

**ISO Standards Handbook:** 

## **Fasteners and screw threads**

Volume 1: Terminology and nomenclature, General reference standards 2001, Ed. 5, 808 p., ISBN 92-67-10344-X

# Contents

### Part 1 : Terminology and nomenclature

ISO 1891:1979	Bolts, screws, nuts and accessories - Terminology and nomenclature
ISO 5408:1983	Cylindrical screw threads — Vocabulary

## Part 2 : General reference standards

#### 2.1 ISO metric screw threads

100 00 4 4000	
ISO 68-1:1998	ISO general purpose screw threads — Part 1: Basic profile
ISO 261:1998	ISO general purpose metric screw threads — General plan
ISO 262:1998	ISO general purpose metric screw threads — Selected sizes for screws, bolts and nuts
ISO 724:1993	ISO general-purpose metric screw threads — Basic dimensions
ISO 965-1:1998	ISO general purpose metric screw threads — Tolerances — Part 1: Principles and basic data
ISO 965-2:1998	ISO general purpose metric screw threads — Tolerances — Part 2: Limits of sizes for general purpose external and internal screw threads — Medium quality
ISO 965-3:1998	ISO general purpose metric screw threads — Tolerances — Part 3: Deviations for constructional threads
ISO 965-4:1998	ISO general purpose metric screw threads — Tolerances — Part 4: Limits of sizes for hot-dip galvanized external screw threads to mate with internal screw threads tapped with tolerance position H or G after galvanizing
ISO 965-5:1998	ISO general purpose metric screw threads — Tolerances — Part 5: Limits of sizes for internal screw threads to mate with hot-dip galvanized external screw threads with maximum size of tolerance position h before galvanizing
ISO 1502:1996	ISO general-purpose metric screw threads — Gauges and gauging

#### 2.2 Technical drawings for screw threads and threaded parts

**ISO 5845-1:1995** Technical drawings — Simplified representation of the assembly of parts with fasteners — Part 1: General principles

ISO 6410-1:1993	Technical drawings — Screw threads and threaded parts — Part 1: General conventions
ISO 6410-2:1993	Technical drawings — Screw threads and threaded parts — Part 2: Screw thread inserts
ISO 6410-3:1993	Technical drawings — Screw threads and threaded parts — Part 3: Simplified representation

#### 2.3 Special screw threads

ISO 1478:1983 Tapping screws thread

#### 2.4 Variations of forms, dimensions and designation

ISO 225:1983	Fasteners — Bolts, screws, studs and nuts — Symbols and designations of dimensions
ISO 272:1982	Fasteners — Hexagon products — Widths across flats
ISO 273:1979	Fasteners — Clearance holes for bolts and screws
ISO 885:2000	General purpose bolts and screws — Metric series — Radii under the head
ISO 888:1976	Bolts, screws and studs — Nominal lengths, and thread lengths for general purpose bolts
ISO 3508:1976	Thread run-outs for fasteners with thread in accordance with ISO 261 and ISO 262
ISO 4753:1999	Fasteners — Ends of parts with external metric ISO thread
ISO 4755:1983	Fasteners — Thread undercuts for external metric ISO threads
ISO 4757:1983	Cross recesses for screws
ISO 7378:1983	Fasteners — Bolts, screws and studs — Split pin holes and wire holes
ISO 7721:1983	Countersunk head screws — Head configuration and gauging
ISO 7721-2:1990	Countersunk flat head screws — Part 2: Penetration depth of cross recesses
ISO 8991:1986	Designation system for fasteners
ISO 10664:1999	Hexalobular internal driving feature for bolts and screws

#### 2.5 Tolerances of fasteners

ISO 4759-1:2000	Tolerances for fasteners — Part 1: Bolts, screws, studs and nuts — Product grades A, B and C
ISO 4759-3:2000	Tolerances for fasteners — Part 3: Plain washers for bolts, screws and nuts — Product grades A and C

#### 2.6 General requirements and mechanical properties of fasteners

- ISO 898-1:1999 Mechanical properties of fasteners made of carbon steel and alloy steel Part 1: Bolts, screws and studs
- ISO 898-2:1992 Mechanical properties of fasteners Part 2: Nuts with specified proof load values Coarse thread

ISO 898-5:1998	Mechanical properties of fasteners made of carbon steel and alloy steel — Part 5: Set screws and similar threaded fasteners not under tensile stresses
ISO 898-6:1994	Mechanical properties of fasteners — Part 6: Nuts with specified proof load values — Fine pitch thread
ISO 898-7:1992	Mechanical properties of fasteners — Part 7: Torsional test and minimum torques for bolts and screws with nominal diameters 1 mm to 10 mm
ISO 2320:1997	Prevailing torque type steel hexagon nuts — Mechanical and performance properties
ISO 2702:1992	Heat-treated steel tapping screws — Mechanical properties
ISO 3506-1:1997	Mechanical properties of corrosion-resistant stainless-steel fasteners — Part 1: Bolts, screws and studs
ISO 3506-2:1997	Mechanical properties of corrosion-resistant stainless-steel fasteners — Part 2 : Nuts
ISO 3506-3:1997	Mechanical properties of corrosion-resistant stainless steel fasteners — Part 3: Set screws and similar fasteners not under tensile stress
ISO 4042:1999	Fasteners — Electroplated coatings
ISO 6157-1:1988	Fasteners — Surface discontinuities — Part 1: Bolts, screws and studs for general requirements
ISO 6157-2:1995	Fasteners — Surface discontinuities — Part 2: Nuts
ISO 6157-3:1988	Fasteners — Surface discontinuities — Part 3: Bolts, screws and studs for special requirements
ISO 7085:1999	Mechanical and performance requirements of case hardened and tempered metric thread rolling screws
ISO 8839:1986	Mechanical properties of fasteners — Bolts, screws, studs and nuts made of non-ferrous metals
ISO 8992:1986	Fasteners — General requirements for bolts, screws, studs and nuts
ISO 10666:1999	Drilling screws with tapping screw thread — Mechanical and functional properties
ISO 10683:2000	Fasteners — Non-electrolytically applied zinc flake coatings

## 2.7 Testing and acceptance inspection

ISO 3269:2000	Fasteners — Acceptance inspection
ISO 3800:1993	Threaded fasteners — Axial load fatigue testing — Test methods and evaluation of results
ISO 8749:1986	Pins and grooved pins — Shear test
ISO 10484:1997	Widening test on nuts
ISO 10485:1991	Cone proof load test on nuts
ISO 15330:1999	Fasteners — Preloading test for the detection of hydrogen embrittlement — Parallel bearing surface method