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Superseding J737 AUG1989

Hole Spacing for Scraper and Dozer Cutting Edges

1. **Scope**—This standard is intended for cutting edge sections used on:
- Tractor-scrappers as described in SAE J1057 and J728.
 - 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.
- 1.2 **Rationale**—This document has been reaffirmed to comply with the SAE 5-Year Review policy.

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, Tel: 877-606-7323 (inside USA and Canada) or 724-776-4970 (outside USA), www.sae.org.

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 ± 3.2 mm (0.12 in).

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