



## Antenna Sub Electrical Gap Sub

### The ULTIMATE in Drill String Electrical Gap Sub for EM MWD applications

The latest generation shop serviceable gap sub is placed in the bottom hole assembly to create an electrical break in the drill string. This electrical break is used by Electromagnetic Measurement While Drilling (EM MWD) equipment to initiate a subsurface signal to convey real-time drilling parameters and information to the surface.

### BENEFITS & FEATURES

- The Antenna Sub uses a unique ceramic coating between the male and female parts to minimize current leakage and maximize energy efficiency.
- The rugged and robust design does not compromise the structural integrity of the bottom hole assembly.
- The flex sections help the antenna sub to resist high bending moments placed on it when the drill string is run through a dogleg.
- Spiral hardbanding adjacent to the insulative gap help protect the gap from damage caused by borehole contact.
- The sealing features and API connections are easily serviced in any shop capable of servicing downhole tools with quick turn around time.



### Technical Specifications

*The following sizes are typical, however, custom configuration is available.*

Collar O.D.	5"	6-1/2"	8"
Standard Connection	3-1/2 API IF (NC 38)	4-1/2 API IF (NC 50)	6-5/8 API REG
Make-Up Torque	10,700 ft-lbs (1,450 daNm)	33,000 ft-lbs (4,474 daNm)	54,200 ft-lbs (7,349 daNm)
L1	100.325" (2,550 mm)	100.325" (2,550 mm)	100.325" (2,550 mm)
A	5.000" (127.0 mm)	6.500" (165.1 mm)	8.000" (203.2 mm)
Through Bore	2.688" (68.3 mm)	2.812" (71.4 mm)	3.250" (82.6 mm)





**Arrival USA**

2615 Holdridge  
(833) 645-8665  
Midland, Texas 79707

**Arrival Canada**

6221 41 St  
(780) 983-8300  
Leduc, Alberta T9E 0V7