

Rotary & Dynamic Sampling



Friction-welded rods have friction welded tool joints which are specially hardened and made of the highest quality steel. This means that different steel qualities can be chosen for the mid-body section and the tool joints. A high-quality alloy steel is used for the tool joints, increasing the strength of the threads where it is required, combined with a thinner tubular material in between. This makes the rods lighter and easier to handle.

An additional surface hardening can be applied to the tool joints for increased wear resistance if required. Suitable for rotary and Down the Hole Hammer drilling (DTH).

Applications

- Geotechnical investigation
- Mining exploration
- Geothermal
- Waterwells
- Dynamic Sampling Rotary Follow-on

Features

- Made in the EU
- Rotary drilling
- Reliable strong rods with longer production life
- Friction welding form a stronger joint
- DTH drilling
- N80, S135, Grade E for the tube
- 42CrMo4 quenched & tempered joint
- Tool joints on each end

Popular Stock Sizes

Diameter (mm)	Wall Thickness (mm)	Thread	TPI
70	4	NWY	4
76	4	NWY	4
76	6.3	NWY	4
76	4	2 $\frac{3}{8}$ Reg	5
70	6.3	2 $\frac{3}{8}$ API Reg	5
76	8	2 $\frac{3}{8}$ API Reg	5
90	4	2 $\frac{3}{8}$ API IF/HWY	4
90	6.3	2 $\frac{3}{8}$ API IF/HWY	4
90	8	2 $\frac{3}{8}$ API IF/HWY	4
101	6.3	2 $\frac{7}{8}$ API Reg	4
101	8.8	2 $\frac{7}{8}$ API Reg	4
114	5	3 $\frac{1}{2}$ API Reg	4
114	6.3	3 $\frac{1}{2}$ API Reg	4
114	8.8	3 $\frac{1}{2}$ API Reg	4



Friction Welded Rotary Drill Rods

1500mm length - Weight (kg)					
Diameter (mm)	Thread	WT 4mm	WT 6.3mm	WT 8mm	WT 8.8mm
70	NWY	13	-	-	-
76	2 $\frac{3}{8}$ API Reg	17	22	25	-
90	2 $\frac{3}{8}$ API Reg	21	27	31	-
90	2 $\frac{3}{8}$ API IF/HWY	21	27	31	-
101	2 $\frac{7}{8}$ API Reg	-	30	-	37
114	3 $\frac{1}{2}$ API Reg	35	39	-	47

3000mm length - Weight (kg)					
Diameter (mm)	Thread	WT 4mm	WT 6.3mm	WT 8mm	WT 8.8mm
70	NWY	22	-	-	-
76	2 $\frac{3}{8}$ API Reg	27	38	44	-
90	2 $\frac{3}{8}$ API Reg	33	45	53	-
90	2 $\frac{3}{8}$ API IF/HWY	21	27	31	-
101	2 $\frac{7}{8}$ API Reg	-	52	66	-
114	3 $\frac{1}{2}$ API Reg	54	67.3	-	80

Other sizes and dimensions available