

Purpose

The **Brico CCL** is deployed by E-Line, providing real-time logging data from within the wellbore to the surface acquisition system. The Shooting CCL tool measures the change in thickness of magnetic material surrounding it.

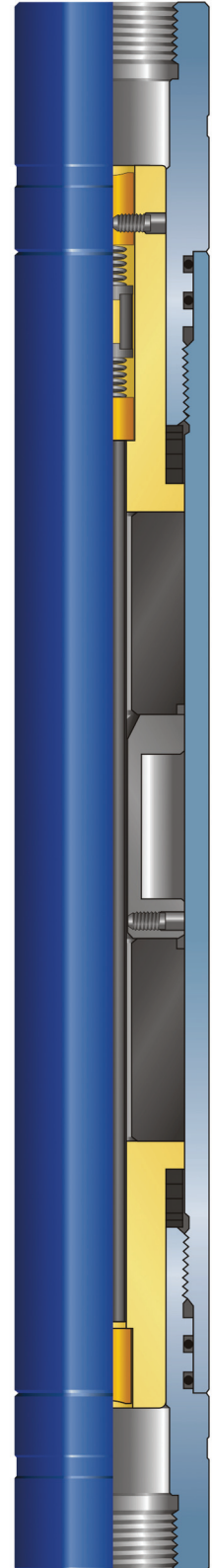
Operation

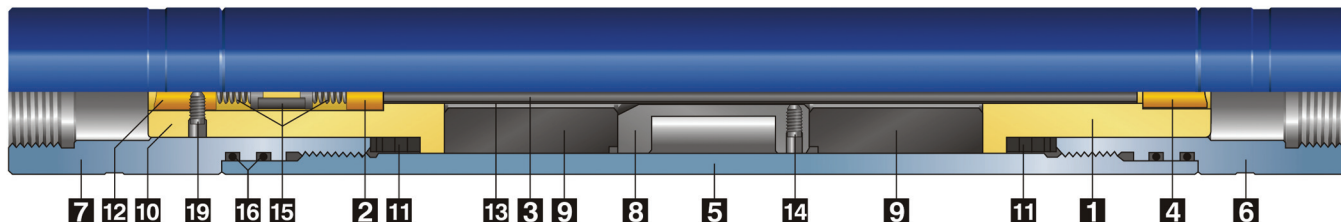
In the wellbore, when the tool moves by a casing collar, the increase in metallic mass pulls the magnets fields towards the coil causing signal (voltage) in the coil. This signal travels along the E-line to the acquisition system where it is interpreted.

Inside the Shooting CCL are Silicone rings that help absorb the explosive force released when perforating equipment is fired within the wellbore. When perforating, a diode within the tool ensures the voltage from a shooting panel bypasses the coil, preventing damage to the assembly.

Specifications

Shooting Casing Collar Locator (CCL) (Product N° 51-11)	
Thread Size and Type	1 11/16" (42.8mm)
Assembly Number	51-1104344-00
Sensor Offset	5.78" (147mm)
Pressure Rating	20,000 psi (138 mPa)
Maximum Temperature	392°F (200 °C)
Overall Length	13.75" (350mm)
Shipping Weight	6 lbs (2.7 kg)
Redress Kit Number	51-1104344-99
O-Ring Redress Number	51-1104344-98





51-11 Shooting Casing Collar Locator (CCL), Parts List

Item	Qty.	Description	51-1104344-00
			Part Number
1	1	1 11/16" Bottom Mount	51-1104344-01
2	1	Top Contact Rod Nut	51-1104344-02
3	1	1 11/16" Contact Rod	51-1104344-03
4	1	Bottom Recepticle	51-1104344-04
5	1	1 11/16" Housing	51-1104344-05
6	1	1 11/16" Bottom Sub	51-1104344-06
7	1	1 11/16" Top Sub	51-1104344-07
8	1	1 11/16" Magnet Coil Housing	51-1104344-08
9	2	1 11/16" Magnet	51-1104344-09
10	1	1 11/16" Top Shock Mount	51-1104344-10
11	8	1 11/16" Shock Absorber	51-1104344-11
12	1	Top Recepticle	51-1104344-12
13	1	Rod Insulator	51-1104344-13
14	2	Grounding Ball Spring Screw Set	51-1104344-14
15	1	Diode Assembly	51-1104344-15
16	4	125 Viton 90 O-Ring	81-1250000-04
19	2	Cap Screw 6-32 UNC x 0.25" Long	82-0250632-01