Australian Standard®

Hand torque tools

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PREFACE

This Standard was prepared by the Standards Australia Committee on Hand Tools.

In the preparation of this Standard, consideration was given to ISO 6789, *Assembly tools for screws and nuts—Hand torque tools—Requirements and test methods*, and acknowledgment is made of the assistance from that document.

CONTENTS

STANDARDS AUSTRALIA

Australian Standard

Hand torque tools

1 SCOPE This Standard specifies the requirements for hand torque tools for general use.

2 REFERENCED DOCUMENTS The documents below are referred to in this Standard:

AS
1192 Electroplated coatings—Nickel and chromium

1442 Carbon steels and carbon-manganese steels—Hot-rolled bars and semi-finished products

1443 Carbon steels and carbon-manganese steels—Cold-finished bars

1444 Wrought alloy steels—Standard and hardenability (H) series

1654 Limits and fits for engineering (Metric units)

3722 Assembly tools for bolts and screws—Hexagon drive ends for hand-operated and machine-operated screwdriver bits

3994 Socket wrenches—Dimensions of drive squares

ISO
6789 Assembly tools for screws and nuts—Hand torque tools—Requirements and test methods

3 DEFINITIONS For the purposes of this Standard, the definitions below apply.

3.1 Limiting torque tool—a setting torque tool which will not allow the application of a torque value greater than the preset value.

3.2 May—indicates the existence of an option.

3.3 Measuring torque tool—a torque tool which measures the changes of applied torque by means of a deflecting member.

3.4 Setting torque tool—a torque tool which is preset to indicate when the prescribed value of applied torque is reached.

3.5 Shall—indicates that a statement is mandatory.

3.6 Should—indicates a recommendation.

3.7 Torque tool—a tool which is used to apply torque to a threaded connection and indicates the torque applied.

4 CLASSIFICATION AND DESIGNATION Hand torque tools are classified by type and designation as follows:

(a) *Type I—Measuring torque tools*

(i) Class A—Wrench, torsion bar or flexion bar (see Figure 1).

(ii) Class B—Wrench, rigid housing, with scale or dial (see Figure 2).