

# SHARK BYTE™

**New** Shark Byte is the first synthetic rope ever designed from the ground up to resist fish bite damage. Shark Byte's 12 individual strands are a composite of copolymer olefins mixed randomly with Vectran™ LCP (Liquid Crystal Polymer). Yale's theory is that by spreading the high modulus Vectran fiber over a larger than required cross sectional area to achieve a given strength and mixing it with a "tough to cut" lower modulus fiber, greater resistance to bite damage can be achieved. Yale's Shark Byte has successfully and extensively replaced wire on DART

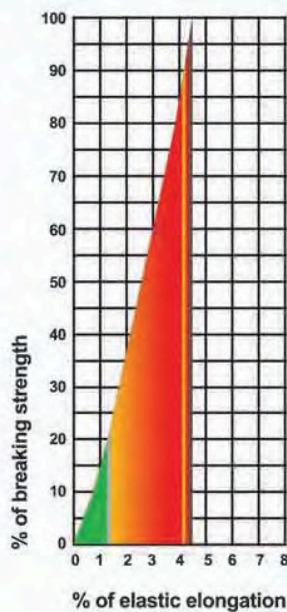
buoys, making them more easily serviced. Shark Byte is easy to splice, entirely torque free, supple even in sub-zero temperatures, and most importantly, hard to cut, if you are a shark and using your teeth. Typically residual strength of an attacked rope is in excess of 40 percent of a new ropes strength. Cataloged are the two most popular sizes we manufacture, other sizes and strengths are available upon request.

Shark Byte is manufactured to specification YCI-772 Rev B, copy available upon request.



Diameter Inches (mm)	Average Spliced Break Strength*		Minimum Spliced Break Strength*		Weight		Specific Gravity** (sea water)
	Lbs	Kg	Lbs	Kg	Lbs/ 100ft	Kg/ 100m	
0.84 (21)	25,500	11,575	22,950	10,415	13.4	20.0	1.15
1.12 (28)	47,750	21,675	42,975	19,510	27.7	41.3	1.14

- \* Knots and abrupt bends significantly reduce the strength of all ropes and lowers maximum working load.
- \*\* It is possible to manipulate the specific gravity of this product. Contact us for info.



### Energy Absorption

The colored area under the curve represents the rope's energy-absorption capability.

- Green working 253 ft. lbs./lb.
- Red ultimate 3,553 ft. lbs./lb.

Splice using Yale's splicing technique document #10015101 (all sizes).

- Maximum Working Load
- Minimum Break Strength
- Average Break Strength