

Perforating Casing Collar Locator (CCL)

Titan Division | Instruments

Features

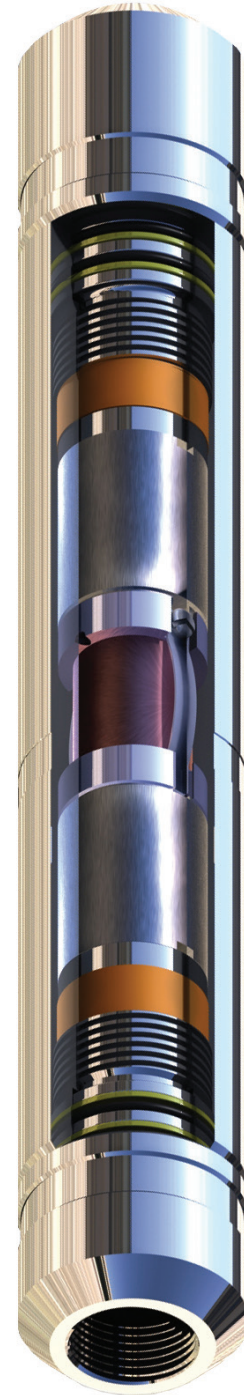
- High strength Alnico 5 magnets for rugged applications
- Wet wound pick-up coils
- Advanced diode shock mounting technology
- Interchangeable upper and lower adapters for connecting tools with different thread profiles

Benefits

- Ruggedized for reliable perforating in difficult environments
- Reduced cost associated with quicker maintenance
- Suitable with all Hunting explosive and remedial cased-hole support services
- Compatible with all explosive detonators and igniters

Hunting's Perforating Casing Collar Locators (CCL) are an extremely rugged and proven tool, designed to correlate depth to a base log, such as a gamma ray (GR)/CCL. Renowned for repeatedly withstanding the harshest environments associated with cased-hole perforating, the Hunting Perforating CCL is considered the leader in reliability.

Specially designed, three-magnet, multi-coil-powered with amplified CCLs, along with integral firing circuits are available for large-diameter casing or flush-joint completions.



Perforating CCL Specifications

| | 1 in (25mm) | 1-7/16 in (37mm) | 1-11/16 in (43 mm) | 2-1/8 in (54mm) | 2-3/4 in (70 mm) | 3-1/8 in (79 mm) | 4-1/2 in (119mm) |
|--------------------------------------|-----------------|------------------|--------------------|------------------|---------------------------|---------------------------|---------------------------|
| Part Number | 0262-000-020 | 0263-500-000 | 0264-500-000 | 0265-500-000 | 0268-500-0#1 | 0257-500-0#1 | 0266-500-0#1 |
| Measurements | | | | | | | |
| Offset from bottom shoulder (in)[cm] | 5.8 [14.7] | 12.1 [30.7] | 6.6 [16.8] | 6.8 [17.3] | 9.6 [24.4] | 9.6 [24.4] | 9.3 [23.6] |
| Max. Temp. (F)[C] | 500 [260] | 500 [260] | 500 [260] | 500 [260] | 500 [260] | 500 [260] | 500 [260] |
| Max. Pressure (psi)[MPa] | 15,000 [103] | 20,000 [138] | 20,000 [138] | 20,000 [138] | 20,000 [138] | 20,000 [138] | 20,000 [138] |
| Material | Stainless Steel | Beryllium Copper | Stainless Steel | Beryllium Copper | Stainless Steel | Stainless Steel | Beryllium Copper |
| Mechanical | | | | | | | |
| Outside Diameter (in)[mm] | 1.00 [25.4] | 1.44 [36.6] | 1.69 [42.9] | 2.13 [54.0] | 2.75 [69.9] | 3.13 [79.4] | 4.50 [114.3] |
| Overall Length (ft)[m] | 1.08 [0.33] | 2.01 [0.61] | 1.14 [0.35] | 1.19 [0.36] | 1.57 [0.48] | 1.58 [0.48] | 1.52 [0.46] |
| CCL to Top Shoulder (in)[mm] | 7.0 [177.7] | 12.37 [314.3] | 7.18 [182.8] | 7.44 [188.9] | 9.25 [234.9] | 9.37 [238.1] | 9.0 [228.6] |
| CCL to Housing End (in)[mm] | NA | 6.75 [171.4] | 4.93 [125.0] | 5.44 [138.1] | 7.25 [184.2] | 6.63 [168.3] | 6.50 [165.1] |
| CCL to Bottom Shoulder (in)[mm] | 5.75 [146.0] | 11.74 [298.3] | 6.55 [166.4] | 6.81 [173.0] | 9.63 [244.5] | 9.63 [244.5] | 9.25 [235.0] |
| Weight (lb)[kg] | 2 [0.9] | 9 [4.1] | 7 [3.2] | 12 [5.4] | 28 [12.7] | 36 [16.3] | 70 [31.8] |
| Max. Tension (lbf)[kN] | 21,000 [93] | 65,000 [289] | 65,000 [289] | 65,000 [289] | 65,000 [289] [†] | 65,000 [289] [†] | 65,000 [289] [†] |
| Top • Bottom Connection | 13/16" GO Box • | 1-3/16" GO Box • | 1-3/16" GO Box • | 1-3/16" GO Box • | 1-3/16" GO Box • | 1-3/16" GO Box • | 1-3/16" GO Box • |
| | 13/16" GO Box | 1-3/16" GO Box | 1-3/16" GO Box | 1-3/16" GO Box | GO Quick Change Box | GO Quick Change Box | GO Quick Change Box |
| Electrical | | | | | | | |
| Max. Voltage (VDC) | 600 | 600 | 600 | 600 | 600 | 600 | 600 |
| Max. Current (mA) | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 | 2,000 |

Use "0" for plain upper head; "1" for upper head connection 2 inch fishing neck

† Pull strength assuming GO connection used on upper head. If Acme connection used on both ends, then pull strength increases to 126,000 lbf (560 kN)

Optional Adapters

| O.D. (in)[mm] | Assembly Part # | Contact Kit | Upper Head Adapter |
|---------------------------|-----------------|--------------|--|
| 2-3/4 [70] | 0268-000-007 | - | 1-5/8"-6 Acme Box |
| | 0268-000-010 | 0257-000-332 | 1-3/16"-12 GO Box with 2"-6 Acme fishing neck thread |
| | 3885-000-060 | 3885-000-062 | 2-3/4" O.D. Sinker Bar Assembly |
| | 3890-000-330 | 3885-000-062 | 3-1/8" O.D. Sinker Bar Assembly |
| 3-1/8 [79] | 0257-200-003 | - | 1-3/16"-12 GO Box with 2"-6 Acme fishing neck thread |
| | 0257-200-007 | - | 1-5/8"-6 Acme Box |
| | 3890-000-130 | 5401-000-032 | 3-1/8" O.D. Sinker Bar Assembly |
| 4-1/2 [114] | 0266-000-002 | - | 1-5/8"-6 Acme Box |
| | 0266-000-120 | 0257-000-332 | 1-3/16"-12 GO Box with 2"-6 Acme fishing neck thread |
| Lower Head Adapter | | | |
| 2-3/4 [70] | 3885-000-070 | 3890-000-222 | 2-3/4" O.D. Sinker Bar Assembly |
| 3-1/8 [79] | 0257-200-006 | - | 1-3/16"-12 GO Box |
| | 3890-000-220 | 3890-000-222 | 3-1/8" O.D. Sinker Bar Assembly |
| | 3890-000-340 | 3890-000-222 | 2-3/4" O.D. Sinker Bar Assembly |

About Hunting's Titan Division

For successful cased hole logging and perforating services, tool reliability, availability, and time line of delivery are essential. Hunting supplies customers worldwide with the right tools to get the job done. Our product lines include state of the art, high quality wireline and tubing conveyed perforating (TCP) gun systems, hardware and accessories, shaped charges, and electronic logging tools.