SILVA-TEX 16HD

ARBORIST

This professional EN1891 Type A super tough climbing line has heavy duty abrasion-resistant construction and an excellent energy absorption characteristic.

Reference	Dia. (mm)	Reel Length (m)	Weight (/100m)	Breaking Load (kg.f)	Finished	910/ Blue	960/ Red	689/ Orange
87A10	12.7	25	11.23	3740	Sewn Eye	87A100025910	87A100025960	87A100025689
87A10	12.7	35	11.23	3740	Sewn Eye	87A100035910	87A100035960	87A100035689
87A10	12.7	45	11.23	3740	Sewn Eye	87A100045910	87A100045960	87A100045689
87A10	12.7	60	11.23	3740	Sewn Eye	87A100060910	87A100060960	87A100060689
8710	12.7	200	11.23	3740	Plain Reels	87100200910	87100200960	87100200689

This professional, super tough climbing line has heavy duty abrasion-resistant construction and an excellent energy absorption characteristic. This Rope is a 12.7mm kernmantle constructed climbing line manufactured with a tough polyester overbraid and a nylon core. The rope has an outer sheath and is manufactured with 16 strands of high grade polyester and a parallel twist core of torque balanced High Elongation polyester. The rope is designed and constructed to have a firmness and good hand feel.

TECHNICAL INFORMATION

	Core	Cover
Construction		16-Strand
Material	Nylon	Polyester
Specific Gravity	1.38	1.38
Resistance to Acid	No	Yes
Resistance to Alkali	Yes	Yes
Resistance to UV	Yes	Yes
Resistance to heat	^240°C	^230°C
Shrinkage	0%	

DYNAMIC PROPERTIES

Minimum Static Strength (Unterminated)	22 kN – (2243 kg.f)
Avg Test Break Force (Unterminated)*	3350 kg.f
Avg Test Break Force (Spliced)*	2530 kg.f
Avg Test Break Force (Knotted)*	2210 kg.f
Elongation at 100kg Load	3.7 %
Elongation at 10% ABL (Max climbing load)	7.7 %
Elongation at 20% ABL (Max Rigging Load)	13.1 %
Fall arrest peak Force (EN 1891:1992 - 100kg load 600mm drop)*	5.98 kN
Fall factor 1 drops (EN 1891:1992 - 100kg load 2000+mm drop)	>5 drops

FEATURES & BENEFITS

- 16-Strand construction
- High grade Polyester
- Good to handle
- CE EN1891 Type A approved
- Controlled Extension
- Heavy duty for professional use
- Hard wearing with excellent abrasion resistance
- Suitable for spliced termination

TYPICAL APPLICATIONS

- Arborist

*Figures given are recorded at testing in laboratory conditions.
Witness testing for EN1891 by SGS.

Average Break Strength: The breaking strength of a rope is the load at which a new rope will break when tested under laboratory conditions.
Break strength should not be mistaken for safe working load.

Working Load: Because of the wide range of rope use, rope condition and the degree of risk of life or property, it is not possible to make a blanket recommendation for safe working load. It is ultimately dependent on the rope user to determine what percentage of break strength is their own safe working load.

Wear: Ropes wear out with use; the more severe the usage, the greater the wear. It is often not possible to detect wear on a rope by visible signs alone. Therefore, it is recommended that the rope user determine a retirement criteria for ropes in their application. For assistance in developing safe working load and retirement criteria for each application please call or write to the address below.

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