

Casing Collar Locator (CCL)

Responds to changes in metal volume, such as pipe collars and perforations

Application

- Depth control in casing or tubing
- Location of casing or tubing damage
- Confirmation of perforation depths or intervals

Features

- Combinable with other Baker Hughes Ultrawire production logging tools

The Baker Hughes **Casing Collar Locator (CCL)** responds to changes in metal volume, such as pipe collars and perforations.

As the tool passes a collar, or changes in metal volume, lines of magnetic flux between two opposing permanent magnets are disturbed. This

causes a low frequency voltage or Electro Magnetic Field (EMF) to be induced in a coil, mounted between the permanent magnets. Finally, the signal is converted by a voltage-controlled oscillator for recording in the Baker Hughes **Ultrawire™ production logging** section of the tool.

Specifications

Temperature rating	350°F (177°C)
Pressure rating	15,000 psi (103.4 MPa)
Tool diameter	1 ¹¹ / ₁₆ in. (43 mm)
Tool length	18.5 in. (470 mm)
Tool weight	12.1 lb (5.5k g)
Toolbus	Ultrawire production logging tool
Current consumption	16 mA
Sensor measure point	6.5 in. (165.1 mm)
Materials	Corrosion resistant throughout

