

## Niagara LaSalle e.t.d.® 150® Cold Finished Steel Bar

Category : Metal , Ferrous Metal , Alloy Steel , AISI 4000 Series Steel

**Material Notes:**

e.t.d.® 150® is produced from AISI medium carbon 4100 series alloy steel. The heats to be used for e.t.d. 150® are controlled to contain nitrogen in quantities normally associated with steel produced by the electric furnace process. Only one additive, such as tellurium, selenium, or sulfur is also added to improve machinability. Like Fatigue-Proof®, it is another Niagara LaSalle high strength material made by the elevated temperature drawing process. It eliminates heat treating and secondary operations such as straightening, finish grinding, cleaning, and inspections. e.t.d.® 150® can be roll threaded, knurled and plated. Suitable for induction hardening, e.t.d.® 150® is also electromagnetically tested using eddy currents and pretested for machinability through Niagara LaSalle's unique testing procedure. Information provided by Niagra LaSalle Corporation

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Niagara-LaSalle-etd-150-Cold-Finished-Steel-Bar.php](http://www.lookpolymers.com/polymer_Niagara-LaSalle-etd-150-Cold-Finished-Steel-Bar.php)

Mechanical Properties	Metric	English	Comments
Hardness, Brinell	>= 302	>= 302	
Hardness, Rockwell C	>= 32	>= 32	
Tensile Strength	1030 MPa	150000 psi	
Tensile Strength, Yield	896 MPa	130000 psi	0.2% offset
Elongation at Break	>= 10 %	>= 10 %	mean
Reduction of Area	37 %	37 %	mean

Component Elements Properties	Metric	English	Comments
Carbon, C	>= 0.40 %	>= 0.40 %	
Chromium, Cr	0.80 - 1.2 %	0.80 - 1.2 %	
Iron, Fe	97.1 - 97.8 %	97.1 - 97.8 %	as balance
Manganese, Mn	0.70 - 1.1 %	0.70 - 1.1 %	
Molybdenum, Mo	0.15 - 0.25 %	0.15 - 0.25 %	
Silicon, Si	0.15 - 0.35 %	0.15 - 0.35 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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