

Submitted for recognition as an American National Standard

**(R) HOLE SPACING FOR SCRAPER AND DOZER CUTTING EDGES**

**Foreword**—This document *has also changed* to comply with the SAE Technical Standards Board format.

**1. Scope**—This standard is intended for cutting edge sections used on:

- a. Tractor-scrappers as described in SAE J1057 and J728.
- b. Dozers as described in SAE J729. These cutting edges are further defined in SAE J738 for cross section and SAE J740 and J1580 for hole conformation.

NOTE—Some inch dimensions in this standard are not equivalent to the corresponding millimeter figures because values which are widely used have been adapted.

**1.1 Purpose**—This standard specifies hole placement along with length and width of the cutting edge.

**2. References**

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

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

- SAE J728—Component Nomenclature—Scrapers
- SAE J729—Nomenclature and Specification Definition—Dozers
- SAE J738—Cutting Edge—Double Bevel Cross Sections
- SAE J740—Countersunk Metric Holes for Cutting Edges and End Bits
- SAE J1057—Identification Terminology of Earthmoving Machines
- SAE J1580—Countersunk Metric Holes for Cutting Edges and End Bits

**3. Tolerances and Dimensions For Hole Locations**—(See Figure 1)

- 3.1** Each countersink and/or counterbore shall be located within a 3.2 mm (0.12 in) diameter true position circle, using both end holes as datum points to establish the datum line.
- 3.2** The end hole datum points which are located from one side of cutting edge (dimension "X" as required) shall be within  $\pm 3.2$  mm (0.12 in).

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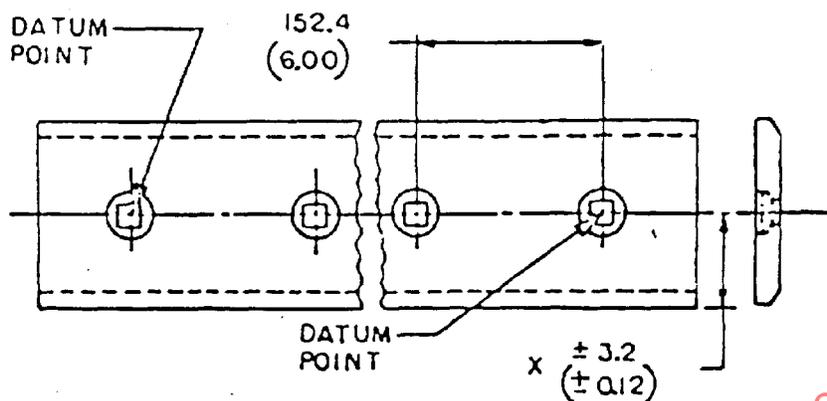


FIGURE 1—TOLERANCES AND DIMENSIONS FOR HOLE LOCATIONS

**3.3** Longitudinal hole spacing shall be 152.4 mm (6.00 in). Number of rows of holes is optional for scraper applications only.

**4. Notes**

**4.1 Marginal Indicia**—The change bar (I) located in the left margin is for the convenience of the user in locating areas where technical revisions have been made to the previous issue of the report. An (R) symbol to the left of the document title indicates a complete revision of the report.

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