise length tolerances and high strength performance

ENGINEERED FOR PRECISION LIFTING - Cortland can solve your precision lifting problem. Our engineering and sales staff has the experience necessary to create a lightweight lifting sling from the extensive high modulus synthetic fiber options available. We understand the harsh marine working environment first hand and put this knowledge to work for you in creating a Semantic sling and associated hardware designed for your specific needs.

MATERIAL SELECTION - Each of our high strength and flexible Semantic endless loop slings use material specific to your application. We carefully select the optimal core material based on our experience and your application requirements, from our wide array of high modulus synthetic fiber options. These core materials include HMPE, Aramid as well as other synthetic fibers.

Specifications:

materials:	Aramid: HMPE LCP or blends
construction:	rovings of fiber
jacket:	Condura@friction resistant cover
capacity:	1 to >2000 to MBL
length:	0.8 to 150m
length tolerance:	+/- 0, 15% of nominal length*
certifications:	DNV, CEN and it.O

*as built length at WLL specified on certificates



PUGET SOUND ROPE SLINGS
Patented plasma
(High Modulus PolyEthylene)

Our patented Plasma 12 x 12 braided construction creates extremely strong lifting slings that are very lightweight, flexible, non-marring and durable

WORLD'S STRONGEST ROPE FOR ITS WEIGHT - Cortland's patented Plasma is strong enough for very lifts yet durable enough for repeated use. Our exclusive Plasma technology processes HMPE fibres into maximum strength efficiency. These fibres are then braided into a torque-free rope. Plasma low elongation properties, its high strength, flexibility and light weight made it a perfect replacement for large diameter wire rope strings. In a same strength and size comparison, Plasma ropes are only 1/7th the weight of common steel wire ropes.

Specifications:

materials:	Patented Plasma HMPE (other high modulus synthetic fibres available such as Aramid or LCP)
construction:	Patented 12 x 12 torque-free braid
jacket:	None - Corder or other braided covers available
capacity:	Nominal diameter sizes up to 200mm • Eye-to-eye vertical hitch - up to 2233to MBL • Grommel vertical hitch - up to 3665 to MBL
length:	Unlimited long lengths - short lengths dependent on size and *free area between supplies
length tolerance:	As low as +/- 25% of nominal length
certifications:	DNV, ASME and others