INTERNATIONAL STANDARD ISO 4510

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Earth-moving machinery — Maintenance and adjustment tools

Engins de terrassement — Outils pour l'entretien et le réglage

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FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up has the right to be represented on that Committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 4510 was drawn up by Technical Committee ISO/TC 127, *Earth-moving machinery,* and was circulated to the Member Bodies in December 1975.

It has been approved by the Member Bodies of the following countries :

Austria	Italy	Sweden
Bulgaria	Japan	United Kingdom
Canada	Mexico	U.S.A.
Chile	Poland	U.S.S.R.
Czechoslovakia	Romania	Yugoslavia
France	South Africa, Rep. of	
Germany	Spain	

No Member Body expressed disapproval of the document.

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Earth-moving machinery — Maintenance and adjustment tools

1 SCOPE AND FIELD OF APPLICATION

This International Standard sets forth, for guidance, the hand tool groupings for operator use in performing routine adjustment and maintenance on earth-moving machinery. Manufacturers should choose suitable tools from table 1 for routine adjustment and maintenance.

2 REFERENCES

ISO 1085, *Combinations of double-ended wrench gaps.*

ISO 1703, *Assembly tools for screws and nuts — Nomenclature.*

ISO 2380, *Screwdriver blades for slotted head screws.*

ISO 2725, *Assembly tools for screws and nuts — Power and hand operated square drive sockets — Metric series.*

ISO 2936, *Assembly tools for screws and nuts — Hexagon socket screw keys — Metric series.*

ISO 3315, *Assembly tools for screws and nuts — Driving parts for hand-operated square drive socket wrenches — Torque testing.*

ISO 3316, *Assembly tools for screws and nuts — Attachments for hand-operated square drive socket wrenches — Torque testing.*

ISO 3318, *Assembly tools for screws and nuts — Open-end double-head engineers' wrenches, double-head box wrenches and combination wrenches — Maximum outside dimensions of heads.*

3 TYPES AND SIZES

The metric and inch sizes shown under "Nominal dimension" in table 1 are not intended to be equivalent, but represent actual dimensional sizes for adjustment tools to the metric and inch nomenclature.

4 APPLICATION OF HAND TOOL GROUPS

The annex of this International Standard sets forth, as a general guide, the application of the hand tool groups of table 1. It is intended primarily for the operator when performing the normal maintenance and routine adjustments on the machines when at the work site.