

Kennametal Stellite Tribaloy® T-400C Cobalt Alloy

Categories: [Metal](#); [Nonferrous Metal](#); [Cobalt Alloy](#); [Superalloy](#)

Material Notes: Kennametal Stellite's™ cobalt base alloys are available as cobalt rods, cobalt electrodes, cobalt wire and cobalt powder.

The Tribaloy family of cobalt alloys feature a hard inter-metallic Laves phase, dispersed in a tough matrix of eutectic or solid solution. They exhibit outstanding resistance to high temperature wear, galling and corrosion and are particularly suitable for use where lubrication is a problem.

Information provided by Kennametal Stellite™

Vendors: [Click here to view all available suppliers for this material.](#)

Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	51 - 57	51 - 57	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.080 %	<= 0.080 %	
Chromium, Cr	14 %	14 %	
Cobalt, Co	>= 52.32 %	>= 52.32 %	as balance
Iron, Fe	<= 1.5 %	<= 1.5 %	
Molybdenum, Mo	27 %	27 %	
Nickel, Ni	<= 1.5 %	<= 1.5 %	
Other	<= 1.0 %	<= 1.0 %	
Silicon, Si	2.6 %	2.6 %	

Descriptive Properties

Application Technique	PTA & laser deposition
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