

## Perforating Casing Collar Locator (CCL)

Titan Division | Instruments

### Features

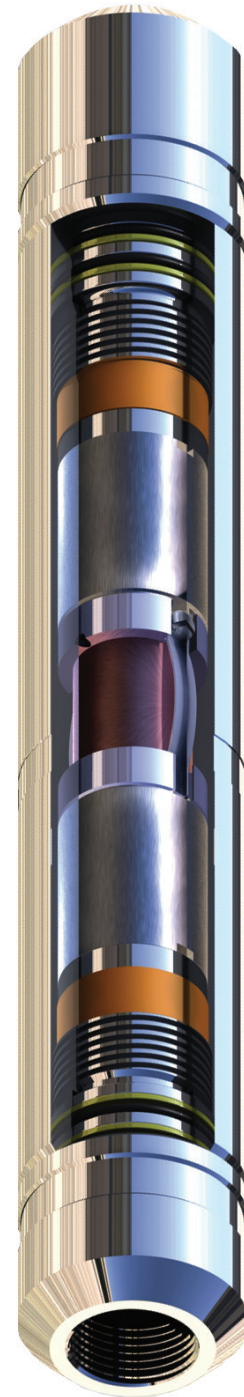
- High strength Alnico 5 magnets for rugged applications
- Wet wound pick-up coils
- Advanced diode shock mounting technology
- Interchangeable upper and lower adapters for connecting tools with different thread profiles

### 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
<b>Measurements</b>							
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
<b>Mechanical</b>							
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] <sup>†</sup>	65,000 [289] <sup>†</sup>	65,000 [289] <sup>†</sup>
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
<b>Electrical</b>							
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
<b>Lower Head Adapter</b>			
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.