



ENGLISH

Datasheet

Phosphor Bronze Rod

RS Stock number [110-040](#)



Description:

Phosphor bronze: An alloy of copper with 3.5 to 10% of tin and a significant phosphorus content of up to 1%. The phosphorus is added as a deoxidizing agent during melting. These alloys are notable for their toughness, strength, low coefficient of friction and fine grain. The phosphorus also improves the fluidity of the molten metal and thereby improves the castability and improves mechanical properties by cleaning up the grain boundaries.

Applications:

Springs, bolts, switch components, masonry fixings & various other items used in situations where resistance to fatigue, wear and chemical corrosion are required e.g. ship's propellers in a marine environment.

Specifications:

Form:	Rod
Length:	13 in.
Material:	Phosphor Bronze
Outer Diameter:	5/8 in.