

MEPNN Supplier Scouting Opportunity Synopsis

Section 1: General Information

Scouting Number	2025-356
Item to be Scouted	Small D2 Hot-Rolled Bar Stock
Days to be scouted	30
Response Due By	10/31/2025
Description	D2 Tool Steel is unique for it's special qualities for reduced wear in high-speed applications.

Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	Re-shore
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Hot-rolled bar stock is made by heating steel billets or blooms in a furnace, then passing them through a series of rollers to reduce their thickness and form them into the desired bar shape. After rolling, the bars are allowed to cool, and they may be cut to length and further processed before shipment.
Provide dimensions / size / tolerances / performance specifications for the item	D2 Hot Rolled Bars 0.787 (+.039/+.110) x 1.575 (+.079/+.159) x 96-168; Approximately 5,527 Inches / Metric Ton
List required materials needed to make the product, including materials of product components	D2 tool steel is primarily composed of iron and carbon, with high percentages of alloying elements such as chromium (11-13%), which provides wear and corrosion resistance, and carbon (1.4-1.6%), for hardness and strength. Other key elements include molybdenum for wear resistance and hardenability, and vanadium for toughness and further wear resistance due to the formation of hard carbides.. Other minor elements like manganese, silicon, phosphorus, and sulfur are also present in smaller quantities
Are there applicable certification requirements?	No
Are there applicable regulations?	No
Are there any other standards, requirements, etc.?	No
Additional Technical Comments	

Section 4: Business Information

Estimated potential business volume	10-15 metric tons annually
Estimated target price / unit cost information (if unavailable explain)	\$2.00 per lb.
When is it needed by?	6-8 Months
Describe packaging requirements	1 metric ton bundles
Where will this item be shipped?	Rockford, IL

Additional Comments

Is there other information you would like to include?	
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