



# Tungsten Alloy

## Wireline Stem

T&D Materials is an OEM manufacturer and supplier of **heavy tungsten alloy** filled wireline stems.

**Tungsten Filled Stem Bars** are used instead of **conventional stems** or **lead filled stems** when additional weight is required without changing overall length of stem (**tungsten alloy adding weight**). The bar consists of a top sub with fishneck and pin thread, a tube which carries the tungsten weight inserts and a bottom sub with a box connection. An insulated brass conductor core runs through the length of the stem bar, terminating at the required end connections.

Our **Tungsten Stem Bars** are available in various sizes and lengths.

Our high-density tungsten is 17.50 g/c.c minimum. It is much denser than stainless steel (7.80), lead material (11.40) or even tungsten carbide (14.50). We can supply ground finished tungsten cylinders with very tight tolerance on diameter and length. We list the diameters as follows. The length of tungsten cylinder is from 2.00" to 20".

Besides tungsten cylinders, we also supply finished **tungsten wireline stem** according to your drawings. We use 316 type of stainless steel tubes. We offer different wall thickness of our type 316 stainless steel tube to meet your requirement. We do threading, welding and machining on these tubes. All kinds of connection ways are available.

The length of wireline stem is 3', 5' and 7'.

The length of our tungsten alloy is from 2" to 20".

The outside tungsten diameter is from 5/8" dia to 5.0" dia, Ground Finished.