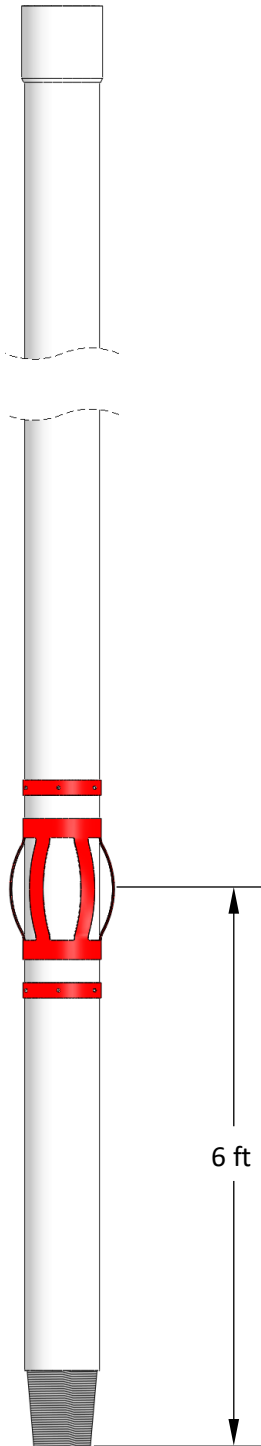




Centraliser

Spacing Pattern Recommendations



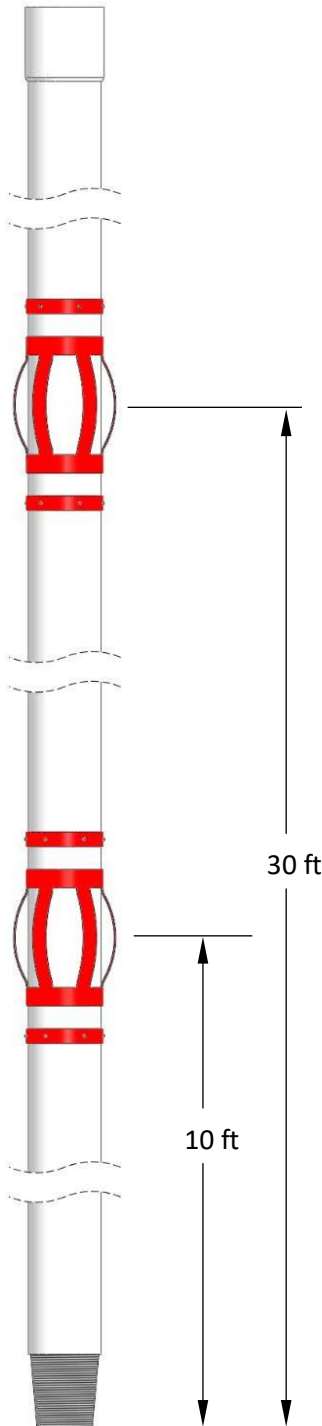
1 per joint spacing

Details:

Recommendations are based on a 40ft joint length.

Stop collars are positioned approximately 3" either side of the centraliser.

Dimensions are taken from the pin end.



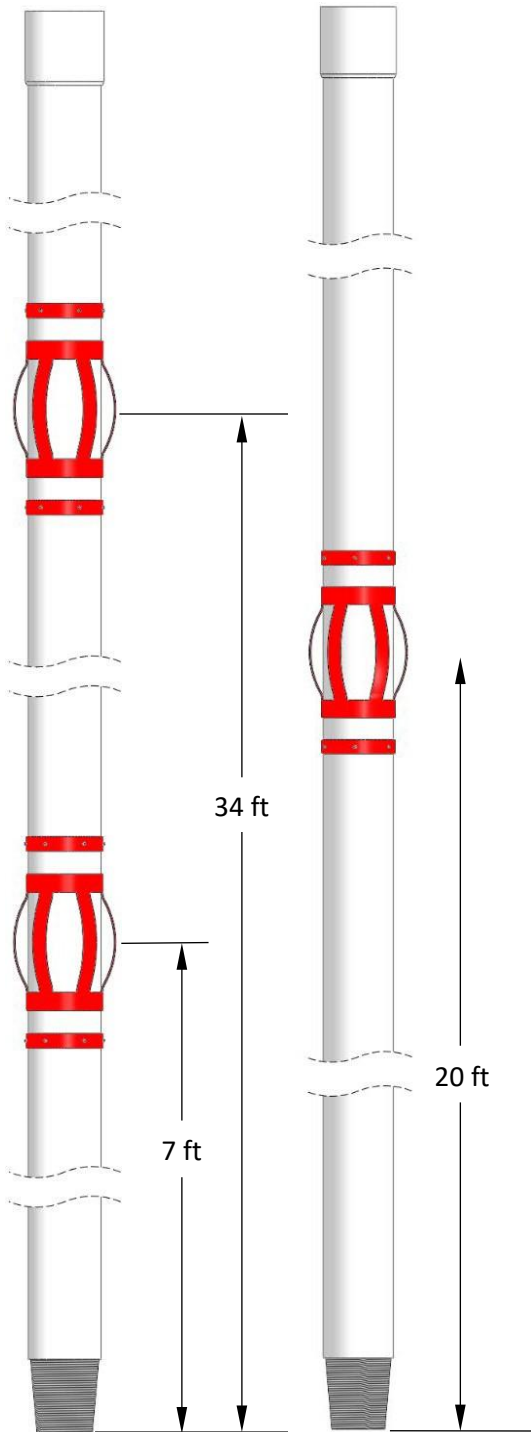
2 per joint spacing

Details:

Recommendations are based on a 40ft joint length.

Stop collars are positioned approximately 3" either side of the centraliser.

Dimensions are taken from the pin end.



3 per 2 joint spacing

Details:

Common pattern supporting casing in narrow annulus and horizontal boreholes.

Consecutive pairs of two joints are RIH.

Recommendations are based on a 40ft joint length.

Stop collars are positioned approximately 3" either side of the centraliser.

Dimensions are taken from the pin end.