Castle 1018

Wrought Low Carbon Steel A. M. Castle & Co.

Technical Data

Product Description				
A general purpose low carbon steel	with good case hardening qualities	. Especially suited to	cold forming, bendin	g and welding operations.
General				
Material Status	 Commercial: Active 			
Literature ¹	Technical Datasheet (English)			
Availability	Asia Pacific	 Europe 	٠	North America
Metals General				
Forms Available	Bar-FlatsBar-Hexagons	Bar-RoundsBar-Squares		
Metal TypeCold Worked	 Steel - Wrought - Low Carl 	bon		
Metals Type Analysis	Nominal Value (English)		Nominal Value (SI)	
Type Analysis				
Carbon	0.150 to 0.200 %		0.150 to 0.200 %	
Manganese	0.600 to 0.900 %		0.600 to 0.900 %	
Phosphorus	< 0.0400 %		< 0.0400 %	
Sulfur	< 0.0500 %		< 0.0500 %	
Metals Mechanical	Nominal Value (English)		Nominal Value (SI)	
Tensile Strength (Ultimate)	65.0 ksi		448 MPa	
Tensile Strength (Yield), 0.2%	45.0 to 55.0 ksi		310 to 379 MPa	
Tensile Elongation (Break)	16.0 to 36.0 %		16.0 to 36.0 %	
Reduction of Area	40 to 58 %	, D	40 to 58 %	

Notes

¹ These links provide you with access to supplier literature. We work hard to keep them up to date; however you may find the most current literature from the supplier.

² Typical properties: these are not to be construed as specifications.



1 of 1

UL and the UL logo are trademarks of UL LLC @ 2018. All Rights Reserved. UL Prospector | 800-788-4668 or 307-742-9227 | www.ulprospector.com.

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.