

## Niagara LaSalle 1215 Cold Finished Steel Bar

Category : Metal , Ferrous Metal , Carbon Steel , AISI 1000 Series Steel

### Material Notes:

The A.I.S.I. grade 1215 has essentially eliminated a number of similar free machining grades, such as 1212. Both 1215 and 1213 machine considerably faster than 1212 and provide good surface finish and brazing properties. These steels are difficult to weld and are not recommended for case hardening. They are generally used where mechanical properties can be sacrificed for machinability. Information provided by Niagra LaSalle Corporation

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Niagara-LaSalle-1215-Cold-Finished-Steel-Bar.php](http://www.lookpolymers.com/polymer_Niagara-LaSalle-1215-Cold-Finished-Steel-Bar.php)

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	167	167	
Tensile Strength	538 MPa	78000 psi	
Tensile Strength, Yield	414 MPa	60000 psi	
Elongation at Break	>= 10 %	>= 10 %	2"
Reduction of Area	35 %	35 %	

Component Elements Properties	Metric	English	Comments
Carbon, C	<= 0.090 %	<= 0.090 %	
Iron, Fe	98.42 - 98.95 %	98.42 - 98.95 %	as balance
Manganese, Mn	0.75 - 1.05 %	0.75 - 1.05 %	
Phosphorous, P	0.040 - 0.090 %	0.040 - 0.090 %	
Sulfur, S	0.26 - 0.35 %	0.26 - 0.35 %	

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