

ATLANTIC BRAIDS

Fid Lengths & Measurements

*Strength you can
count on!*





Fid Lengths & Measurements

Fids are one of the most important tools utilized in the splicing of rope. Through the ages, fids have been made from bone, wood, plastic and steel in the form of wire, tubes and rods.

While they are often additionally used as measuring devices, the main purpose of a fid is to allow the user a means to manipulate the strands of a rope in order to complete a splice.

FID LENGTH TABLE

ROPE DIAM. IN	SHORT FID (IN.)	LONG FID (IN.)	FULL FID (IN.)
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3/32"	3/4"	1-5/16"	2"
1/8"	1"	1 3/4"	2 5/8"
3/16"	1 1/2"	2 5/8"	4"
1/4"	2"	3 1/2"	5 1/4"
5/16"	2 1/2"	4 3/8"	6-9/16"
3/8"	3"	5 1/4"	7 7/8"
7/16"	3 1/2"	6 1/8"	9-3/16"
1/2"	4"	7"	10 1/2"
9-16"	4 1/4"	7 7/8"	12"
5/8"	4 1/2"	8 3/4"	13 1/8"
11/16"	4-13/16"	9 5/8"	14-7/16"
3/4"	4-3/4"	10 1/2"	15 3/4"
7/8"	4 1/2"	12 1/4"	18 3/8"
1"	5 1/4"	14"	21"
1 1/8"	6"	15 3/4"	23 5/8"
1 1/4"	6 1/2"	17 1/2"	26 1/4"
1-5/16"	7"	18 3/8"	27-9/16"
1 1/2"	8"	21"	31 1/2"
1 5/8"	8 1/2"	22 3/4"	34 1/8"
1 3/4"	9 1/4"	24 1/2"	36 3/4"
2"	10 1/2"	28"	42"

The term “Fid length”, in our splicing instructions, always refers to a “full fid-length” which, is generally accepted to be 21 times a rope’s diameter.

This table provides measurements for *short, long and full fid lengths.

*Short fid lengths are often calculated as a percentage of the total fid length...

Smaller ropes up to 1/2" inches in diameter, have short fid lengths calculated to 37.5% of the total length of the fid.

9/16" to 3/4" diameter rope have short fids lengths calculated to approximately 30% of the total length of the fid.

7/8" diameter and up have short fid lengths calculated to approximately 25% of the total length of the fid.

If you intend to use fids as the basis for your measurements while splicing rope, it is always a good idea to double check the length of your fids with a measuring tape as fids come in a variety of styles and lengths.

ATLANTIC BRAIDS

ABL Rope - Quality and Performance

Performance

Atlantic Braids Ltd. has been designing and manufacturing rope for decades. We specialize in manufacturing braided synthetic cordage, producing over 2,400 variations of our products, all designed with application performance in mind.

Quality

We are an ISO 9001:2015 certified company; this quality management system is in place to ensure that every effort is taken to manufacture and deliver the finest products and services. Manufacturing processes take place in a safe and clean environment with experienced workers using premium raw materials on professional equipment.

Rope Usage & Safety

Always Inspect your rope

Any rope or steel cable will fail if it is worn out. Be sure to visually inspect your cordage before and after every use. While some rope fibres handle certain elements perfectly fine, the following rules generally apply.

- You should always keep your cordage clean
- Protect it from making contact with sharp edges, abrasive surfaces, harsh chemicals and unnecessary prolonged exposure to sunlight.

Rope Specifications & The WLL

Tensile strength is determined by testing done on new cordage under laboratory conditions. NEVER use the nominal/tensile/break-strength listed for a rope or steel cable as the working load limit. A safe WLL (working load limit) is determined by dividing the minimum break strength of a rope by an appropriate design factor (also known as a Safety Factor). For example: A design factor of 10 to 1 means that a rope with a minimum break strength of 30,000lbs will have a WLL of 3,000lbs.

For more information, you can visit our website and consult the Cordage Institute's International Guideline on the "Safer Use of Fibre Rope".

Safe Use

Understanding a specific rope's strengths and weaknesses is an important first step in understanding whether it is suitable for a particular application or not. It is ultimately the responsibility of the end user to take all possible precautions when using a rope. It is also the end user's responsibility to have sufficient knowledge and a complete understanding of the proper techniques required for any specific rope application.

Always put safety first!