

About HEATING TO WINCH DRUM

Heating of winch drum is a THREAT to winch fibre rope such as Dymeena rope!

--Where is the heating to drum mainly from?--

At this moment, most recovery winches have a Mechanical Braking System inside the winch. There is friction between this Braking System and the inner surface of the winch drum, specially when running the winch in reverse, for example, extending winch rope when clutch engaged. According to testing results, the heating of the winch drum is considerable, sometimes, it reaches a temperature of More than 110..

Nevertheless, this friction means a consumption of the winch's efficiency, Leading to higher amperage draw and etc.

--What's kind of Braking System is used for Tigerz11 9000LB,12000LB Two Speed & 10000LB Competition winch?--

Tigerz11 winch has a COMPLETELY DIFFERENT Braking System, which is named BE Braker (Bi-directional Electro-magnetic Braking system). This kind of brake is very similar as the brake used for an electric hoist. When the winch is powered and press button "IN" or "OUT" on the handheld remote control, BE Braker will not function. As soon as the button is released, BE Braker functions.

Most important of all, BE Braker is NOT inside winch drum, which will not heat the drum at all.

Different from the normal braking system inside the winch drum, BE Braker has the fixed braking force when it functions irrespective of the load that the winch is working for. While for the normal braking system inside winch drum, the

braking force always equals to the load the winch is working on numerically.

BE Braker is used for our new
9000LB, 12000LB Two Speed & 10000LB Competition winches?--