

A-A-1041A
 April 28, 1986
SUPERSEDING
 A-A-1041
 July 3, 1980

COMMERCIAL ITEM DESCRIPTION

STEEL GRIT

The General Services Administration, has authorized the use of this commercial item description in preference to Military Specification MIL-S-851C, type I.

This commercial item description covers hardened cast steel grit for use in blast cleaning equipment for general blasting or peening purposes.

Salient characteristics:

1. Grit sizes shall be 14, 16, 18, 25, 40, 50, 80, 120, or as specified.
2. The grit shall be in accordance with the Society of Automotive Engineers (SAE) Standard J444.
3. The grit shall be of the following chemical composition:
 - Carbon - 1.20% Max.
 - Silicon - 1.50% Max.
 - Manganese - 1.20% Max.
 - Phosphorus - 0.05% Max.
 - Sulfur - 0.05% Max.
4. The grit shall be tested in accordance with SAE Standard J445a and exhibit durability as measured by SAE Standard J445a, using either the Average Life Cycle method or Complete Breakdown method. Grit tested by the Average Life Cycle method shall give a minimum of 1250 cycles; grit tested by the Complete Breakdown method shall typically be as shown in Table I.

TABLE I, Complete Breakdown Method

Grit Size	Durability Cycles	Take-out Screen
G-14	2400	40 mesh
G-16	2400	40 mesh
G-18	2400	40 mesh
G-25	2600	50 mesh
G-40	2600	50 mesh
G-50	2600	70 mesh

Workmanship. The grit shall be free from defective and foreign material that will affect its serviceability. Non-magnetic contamination shall be less than 0.5 percent by volume. Grease, oil, and moisture contamination shall be less than 0.5 percent by weight.

The issues of SAE Standards J444 and J445a in effect on the date of the solicitation shall be used to determine compliance with these requirements.

Preservation, packaging, packing, labeling, and marking. The preservation, packaging, packing, labeling, and marking, shall be as specified in the contract or order.

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Notes.

Purchaser should specify grit size.

SAE Standards are available from the Society of Automotive Engineers, Inc., 400 Commonwealth Drive, Warrendale, PA 15906.

When this commercial item description is used for procurement, the commercial item certification clause must appear in the solicitation.

The NSN's are as follows:

Grit size	NSN
25	5350-00-271-5986
40	5350-00-230-3223
80	5350-00-107-1284

MILITARY INTEREST:

Military Coordinating Activity:

Army - MR

Review Activity:

PREPARING ACTIVITY:

GSA - FSS