



SURFACE VEHICLE RECOMMENDED PRACTICE

J1072™

DEC2017

Issued 1974-01
Revised 1977-02
Stabilized 2017-12

Superseding J1072 FEB1977

Sintered Tool Materials

RATIONALE

The technical report covers technology, products, or processes which are mature and not likely to change in the foreseeable future.

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Foreword—This Document has also changed to comply with the new SAE Technical Standards Board Format.

1. **Scope**—This SAE Recommended Practice covers the identification and classification of ceramic, sintered carbide, and other cermet tool products.

Its purpose is to provide a standard method for designating the characteristics and properties of sintered tool materials.

2. **References**

- 2.1 **Applicable Publications**—The following publications form a part of the specification to the extent specified herein. Unless otherwise indicated the latest revision of SAE publications shall apply.

- 2.1.1 SAE PUBLICATIONS—Available from SAE, 400 Commonwealth Drive, Warrendale, PA 15096-0001.

SAE J439—Sintered Carbide Tools

- 2.1.2 ASTM PUBLICATIONS—Available from ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

ASTM B 406—Test Method for Transverse Rupture Strength of Cemented Carbides

3. **Description**—The method is a typical letter-number "line call out" system which consists of two parts:

1. Basic Classification—which identifies the type of sintered tool product.
2. Suffix Requirements—which provide quantitative values for the properties or characteristics of a specific material.

NOTE—Only pertinent properties or characteristics should be included. Alpha-numeric combinations which describe commercially unavailable products must be avoided.