

## Kennametal Stellite Stoody<sup>®</sup> 3 Cobalt-Base Cast Alloy

Category : Metal , Nonferrous Metal , Cobalt Alloy , Superalloy

### Material Notes:

Stood<sup>®</sup> 3 is a high carbon, chromium, tungsten cobalt-base centrifugally cast alloy designed to be non-magnetic in the as-cast and stress relieved conditions. This alloy exhibits improved wear and corrosion resistance, but has less impact and thermal shock resistance than Stood 1. It is used in applications where a non-magnetic version of Stood is 1 is required and also - as long as some caution is taken towards its slightly low impact strength properties, where additional abrasion resistance is desirable. Stood 3 can be manufactured to conform to Military specification MIL-C-15345F, Alloy 22, and MIL-C-24248 (ships), Composition IV. Recommended for steel mill guide rolls, bearing bushings, tube forming rolls, rotary seal rings, can and barrel seaming rolls and wear pads. Information provided by Deloro Stellite Inc. Product of former Deloro Stellite Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Kennametal-Stellite-Stoody-3-Cobalt-Base-Cast-Alloy.php](http://www.lookpolymers.com/polymer_Kennametal-Stellite-Stoody-3-Cobalt-Base-Cast-Alloy.php)

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell C	54 - 58	54 - 58	

Component Elements Properties	Metric	English	Comments
Carbon, C	2.2 %	2.2 %	
Chromium, Cr	31 %	31 %	
Cobalt, Co	50 %	50 %	As remainder
Iron, Fe	1.0 %	1.0 %	
Nickel, Ni	1.0 %	1.0 %	
Other	1.5 %	1.5 %	
Silicon, Si	1.0 %	1.0 %	
Tungsten, W	12.5 %	12.5 %	

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