

Shearometer Kit

Product Information



Viscosity

The Shearometer Kit is used in determining the gel strength of a drilling fluid.

Description

The Shearometer is the primary measuring device used in the determination of the gel strength of a drilling fluid. The set consists of a stainless steel sample cup with a graduated scale mounted vertically in the center of the cup base and two hollow shear tubes. The scale measures gel strength in lbs/100ft².

Technical Specifications

Diameter	:	100 mm 3.94"
Height	:	220 mm 8.66"
Weight	:	0.5 kg 1.1 lbs

Operation

1. Clean and dry the sample cup and scale.
2. Pour a freshly agitated drilling fluid sample into the stainless steel sample cup.
3. As soon as the surface of the fluid is calm and steady, carefully fit a hollow Shearometer tube over the measuring scale protruding up from the drilling fluid sample and lower the tube to the surface of the fluid.
4. Start the stopwatch when releasing the tube.
5. After the Shearometer tube sunk into the fluid for one minute, read and record the scale reading visible at the top of the Shearometer tube. The reading should be reported in lbs/100ft² as gel strength.

Other possible results:

- If the tube is not penetrating the surface of the drilling fluid, the gel strength is beyond the measuring range.
- If the tube sunk to the bottom in 60 second or less, the gel strength is zero.
- To measure the 10 minute gel strength allow the drilling fluid to stand undisturbed for 10 minutes, then proceed as described above in step 3.

Maintenance

The Shearometer is maintenance free. Clean and dry it after each use and ensure proper storage when not in use.

Order Information

Shearometer Kit	8030.0.00000240
Stopwatch	9000.0.00.34906