

### 1 1-4" Spring Centralizer

#### Application

The Spring Centralizer is a mechanical device used to centralize the tool string while it is run in and out of a cased or tubed well. Keeping the tool string centralized helps to prevent it from getting stuck downhole. It can be positioned anywhere on the tool and often, two Spring Centralizers are used in a string, one at the top and one near the bottom, to further increase the strings stability.

#### Features

- Use to Centralize Memory Tools in Tubing or Casing
- Spring Design Evenly Distributes Loading
- NACE Compliant Construction for Sour Service

#### Benefits

The Spring Centralizer has a very simple design, making it a more cost effective solution than the Roller Centralizer.

1.68" Spring Centralizer		
Assembly Type	Thread Type	Part No.
Sweet Version (SS17-4)	Amerada	104205
Sour Version (Inconel 718)		103515

Specifications	
Centralizing Range	1.69" to 8.7"
Load Capacity	30 lbs
Tensile Breaking Strength	45,000 lbs
Working Load	30,000 lbs

Amerada Pin Thread Type

1.063

Ø1.25

Amerada Box Thread Type

