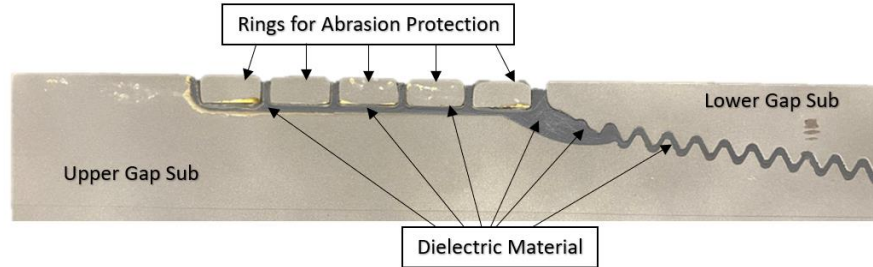


Date: February 6, 2024  
Applicability: xBolt-G2 and XEM  
Issued By: Jack Rader  
InTouch:

**BACKGROUND INFORMATION**

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Extreme gap subs are constructed with metal rings that protect the dielectric gap from abrasion against the formation.



Gap subs exposed to corrosive drilling conditions or with excessive wear of dielectric material have been observed to crack in operation.



This cracking has been observed to propagate with continued use and result in pieces of the bands being left downhole. The dielectric is also then left without protection and subject to accelerated abrasion.



**RECOMMENDATIONS**

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To avoid the risk of junk in hole and accelerated dielectric wear, Extreme recommends removing subs that have visible cracks from operation.