

“How do I know if my line will break at the said breaking strain?”

I asked this question of Peter Babarskas from Western Australia recently. Peter is G.F.A.A.’s official line tester. Using the table of specifications of name brand lines and their diameters he measures the line to determine if that particular line is within the breaking strain measurements. To test a line he soaks it in distilled water for 2 hours before testing occurs. It is placed on a machine that pulls the line till it breaks and records this measurement. This is done a minimum of 3 times and no more that 5 times. The end result is averaged and the breaking strain of that line is classified.

For record claims the angler must specify which line class they are applying for and that determines the test results. It must break under the applied line class and above the line class below.

The chart below has the line diameter measurements of the most popular game lines. With Tuna season just around the corner it will be time to check you gear and line. Check that the line is not too old and been effected by the UV rays while in storage. It would be a pity to miss out on an Australian or State record by not checking. The club has a line testing machine that will give you a guide as to what the line on a reel is classed if you have forgotten. This is inside the club rooms and as I said it will be a guide only as it is not certified or measure the line diameter if you know the brand name.

Line Manufacturers Pretest Line Diameter Specs

Makes of Line with IGFA Rating	1kg	2kg	3kg	4kg	6kg	8kg	10kg	15kg	24kg	37kg	60kg
Ande	0.13mm	0.175mm	0.22mm	0.25mm	0.325mm	0.375mm	0.425mm	0.525mm	0.7mm	0.85mm	1.201mm
Dual						0.35mm	0.39mm	0.49mm	0.65mm		
Hawk	0.12mm	0.18mm	0.22mm	0.25mm	0.325mm	0.375mm	0.425mm	0.525mm	0.65mm	0.85mm	1.301mm
Maxima Tournament	0.12mm	0.22mm	0.24mm	0.27mm	0.33mm	0.35mm	0.40mm	0.52mm	0.65mm	0.92mm	1.22mm
Momoi Hi -Catch				0.285mm	0.35mm	0.4mm	0.45mm	0.57mm	0.74mm	0.91mm	1.17mm
Platypus Pre Test	0.13mm	0.201mm	0.23mm	0.28mm	0.38mm	0.44mm	0.48mm	0.61mm	0.77mm	0.10mm	1.101mm
Shogun					0.281mm	0.329mm	0.327mm	0.461mm	0.605mm	0.775mm	
Stren			0.23mm	0.28mm	0.36mm	0.41mm	0.45mm	0.56mm	0.71mm	0.89mm	1.12mm
Sufix Ultra Supeme		0.18mm	0.20mm	0.25mm	0.30mm	0.35mm	0.40mm	0.48mm	0.64mm	0.80mm	
Trilene					0.301mm	0.34mm	0.41mm	0.47mm	0.63mm	0.76mm	
Tortue	0.12mm	0.2mm	0.22mm	0.24mm	0.32mm	0.35mm	0.4mm	0.5mm	0.65mm	0.85mm	1.001
Penn International				0.27mm	0.32mm	0.37mm	0.42mm	0.52mm	0.68mm	0.86mm	1.1mm