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Superseding J957 JUN1993

Capacity Rating—Elevating Scrapers

This document is equivalent to ISO 6484-DEC92 except for the addition of SAE document references in Sections 1 and 2.

Foreword—This document has been replaced by J/ISO 6484.

1. Scope—This SAE Standard specifies a procedure for approximating the volume of a typical material carried in the bowl of an elevating scraper as defined in SAE J728 and SAE J1057. The volumes are based on the inside dimensions of the bowl and a representative volume on top of the bowl. This rating method is intended to provide a consistent means of comparing capacities; it is not intended to define actual capacities that might be observed in any specific application.

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 J728 JUL90—Component Nomenclature—Scrapers

SAE J1057 SEP88—Identification Terminology of Earthmoving Machines

2.1.2 ISO PUBLICATION—Available from ANSI, 25 West 43rd Street, New York, NY 10036-8002.

ISO 7133-1986—Earth-moving machinery—Tractor-scrappers—Terminology and commercial specifications

3. Definitions

3.1 Elevating Scraper—Scraper, as defined in ISO 7133, SAE J728, or SAE J1057, with a powered mechanism fixed to the scraper bowl to assist in loading material.

3.2 Elevating Scraper Components—Components as identified in Figures 1, 2, and 3.

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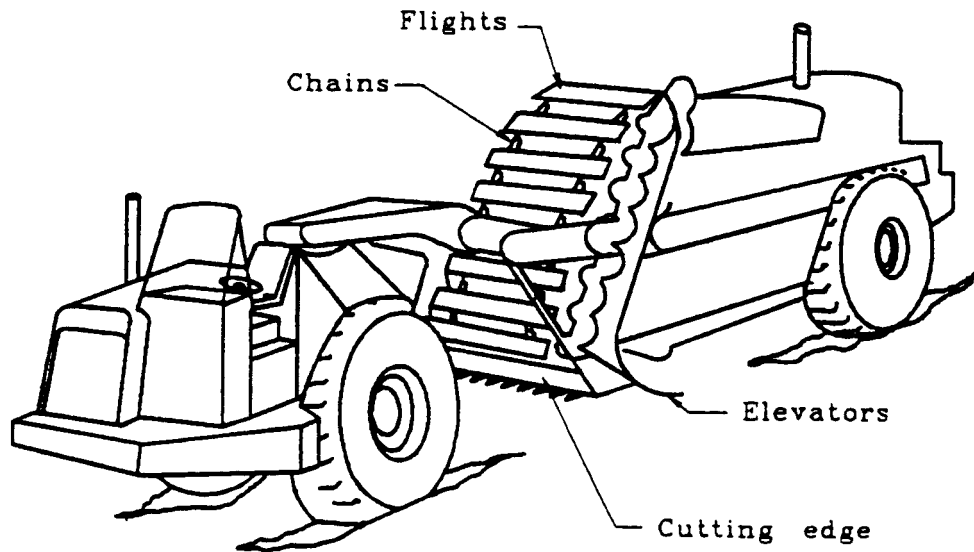


FIGURE 1—ELEVATING SCRAPER

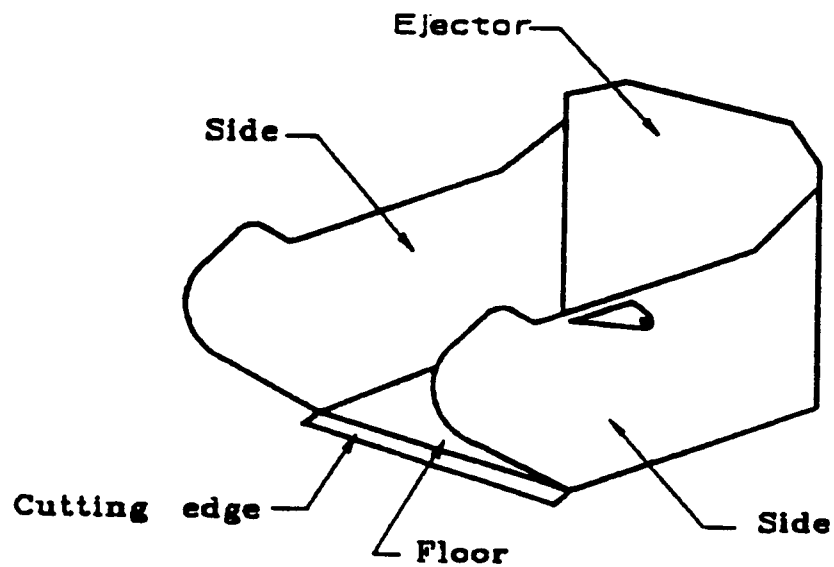


FIGURE 2—COMPONENTS OF A SCRAPER BOWL