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e-SYNC – used with Overshot

Inclination Applications

Surveys Using an Overshot in Normal Core Retrieval

A Pajari **Quik-Connect** coupling is installed between your cable swivel or spearhead at the top of the overshot.

The **e-SYNC** has the same **Quik-Connect** couplings that you just installed on your overshot. When it is time to take a survey, you simply insert the **e-SYNC** and make it part of your overshot.

This now allows the **e-SYNC** to take a survey, the **same time** as you retrieve your core barrel. The **Quik-Connect** set-up also allows you to easily remove the **e-SYNC** when you just want to use your normal overshot.

This "**Steep Hole**" assembly, is capable of surveying holes from vertical (-90°) to -35°. Lowering to the core barrel is achieved by using gravity.

In flat holes and up holes a standard pump-in overshot would be required.

The threads on the **e-SYNC** are an internal 1" - 16 TPI thread making the cable swivel/spearhead collar standard with Q and O designated wireline overshots.

Retrieving The Core

Normal drilling practices can be followed to retrieve the core with only two procedural cautions.

When lowering the instrument in steep holes (-90° to -50°), lower it as rapidly as it will naturally fall then gently slow it down to 30% of the lowering speed for the last 30-40 meters. This will protect the instrument from unnecessary shock.

In shallow holes (-50° to -35°), it is not necessary to slow the overshot down as slowing down may result in failure to retrieve the core barrel assembly.

Once the instrument has reached the core barrel, allow the cable to stay slack and leave the instrument to lock undisturbed for **20 seconds**. After the locking time is complete, raise the core barrel as rapidly as you would normally until the overshot reaches the top of the drill rods.

On retrieval the **e-SYNC** is ready to download the survey results as soon as it clears the collar.

