

Fishing Gear(Trotline) Diagram

Trotline would be used for *Dissostichus* spp. throughout whole activities in the CCAMLR Convention Area. The system consists of main line (polypropylene, $\phi 20$ mm) and a series of several hundred trotlines, joined consequently to the main line. The total length of the main line varied from 4,000 to 25,000m. Trotline has 2-4 clusters of hooks; each cluster has 3-5 hooks (size 30x75 mm, steel, made in South Korea) and one or two 5kg steel weights or 7kg steel weights at the end. The distance between the clusters is 0.5m - 1.2 m.

The system of trotline would be equipped with GPS buoy (M3P buoy), red colored and marked by call sign inflatable buoys and anchor (100-120 kg) with three or four additional 70kg weights; 210-280kg in total. Setting of the trotline is carried out from the stern and the hauling is from the starboard side. To sum up;

Trot line: About 1,500 – 20,000ea hooks are deployed on each set (Figure 1)

- Lazy line (from anchor to before mainline) is 200-250m. Branch line (connect line + snap line) is connected to main line. At the bottom end of this branch line, 2 weights are connected and weight of them is 5kg each (total 10 kgs).
- The branch lines are connected to main line successively at interval of 22~35m.
- To each branch line, there are 2-4 clusters and each of them consists of 3-5 hooks (total 6-20 hooks at branch line)
- It takes about 30-60 minutes to complete the setting and 2.5-10 hours for hauling for depth 800m- 1,500m

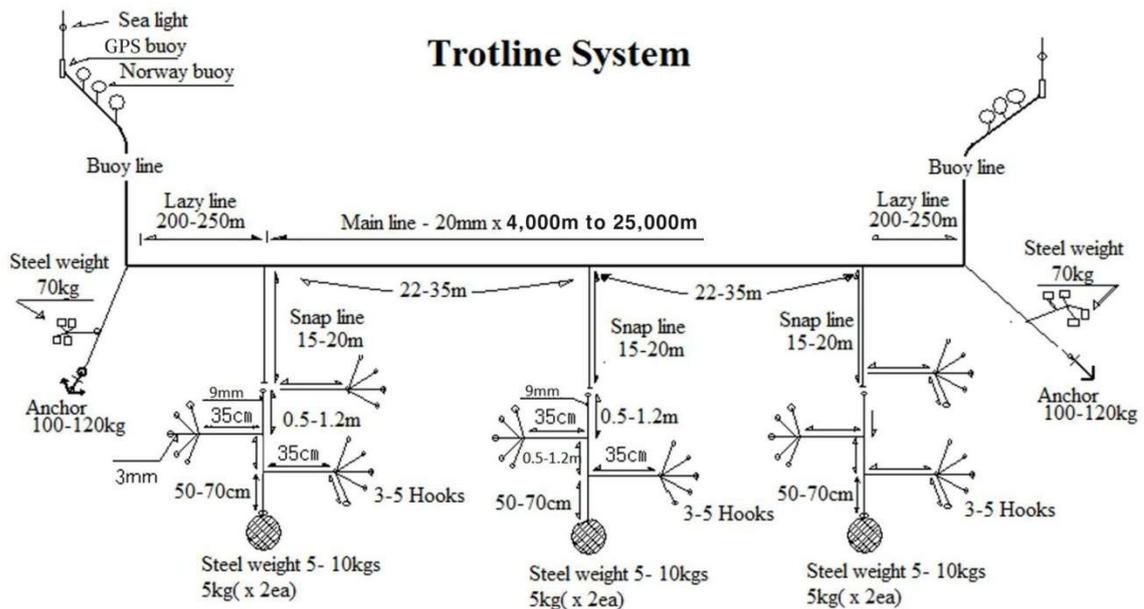


Figure 1. Fishing gears; trot line (upper side) used in the Convention Area.