

# Auto Longlining

The nominated Australian vessel will be targeting Antarctic toothfish (*Dissostichus mawsoni*) using a 40, 000 hook Mustad Autoline System including a Mustad 3000 Autobaiter baiting machine. The vessel is also fitted with an SP2000 Mustad Autoline hook separator, Autoline Combi haulers, and Mustad Line Controller systems (to reduce the chance of line breakage).

Figure 1: Auto Longline Fishing System

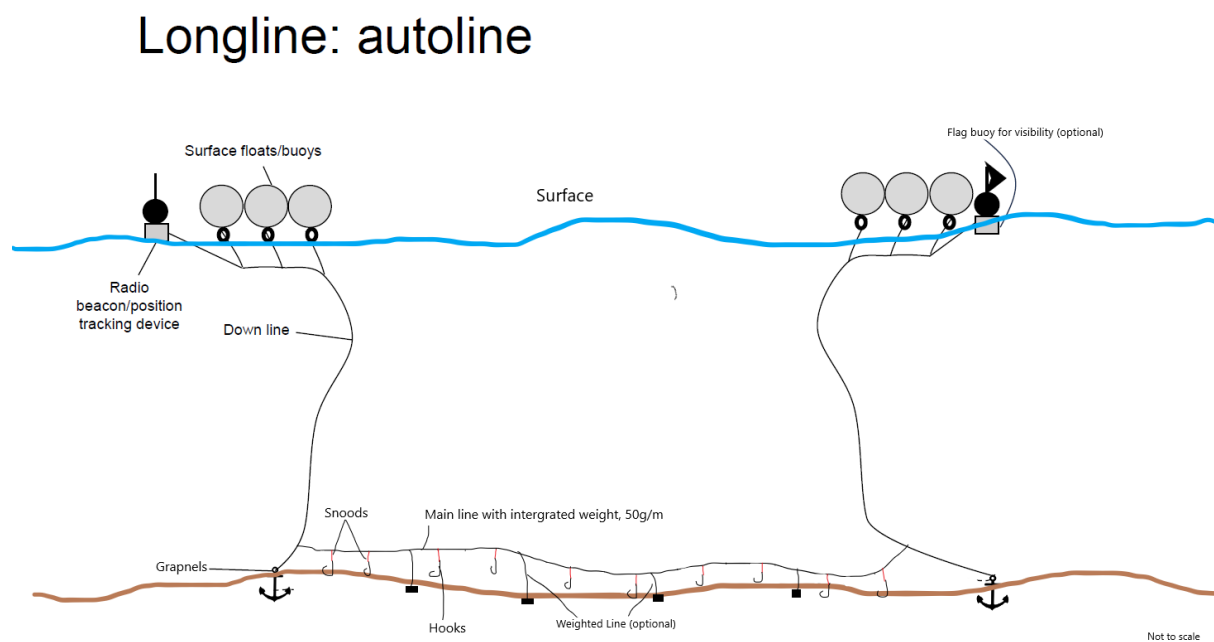


Figure 2: Hook type

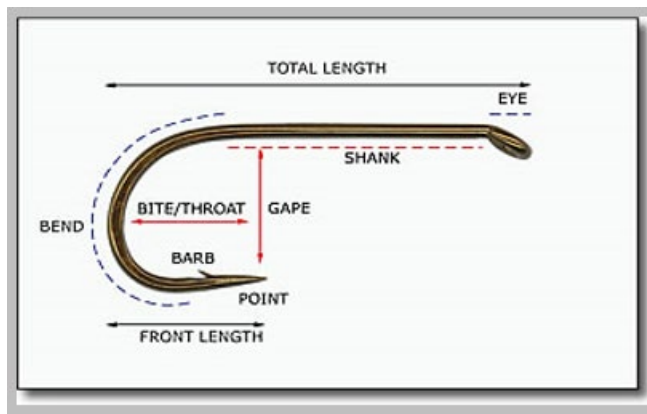


Table 1: Antarctic Discovery description of main gear items

Item		Descriptions
Main line		12.0mm Integrated weighted line (IWL) at 50 grams per lead per meter of line
Downline		12.0mm line
Grapnels		2x80kg grapnels used per line.
Hooks	Type	Circle & J-hook hybrid, 2X extra-heavy and extra forged wire, Impregn. Twisted polyester, sewn loop
	Spacing	1.4m apart
	Length (cm)	8
	Shank Length (cm)	6
	Grape (cm)	1.8
	Throat (cm)	3.2
	Front length (cm)	3.5
	Spacing (m)	1.4
Floats		Surface floats only
Snoods		Polyester snoods of 0.45m length