

# Nu-Steel™ Shot and Grit Can Save You Money... AND Perform.

NOTE THIS IS SAME TYPE MATERIAL THAT WAS CALLED SEMI STEEL. IT IS SIMPLY DECARBURIZED IRON SHOT THAT TOOK CARBON LEVEL BELOW 1.1% HENCE THE NAME IT SEMI STEEL

## Ideal for Your Blast Cleaning Operation

If you're:

- using steel at standard RC 40-50 hardness, Nu-Steel's lower price can reduce your cleaning costs.
- wasting your dollars on higher-priced abrasives because of persistent leakage and drag out losses, Nu-Steel is your economical solution.
- cleaning with malleable or annealed iron, Nu-Steel has increased cycle life for greater cost savings.

## What Nu-Steel is

Because of our advanced, cost-efficient manufacturing techniques, you receive a cost-effective abrasive.

Starting out as chilled iron shot, Nu-Steel carries through the well-formed, spherical and dense characteristics of chilled iron. Solid state decarburization of the shot provides the toughness and durability of hypereutectoid steel with

- Typical hardness: 39 RC
- Typical Composition:

|    |       |
|----|-------|
| C  | 1.10% |
| S  | .11%  |
| P  | .08%  |
| Si | 1.10% |
| Mn | .50%  |

Nu-Steel is certainly not annealed or malleable iron. Decarburization makes the difference — drastically increased life!

## Proven Performance

Nu-Steel is not new. It's been manufactured by our special process for two decades, and accepted by satisfied customers for just as many years because of its cost-effective, high quality performance in successful blast cleaning of castings, forgings and weldments, and in descaling steel mill and heat-treated products.

## Long Cycle Life

Nu-Steel lasts as long, cleans as fast and is as effective as many of the more expensive abrasives in numerous applications. For example, S-550 Nu-Steel shot has steel-like durability in the 2350-2850 cycle range. It will outlive annealed or malleable iron up to 40-50%.

With excellent original size retention, Nu-Steel provides the necessary impact for superior surface cleaning.

## Precise Size Control

We control the size of Nu-Steel to S.A.E. specification J-444 through exact, automated screening and separating. That means you receive the precise size for the necessary impact to meet your cleaning and finishing needs.

Nu-Steel spherical shot is available in the standard sizes of S-780 to S-170. For better initial cutting action, angular and dense Nu-Steel grit is the answer, in sizes G-10 to G-50. Nu-Steel grit shows hardness in the mid-30 range.

Perhaps you're starting up new equipment, or want to improve coverage for more effective cleaning. We can suggest blends or mixtures to meet your needs.

## Quick, On-Time Delivery

With Park-Ohio, you're never caught holding an empty bag. In addition to our Steel Abrasives manufacturing facility in Hamilton, Ohio, we maintain warehousing and shipping points in key U.S. locations.

## Objective, Knowledgeable Help

We're not in the equipment business. We're in the metal abrasives business, and have been for nearly 70 years. So, our Metal Abrasives Specialists can go right to the finish. They can help you select the right abrasive, the right hardness, and the right size for your job. They can also analyze your operation to make sure the work mix has the correct balance for efficient and effective cleaning, and that all contaminants are being removed.

## With Nu-Steel Abrasives, You Can Rely On...

- Major Cost Savings
- Excellent Durability
- 20 Years of Proven Performance
- Low Maintenance
- Superior Consistent Quality
- The Precise Size to S.A.E. J-444
- Quick Response, On-Time Delivery
- Objective, Knowledgeable Help

## For the Widest Choice in Metal Abrasives, It's Park-Ohio Metal Abrasive Division.

Steel Abrasives, Inc.  
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Hamilton, Ohio 45014  
(513) 874-9380

**From Park-Ohio**

the country's only  
full line manufacturer  
of metal abrasives

# NU-STEEL™ SHOT AND GRIT

**The Cost-Effective Abrasives  
You Can Rely On For**

- Major Dollar Savings
- Fast, Thorough Blast Cleaning
- Excellent Life

