



# Oilwell Solutions

Superior EM-MWD Antenna Subs

[www.oilwellsolutions.com](http://www.oilwellsolutions.com)



# Gap Sub Specifications

## Features:

- Available in Single and Double gap configurations
- The only gap sub not using brittle epoxy or ceramic coatings as electrical insulators
- Customizable lengths, mounts & ports available
- Built for years of reliable service
- Repairable by customer
- No electrical resistance degradation
- Isolator system comprised of 6 materials
- OD hard banding on most sizes protects isolator from damage



O.D.	3 <sup>3</sup> / <sub>4</sub> "	4"	4 <sup>3</sup> / <sub>4</sub> "	6 <sup>1</sup> / <sub>2</sub> "	8"
I.D.	2.31 in	2.31 in	2.69 in	2.81 in Or 3 in Special Order	3.25 in Or 3.5 in Special Order
End Threads	2-7/8" SL H-90 Pin X Box or Special	2-7/8" SL H-90 Pin X Box or Special	3-1/2" IF Pin X Box or Special	4-1/2" XH Pin X Box or Special	6-5/8" Regular
Maximum Temperature	350°F	350°F	350°F	350°F	350° F
Maximum Down-Hole Pressure	25,000 psi	25,000 psi	25,000 psi	25,000 psi	25,000 psi
Maximum Pull and Reuse	165,000 lbs	165,000 lbs	242,000 lbs	375,000 lbs	474,000 lbs
Maximum Pull before Failure	295,000 lbs	295,000 lbs	469,000 lbs	1,168,000 lbs	1,476,000 lbs
Maximum Operating Torque	9,500 lbs-ft	9,500 lbs-ft	15,700 lbs-ft	26,500 lbs-ft	45,600 lbs-ft
Maximum Dogleg Severity (Rotating)	20°/100 ft	20°/100 ft	18°/100 ft	12°/100 ft	7°/100 ft
Maximum Dogleg Severity (Sliding)	40°/100 ft	40°/100 ft	36°/100 ft	24°/100 ft	12°/100 ft

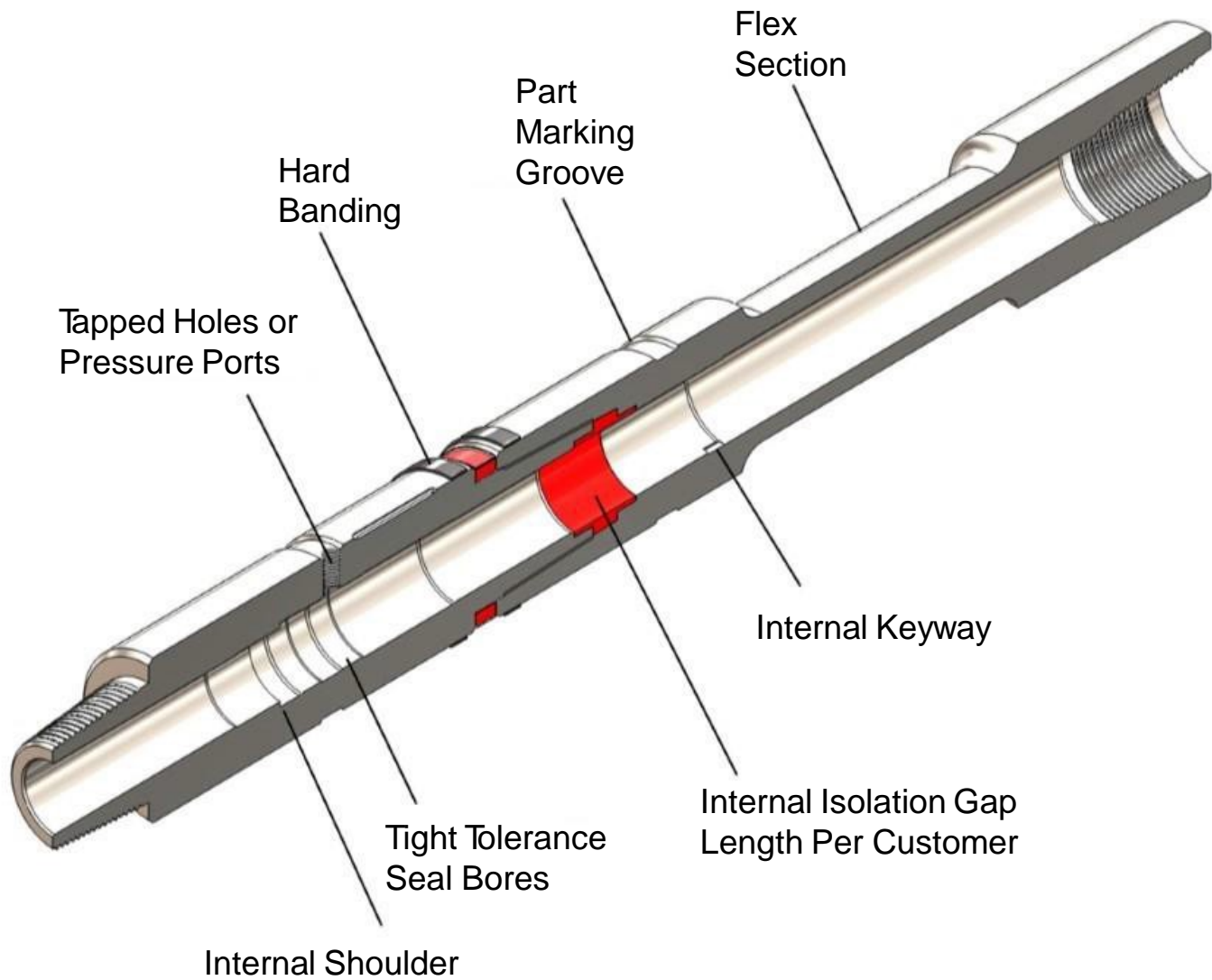
*Premium Isolation Subs Since 2009*

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# EM-MWD Gap Subs

## Custom Features Available:



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