

Kennametal Stellite Tribaloy® T-401 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	45 - 50	45 - 50	

Component Elements Properties	Metric	English	Comments
Carbon, C	0.20 %	0.20 %	
Chromium, Cr	17 %	17 %	
Cobalt, Co	>= 55.5 %	>= 55.5 %	as balance
Iron, Fe	<= 1.5 %	<= 1.5 %	
Molybdenum, Mo	22 %	22 %	
Nickel, Ni	<= 1.5 %	<= 1.5 %	
Other	<= 1.0 %	<= 1.0 %	
Silicon, Si	1.3 %	1.3 %	

Descriptive Properties

Application Technique	PTA & laser deposition
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