ETHIOPIAN STANDARDS

2020 CATALOGUE
How to use the catalogue

The main section of this catalogue is the list of Ethiopian Standards classified by subjects that provide optimum possibilities for selection of standards inter-related by subjects. The subject structure of the catalogue is based on the International Classification for Standards (ICS).

The index is arranged alphabetically in a single column down the page. Each title is allowed only one line for each keyword. Titles exceed more than one line are truncated. An asterisk (*) serves as an indication of the truncation.

Keywords are separated from their titles by a bullet symbol (•) with the exception of those cases where a title starts with the keyword. In order to save space, a number sign (#) replaces keywords in the title text. Each entry ends with the number of the page on which complete bibliographic information on the standard is given.

Schematic representation of Ethiopian Standards

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Description:

a: ICS field/group number
b: ICS field/group title
c: Abbreviation for Ethiopian Standards
d: Serial number of the Ethiopian Standards
e: Year of publication
f: Edition
g: Number of A4-size pages of the standards
h: Price group
i: Title of the standard
r*: Reaffirmation

* Information about reaffirmation appears written in bracket on the cover page and at the top of ever page in the text document. The year of reaffirmation is also attached with the designation in the bracket.

How to Obtain Ethiopian Standards
Ethiopian Standards may be obtained from the Head Office of the Ethiopian Standards Agency located in Bole Woreda, Kebele 12, Addis Ababa; Their selling price is as indicated in the Table below.

**Address**
P.O. Box: 2310, Addis Ababa
Telephone: (251-1) 6610111/6460685
Fax: (251-1) 6460880
E-mail: info@ethiostandards.org
Web site: www.ethiostandards.org

Price List for standards

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1) Price per page for Technical Reports, Amendments and Technical Corrigenda.
Abbreviations used in the catalogue
ES: Ethiopian Standards
ES ISO: Ethiopian Standards that are identical in content and structure with ISO standards
ES OIML: Ethiopian Standards that are identical in content and structure with OIML standards
ICS: International Classification of Standards
ESA: Ethiopian Standards Agency
ES IEC: International Electro-technical Commission standards that are identical in content and structure with IEC Standards

ESA in brief
Organization and Objectives
The Ethiopian Standards Agency (ESA) is the national standards body of Ethiopia established in 2010 based on regulation No. 193/2010. ESA is established due to the restructuring of Quality and Standards Authority of Ethiopia (QSAE) which was established in 1998.

ESA’s objectives are:

- Develop Ethiopian standards and establish a system that enable to check whether goods and services are in compliance with the required standards,
- Facilitate the country’s technology transfer through the use of standards,
- Develop national standards for local products and services so as to make them competitive in the international market.

Ethiopian Standards

The Ethiopian Standards are developed by national technical committees which are composed of different stakeholders consisting of educational Institutions, research institutes, government organizations, certification, inspection, and testing organizations, regulatory bodies, consumer association etc. The requirements and/or recommendations contained in Ethiopian Standards are consensus based that reflects the interest of the TC representatives and also of comments received from the public and other sources. Ethiopian Standards are approved by the National Standardization Council and are kept under continuous review after publication and updated regularly to take account of latest scientific and technological changes. Orders for all Ethiopian Standards, International Standards and ASTM standards, including electronic versions, should be addressed to the Documentation and Publication Team at the Head office and Branch (Liaisons) offices. A catalogue of Ethiopian Standards is also available freely and can be accessed from our website. ESA has the copyright of all its publications. No part of these publications may be reproduced in any form without the prior permission in writing of ESA. International Involvement

ESA, representing Ethiopia, is a member of the International Organization for Standardization (ISO), and Codex Alimentarius Commission (CODEX). It also maintains close working relations with the international Electro-technical Commission (IEC) and American Society for Testing and Materials (ASTM). It is a founding member of the African Regional Organization for standardization (ARSO).
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LEARNING SERVICES FOR NON-FORMAL EDUCATION AND TRAINING - BASIC REQUIREMENTS FOR SERVICE PROVIDERS

03.220.20  ROAD TRANSPORT

ES ISO 39001 : 2016  1 EDITION  37 P  PRICE CODE : R
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ES 2682 : 2005  1 EDITION  8 P  PRICE CODE : D
SUITABILITY OF NON-METALLIC PRODUCTS FOR USE IN CONTACT WITH WATER INTENDED FOR HUMAN CONSUMPTION WITH REGARD TO THEIR EFFECT ON THE QUALITY OF WATER

ES 1918 : 2005  1 EDITION  17 P  PRICE CODE : J
WATER QUALITY - MICROBIOLOGICAL METHODS. DETECTION AND ENUMERATION OF LEGIONELLA

ES ISO 6222 : 2015  2 EDITION  4 P  PRICE CODE : B
WATER QUALITY - ENUMERATION OF CULTURABLE MICRO-ORGANISMS - COLONY COUNT BY INOCULATION IN A NUTRIENT AGAR CULTURE MEDIUM

07.100.30  FOOD MICROBIOLOGY

ES ISO 18867 : 2016  1 EDITION  30 P  PRICE CODE : P
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Milk and milk products - Quality control in microbiological laboratories - Part 2: Determination of the reliability of colony counts of parallel plates and subsequent dilution steps

ES 1263 : 2005  
Food microbiology - Examination for specific organism - Clostridium botulinum

ES ISO 16649-1 : 2016  
Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of - positive Escherichia coli - particolony-count technique at 44°C using membranes and 5-bromo-4-chloro-3-indolyld-galactopyranoside

ES 848 : 2015  
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ES ISO 4832 : 2015  
Microbiology of food and animal feeding stuffs - Horizontal method for the enumeration of coliforms - Colony-count technique

ES ISO 22002-4 : 2016  
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**11.180.99** OTHER STANDARDS RELATED TO AIDS FOR DISABLED AND HANDICAPPED PEOPLE

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**13.020.10** ENVIRONMENTAL MANAGEMENT *INCLUDING ENVIRONMENTAL MANAGEMENT SYSTEMS (EMS), CERTIFICATION AND AUDIT

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ENVIRONMENTAL LABELS AND DECLARATIONS – TYPEI ENVIRONMENTAL LABELLING - PRINCIPLES AND PROCEDURES

ES ISO 14032 : 2012  1 EDITION  93 P  PRICE CODE : X
ENVIRONMENTAL MANAGEMENT-EXAMPLES OF ENVIRONMENTAL PERFORMANCE EVALUATION (EPE)

ES ISO 14063 : 2012  1 EDITION  28 P  PRICE CODE : N
ENVIRONMENTAL MANAGEMENT – ENVIRONMENTAL COMMUNICATION- GUIDELINES AND EXAMPLES

ES ISO 14050 : 2001  1 EDITION  9 P  PRICE CODE : E
ENVIRONMENTAL MANAGEMENT -- VOCABULARY

ES ISO 14040 : 2012  1 EDITION  25 P  PRICE CODE : M
ENVIRONMENTAL MANAGEMENT - LIFE CYCLE ASSESSMENT - PRINCIPLES AND FRAMEWORK

ES ISO 613 : 2013  1 EDITION  40 P  PRICE CODE : R
ENVIRONMENTAL MANAGEMENT –LIFE CYCLE ASSESSMENT – LCA DATA DOCUMENTATION FORMAT

ES ISO 14031 : 2018  2 EDITION  40 P  PRICE CODE : R
ENVIRONMENTAL MANAGEMENT-ENVIRONMENTAL PERFORMANCE EVALUATION-GUIDELINESS

ES ISO 14025 : 2012  1 EDITION  25 P  PRICE CODE : M
ENVIRONMENTAL LABELS AND DECLARATIONS - TYPE III ENVIRONMENTAL DECLARATIONS - PRINCIPLES AND PROCEDURES

ES ISO 14044 : 2012  1 EDITION  46 P  PRICE CODE : T
ENVIRONMENTAL MANAGEMENT - LIFE CYCLE ASSESSMENT - REQUIREMENTS AND GUIDELINES

ES ISO 14047 : 2018  2 EDITION  87 P  PRICE CODE : X
ENVIRONMENTAL MANAGEMENT -LIFE CYCLE ASSESSMENT - ILLUSTRATIVE EXAMPLES ON HOW TO APPLY ISO 14044 TO IMPACT ASSESSMENT SITUATIONS

ES ISO 14049 : 2012  1 EDITION  43 P  PRICE CODE : S
ENVIRONMENTAL MANAGEMENT- LIFE CYCLE ASSESSMENT EXAMPLES OF APPLICATION OF ISO 14041GOAL AND SCOPE DEFINITION AND INVENTORY ANALYSIS

13.020.40  POLLUTION, POLLUTION CONTROL AND CONSERVATION

ES ISO 14065 : 2012  1 EDITION  24 P  PRICE CODE : M
GREENHOUSE GASES- REQUIREMENTS FOR GREENHOUSE GAS VALIDATION AND VERIFICATION BODIES FOR USE IN ACCREDITATION OR OTHER FORMS OF RECOGNITION

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ES  1158 : 2005  1 EDITION  3  P  PRICE CODE : B
AIR QUALITY - DETERMINATION OF COBALT

ES  1159 : 2005  1 EDITION  9  P  PRICE CODE : E
AIR QUALITY - DETERMINATION OF CYANIDE

ES ISO  1146 : 2005  1 EDITION  6  P  PRICE CODE : C
AIR QUALITY - TOLERANCE LIMITS FOR WORKPLACE AIR CONTAMINANTS

ES  1175 : 2005  1 EDITION  5  P  PRICE CODE : C
AIR QUALITY - DETERMINATION OF ZINC OXIDE

ES  1156 : 2005  1 EDITION  3  P  PRICE CODE : B
AIR QUALITY DETERMINATION OF CARBON DIOXIDE

13.060.20  DRINKING WATER

ES  2677 : 2005  1 EDITION  10  P  PRICE CODE : E
SUITABILITY OF NON-METALLIC PRODUCTS FOR USE IN CONTACT WITH WATER INTENDED FOR HUMAN CONSUMPTION WITH REGARD TO THEIR EFFECT ON THE QUALITY OF WATER. METHODS OF TEST. SAMPLES FOR TESTING

ES  2678 : 2005  1 EDITION  6  P  PRICE CODE : C
SUITABILITY OF NON-METALLIC PRODUCTS FOR USE IN CONTACT WITH WATER INTENDED FOR HUMAN CONSUMPTION WITH REGARD TO THEIR EFFECT ON THE QUALITY OF WATER

ES  2679 : 2005  1 EDITION  6  P  PRICE CODE : C
SUITABILITY OF NON-METALLIC PRODUCTS FOR USE IN CONTACT WITH WATER INTENDED FOR HUMAN CONSUMPTION WITH REGARD TO THEIR EFFECT ON THE QUALITY OF WATER. METHODS OF TEST. APPEARANCE OF WATER
ES 2683 : 2005  
1 EDITION 14 P  
PRICE CODE : G  
SUITABILITY OF NON-METALLIC PRODUCTS FOR USE IN CONTACT WITH WATER INTENDED FOR HUMAN CONSUMPTION WITH REGARD TO THEIR EFFECT ON THE QUALITY OF WATER. METHODS OF TEST THE EXTRACTION OF METALS

ES 2684 : 2005  
1 EDITION 7 P  
PRICE CODE : D  
SUITABILITY OF NON-METALLIC PRODUCTS FOR USE IN CONTACT WITH WATER INTENDED FOR HUMAN CONSUMPTION WITH REGARD TO THEIR EFFECT ON THE QUALITY OF WATER METHODS OF TEST THE EXTRACTION OF METALS

ES 2685 : 2005  
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PRICE CODE : C  
SUITABILITY OF NON-METALLIC PRODUCTS FOR USE IN CONTACT WITH WATER INTENDED FOR HUMAN CONSUMPTION WITH REGARD TO THEIR EFFECT ON THE QUALITY OF THE WATER. HIGH TEMPERATURE TESTS

ES 2686 : 2005  
1 EDITION 17 P  
PRICE CODE : J  
SUITABILITY OF NON-METALLIC PRODUCTS FOR USE IN CONTACT WITH WATER INTENDED FOR HUMAN CONSUMPTION WITH REGARD TO THEIR EFFECT ON THE QUALITY OF THE WATER. METHOD FOR THE GCMS IDENTIFICATION OF WATER LEACHABLE ORGANIC SUBSTANCES

ES ISO 2707 : 2005  
1 EDITION 13 P  
PRICE CODE : G  
ASSESSMENT OF THE POTENTIAL FOR METALLIC MATERIALS TO AFFECT ADVERSELY THE QUALITY OF WATER INTENDED FOR HUMAN CONSUMPTION- SPECIFICATION

ES 2676 : 2005  
1 EDITION 10 P  
PRICE CODE : E  
SUITABILITY OF NON-METALLIC PRODUCTS FOR USE IN CONTACT WITH WATER INTENDED FOR HUMAN CONSUMPTION WITH REGARD TO THEIR EFFECT ON THE QUALITY OF WATER METHODS OF TEST SAMPLES FOR TESTING

13.060.30  
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ES 2608 : 2015 (R 2014)  
2 EDITION 13 P  
PRICE CODE : G  
WASTEWATER LIFTING PLANTS FOR BUILDINGS AND SITES PRINCIPLES OF CONSTRUCTION AND TESTING PART 4 NON RETURN VALVES FOR FAECAL FREE WASTEWATER AND WASTEWATER CONTAINING FAECAL MATTER

ES 1909 : 2005  
1 EDITION 15 P  
PRICE CODE : H  
WATER QUALITY SAMPLING. GUIDANCE ON SAMPLING OF WASTE WATERS

ES 2605 : 2015 (R 2014)  
2 EDITION 16 P  
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WASTEWATER LIFTING PLANTS FOR BUILDINGS AND SITES PRINCIPLES OF CONSTRUCTION AND TESTING PART 1 LIFTING PLANTS FOR WASTEWATER CONTAINING FAECAL MATTER

ES 2607 : 2015 (R 2014)  
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WASTEWATER LIFTING PLANTS FOR BUILDINGS AND SITES - PRINCIPLES OF CONSTRUCTION AND TESTING PART 3 LIFTING PLANTS FOR WASTEWATER CONTAINING FAECAL MATTER FOR LIMITED APPLICATIONS

ES 2638 : 2005 (R 2014)  
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**WASTEWATER TREATMENT PLANTS PART 10 SAFETY PRINCIPLES**

**WASTEWATER TREATMENT PLANTS PART 11 GENERAL DATA REQUIRED**

**CODE OF PRACTICE FOR DESIGN AND INSTALLATION OF SMALL SEWAGE TREATMENT WORKS AND CESSPOOLS**

**WASTEWATER LIFTING PLANTS FOR BUILDINGS AND SITES PRINCIPLES OF CONSTRUCTION AND TESTING PART 2 LIFTING PLANTS FOR FAECAL FREE WASTEWATER**

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**WATER QUALITY - SAMPLING. GUIDANCE ON QUALITY ASSURANCE OF ENVIRONMENTAL WATER SAMPLING AND HANDLING**

**WATER QUALITY SAMPLING. GUIDANCE ON PRESERVATION AND HANDLING OF SLUDGE AND SEDIMENT SAMPLES**

**WATER QUALITY - EXAMINATION AND DETERMINATION OF COLOUR**

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**WATER QUALITY PHYSICAL, CHEMICAL AND BIOCHEMICAL METHODS. DETERMINATION OF SODIUM AND POTASSIUM DETERMINATION OF SODIUM BY ATOMIC ABSORPTION SPECTROMETRY**

**WATER QUALITY PHYSICAL CHEMICAL AND BIOCHEMICAL METHODS. METHOD FOR THE DETERMINATION OF BORATE BY SPECTROMETRY USING AZOMETHINE-H**

**WATER QUALITY PHYSICAL, CHEMICAL AND BIOCHEMICAL METHODS. DETERMINATION OF CALCIUM CONTENT EDTA TITRIMETRIC METHOD**

**WATER QUALITY PHYSICAL, CHEMICAL AND BIOCHEMICAL METHODS. DETERMINATION OF THE SUM OF CALCIUM AND MAGNESIUM EDTA TITRIMETRIC METHOD**

**WATER QUALITY PHYSICAL, CHEMICAL AND BIOCHEMICAL METHODS. DETERMINATION OF SELENIUM BY ATOMIC ABSORPTION SPECTROMETRY**
ES 1900 : 2005  
1 EDITION 10 P  
PRICE CODE : E
WATER QUALITY PHYSICAL, CHEMICAL AND BIOCHEMICAL METHODS. METHOD FOR THE DETERMINATION OF CHLORIDE VIA A SILVER NITRATE TITRATION WITH CHROMATE INDICATOR (MOHR'S METHOD)

ES 1898 : 2005  
1 EDITION 12 P  
PRICE CODE : F
WATER QUALITY PHYSICAL, CHEMICAL AND BIOCHEMICAL METHODS. DETERMINATION OF FLUORIDE ELECTROCHEMICAL PROBE METHOD FOR POTABLE AND LIGHTLY POLLUTED WATER

ES 1895 : 2005  
1 EDITION 9 P  
PRICE CODE : E
WATER QUALITY PHYSICAL, CHEMICAL AND BIOCHEMICAL METHODS. DETERMINATION OF SODIUM AND POTASSIUM DETERMINATION OF SODIUM AND POTASSIUM BY FLAME EMISSION SPECTROMETRY

ES 1892 : 2005  
1 EDITION 16 P  
PRICE CODE : H
WATER QUALITY BIOLOGICAL METHODS DETERMINATION OF THE PROLONGED TOXICITY OF SUBSTANCES TO FRESHWATER FISH. METHOD FOR EVALUATING THE EFFECTS OF SUBSTANCES ON THE GROWTH RATE OF RAINBOW TROUT [ONCORHYNCHUS MYKISSL WALBAUM (TELEOSTEI, SALMONIDAE)]

ES 1891 : 2005  
1 EDITION 14 P  
PRICE CODE : G
WATER QUALITY PHYSICAL, CHEMICAL AND BIOCHEMICAL METHODS. DETERMINATION OF COBALT, NICKEL, COPPER, ZINC, CADMIUM AND LEAD FLAME ATOMIC ABSORPTION SPECTROMETRIC METHODS

ES 1886 : 2005  
1 EDITION 12 P  
PRICE CODE : F
WATER QUALITY PHYSICAL, CHEMICAL AND BIOCHEMICAL METHODS. DETERMINATION OF IRON 1, 10-PHENANTHROLINE PHOTOMETRIC METHOD

ES ISO 1884 : 2005  
1 EDITION 10 P  
PRICE CODE : E
WATER QUALITY PHYSICAL, CHEMICAL AND BIOCHEMICAL METHODS. DETERMINATION OF AMMONIUM MANUAL SPECTROMETRIC METHOD

ES ISO 1883 : 2005  
1 EDITION 14 P  
PRICE CODE : G
WATER QUALITY PHYSICAL, CHEMICAL AND BIOCHEMICAL METHODS. METHOD FOR DETERMINATION OF CYANOGEN CHLORIDE

ES ISO 1862 : 2005  
1 EDITION 16 P  
PRICE CODE : H
WATER QUALITY. PHYSICAL, CHEMICAL AND BIOCHEMICAL METHODS FOR THE DETERMINATION OF EASILY LIBERATABLE CYANIDE

ES 1902 : 2005  
1 EDITION 12 P  
PRICE CODE : F
WATER QUALITY PHYSICAL, CHEMICAL AND BIOCHEMICAL METHODS. METHOD FOR THE DETERMINATION OF NON-IONIC SURFACTANTS USING DRAGENDORFF REAGENT

ES 1885 : 2005  
1 EDITION 6 P  
PRICE CODE : C
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### 13.080.20 PHYSICAL PROPERTIES OF SOILS

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### 13.100 OCCUPATIONAL SAFETY. INDUSTRIAL HYGIENE

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MOULDED PLASTIC FOOTWEAR - LINED OR UNLINED POLYURETHANE BOOTS FOR GENERAL INDUSTRIAL USE – SPECIFICATION

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**1 EDITION** 13 P  
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2020 ETHIOPIAN STANDARDS CATALOGUE  ESA is Certified to ISO 9001:2015
**METHODS FOR MEASURING THE SKID RESISTANCE OF PAVEMENT SURFACES, TEST METHOD FOR MEASUREMENT OF SURFACE SKID RESISTANCE USING THE GRIPTESTER BRAKED WHEEL FIXED SLIP DEVICE**

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**17.040.99** OTHER STANDARDS RELATED TO LINEAR AND ANGULAR MEASUREMENTS

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**17.060** MEASUREMENT OF VOLUME, MASS, DENSITY, VISCOSITY

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<td>CUP HEAD SQUARE NECK BOLTS WITH SMALL HEAD AND SHORT NECK - PRODUCT GRADE B</td>
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<td>CROSS RECESSED RAISED COUNTERSUNK HEAD DRILLING SCREWS WITH TAPPING SCREW THREAD</td>
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<td>HEXAGON BOLTS WITH FLANGE WITH METRIC FINE PITCH THREAD - SMALL SERIES -PRODUCT GRADE A</td>
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ES ISO 15071 : 2015 2 EDITION 9 P PRICE CODE : E
HEXAGON BOLTS WITH FLANGE - SMALL SERIES - PRODUCT GRADE A

HEXALOBULAR SOCKET RAISED COUNTERSUNK (OVAL) HEAD TAPPING SCREWS

ES ISO 13918 : 2017 2 EDITION 21 P PRICE CODE : L
WELDING - STUDS AND CERAMIC FERRULES FOR ARC STUD WELDING

ES ISO 8678 : 2005 (R 2015) 1 EDITION 8 P PRICE CODE : D
CUP HEAD SQUARE NECK BOLTS WITH SMALL HEAD AND SHORT NECK – PRODUCT GRADE B

ES ISO 15481 : 2005 (R 2015) 1 EDITION 8 P PRICE CODE : D
CROSS RECESSED PAN HEAD DRILLING SCREWS WITH TAPPING SCREW THREAD

ES ISO 8991 : 2005 (R 2015) 1 EDITION 4 P PRICE CODE : B
DESIGNATION SYSTEM FOR FASTENERS

ES ISO 8839 : 2005 (R 2015) 1 EDITION 8 P PRICE CODE : D
MECHANICAL PROPERTIES OF FASTENERS – BOLTS, SCREWS, STUDS AND NUTS MADE OF NON-FERROUS METALS

ES ISO 14586 : 2015 2 EDITION 10 P PRICE CODE : E
HEXALOBULAR SOCKET COUNTERSUNK HEAD TAPPING SCREWS

ES ISO 14585 : 2015 2 EDITION 11 P PRICE CODE : F
HEXALOBULAR SOCKET PAN HEAD TAPPING SCREWS

ES ISO 8765 : 2015 1 EDITION 9 P PRICE CODE : E
HEXAGON HEAD BOLTS WITH METRIC FINE PITCH THREAD – PRODUCT GRADES A AND B

HEXALOBULAR SOCKET RAISED COUNTERSUNK HEAD SCREWS

ES ISO 8673 : 2015 2 EDITION 5 P PRICE CODE : C
HEXAGON NUTS, STYLE 1, WITH METRIC FINE PITCH THREAD - PRODUCT GRADES A AND B

ES ISO 8674 : 2015 2 EDITION 5 P PRICE CODE : C
HEXAGON NUTS, STYLE 2, WITH METRIC FINE PITCH THREAD - PRODUCT GRADES A AND B

ES ISO 1580 : 2015 2 EDITION 4 P PRICE CODE : B
SLOTTED PAN HEAD SCREWS - PRODUCT GRADE A

ES ISO 2702 : 2015 1 EDITION 5 P PRICE CODE : C
HEAT-TREATED STEEL TAPPING SCREWS - MECHANICAL PROPERTIES

ES ISO 14579 : 2015 2 EDITION 12 P PRICE CODE : F
HEXALOBULAR SOCKET HEAD CAP SCREWS
ES ISO 7378 : 2015 | 2 EDITION 4 P | PRICE CODE : B
FASTENERS - BOLTS, SCREWS AND STUDS - SPLIT PIN HOLES AND WIRE HOLES

HEXALOBULAR SOCKET CHEESE HEAD SCREWS

ES ISO 7379 : 2005 (R 2015) | 1 EDITION 8 P | PRICE CODE : D
HEXAGON SOCKET HEAD SHOULDER SCREWS

ES ISO 7380 : 2005 | 1 EDITION 10 P | PRICE CODE : E
HEXAGON SOCKET BUTTON HEAD SCREWS

ES ISO 7434 : 2005 | 1 EDITION 8 P | PRICE CODE : D
SLOTTED SET SCREWS WITH CONE POINT

ES ISO 7435 : 2005 (R 2015) | 1 EDITION 8 P | PRICE CODE : D
HEXAGON SOCKET SET SCREWS WITH DOG POINT

ES ISO 7436 : 2005 | 1 EDITION 8 P | PRICE CODE : D
SLOTTED SET SCREWS WITH CUP POINT

HEXALOBULAR SOCKET PAN HEAD SCREWS

ES ISO 225 : 2015 | 2 EDITION 29 P | PRICE CODE : N
FASTENERS – BOLTS, SCREWS, STUDS AND NUTS – SYMBOLS AND DESIGNATIONS OF DIMENSIONS

ES ISO 7721 : 2005 (R 2015) | 1 EDITION 8 P | PRICE CODE : D
COUNTERSUNK HEAD SCREWS – HEAD CONFIGURATION AND GAUGING

ES ISO 7047 : 2015 | 2 EDITION 8 P | PRICE CODE : D
COUNTERSUNK RAISED HEAD SCREWS (COMMON HEAD STYLE) WITH TYPE H OR TYPE Z CROSS RECESS - PRODUCT GRADE A

ES ISO 7053 : 2015 | 2 EDITION 4 P | PRICE CODE : B
HEXAGON WASHER HEAD TAPPING SCREWS

ES ISO 7051 : 2017 | 2 EDITION 4 P | PRICE CODE : B
CROSS RECESSED RAISED COUNTERSUNK (OVAL) HEAD TAPPING SCREWS

ES ISO 7050 : 2015 | 2 EDITION 4 P | PRICE CODE : B
CROSS RECESSED COUNTERSUNK (FLAT) HEAD TAPPING SCREWS (COMMON HEAD STYLE)

HEXAGON SOCKET HEAD CAP SCREWS

ES ISO 4766 : 2015 | 2 EDITION 8 P | PRICE CODE : D
SLOTTED SET SCREWS WITH FLAT POINT
ES ISO 15480 : 2005  
HEXAGON WASHER HEAD DRILLING SCREWS WITH TAPPING SCREW THREAD

ES ISO 7048 : 2015  
CROSS RECESSED CHEESE HEAD SCREWS

ES ISO 888 : 2017  
BOLTS, SCREWS AND STUDS - NOMINAL LENGTHS, AND THREAD LENGTHS FOR GENERAL PURPOSE BOLTS

ES ISO 898-1 : 2005 (R 2013)  
MECHANICAL PROPERTIES OF FASTENERS MADE OF CARBON STEEL AND ALLOY STEEL - PART 1 BOLTS, SCREWS AND STUDS

ES ISO 6157-1 : 2005  
FASTENERS - SURFACE DISCONTINUITIES - PART 1 BOLTS, SCREWS AND STUDS FOR GENERAL REQUIREMENTS

ES ISO 10825 : 2005  
GEARS - WEAR AND DAMAGE TO GEAR TEETH - TERMINOLOGY

ES ISO 7380-1 : 2018  
BUTTON HEAD SCREWS - PART 1 HEXAGON SOCKET BUTTON HEAD SCREWS

ES ISO 7046-1 : 2015  
COUNTERSUNK FLAT HEAD SCREWS (COMMON HEAD STYLE) WITH TYPE H OR TYPE Z CROSS RECESS - PRODUCT GRADE A - PART 1 STEEL OF PROPERTY CLASS 4.8

ES ISO 3506-1 : 2015  
MECHANICAL PROPERTIES OF CORROSION RESISTANT STAINLESS - STEEL FASTENERS - PART 1 BOLTS, SCREWS AND STUDS

ES ISO 3506-3 : 2015  
MECHANICAL PROPERTIES OF CORROSION-RESISTANT STAINLESS-STEEL FASTENERS PART 3 SET SCREWS AND SIMILAR FASTENERS NOT UNDER TENSILE STRESS

ES ISO 4759-1 : 2005 (R 2014)  
TOLERANCES FOR FASTENERS - PART 1 BOLTS, SCREWS, STUDS AND NUTS - PRODUCT GRADES A, B AND C

ES ISO 898-2 : 2018  
MECHANICAL PROPERTIES OF FASTENERS MADE OF CARBON STEEL AND ALLOY STEEL - PART 2 NUTS WITH SPECIFIED PROOF LOAD VALUES

ES ISO 7046-2 : 2015  
CROSS RECESSED COUNTERSUNK FLAT HEAD SCREWS (COMMON HEAD STYLE) - GRADE A - PART 2 STEEL OF PROPERTY CLASS 8.8, STAINLESS STEEL AND NON-FERROUS METALS

ES ISO 898-7 : 2005  
MECHANICAL PROPERTIES OF FASTENERS PART 7 TORSIONAL TEST AND MINIMUM TORQUES FOR BOLTS AND SCREWS WITH NOMINAL DIAMETERS 1 MM TO 10 MM
ES ISO 6157-3 : 2015  2 EDITION  13 P  PRICE CODE : G
FASTENERS - SURFACE DISCONTINUITIES - PART 3 BOLTS, SCREWS AND STUDS FOR SPECIAL REQUIREMENTS

DRILLING SCREWS WITH TAPPING SCREW THREAD – MECHANICAL AND FUNCTIONAL PROPERTIES

ES ISO 10642 : 2005 (R 2015)  1 EDITION  12 P  PRICE CODE : F
HEXAGON SOCKET COUNTERSUNK HEAD SCREWS

HEXALOBULAR INTERNAL DRIVING FEATURE FOR BOLTS AND SCREWS

ES ISO 7350-2 : 2005  1 EDITION  7 P  PRICE CODE : D
BUTTON HEAD SCREWS - PART 2 HEXAGON SOCKET BUTTON HEAD SCREWS WITH COLLAR

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21.060.20  NUTS

ES ISO 10485 : 2005  1 EDITION  8 P  PRICE CODE : D
CONE PROOF LOAD TEST ON NUTS

ES ISO 10513 : 2015  2 EDITION  3 P  PRICE CODE : B
PREVAILING TORQUE TYPE ALL-METAL HEXAGON NUTS, STYLE 2, WITH METRIC FINE PITCH THREAD - PROPERTY CLASSES 8, 10 AND 12

ES ISO 10511 : 2015 (R 2014)  2 EDITION  5 P  PRICE CODE : C
PREVAILING TORQUE TYPE HEXAGON THIN NUTS (WITH NON-METALLIC INSERT)

ES ISO 10512 : 2015  2 EDITION  3 P  PRICE CODE : B
PREVAILING TORQUE TYPE HEXAGON NUTS (WITH NON-METALLIC INSERT), STYLE 1, WITH METRIC FINE PITCH THREAD - PROPERTY CLASSES 6, 8 AND 10

ES ISO 7044 : 2015  2 EDITION  6 P  PRICE CODE : C
PREVAILING TORQUE TYPE ALL-METAL HEXAGON NUTS WITH FLANGE - PRODUCT GRADES A AND B

ES ISO 8675 : 2105  2 EDITION  5 P  PRICE CODE : C
HEXAGON THIN NUTS (CHAMFERED) WITH METRIC FINE PITCH THREAD - PRODUCT GRADES A AND B

ES ISO 21670 : 2015  2 EDITION  5 P  PRICE CODE : C
HEXAGON WELD NUTS WITH FLANGE

FASTENERS - GENERAL REQUIREMENTS FOR BOLTS, SCREWS, STUDS AND NUTS

ES ISO 7040 : 2015  2 EDITION  4 P  PRICE CODE : B
PREVAILING TORQUE TYPE HEXAGON NUTS (WITH NON-METALLIC INSERT), STYLE 1 -PROPERTY CLASSES 5, 8 AND 10
ES ISO 7041 : 2015  
2 EDITION 4 P  
PRICE CODE : B
PREVAILING TORQUE TYPE HEXAGON NUTS (WITH NON-METALLIC INSERT), STYLE 2 - PROPERTY CLASSES 9 AND 12

ES ISO 7043 : 2015  
2 EDITION 4 P  
PRICE CODE : B
PREVAILING TORQUE TYPE HEXAGON NUTS WITH FLANGE (WITH NON-METALLIC INSERT) - PRODUCT GRADES A AND B 8, 10 AND 12

ES ISO 3870 : 2008 (R 2014)  
1 EDITION 3 P  
PRICE CODE : B
CONVEYOR BELTS (FABRIC CARCASS), WITH LENGTH BETWEEN PULLEY CENTRES UP TO 300M, FOR LOOSE BULK MATERIALS - ADJUSTMENT OF TAKE-UP

1 EDITION 3 P  
PRICE CODE : B
WIDENING TEST ON NUTS

ES ISO 7042 : 2015  
2 EDITION 4 P  
PRICE CODE : B
PREVAILING TORQUE TYPE ALL-METAL HEXAGON NUTS, STYLE 2 - PROPERTY CLASSES 5, 8, 10 AND 12

7720 : 2015  
2 EDITION 4 P  
PRICE CODE : B
PREVAILING TORQUE TYPE ALL-METAL HEXAGON NUTS, STYLE 2 - PROPERTY CLASS 9

ES ISO 10663 : 2015  
2 EDITION 6 P  
PRICE CODE : C
HEXAGON NUTS WITH FLANGE - FINE PITCH THREAD

ES ISO 12126 : 2015  
2 EDITION 6 P  
PRICE CODE : C
PREVAILING TORQUE TYPE ALL METAL HEXAGON NUTS WITH FLANGE WITH METRIC FINE PITCH THREAD - PRODUCT GRADES A AND B

ES ISO 3506-2 : 2005 (R 2014)  
1 EDITION 15 P  
PRICE CODE : H
MECHANICAL PROPERTIES OF CORROSION-RESISTANT STAINLESS-STEEL FASTENERS - PART 2 NUTS

ES ISO 12125 : 2015  
2 EDITION 6 P  
PRICE CODE : C
PREVAILING TORQUE TYPE HEXAGON NUTS WITH FLANGE (WITH NON-METALLIC INSERT) WITH METRIC FINE PITCH THREAD - PRODUCT GRADES A AND B

1 EDITION 5 P  
PRICE CODE : C
FASTENERS - SURFACE DISCONTINUITIES - PART 2 NUTS

898-6 : 2005 (R 2014)  
1 EDITION 9 P  
PRICE CODE : E
MECHANICAL PROPERTIES OF FASTENERS MADE OF CARBON STEEL AND ALLOY STEEL - PART 6 NUTS WITH SPECIFIED PROOF LOAD VALUES – FINE PITCH THREAD

21.060.30  
WASHERS, LOCKING ELEMENTS

ES ISO 7089 : 2005 (R 2014)  
1 EDITION 5 P  
PRICE CODE : C
PLAIN WASHERS – NORMAL SERIES – PRODUCT GRADE A
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ES ISO 16583 : 2005 (R 2014)  
OPEN END BLIND RIVETS WITH BREAK PULL MANDREL AND COUNTERSUNK HEAD - CU/ST OR CU/BR OR CU/SST

ES ISO 15973 : 2005 (R 2014)  
CLOSED END BLIND RIVETS WITH BREAK PULL MANDREL AND PROTRUDING HEAD –ALA/ST

ES ISO 15974 : 2005 (R 2014)  
CLOSED END BLIND RIVETS WITH BREAK PULL MANDREL AND COUNTERSUNK HEAD - AIA/ST

ES ISO 15978 : 2005 (R 2014)  
OPEN END BLIND RIVETS WITH BREAK PULL MANDREL AND COUNTERSUNK HEAD - AIA/ST

ES ISO 15977 : 2005 (R 2014)  
OPEN END BLIND RIVETS WITH BREAK PULL MANDREL AND PROTRUDING HEAD - AIA/ST

ES ISO 8733 : 2005 (R 2017)  
PARALLEL PINS WITH INTERNAL THREAD OF UNHARDENED STEEL AND AUSTENITIC STAINLESS STEEL

PARALLEL PINS OF HARDENED STEEL AND MARTENSITIC STAINLESS STEEL (DOWEL PINS)

GROOVED PINS - HALF-LENGTH REVERSE TAPER GROOVED

PARALLEL PINS WITH INTERNAL THREAD, OF HARDENED STEEL AND MARTENSITIC STAINLESS STEEL

ES ISO 8751 : 2017  
SPRING - TYPE STRAIGHT PINS - COILED, LIGHT DUTY

ES ISO 8750 : 2017  
SPRING-TYPE STRAIGHT PINS - COILED, STANDARD DUTY

ES ISO 8749 : 2005 (R 2017)  
PINS AND GROOVED PINS - SHEAR TEST

ES ISO 8748 : 2005  
SPRING-TYPE STRAIGHT PINS - COILED, HEAVY DUTY

ES ISO 8747 : 2005 (R 2017)  
GROOVED PINS WITH COUNTERSUNK HEAD

GROOVED PINS WITH ROUND HEAD
ES ISO 8745 : 2005 (R 2017) 1 EDITION 6 P PRICE CODE : C
GROOVED PINS - HALF-LENGTH TAPER GROOVED

ES ISO 8742 : 2005 (R 2017) 1 EDITION 6 P PRICE CODE : C
GROOVED PINS - ONE-THIRD-LENGTH CENTRE GROOVED

ES ISO 8752 : 2017 2 EDITION 10 P PRICE CODE : E
SPRING-TYPE STRAIGHT PINS - SLOTTED, HEAVY DUTY

ES ISO 8739 : 2005 (R 2017) 1 EDITION 3 P PRICE CODE : B
GROOVED PINS - FULL-LENGTH PARALLEL GROOVED, WITH PILOT

ES ISO 13337 : 2017 2 EDITION 6 P PRICE CODE : C
SPRING-TYPE STRAIGHT PINS - SLOTTED, LIGHT DUTY

ES ISO 8740 : 2005 (R 2017) 1 EDITION 3 P PRICE CODE : B
GROOVED PINS - FULL-LENGTH PARALLEL GROOVED, WITH CHAMFER

ES ISO 8736 : 2005 (R 2017) 1 EDITION 3 P PRICE CODE : B
TAPER PINS WITH INTERNAL THREAD, UNHARDENED

ES ISO 8737 : 2005 (R 2017) 1 EDITION 3 P PRICE CODE : B
TAPER PINS WITH EXTERNAL THREAD, UNHARDENED

8740 : 2005 (R 2014) 1 EDITION 6 P PRICE CODE : C
GROOVED PINS – FULL-LENGTH TAPER GROOVED

21.100.10 PLAIN BEARINGS

ES ISO 12168-2 : 2007 (R 2017) 1 EDITION 18 P PRICE CODE : J
PLAIN BEARINGS - HYDROSTATIC PLAIN JOURNAL BEARINGS WITHOUT DRAINAGE GROOVES UNDER STEADY-STATE CONDITIONS - PART 2 CHARACTERISTIC VALUES FOR THE CALCULATION OF OIL-LUBRICATED PLAIN JOURNAL BEARINGS WITHOUT DRAINAGE GROOVES

ES ISO 2795 : 2007 (R 2014) 1 EDITION 12 P PRICE CODE : F
PLAIN BEARINGS - SINTERED BUSHES - DIMENSIONS AND TOLERANCES

ES ISO 12168-1 : 2007 (R 2017) 1 EDITION 38 P PRICE CODE : R
PLAIN BEARINGS - HYDROSTATIC PLAIN JOURNAL BEARINGS WITHOUT DRAINAGE GROOVES UNDER STEADY-STATE CONDITIONS - PART 1 CALCULATION OF OIL-LUBRICATED PLAIN JOURNAL BEARINGS WITHOUT DRAINAGE GROOVES

ES ISO 4383 : 2007 (R 2014) 1 EDITION 12 P PRICE CODE : F
PLAIN BEARINGS-MULTILAYER MATERIALS FOR THIN-WALLED PLAIN BEARINGS

ES ISO 3548 : 2007 1 EDITION 8 P PRICE CODE : D
PLAIN BEARINGS-THIN-WALLED HALF BEARINGS WITH OR WITHOUT FLANGE - TOLERANCES, DESIGN FEATURES AND METHODS OF TEST
ES ISO 12130-1 : 2007 (R 2017) 1 EDITION 30 P PRICE CODE : P
PLAIN BEARINGS - HYDRODYNAMIC PLAIN TILTING PAD THRUST BEARINGS UNDER STEADYSTATE CONDITIONS - PART 1 CALCULATION OF TILTING PAD THRUST BEARINGS

ES ISO 12129-1 : 2007 (R 2017) 1 EDITION 8 P PRICE CODE : D
PLAIN BEARINGS - PART 1 FITS

ES ISO 12131-2 : 2007 (R 2017) 1 EDITION 17 P PRICE CODE : J
PLAIN BEARINGS - HYDRODYNAMIC PLAIN THRUST PAD BEARINGS UNDER STEADY-STATE CONDITIONS PART 2 FUNCTIONS FOR THE CALCULATION OF THRUST PAD BEARINGS

ES 12129-2 : 2007 (R 2017) 1 EDITION 8 P PRICE CODE : D
PLAIN BEARINGS - PART 2 TOLERANCES ON FORM AND POSITION AND SURFACEROUGHNESS FOR SHAFTS, LANGES AND THRUST COLLARS

ES ISO 12167-1 : 2017 2 EDITION 33 P PRICE CODE : Q
PLAIN BEARINGS - HYDROSTATIC PLAIN JOURNAL BEARINGS WITH DRAINAGE GROOVES UNDER STEADY-STATE CONDITIONS - PART 1 CALCULATION OF OIL-LUBRICATED PLAIN JOURNAL BEARINGS WITH DRAINAGE GROOVES

ES ISO 12131-1 : 2007 (R 2017) 1 EDITION 30 P PRICE CODE : P
PLAIN BEARINGS - HYDRODYNAMIC PLAIN THRUST PAD BEARINGS UNDER STEADY-STATE CONDITIONS PART 1 CALCULATION OF THRUST PAD BEARINGS

ES ISO 4379 : 2007 (R 2014) 1 EDITION 12 P PRICE CODE : F
PLAIN BEARINGS - COPPER ALLOY BUSHES

ES ISO 12167-2 : 2007 (R 2017) 1 EDITION 14 P PRICE CODE : G
PLAIN BEARINGS - HYDROSTATIC PLAIN JOURNAL BEARINGS WITH DRAINAGE GROOVES UNDER STEADY-STATE CONDITIONS -PART 2 CHARACTERISTIC VALUES FOR THE CALCULATION OF OIL-LUBRICATED PLAIN JOURNAL BEARINGS WITH DRAINAGE GROOVES

ES ISO 4385 : 2007 (R 2014) 1 EDITION 4 P PRICE CODE : B
PLAIN BEARINGS - COMPRESSION TESTING OF METALLIC BEARING MATERIALS

ES ISO 12240-1 : 2007 (R 2017) 1 EDITION 18 P PRICE CODE : J
SPHERICAL PLAIN BEARINGS - PART 1 RADIAL SPHERICAL PLAIN BEARINGS

ES ISO 12240-2 : 2007 (R 2017) 1 EDITION 8 P PRICE CODE : D
SPHERICAL PLAIN BEARINGS - PART 2 ANGULAR CONTACT RADIAL SPHERICAL PLAIN BEARINGS

ES ISO 12240-3 : 2007 (R 2017) 1 EDITION 8 P PRICE CODE : D
SPHERICAL PLAIN BEARINGS - PART 3 THRUST SPHERICAL PLAIN BEARINGS

ES ISO 4386-2 : 2007 2 EDITION 5 P PRICE CODE : C
PLAIN BEARINGS - METALLIC MULTILAYER PLAIN BEARINGS - PART 2 DESTRUCTIVETESTING OF BOND FOR BEARING METAL LAYER THICKNESSES > 2 MM

ES ISO 4384-1 : 2007 (R 2014) 1 EDITION 8 P PRICE CODE : D
PLAIN BEARINGS - HARDNESS TESTING OF BEARING METALS - PART 1 COMPOUND MATERIALS

2020 ETHIOPIAN STANDARDS CATALOGUE ESA is Certified to ISO 9001:2015
ES ISO 4382-2 : 2007 (R 2014) 1 EDITION 8 P PRICE CODE : D
PLAIN BEARINGS - COPPER ALLOYS - PART 2 WROUGHT TOPPER ALLOYS FOR SOLID PLAIN BEARINGS

ES ISO 4384-2 : 2007 1 EDITION 4 P PRICE CODE : B
PLAIN BEARINGS - HARDNESS TESTING OF BEARING METALS-PART 1 COMPOUND MATERIALS

ES ISO 4386-3 : 2007 (R 2014) 1 EDITION 8 P PRICE CODE : D
PLAIN BEARINGS - METALLIC MULTILAYER PLAIN BEARINGS - PART 3 NON-DESTRUCTIVE PENETRANT TESTING

ES ISO 4378-3 : 2007 1 EDITION 28 P PRICE CODE : N
PLAIN BEARINGS - TERMS, DEFINITIONS AND CLASSIFICATION - PART 2 FRICTION AND WEAR

ES ISO 3547-2 : 2007 (R 2014) 1 EDITION 8 P PRICE CODE : D
DIAMETER

PLAIN BEARINGS- WRAPPED BUSHES PART 3 LUBRICATION HOLES, LUBRICATIONGROOVES AND LUBRICATION INDENTATIONS

ES ISO 3547-4 : 2007 (R 2014) 1 EDITION 8 P PRICE CODE : D
PLAIN BEARINGS- WRAPPED BUSHES - PART 4 MATERIALS

PLAIN BEARINGS- WRAPPED BUSHES - PART 6 CHECKING THE INSIDE DIAMETER

ES ISO 3547-7 : 2007 (R 2014) 1 EDITION 9 P PRICE CODE : E
PLAIN BEARINGS- WRAPPED BUSHES - PART 7 MEASUREMENT OF WALL THICKNESS OF THIN-WALED BUSHES

ES ISO 3547-1 : 2013 (R 2014) 1 EDITION 10 P PRICE CODE : E
PLAIN BEARINGS- WRAPPED BUSHES - PART 1 DIMENSIONS

ES ISO 12307-2 : 2007 1 EDITION 14 P PRICE CODE : G
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ES ISO 7902-3 : 2007 1 EDITION 8 P PRICE CODE : D
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ES ISO 4378-1 : 2007 1 EDITION 58 P PRICE CODE : U
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ES ISO 12132 : 2007 (R 2017)  
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ES ISO 12302 : 2017  
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ES ISO 12303 : 2005 (R 2017)  
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ES ISO 12306 : 2007  
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ES ISO 3228 : 2007  
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ES ISO 9628 : 2007  
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ES ISO 3030 : 2007  
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ES ISO 104 : 2007  1 EDITION  20 P  PRICE CODE :  K
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ES ISO 8826-1 : 2007  1 EDITION  8 P  PRICE CODE :  D
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ES ISO 1224-1 : 2007 (R 2013)  1 EDITION  8 P  PRICE CODE :  D
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ES ISO 12357-1 : 2017  
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ES ISO 11555-1 : 2017  
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21.120.40 BALANCING AND BALANCING MACHINES

ES ISO 14694 : 2007  
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**21.220.10 BELT DRIVES AND THEIR COMPONENTS**

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<td>ISO 23.040.01: Pipe Components - Definition of Nominal Pressure</td>
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<td>ES ISO 13951:</td>
<td>ISO 23.040.01: Plastics Piping System – Test Method for the Resistance of Polyolefin Pipe/ Pipe or Pipe/Fitting Assemblies to Tensile Loading</td>
<td>1</td>
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<td>ES 2657 :</td>
<td>ISO 23.040.01: Plastics Piping Systems with Structured-Wall Pipes for Soil and Waste Discharge (Low and High Temperature) Inside Buildings-Unplasticized Poly (Vinyl Chloride) (PVC-U) - Part 1 Specifications for Pipes and the System</td>
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<td>ES 2659 :</td>
<td>ISO 23.040.01: Plastics Piping Systems for Soil and Waste Discharge (Low and High Temperature) Within the Building Structure Chlorinated Poly (Vinyl Chloride) (PVC-C) Part 1 Specifications for Pipes, Fittings and the System</td>
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<td>ES ISO 15493:</td>
<td>ISO 23.040.01: Plastics Piping Systems for Industrial Applications AcrylonitrileButadieneStyrene (ABS), Unplasticized Poly (Vinyl Chloride) (PVC-U) and Chlorinated Poly (Vinyl Chloride) (PVC-C) - Specifications for Components and the System Metric Series</td>
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PLASTICS PIPING SYSTEMS FOR NON PRESSURE UNDERGROUND DRAINAGE AND SEWERAGE UNPLASTICIZED POLY (VINYL CHLORIDE) (PVCU) PART 1 SPECIFICATIONS FOR PIPES, FITTINGS AND THE SYSTEM

ES ISO 10465-1 : 2015 2 EDITION 14 P PRICE CODE : G UNDERGROUND INSTALLATION OF FLEXIBLE GLASS-REINFORCED THERMOSETTING RESIN (GRP) PIPES - PART 1 INSTALLATION PROCEDURES


ES ISO 4483 : 2005 1 EDITION 14 P PRICE CODE : G ASBESTOS-CEMENT PIPELINES FIELD PRESSURE TESTING


ES ISO 10804 : 2012 1 EDITION 5 P PRICE CODE : C RESTRAINED JOINT SYSTEMS FOR DUCTILE IRON PIPELINES - DESIGN RULES AND TYPE TESTING

ES ISO 10803 : 2015 2 EDITION 31 P PRICE CODE : P DESIGN METHOD FOR DUCTILE IRON PIPE

ES ISO 22391-5 : 2015 2 EDITION 12 P PRICE CODE : F PLASTICS PIPING SYSTEMS FOR HOT AND COLD WATER INSTALLATIONS - POLYETHYLENE OF RAISED TEMPERATURE RESISTANCE (PE-RT) - PART 5 FITNESS FOR PURPOSE OF THE SYSTEM


IRON AND STEEL PIPES

ES ISO 13470 : 2017 2 EDITION 23 P PRICE CODE : L TRENCHLESS APPLICATIONS OF DUCTILE IRON PIPELINES SYSTEMS - PRODUCT DESIGN AND INSTALLATION


ES 2879 : 2006 (R 2014) 1 EDITION 25 P PRICE CODE : M SPECIFICATION FOR CORRUGATED STAINLESS STEEL SEMI-RIGID PIPE AND ASSOCIATED FITTINGS FOR LOW-PRESSURE GAS PIPE WORK OF UP TO DN 50
ES ISO 10893-3 : 2012 (R 2015)  
1 EDITION 11 P
PRICE CODE : F
NON-DESTRUCTIVE TESTING OF STEEL TUBES - PART 3 AUTOMATED FULL PERIPHERAL FLUX
LEAKAGE TESTING OF SEAMLESS AND WELDED (EXCEPT SUBMERGED ARC-WELDED) 
ERROMAGNETIC STEEL TUBES FOR THE DETECTION OF LONGITUDINAL AND/OR TRANSVERSE 
IMPERFECTIONS

ES ISO 3306 : 2006 (R 2015)  
1 EDITION 11 P
PRICE CODE : F
PLAIN END AS-WELDED AND Sized PRECISION STEEL TUBES - TECHNICAL CONDITIONS FOR DELIVERY

1 EDITION 11 P
PRICE CODE : F
PLAIN END WELDED PRECISION STEEL TUBES - TECHNICAL CONDITIONS FOR DELIVERY

ES 2625 : 2005  
1 EDITION 17 P
PRICE CODE : J
WELDED STAINLESS STEEL TUBES FOR THE CONVEYANCE OF AQUEOUS LIQUIDS INCLUDING WATER FOR HUMAN CONSUMPTION TECHNICAL DELIVERY CONDITIONS

ES ISO 3304 : 2005 (R 2015)  
1 EDITION 10 P
PRICE CODE : E
PLAIN END SEAMLESS PRECISION STEEL TUBES - TECHNICAL CONDITIONS FOR DELIVERY

ES ISO 10893-9 : 2012  
1 EDITION 17 P
PRICE CODE : J
NON-DESTRUCTIVE TESTING OF STEEL TUBES - PART 9 AUTOMATED ULTRASONIC TESTING 
FOR THE DETECTION OF LAMINAR IMPERFECTIONS IN STRIP/PLATE USED FOR THE MANUFACTURE OF WELDED STEEL TUBES

ES ISO 10893-6 : 2012  
1 EDITION 17 P
PRICE CODE : J
NON-DESTRUCTIVE TESTING OF STEEL TUBES - PART 6 RADIOGRAPHIC TESTING OF THE WELD SEAM OF WELDED STEEL TUBES FOR THE DETECTION OF IMPERFECTIONS

ES ISO 10893-1 : 2012  
1 EDITION 11 P
PRICE CODE : F
NON-DESTRUCTIVE TESTING OF STEEL TUBES - PART 11 AUTOMATED ULTRASONIC TESTING OF THE WELD SEAM OF WELDED STEEL TUBES FOR THE DETECTION OF LONGITUDINAL AND/OR TRANSVERSE IMPERFECTIONS

8180 : 2015 (R 2015)  
2 EDITION 2 P
PRICE CODE : A
DUCTILE IRON PIPES - POLYETHYLENE SLEEVING

4200 : 2006 (R 2015)  
1 EDITION 7 P
PRICE CODE : D
PLAIN END STEEL TUBES, WELDED AND SEAMLESS - GENERAL TABLES OF DIMENSIONS AND MASSES PER UNIT LENGTH

ES ISO 5256 : 2006 (R 2015)  
1 EDITION 54 P
PRICE CODE : U
STEEL PIPES AND FITTINGS FOR BURIED OR SUBMERGED PIPELINES - EXTERNAL AND INTERNAL COATING BY BITUMEN OR COAL TAR DERIVED MATERIALS

ES ISO 10893-8 : 2012  
1 EDITION 17 P
PRICE CODE : J
NON-DESTRUCTIVE TESTING OF STEEL TUBES - PART 8 AUTOMATED ULTRASONIC TESTING OF SEAMLESS AND WELDED STEEL TUBES FOR THE DETECTION OF LAMINAR IMPERFECTIONS

1 EDITION 4 P
PRICE CODE : B
STEEL TUBES - TOLERANCE SYSTEMS
ES ISO 7598 : 2006 1 EDITION 4 P PRICE CODE : B
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WELDED STEEL TUBES FOR PRESSURE PURPOSES - TECHNICAL DELIVERY CONDITIONS - PART 1
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ES ISO 9329-1 : 2006 1 EDITION 8 P PRICE CODE : D
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SEAMLESS STEEL TUBES FOR PRESSURE PURPOSES - TECHNICAL DELIVERY CONDITIONS - PART 3
UNALLOYED AND ALLOYED STEELS WITH SPECIFIED LOW TEMPERATURE PROPERTIES

ES ISO 9329-4 : 2006 (R 2015) 1 EDITION 26 P PRICE CODE : M
SEAMLESS STEEL TUBES FOR PRESSURE PURPOSES - TECHNICAL DELIVERY CONDITIONS - PART 4
AUSTENITIC STAINLESS STEELS

ES ISO 9330-6 : 2006 1 EDITION 27 P PRICE CODE : N
WELDED STEEL TUBES FOR PRESSURE PURPOSES - TECHNICAL DELIVERY CONDITIONS PART 6
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ES ISO 8179-1 : 2005 (R 2015) 1 EDITION 4 P PRICE CODE : B
DUCTILE IRON PIPES - EXTERNAL ZINC-BASED COATING - PART 1 METALLIC ZINC WITH FINISHING LAYER

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WELDED STEEL TUBES FOR PRESSURE PURPOSES - TECHNICAL DELIVERY CONDITIONS - PART 4
SUBMERGED ARC-WELDED UNALLOYED AND ALLOYED STEEL TUBES WITH SPECIFIED ELEVATED TEMPERATURE PROPERTIES

ES ISO 9330-5 : 2006 (R 2015) 1 EDITION 22 P PRICE CODE : L
WELDED STEEL TUBES FOR PRESSURE PURPOSES - TECHNICAL DELIVERY CONDITIONS - PART 5
SUBMERGED ARC-WELDED UNALLOYED AND ALLOYED STEEL TUBES WITH SPECIFIED LOW TEMPERATURE PROPERTIES
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**ES ISO 8179-2** : 2005 (R 2015)  
**PRICE CODE : **A  
**EDITION : **1

### NON-FERROUS METAL PIPES

**ES ISO 6207** : 2006 (R 2015)  
**PRICE CODE : **F  
**EDITION : **11

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**ES ISO 7245** : 2005 (R 2014)  
**PRICE CODE : **B  
**EDITION : **3

**ES ISO 7671** : 2005 (R 2014)  
**PRICE CODE : **M  
**EDITION : **25

**ES 2665** : 2005  
**PRICE CODE : **K  
**EDITION : **19

**ES ISO 13477** : 2015  
**PRICE CODE : **F  
**EDITION : **11

**ES ISO 13478** : 2015  
**PRICE CODE : **F  
**EDITION : **9

**ES ISO 13479** : 2015  
**PRICE CODE : **E  
**EDITION : **2

**ES ISO 13478** : 2015  
**PRICE CODE : **F  
**EDITION : **11

**ES ISO 11922-1** : 2005 (R 2014)  
**PRICE CODE : **G  
**EDITION : **13
ES ISO 9852 : 2015 2 EDITION 4 P PRICE CODE : B
UNPLASTICIZED POLY (VINYL CHLORIDE) (PVC-U) PIPES – DICHLOROMETHANE RESISTANCE AT SPECIFIED TEMPERATURE (DCMT) – TEST METHOD

ES ISO 10467 : 2015 2 EDITION 84 P PRICE CODE : X
PLASTICS PIPING SYSTEMS FOR PRESSURE AND NON-PRESSURE DRAINAGE AND SEWERAGE - GLASS-REINFORCED THERMOSETTING PLASTICS (GRP) SYSTEMS BASED ON UNSATURATED POLYESTER (UP) RESIN

ES ISO 7246 : 2005 (R 2014) 1 EDITION 3 P PRICE CODE : B
PIPES AND FITTINGS OF ACRYLONITRILE/ STYRENE/ACRYLESTER (ASA) – GENERALSEPICATION FOR MOLDING AND EXTRUSION MATERIALS

ES 2564 : 2005 1 EDITION 6 P PRICE CODE : C
PLASTICS PIPING AND DUCTING SYSTEMS - POLYOLEFIN PIPES AND FITTINGS DETERMINATION OF OXIDATION INDUCTION TIME

ES 2567 : 2005 1 EDITION 4 P PRICE CODE : B
PLASTICS PIPING AND DUCTING SYSTEMS PIPES AND FITTINGS OF UNPLASTICIZED POLY (VINYL CHLORIDE) (PVC-U) SPECIMEN PREPARATION FOR DETERMINATION OF THE VISCOSITY NUMBER AND CALCULATION OF THE K-VALUE

ES 2569 : 2005 1 EDITION 10 P PRICE CODE : E
PLASTICS PIPING AND DUCTING SYSTEMS THERMOPLASTICS PIPES DETERMINATION OF RESISTANCE TO EXTERNAL BLOWS BY THE STAIRCASE METHOD

ES 2565 : 2005 1 EDITION 5 P PRICE CODE : C
PLASTICS PIPING AND DUCTING SYSTEMS THERMOPLASTICS PIPES AND FITTINGSDETERMINATION OF VICAT SOFTENING TEMPERATURE (VST)

PLASTICS PIPING SYSTEMS FOR NON-PRESSURE UNDERGROUND DRAINAGE AND SEWERAGE - POLYETHYLENE (PE)

ES ISO 8773 : 2015 2 EDITION 22 P PRICE CODE : L
PLASTICS PIPING SYSTEMS FOR NON-PRESSURE UNDERGROUND DRAINAGE AND SEWERAGE - POLYPROPYLENE (PP)

ES ISO 9080 : 2015 1 EDITION 23 P PRICE CODE : L
PLASTICS PIPING AND DUCTING SYSTEMS - DETERMINATION OF THE LONG - TERMHYDROSTATIC STRENGTH OF THERMOPLASTICS MATERIALS IN PIPE FORM BYEXTRAPOLATION

ES ISO 2308 : 2006 1 EDITION 20 P PRICE CODE : K
PLASTICS PIPING SYSTEMS FOR RENOVATION OF UNDERGROUND NON-PRESSURE DRAINAGE AND SEWERAGE NETWORKS -PART 3 LINING WITH CLOSE FIT PIPES

ES ISO 2505 : 2005 (R 2013) 1 EDITION 8 P PRICE CODE : D
THERMOPLASTICS PIPES - LONITUDINAL REVERSION - PART 2 DETERMINATION METHODS

ES 2604 : 2005 1 EDITION 12 P PRICE CODE : F
BLACK POLYETHYLENE PIPES UP TO NOMINAL SIZE 63 FOR ABOVE GROUND USE FOR COLD POTABLE WATER
ES 2570 : 2005  1 EDITION  4 P  PRICE CODE : B
PLASTICS PIPING SYSTEMS UNPLASTICIZED POLY (VINYL CHLORIDE) (PVC-U) PIPES, FITTINGS AND MATERIAL) METHOD FOR ASSESSMENT OF THE PVC CONTENT BASED ON TOTAL CHLORINE CONTENT

ES 2636 : 2005  1 EDITION  11 P  PRICE CODE : F
BLUE POLYETHYLENE PIPES UP TO NOMINAL SIZE 63 FOR BELOW GROUND USE FOR POTABLE WATER

ES ISO 1452-1 : 2005 (R 2013)  1 EDITION  5 P  PRICE CODE : C
PLASTICS PIPING SYSTEMS FOR WATER SUPPLY AND FOR BURIED AND ABOVE-GROUND DRAINAGE AND SEWERAGE UNDER PRESSURE - UNPLASTICIZED POLY (VINYL CHLORIDE) (PVC-U) - PART 1 GENERAL

ES ISO 14531-3 : 2016  1 EDITION  20 P  PRICE CODE : K
PLASTICS PIPES AND FITTINGS - CROSSLINKED POLYETHYLENE (PE-X) PIPE SYSTEMS FOR THE CONVEYANCE OF GASEOUS FUELS - METRIC SERIES - SPECIFICATIONS - PART 3: FITTINGS FOR MECHANICAL JOINTING

ES ISO 1452-5 : 2007 (R 2013)  1 EDITION  16 P  PRICE CODE : H
PLASTICS PIPING SYSTEMS FOR WATER SUPPLY AND FOR BURIED AND ABOVE-GROUND DRAINAGE AND SEWERAGE UNDER PRESSURE - UNPLASTICIZED POLY (VINYL CHLORIDE) (PVC-U) - PART 5 FITNESS FOR PURPOSE OF THE SYSTEM

ES ISO 1452-4 : 2007 (R 2013)  1 EDITION  16 P  PRICE CODE : H
PLASTICS PIPING SYSTEMS FOR WATER SUPPLY AND FOR BURIED AND ABOVE-GROUND DRAINAGE AND SEWERAGE UNDER PRESSURE - UNPLASTICIZED POLY (VINYL CHLORIDE) (PVC-U) - PART 4 VALVES

ES ISO 21307 : 2015  1 EDITION  16 P  PRICE CODE : H
PLASTICS PIPES AND FITTINGS - BUTT FUSION JOINTING PROCEDURES FOR POLYETHYLENE (PE) PIPES AND FITTINGS USED IN THE CONSTRUCTION OF GAS AND WATER DISTRIBUTION SYSTEMS

ES ISO 1452-3 : 2015  2 EDITION  41 P  PRICE CODE : S
PLASTICS PIPING SYSTEMS FOR WATER SUPPLY AND FOR BURIED AND ABOVE-GROUND DRAINAGE AND SEWERAGE UNDER PRESSURE - UNPLASTICIZED POLY(VINYL CHLORIDE) (PVC-U) - PART 3 FITTINGS

ES 2658 : 2005  1 EDITION  31 P  PRICE CODE : P
PLASTICS PIPING SYSTEMS FOR SOIL AND WASTE DISCHARGE (LOW AND HIGH TEMPERATURE) WITHIN THE BUILDING STRUCTURE POLYETHYLENE (PE) PART 1 SPECIFICATIONS FOR PIPES, FITTINGS AND THE SYSTEM

PLASTICS PIPING SYSTEMS FOR WATER SUPPLY AND FOR BURIED AND ABOVE-GROUND DRAINAGE AND SEWERAGE UNDER PRESSURE - UNPLASTICIZED POLY (VINYL CHLORIDE) (PVC-U) - PART 2 PIPES

ES 1222 : 2005  1 EDITION  7 P  PRICE CODE : D
PIPES OF RIGID PVC (RIGID POLYVINYL CHLORIDE) - DIMENSIONS
ES 2725 : 2005 1 EDITION 18 P  PRICE CODE : J
PLASTICS PIPING SYSTEMS FOR BURIED AND ABOVE-GROUND PRESSURE SYSTEMS FOR WATER FOR GENERAL PURPOSES, DRAINAGE AND SEWAGE POLYETHYLENE (PE) PART 2 PIPES

ES 1221 : 2005 1 EDITION 24 P  PRICE CODE : M
SPECIFICATION FOR UNPLASTICIZED POLYVINYL CHLORIDE (PVC-U) PRESSURE PIPES FOR COLD POTABLE WATER

ES ISO 14531-4 : 2016 1 EDITION 68 P  PRICE CODE : V
PLASTICS PIPING SYSTEMS FOR NON-PRESSURE DRAINAGE AND SEWAGE - POLYESTER RESIN CONCRETE (PRC) - PART 1: PIPES AND FITTINGS WITH FLEXIBLE JOINTS

ES ISO 7024 : 2005 1 EDITION 37 P  PRICE CODE : R
ABOVE GROUND DRAINAGE – RECOMMENDED PRACTICE AND TECHNIQUES FOR THE INSTALLATION OF UNPLASTICIZED POLYVINYL CHLORIDE (PVC-U) SANITARY PIPE WORK FOR ABOVE-GROUND SYSTEMS INSIDE BUILDINGS

ES ISO 3127 : 2005 (R 2014) 1 EDITION 11 P  PRICE CODE : F
THERMOPLASTICS PIPES – DETERMINATION OF RESISTANCE TO EXTERNAL BLOWS –ROUND – THE CLOCK METHOD

ES ISO 11296-1 : 2015 2 EDITION 18 P  PRICE CODE : J
PLASTICS PIPING SYSTEMS FOR RENOVATION OF UNDERGROUND NON-PRESSURE DRAINAGE AND SEWERAGE NETWORKS - PART 1 GENERAL

ES ISO 11296-3 : 2015 1 EDITION 24 P  PRICE CODE : M
PLASTICS PIPING SYSTEMS FOR RENOVATION OF UNDERGROUND NON-PRESSURE DRAINAGE AND SEWERAGE NETWORKS - PART 3 LINING WITH CLOSE-FIT PIPES

ES ISO 11296-4 : 2015 1 EDITION 37 P  PRICE CODE : R
PLASTICS PIPING SYSTEMS FOR RENOVATION OF UNDERGROUND NON-PRESSURE DRAINAGE AND SEWERAGE NETWORKS - PART 4 LINING WITH CURED-IN-PLACE PIPES

ES ISO 11296-7 : 2015 1 EDITION 20 P  PRICE CODE : K
PLASTICS PIPING SYSTEMS FOR RENOVATION OF UNDERGROUND NON-PRESSURE DRAINAGE AND SEWERAGE NETWORKS -PART 7 LINING WITH SPIRALLY WOUND PIPES

ES ISO 3114 : 2005 (R 2014) 1 EDITION 3 P  PRICE CODE : B
UNPLASTICIZED POLYVINYL CHLORIDE (PVC-U) PIPES FOR POTABLE WATER SUPPLY – EXTRACTABILITY OF LEAD AND TIN- TEST METHOD

ES ISO 11297-1 : 2015 1 EDITION 20 P  PRICE CODE : K
PLASTICS PIPING SYSTEMS FOR RENOVATION OF UNDERGROUND DRAINAGE AND SEWERAGE NETWORKS UNDER PRESSURE -PART 1 GENERAL

ES ISO 11297-3 : 2015 1 EDITION 19 P  PRICE CODE : K
PLASTICS PIPING SYSTEMS FOR RENOVATION OF UNDERGROUND DRAINAGE AND SEWERAGE NETWORKS UNDER PRESSURE -PART 3 LINING WITH CLOSE-FIT PIPES

ES ISO 6964 : 2005 (R 2014) 1 EDITION 3 P  PRICE CODE : B
POLYOLEFIN PIPES AND FITTINGS – DETERMINATION OF CARBON BLACK CONTENT BY CALCINATIONS AND PYROLYSIS – TEST METHOD AND BASIC SPECIFICATION
ES ISO 3126 : 2005 (R 2014)  
**1 EDITION**  2 P  
PRICE CODE : A

PLASTICS PIPES – MEASUREMENT OF DIMENSIONS

ES ISO 21004 : 2015  
**1 EDITION**  29 P  
PRICE CODE : N

PLASTICS PIPING SYSTEMS - MULTILAYER PIPES AND THEIR JOINTS, BASED ON THERMOPLASTICS, FOR WATER SUPPLY

ES ISO 11298-1 : 2015  
**1 EDITION**  19 P  
PRICE CODE : K

PLASTICS PIPING SYSTEMS FOR RENOVATION OF UNDERGROUND WATER SUPPLY NETWORKS - PART 1 GENERAL

ES ISO 161-1 : 2013  
**1 EDITION**  8 P  
PRICE CODE : D

THERMOPLASTICS PIPES FOR THE CONVEYANCE OF FLUIDS NOMINAL OUTSIDE DIAMETERS AND NOMINAL PRESSURES PART 1 METRIC SERIES

ES ISO 1167-3 : 2013  
**1 EDITION**  12 P  
PRICE CODE : F

THERMOPLASTICS PIPES, FITTINGS AND ASSEMBLIES FOR THE CONVEYANCE OF FLUIDS DETERMINATION IF THE RESISTANCE INTERNAL PRESSURE PART 3 GENERAL METHOD

ES ISO 1167-4 : 2013  
**1 EDITION**  9 P  
PRICE CODE : E

THERMOPLASTICS PIPES, FITTINGS AND ASSEMBLIES FOR THE CONVEYANCE OF FLUIDS - DETERMINATION OF THE RESISTANCE INTERNAL PRESSURE - PART 4 PREPARATION OF ASSEMBLES

**1 EDITION**  5 P  
PRICE CODE : C

CONDITIONS FOR UNPLASTICIZED POLY (VINYLCHLORIDE) (PVC-U) OR CHLORINATED POLY (VINYL CHLORIDE) (PVC-C) PIPES AND FITTINGS AND FOR HIGH IMPACT RESISTANCE POLY(VINYL CHLORIDE) (PVC-HI) PIPES

ES ISO 2507-3 :#### (R 2014)  
**1 EDITION**  6 P  
PRICE CODE : C

THERMOPLASTICS PIPES AND FITTINGS - VICAT SOFTENING TEMPERATURE PART 3 TEST CONDITIONS FOR ACRYLONITRILE/ BUTADIENE STYRENE (ABS) AND ACRYLONITRILE /STYRENE/ ACRYLIC ESTER (ASA) PIPES AND FITTINGS

ES ISO 1167-1 : 2013  
**1 EDITION**  7 P  
PRICE CODE : D

THERMOPLASTICS PIPES, FITTINGS AND ASSEMBLIES CONVEYANCE OF FLUIDS DETERMINATION OF THE RESISTANCE TO INTERNAL PRESSURE PART 1 GENERAL METHOD

ES ISO 22391-1 : 2015  
**1 EDITION**  13 P  
PRICE CODE : G

PLASTICS PIPING SYSTEMS FOR HOT AND COLD WATER INSTALLATIONS - POLYETHYLENE OF RAISEDTEMPERATURE RESISTANCE (PE-RT) - PART 1 GENERAL

**1 EDITION**  7 P  
PRICE CODE : D

THERMOPLASTICS PIPES FOR THE CONVEYANCE OF FLUIDS NOMINAL OUTSIDE DIAMETERS AND NOMINAL PRESSURES PART 2 INCH-BASED SERIES

ES ISO 1167-2 : 2013  
**1 EDITION**  7 P  
PRICE CODE : D

THERMOPLASTICS PIPES, FITTINGS AND ASSEMBLIES FOR THE CONVEYANCE OF FLUIDS DETERMINATION IF THE RESISTANCE INTERNAL PRESSURE PART 2 PREPARATION OF PIPE TEST PIECES
ES ISO 10639 : 2015  
PLASTICS PIPING SYSTEMS FOR PRESSURE AND NON-PRESSURE WATER SUPPLY - GLASS-REINFORCED THERMOSETTING PLASTICS (GRP) SYSTEMS BASED ON UNSATURATED POLYESTER (UP) RESIN

ES ISO 2507-1 : 2005 (R 2014)  
THERMOPLASTICS PIPES AND FITTINGS – VICAT SOFTENING TEMPERATURE – PART 1: GENERAL TEST METHOD

ES ISO 4427-5 : 2007 (R 2013)  
PLASTICS PIPING SYSTEMS - POLYETHYLENE (PE) PIPES AND FITTINGS FOR WATER SUPPLY - PART 5: FITNESS FOR PURPOSE OF THE SYSTEM

ES ISO 18373-2 : 2008  
RIGID PVC PIPES - DIFFERENTIAL SCANNING CALORIMETRY (DSC) METHOD - PART 2: MEASUREMENT OF THE ENTHALPY OF FUSION OF CRYSTALLITE

ES ISO 18672-1 : 2015  
PLASTICS PIPING SYSTEMS FOR NON-PRESSURE DRAINAGE AND SEWERAGE - POLYESTER RESIN CONCRETE (PRC) - PART 1: PIPES AND FITTINGS WITH FLEXIBLE JOINTS

ES ISO 13262 : 2015  
THERMOPLASTICS PIPING SYSTEMS FOR NON-PRESSURE UNDERGROUND DRAINAGE AND SEWERAGE THERMOPLASTICS SPIRALLY-FORMED STRUCTURED-WALL PIPES - DETERMINATION OF THE TENSILE STRENGTH OF A SEAM

ES ISO 13263 : 2015  
THERMOPLASTICS PIPING SYSTEMS FOR NON-PRESSURE UNDERGROUND DRAINAGE AND SEWERAGE THERMOPLASTICS FITTINGS - TEST METHOD FOR IMPACT STRENGTH

ES ISO 13264 : 2015  
THERMOPLASTICS PIPING SYSTEMS FOR NON-PRESSURE UNDERGROUND DRAINAGE AND SEWERAGE THERMOPLASTICS FITTINGS - TEST METHOD FOR MECHANICAL STRENGTH OR FLEXIBILITY OF ABRICATED FITTINGS

ES ISO 13265 : 2015  
THERMOPLASTICS PIPING SYSTEMS FOR NON-PRESSURE UNDERGROUND DRAINAGE AND SEWERAGE JOINTS FOR BURIED NON-PRESSURE APPLICATIONS - TEST METHOD FOR THE LONG-TERM SEALING PERFORMANCE OF JOINTS WITH ELASTOMERIC SEALS BY ESTIMATING THE SEALING PRESSURE

ES ISO 4427-2 : 2007 (R 2013)  
PLASTICS PIPING SYSTEMS - POLYETHYLENE (PE) PIPES AND FITTINGS FOR WATER SUPPLY - PART 2: PIPES
ES ISO 13267 : 2015  
1 EDITION  
13 P  
PRICE CODE : G  
THERMOPLASTICS PIPING SYSTEMS FOR NON-PRESSURE UNDERGROUND DRAINAGE AND SEWERAGE THERMOPLASTICS INSPECTION CHAMBER AND MANHOLE BASES - TEST METHODS FOR BUCKLING RESISTANCE

ES ISO 8361-2 : 2015  
2 EDITION  
5 P  
PRICE CODE : C  
THERMOPLASTICS PIPES AND FITTINGS WATER ABSORPTION PART 2 TEST CONDITIONS FOR UNPLASTICIZED POLY(VINYL CHLORIDE) (PVC-U) PIPES AND FITTINGS

ES ISO 8361-1 : 2015  
2 EDITION  
5 P  
PRICE CODE : C  
THERMOPLASTICS PIPES AND FITTINGS WATER ABSORPTION PART 1 GENERAL TEST METHOD

### 23.040.40 METAL FITTINGS

#### 23.040.45 PLASTICS FITTINGS

ES ISO 3419 : 2006 (R 2015)  
1 EDITION  
17 P  
PRICE CODE : J  
NON ALLOY AND ALLOY STEEL BUTT-WELDING FITTINGS

ES ISO 5251 : 2006 (R 2015)  
1 EDITION  
25 P  
PRICE CODE : M  
STAINLESS STEEL BUTT-WELDING FITTINGS

ES ISO 49 : 2002  
1 EDITION  
38 P  
PRICE CODE : R  
MALLEABLE CAST IRON FITTINGS THREADED TO ISO 7-1

1 EDITION  
3 P  
PRICE CODE : B  
PLASTIC PIPES AND FITTINGS – POLYETHYLENE (PE) TAPPING TEES TEST METHOD FOR IMPACT RESISTANCE

1 EDITION  
12 P  
PRICE CODE : F  
NON-ALLOY STEEL FITTINGS THREADED TO ISO 7/1

ES 2571 : 2005  
1 EDITION  
32 P  
PRICE CODE : P  
THREADED PIPE FITTINGS IN MALLEABLE CAST IRON

ES ISO 4144 : 2006  
1 EDITION  
19 P  
PRICE CODE : K  
PIPEWORK - STAINLESS STEEL FITTINGS THREADED IN ACCORDANCE WITH ISO 7-1

### 23.040.50 PIPES AND FITTINGS OF OTHER MATERIALS

ES ISO 2723 : 2005  
1 EDITION  
69 P  
PRICE CODE : V  
CONCRETE MANHOLES AND INSPECTION CHAMBERS, UNREINFORCED, STEEL FIBRE AND REINFORCED

ES 4132 : 2005  
1 EDITION  
5 P  
PRICE CODE : C  
UNPLASTICIZED POLYVINYL CHLORIDE (PVC) AND METAL ADAPTOR FITTINGS FOR PIPES UNDER PRESSURE – LAYING LENGTHS AND SIZE OF THREADS – METRIC SERIES

ES ISO 13954 : 2005 (R 2014)  
1 EDITION  
6 P  
PRICE CODE : C  
PLASTIC PIPES AND FITTINGS – PEEL DECOHESION TEST FOR POLYETHYLENE (PE) ELECTROFUSION ASSEMBLIES OF NOMINAL OUTSIDE DIAMETER GREATER THAN OR EQUAL TO 90 MM
ES 2562 : 2005  1 EDITION  6  P  PRICE CODE :  C
PLASTICS PIPING AND DUCTING SYSTEMS- INJECTION MOULDED THERMOPLASTICS FITTINGS
TEST METHOD FOR VISUALLY ASSESSING EFFECTS OF HEATING

ES 2696 : 2005  1 EDITION  14  P  PRICE CODE :  G
PRECAST CONCRETE PIPES, FITTINGS AND ANCILLARY PRODUCTS. SPECIFICATION FOR OEGE
PIPES AND FITTINGS (INCLUDING PERFORATED)

ES ISO 9853 : 2005 (R 2014)  1 EDITION  4  P  PRICE CODE :  B
INJECTION-MOULDED UNPLASTICIZED POLY (VINYL CHLORIDE) PCV-U) FITTINGS FOR PRESSURE
PIPE SYSTEMS – CRUSHING TEST

ES ISO 13955 : 2005 (R 2014)  1 EDITION  6  P  PRICE CODE :  C
PLASTICS PIPES AND FITTINGS – CRUSHING DECHESION TEST FOR POLYETHYLENE
(PE)ELECTROFUSION ASSEMBLIES

8283-1 : 2005 (R 2014)  1 EDITION  4  P  PRICE CODE :  B
PLASTICS PIPES AND FITTINGS – DIMENSIONS OF SOCKETS AND SPIGOTS FOR DISCHARGE
SYSTEMS INSIDE BUILDINGS PART 1 UNPLASTICIZED POLY (VINYL CHLORIDE) (PVC-U) AND
CHLORINATED POLY (VINYL CHLORIDE) (PVC-C)

ES ISO 11414 : 2015  1 EDITION  4  P  PRICE CODE :  B
PLASTIC PIPES AND FITTINGS – PREPARATION OF POLYETHYLENE (PE) PIPE/PIPE
ORPIPE/FITTING TEST PIECE ASSEMBLIES BY BUTT FUSION

ES ISO 7005-1 : 2015  1 EDITION  79  P  PRICE CODE :  W
METALLIC FLANGES - PART 1 STEEL FLANGES

8283-2 : 2005 (R 2014)  1 EDITION  4  P  PRICE CODE :  B
PLASTICS PIPES AND FITTINGS – DIMENSIONS OF SOCKETS AND SPIGOTS FOR DISCHARGE
SYSTEMS INSIDE BUILDINGS- PART F2 POLYETHYLENE (PE)

ES ISO 8283-3 : 2005 (R 2014)  1 EDITION  4  P  PRICE CODE :  B
PLASTIC PIPES AND FITTINGS – DIMENSIONS OF SOCKETS AND SPIGOTS FOR DISCHARGE SYSTEMS
INSIDE BUILDINGS – PART 3 POLYPROPYLENE (PP)

ES ISO 11413 : 2015  1 EDITION  9  P  PRICE CODE :  E
PLASTICS PIPES AND FITTINGS – PREPARATION OF TEST PIECES ASSEMBLIES BETWEEN A
POLYETHYLENE (PE) PIPE AND AN ELECTROFUSION FITTING

ES ISO 7005-3 : 2015  1 EDITION  26  P  PRICE CODE :  M
METALLIC FLANGES - PART 3 COPPER ALLOY AND COMPOSITE FLANGES

ES ISO 7005-2 : 2015  1 EDITION  34  P  PRICE CODE :  Q
METALLIC FLANGES - PART 2 CAST IRON FLANGES

23.040.60  FLANGES, COUPLINGS AND JOINTS

ES ISO 13953 : 2005 (R 2015)  1 EDITION  8  P  PRICE CODE :  D
POLYETHYLENE (PE) PIPES AND FITTINGS DETERMINATION OF TENSILE STRENGTH AND FAILURE
MODE OF TEST PIECES FROM A BUTTFUSED JOINT

2020 ETHIOPIAN STANDARDS CATALOGUE  ESA is Certified to ISO 9001:2015
### 23.040.70 HOSES AND HOSE ASSEMBLIES

**ES ISO 8330 : 2005**  
_Edition_ 1 Edition  
_Price Code:_ R  
Rubber and plastics hoses and hose assemblies - Vocabulary

**ES ISO 7751 : 2005 (R 2014)**  
_Edition_ 1 Edition  
_Price Code:_ A  
Rubber and plastics hoses and hose assemblies – Ratio of proof and burst pressure to design working pressure

**ES ISO 8308 : 2005**  
_Edition_ 1 Edition  
_Price Code:_ E  
Rubber and plastics hoses and tubing - Determination of transmission of liquids through hose and tubing walls

**ES ISO 4672 : 2002**  
_Edition_ 1 Edition  
_Price Code:_ F  
Rubber and plastics hoses sub ambient temperature flexibility tests

**ES ISO 8033 : 2015**  
_Edition_ 1 Edition  
_Price Code:_ E  
Rubber and plastics hose - Determination of adhesion between components

**ES ISO 1307 : 2012**  
_Edition_ 2 Edition  
_Price Code:_ B  
Rubber and plastics hoses - Hose sizes, minimum and maximum inside diameters, and tolerances on cut-to-length hoses

### 23.040.80 SEALS FOR PIPE AND HOSE ASSEMBLIES

**ES 9691 : 2005**  
_Edition_ 1 Edition  
_Price Code:_ K  
Rubber – Recommendations for the workmanship of pipe joint fittings - Description and classification of imperfections

**ES 2563 : 2005**  
_Edition_ 1 Edition  
_Price Code:_ C  
Plastics piping systems unplasticized poly (vinyl chloride) (PVC-U) pipes test method for the resistance to dichloromethane at a specified temperature (DCMT)

**ES 915 : 2005**  
_Edition_ 1 Edition  
_Price Code:_ B  
Pipe threads - Sealing pipe threads

**ES 2568 : 2005**  
_Edition_ 1 Edition  
_Price Code:_ E  
Plastics piping systems thermoplastics piping systems for buried nonpressure applications test methods for leaktightness of elastomeric sealing ring type joints

**ES 2667 : 2005**  
_Edition_ 1 Edition  
_Price Code:_ D  
Sealing materials for metallic threaded joints in contact with 1st, 2nd and 3rd family gases and hot water part 1. Non-hardening compounds

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ES ISO 5996 : 2006  
CAST IRON GATE VALVES

ES ISO 6002 : 2006  
BOLTED BONNET STEEL GATE VALVES

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PRESSURE REGULATORS *INCLUDING PRESSURE-REDUCERS *PROTECTION AGAINST EXCESSIVE PRESSURE

ES 2612 : 2005  
BUILDING VALVES - WATER PRESSURE REDUCING VALVES AND COMBINATION WATER REDUCING VALVES - REQUIREMENTS AND TESTS

ES ISO 10297 : 2015  
GAS CYLINDERS - REFILLABLE GAS CYLINDER VALVES - SPECIFICATION AND TYPE TESTING

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OTHER VALVES

ES 2968 : 2006  
SANITARY TAPWARE - AUTOMATIC SHUT-OFF VALVES PN 10

ES ISO 10631 : 2015  
METALLIC BUTTERFLY VALVES FOR GENERAL PURPOSES

23.080

PUMPS *PUMPS FOR FLUID POWER SYSTEMS, SEE 23.100.10 *VACUUM PUMPS

ES ISO 3661 : 2012  
END-SUCTION CENTRIFUGAL PUMPS - BASEPLATE AND INSTALLATION DIMENSIONS

CENTRIFUGAL, MIXED FLOW AND AXIAL PUMPS - CODE FOR HYDRAULIC PERFORMANCE TESTS - PRECISION CLASS

ES ISO 9905 : 2012  
TECHNICAL SPECIFICATIONS FOR CENTRIFUGAL PUMPS - CLASS I AMENDMENT 1

ES ISO 5199 : 2012  
TECHNICAL SPECIFICATIONS FOR CENTRIFUGAL PUMPS - CLASS II

ES ISO 14847 : 2007 (R 2015)  
ROTARY POSITIVE DISPLACEMENT PUMPS - TECHNICAL REQUIREMENTS

ES ISO 7483 : 2012  
DIMENSIONS OF GASKETS FOR USE WITH FLANGES TO ISO 7005 SYMBOLS AND UNITS

ES ISO 20361 : 2012  
LIQUID PUMPS AND PUMP UNITS - NOISE TEST CODE - GRADES 2 AND 3 OF ACCURACY
ES ISO 17769 : 2012  
**1 EDITION**  
47 P  
**PRICE CODE : T**  
LIQUID PUMPS AND INSTALLATION - GENERAL TERMS - DEFINITIONS, ANTITIES, LETTER SYMBOLS AND UNITS

ES ISO 3069 : 2012  
**1 EDITION**  
16 P  
**PRICE CODE : H**  
END-SUCTION CENTRIFUGAL PUMPS - DIMENSIONS OF CAVITIES FOR MECHANICAL SEALS AND FOR SOFT PACKING

**1 EDITION**  
28 P  
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RECIPIROCATING POSITIVE DISPLACEMENT PUMPS AND PUMP UNITS - TECHNICAL REQUIREMENTS

ES ISO 15783 : 2007  
**1 EDITION**  
52 P  
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SEAL-LESS ROTODYNAMIC PUMPS - CLASS II - SPECIFICATION

### 23.100.01  FLUID POWER SYSTEMS IN GENERAL

ES ISO 6072 : 2005 (R 2012)  
**1 EDITION**  
20 P  
**PRICE CODE : K**  
HYDRAULIC FLUID POWER - COMPATIBILITY BETWEEN FLUIDS AND STANDARD ELASTOMETRIC MATERIALS

ES ISO 1179 : 2005  
**1 EDITION**  
3 P  
**PRICE CODE : B**  
PIPE CONNECTIONS, THREADED TO ISO 228/1, FOR PLAIN END STEEL AND OTHER METAL TUBES IN INDUSTRIAL APPLICATION

### 23.100.20  CYLINDERS

**1 EDITION**  
6 P  
**PRICE CODE : C**  
PNEUMATIC FLUID POWER SYSTEMS - CYLINDER BARRELS –REQUIREMENTS FOR NON-FERROUS METALLIC TUBES

ES ISO 4394-1 : 2006  
**1 EDITION**  
9 P  
**PRICE CODE : E**  
FLUID POWER SYSTEMS AND COMPONENTS - CYLINDER BARRELS - PART I REQUIREMENTS FOR STEEL TUBES WITH ESPECIALLY FINISHED BORES

### 23.120  VENTILATORS. FANS. AIR-CONDITIONERS

**2 EDITION**  
30 P  
**PRICE CODE : P**  
INDUSTRIAL FANS - PERFORMANCE TESTING OF JET FANS

**EDITION**  
18 P  
**PRICE CODE : J**  
INDUSTRIAL FANS - MECHANICAL SAFETY OF FANS - GUARDING

ES ISO 13351 : 2016  
**2 EDITION**  
16 P  
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INDUSTRIAL FANS - DIMENSIONS

ES ISO 13253 : 2015  
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52 P  
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DUCTED AIR-CONDITIONERS AND AIR-TO-AIR HEAT PUMPS - TESTING AND RATING FOR PERFORMANCE
## 23.140  Compressors and Pneumatic Machines

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## 23.160  Vacuum Technology

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### 25.060.10 MODULAR UNITS AND OTHER DEVICES

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### 25.060.20 DIVIDING AND TOOL-WORKPIECE HOLDING DEVICES

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<td>ES ISO 10649-4</td>
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<td>CUTTER ARBORS WITH PARALLEL KEY AND TENON DRIVE - PART 4 DIMENSIONS AND DESIGNATION OF TOOL HOLDERS WITH 7/24 TAPER WITHOUT AUTOMATIC TOOL CHANGER</td>
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<td>ES ISO 10889-2</td>
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ES ISO 26622-1 : 2018  
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ES ISO 7388-3 : 2018  
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ES ISO 5414-2 : 2018  
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ES ISO 5169 : 2014  1 EDITION  4  P  PRICE CODE : B
MACHINE TOOLS-PRESENTATION OF LUBRICATION INSTRUCTION

ES ISO 3408-2 : 2014  1 EDITION  7  P  PRICE CODE : D
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BALL SCREWS - PART 3 ACCEPTANCE CONDITIONS AND ACCEPTANCE TESTS

ES ISO 3408-4 : 2014  1 EDITION  18  P  PRICE CODE : J
BALL SCREWS - PART 4 STATIC AXIAL RIGIDITY

ES ISO 3408-5 : 2014  1 EDITION  14  P  PRICE CODE : G
BALL SCREWS - PART 5 STATIC AND DYNAMIC AXIAL LOAD RATINGS AND OPERATIONAL LIFE

ES ISO 23848-2 : 2014  1 EDITION  8  P  PRICE CODE : D
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ES ISO 883 : 2015  2 EDITION  12  P  PRICE CODE : F
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ES ISO 229 : 2007 (R 2017)  1 EDITION  8  P  PRICE CODE : D
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ES ISO 230-5 : 2007  1 EDITION  36  P  PRICE CODE : R
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ES ISO 230-6 : 2007  1 EDITION  14  P  PRICE CODE : G
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ES ISO 230-3 : 2017  2 EDITION  42  P  PRICE CODE : S
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ES ISO 3286 : 2007  1 EDITION 4 P  PRICE CODE : B
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ES ISO 1832 : 2015  EDITION 27 P  PRICE CODE : N
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ES ISO 6987 : 2015  2 EDITION 26 P  PRICE CODE : M
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ES ISO 4203 : 2007  5 EDITION 5 P  PRICE CODE : C
PARALLEL SHANK TOOLS - DRIVING TENONS AND SOCKETS - DIMENSIONS

ES ISO 5611 : 2007  1 EDITION 12 P  PRICE CODE : F
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25.100.10  TURNING TOOLS

ES ISO 243 : 2015  2 EDITION 6 P  PRICE CODE : C
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ES ISO 241 : 2007  1 EDITION 8 P  PRICE CODE : D
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ES ISO 5608 : 2015  2 EDITION 14 P  PRICE CODE : G
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ES ISO 5421 : 2007  1 EDITION 4 P  PRICE CODE : B
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<td>MILLING CUTTERS FOR HIGH SPEED MACHINING - SAFETY REQUIREMENTS</td>
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<td>ES ISO 3291</td>
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**25.100.30 DRILLS, COUNTERSINKS, REAMERS**

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ES ISO 9766 : 2016 2 EDITION 4 P PRICE CODE : B DRILLS WITH INDEXABLE INSERTS - CYLINDRICAL SHANKS WITH A PARALLEL FLAT

ES ISO 3294 : 2007 1 EDITION 4 P PRICE CODE : B PARALLEL SHANK COUNTERSINKS FOR ANGLES 60°, 90 AND 120 INCLUSIVE

ES ISO 4206 : 2007 1 EDITION 8 P PRICE CODE : D COUNTERBORES WITH PARALLEL SHANKS AND SOLID PILOTS

ES ISO 239 : 2007 1 EDITION 8 P PRICE CODE : D DRILL CHUCK TAPERS

ES ISO 2402 : 2007 1 EDITION 8 P PRICE CODE : D SHELL REAMERS WITH TAPER BORE (TAPER BORE 1 30 (INCLUDED)) WITH SLOT DRIVE AND ARBORS FOR SHELL REAMERS

ES ISO 235 : 2007 1 EDITION 8 P PRICE CODE : D PARALLEL SHANK JOBBER AND STUB SERIES DRILLS AND MORSE TAPER SHANK DRILLS

ES ISO 10899 : 2007 1 EDITION 20 P PRICE CODE : K HIGH-SPEED STEEL TWO-FLUTE TWIST DRILLS TECHNICAL SPECIFICATIONS


ES ISO 10898 : 2017 2 EDITION 5 P PRICE CODE : C SPOT DRILLS

25.100.40 SAWS


ES ISO 4875-1 : 2007 1 EDITION 7 P PRICE CODE : D METAL CUTTING BAND SAW BLADES - PART 1 DEFINITIONS AND TERMINOLOGY

ES ISO 4875-2 : 2007 1 EDITION 6 P PRICE CODE : C METAL CUTTING BAND SAW BLADES - PART -2 CHARACTERISTICS AND DIMENSIONS

ES ISO 2336-1 : 2007 1 EDITION 8 P PRICE CODE : D HACKSAW BLADES - PART 1 DIMENSIONS FOR HAND BLADES

ES ISO 2336-2 : 2016 2 EDITION 3 P PRICE CODE : B HACKSAW BLADES -PART 2 DIMENSIONS FOR MACHINE BLADES
### 25.100.50 | TAPS AND THREADING DIES

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<td>As-sintered hardmetal pellets used in heading dies - dimensions and tolerances</td>
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<td>Hand- and machine-operated circular screwing dies for parallel pipe threads - G Series</td>
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<td>ES 2902</td>
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<td>Specification for low-resistance single taps and combination tap assemblies (nominal size ½ and ¾) suitable for operation at PN 10 max. and a minimum low pressure of 0.01 MPA (0.1 BAR)</td>
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<td>Long shank taps with nominal diameters from M3 to M10 - full diameter shank taps with recess</td>
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### 25.100.60 | FILES

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### 25.100.70 | ABRASIVES
ES ISO 5429 : 2016  2 EDITION  3 P  PRICE CODE : B
COATED ABRASIVES - FLAP WHEELS WITH INCORPORATED FLANGES OR SEPARATE FLANGES

ES ISO 9285 : 2007  1 EDITION  24 P  PRICE CODE : M
ABRASIVE GRAINS AND CRUDE - CHEMICAL ANALYSIS OF FUSED ALUMINIUM OXIDE

ES ISO 9284 : 2016  1 EDITION  5 P  PRICE CODE : C
ABRASIVE GRAINS - TEST-SIEVING MACHINES

ES ISO 3919 : 2007  1 EDITION  8 P  PRICE CODE : D
COATED ABRASIVES - FLAP WHEELS WITH SHAFT

ES ISO 15635 : 2007  1 EDITION  10 P  PRICE CODE : E
COATED ABRASIVES - FLAP DISCS

ES ISO 9286 : 2007  1 EDITION  28 P  PRICE CODE : N
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ES ISO 21949 : 2007  1 EDITION  10 P  PRICE CODE : E
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ES ISO 2976 : 2007  1 EDITION  21 P  PRICE CODE : L
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ES ISO 13942 : 2007  1 EDITION  24 P  PRICE CODE : M
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ES ISO 21951 : 2007  1 EDITION  10 P  PRICE CODE : E
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ES ISO 9138 : 2016  2 EDITION  7 P  PRICE CODE : D
ABRASIVE GRAINS - SAMPLING AND SPLITTING

ES ISO 21950 : 2007  1 EDITION  10 P  PRICE CODE : E
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ES ISO 15636 : 2007  1 EDITION  8 P  PRICE CODE : D
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ES ISO 603-15 : 2007  1 EDITION  12 P  PRICE CODE : F
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ES ISO 16057 : 2007  1 EDITION  10 P  PRICE CODE : E
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ES ISO 9136-2 : 2007  1 EDITION  10 P  PRICE CODE : E
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1 EDITION 22 P  
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ES ISO 603-10 : 2007  
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ES ISO 9136-1 : 2007  
1 EDITION 10 P  
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1 EDITION 12 P  
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ES ISO 603-6 : 2007  
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1 EDITION 10 P  
PRICE CODE : E
BONDED ABRASIVE PRODUCTS - DIMENSIONS - PART 13 GRINDING WHEELS FOR DEBURRING AND FETTLING ON A VERTICAL GRINDER

ES ISO 15637-1 : 2007  
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ES ISO 603-14 : 2007  
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ES ISO 10071-2 : 2014  
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ES ISO 9181 : 2014  
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ES ISO 8020 : 2014  
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25.140.01  HAND-HELD TOOLS IN GENERAL
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ES ISO 10914 : 2007  
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ES ISO 2380-2 : 2004 (R 2014)  
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**1 EDITION 5 P ** PRICE CODE : C
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ES ISO 6789 : 2007  
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ES ISO 691 : 2007  
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ES ISO 5747 : 2007  
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**WELDING, BRAZING AND SOLDERING* INCLUDING GAS WELDING, ELECTRIC WELDING, PLASMA WELDING, ELECTRON BEAM WELDING, PLASMA CUTTING, ETC.**

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**25.160.40** WELDED JOINTS AND WELDS *INCLUDING WELDING POSITION AND MECHANICAL AND NON-DESTRUCTIVE TESTING OF WELDED JOINTS*

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ES ISO 12224-1 : 2006 (R 2017)  1 EDITION  11 P  PRICE CODE : F
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ES ISO 8994 : 2007  
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ES ISO 8251 : 2007 (R 2013)  
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ES ISO 11408 : 2007  
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ES ISO 8502-9 : 2007 1 EDITION 12 P PRICE CODE : F
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ES ISO 10309 : 2007 1 EDITION 8 P PRICE CODE : D
METALLIC COATINGS - POROSITY TESTS - FERROXYL TEST

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- **ES ISO 4527**: Metallic Coatings - Autocatalytic (Electroless) Nickel-Phosphorus Alloy Coatings - Specification and Test Methods
- **ES ISO 4526**: Metallic Coatings - Electroplated Coatings of Nickel for Engineering Purposes
- **ES ISO 1461**: Hot Dip Galvanized Coatings on Fabricated Iron and Steel Articles - Specifications and Test Methods
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- **ES ISO 4539**: Electrodeposited Chromium Coatings - Electrolytic Corrosion Testing (EC Test)
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**27.010 ENERGY AND HEAT TRANSFER ENGINEERING IN GENERAL**

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<td>RECIPROCAL INTERNAL COMBUSTION ENGINES - RECOIL STARTING EQUIPMENT - GENERAL SAFETY REQUIREMENTS</td>
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ES ISO 14396 : 2012  
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ES ISO 4548-3 : 2012  
METHODS OF TEST FOR FULL-FLOW LUBRICATING OIL FILTERS FOR INTERNAL COMBUSTION ENGINES - PART 3 RESISTANCE TO HIGH DIFFERENTIAL PRESSURE AND TO ELEVATED TEMPERATURE

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SPECIFICATIONS FOR SOLAR HOME SYSTEMS

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RECIPROCATING INTERNAL COMBUSTION ENGINES - VOCABULARY OF COMPONENTS AND SYSTEMS - PART 2 MAIN RUNNING GEAR

ES ISO 7967-1 : 2012  
RECIPROCATING INTERNAL COMBUSTION ENGINES - VOCABULARY OF COMPONENTS AND SYSTEMS - PART 1 STRUCTURE AND EXTERNAL COVERS

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ES ISO 4548-11 : 2012  
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ES ISO 2710-2 : 2012  
RECIPROCATING INTERNAL COMBUSTION ENGINES - VOCABULARY –PART 2 TERMS FOR ENGINE MAINTENANCE

ES ISO 4548-5 : 2012  
METHODS OF TEST FOR FULL-FLOW LUBRICATING OIL FILTERS FOR INTERNAL COMBUSTION ENGINES - PART 5 COLD START SIMULATION AND HYDRAULIC PULSE DURABILITY TEST

ES ISO 2710-1 : 2012  
RECIPROCATING INTERNAL COMBUSTION ENGINES - VOCABULARY -PART 1 TERMS FOR ENGINE DESIGN AND OPERATION

ES ISO 4548-12 : 2012  
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ES ISO 4548-9 : 2012  
METHODS OF TEST FOR FULL-FLOW LUBRICATING OIL FILTERS FOR INTERNAL COMBUSTION ENGINES - PART 9 INLET AND OUTLET ANTI-DRAIN VALVE TESTS

ES ISO 3046-1 : 2012  
RECIPROCATING INTERNAL COMBUSTION ENGINES - PERFORMANCE - PART 1 DECLARATIONS OF POWER, FUEL AND LUBRICATING OIL CONSUMPTIONS, AND TEST METHODS - ADDITIONAL REQUIREMENTS FOR ENGINES FOR GENERAL USE

ES ISO 4548-4 : 2012  
METHODS OF TEST FOR FULL-FLOW LUBRICATING OIL FILTERS FOR INTERNAL COMBUSTION ENGINES - PART 4 INITIAL PARTICLE RETENTION EFFICIENCY, LIFE AND CUMULATIVE EFFICIENCY (GRAVIMETRIC METHOD)

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METHODS OF TEST FOR FULL-FLOW LUBRICATING OIL FILTERS FOR INTERNAL COMBUSTION ENGINES (PART-6 STATIC BURST PRESSURE TEST)

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ES ISO 3046-5 : 2012  
RECIPROCATING INTERNAL COMBUSTION ENGINES - PERFORMANCE - PART 5 TORSIONAL VIBRATIONS

ES ISO 19013-1 : 2012  
RUBBER HOSES AND TUBING FOR FUEL CIRCUITS FOR INTERNAL COMBUSTION ENGINES - SPECIFICATION - PART 1 DIESEL FUELS

ES ISO 7967-5 : 2012  
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**27.060.30 - Boilers and Heat Exchangers**

- **ES ISO 6759 : 2007**
  - Edition: 1
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  - Seamless Steel Tubes for Heat Exchangers

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- **ES ISO 16812 : 2007**
  - Edition: 1
  - Price Code: T
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- **ES CHS 286 : 2007**
  - Edition: 1
  - Price Code: XZ

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  - Price Code: D
  - Solar Energy - Calibration of Field Pyrhiometers By Comparison to a Reference Pyrheliometer

- **ES ISO 10051 : 2007**
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  - Thermal Insulation - Moisture Effects on Heat Transfer - Determination of Thermal Ansmissivity of a Moist Material

- **ES ISO 9806 : 2015**
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  - Solar Energy - Solar Thermal Collectors - Test Methods

- **ES ISO 10217 : 2015**
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- **ES ISO 9808 : 2015**
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  - Price Code: H
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SOLAR ENERGY - CALIBRATION OF FIELD PYRANOMETERS BY COMPARISON TO A REFERENCE PYRANOMETER

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ES ISO 15387 : 2015  1 EDITION  85 P  PRICE CODE : X
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ES ISO 9488 : 2015  1 EDITION  31 P  PRICE CODE : P
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ES ISO 9553 : 2015  1 EDITION  10 P  PRICE CODE : E
SOLAR ENERGY - METHODS OF TESTING PREFORMED RUBBER SEALS AND SEALING COMPOUNDS USED IN COLLECTORS

ES IEC 61646 : 2014  1 EDITION  83 P  PRICE CODE : X
FILM TERRESTRIAL PHOTOVOLTIC (PV) MODULES-DESIGN QUALIFICATION AND TYPE APPROVAL.

ES ISO 9459-4 : 2015  1 EDITION  70 P  PRICE CODE : V
SOLAR HEATING - DOMESTIC WATER HEATING SYSTEMS - PART 4 SYSTEM PERFORMANCE CHARACTERIZATION BY MEANS OF COMPONENT TESTS AND COMPUTER SIMULATION

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SOLAR HEATING - DOMESTIC WATER HEATING SYSTEMS - PART 1 PERFORMANCE RATING PROCEDURE USING INDOOR TEST METHODS

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ES CHS 288 : 2015  
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**1 EDITION** 12 P  
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SPECIFICATION FOR LOW VOLTAGE SWITCHGEAR AND CONTROLGEAR FOR INDUSTRIAL USE. CONTROL SWITCHES. POSITION SWITCHES 42.5 X 80. DIMENSIONS AND CHARACTERISTICS
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**ES IEC 60364-5 : 2006**  
*1 EDITION*  
80 P  
**PRICE CODE : W**  
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*1 EDITION*  
34 P  
**PRICE CODE : Q**  
**TUNGSTEN FILAMENT LAMPS FOR DOMESTIC AND SIMILAR GENERAL LIGHTING PURPOSE PERFORMANCE REQUIREMENTS**

**ES IEC 60432-2 : 2006**  
*2 EDITION*  
34 P  
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**ES IEC 60432-1 : 2006**  
*1 EDITION*  
88 P  
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**ES IEC 60192 : 2006**  
*3 EDITION*  
62 P  
**PRICE CODE : V**  
**LOW-PRESSURE SODIUM VAPOUR LAMPS - PERFORMANCE SPECIFICATIONS**

**ES 1359 : 2005**  
*1 EDITION*  
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**PRICE CODE : G**  
**TUBULAR FLUORESCENT LAMPS FOR GENERAL LIGHTING SERVICE. SPECIFICATION**

**ES IEC 60801 : 2006**  
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>10 P  
**PRICE CODE : XZ**  
**DOUBLE-CAPPED FLUORESCENT LAMPS - PERFORMANCE SPECIFICATION**

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**PRICE CODE : T**  
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### 29.140.40  LUMINAIRES

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*1 EDITION*  
10 P  
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**LUMINAIRES, PARTICULAR REQUIREMENTS. SPECIFICATION FOR FIXED GENERAL PURPOSE LUMINAIRES**
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ES 1449 : 2005  1 EDITION  44 P  PRICE CODE : S
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SELECTORS

29.160  ROTATING MACHINERY

ES IEC 50421 : 2012  1 EDITION  36 P  PRICE CODE : R
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ES 1317 : 2005 (R 2013)  1 EDITION  30 P  PRICE CODE : P
TERMINAL MARKINGS FOR ELECTRICAL MACHINERY AND APPARATUS. TERMINAL MARKINGS
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ES IEC 60445 : 2012  1 EDITION  18 P  PRICE CODE : J
BASIC AND SAFETY PRINCIPLES FOR MAN-MACHINSINTERFACE,MARKING AND IDENTIFICATION
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ES CHS 287-5 : 2012  
**1 EDITION** 39 P  
**PRICE CODE : R**  
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**29.180 TRANSFORMERS. REACTORS**

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ES CHS 292 : 2014  1 EDITION  >10 P  PRICE CODE : XZ
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ES IEC 17310 : 2014  1 EDITION  11 P  PRICE CODE : F
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35.140  COMPUTER GRAPHICS

ES 8632-4 : 2011 (R 2017)  1 EDITION  50 P  PRICE CODE : T
INFORMATION TECHNOLOGY - COMPUTER GRAPHICS - METAFILE FOR THE STORAGE AND TRANSFER OF PICTURE DESCRIPTION INFORMATION - PART 4 CLEAR TEXT ENCODING

ES 8632-3 : 2011 (R 2017)  1 EDITION  68 P  PRICE CODE : V
INFORMATION TECHNOLOGY - COMPUTER GRAPHICS - METAFILE FOR THE STORAGE AND TRANSFER OF PICTURE DESCRIPTION INFORMATION - PART 3 BINARY ENCODING

35.220.22  MAGNETIC TAPES

ES ISO 5652 : 2012  1 EDITION  15 P  PRICE CODE : H
INFORMATION PROCESSING-9 TRACK,12,7MM(0.5IN) WIDE MAGNETIC TAPE FOR INFORMATION INTERCHANGE FORMAT AND RECORDING,USING GROUP CODIN AT 246 CPMM (6250 CPI)

35.220.30  OPTICAL STORAGE DEVICES

ES 16824 : 2016  2 EDITION  95 P  PRICE CODE : X
INFORMATION TECHNOLOGY - 120 MM DVDREWRITABLE DISK (DVD-RAM)

ES ISO 18925 : 2016  2 EDITION  10 P  PRICE CODE : E
IMAGING MATERIALS - OPTICAL DISC MEDIA - STORAGE PRACTICES

ES 13170 : 2016  1 EDITION  >10 P  PRICE CODE : XZ
INFORMATION TECHNOLOGY - 120 MM (8,54 GBYTES PER SIDE) AND 80 MM (2,66 GBYTES PER SIDE) DVD RE-RECORDABLE DISK FOR DUAL LAYER (DVD-RW FOR DL)

ES 16448 : 2016  1 EDITION  75 P  PRICE CODE : W
INFORMATION TECHNOLOGY - 120 MM DVD -READ-ONLY DISK

35.240.01  APPLICATION OF INFORMATION TECHNOLOGY IN GENERAL

ES 15693-3 : 2018  1 EDITION  77 P  PRICE CODE : W
IDENTIFICATION CARDS - CONTACTLESS INTEGRATED CIRCUIT CARDS - VICINITY CARDS - PART 3 ANTICOLLISION AND TRANSMISSION PROTOCOL

35.240.15  IDENTIFICATION CARDS AND RELATED DEVICES

2020 ETHIOPIAN STANDARDS CATALOGUE       ESA is Certified to ISO 9001:2015
ES 7810 : 2018 1 EDITION 11 P PRICE CODE : F
IDENTIFICATION CARDS - PHYSICAL CHARACTERISTICS

ES 12905 : 2018 1 EDITION 41 P PRICE CODE : S
INTEGRATED CIRCUIT CARDS - ENHANCED TERMINAL ACCESSIBILITY USING CARDHOLDER PREFERENCE INTERFACE

ES 10536-1 : 2018 1 EDITION 5 P PRICE CODE : C
IDENTIFICATION CARDS-CONTACTLESS INTEGRATED CIRCUIT(S)CARDS-CLOSE-COUPLED CARDS-PART 1 PHYSICAL CHARACTERISTICS

ES 15693-1 : 2018 1 EDITION 5 P PRICE CODE : C
IDENTIFICATION CARDS - CONTACTLESS INTEGRATED CIRCUIT CARDS - VICINITY CARDS - PART 1 PHYSICAL CHARACTERISTICS

ES 7816-2 : 2018 1 EDITION 7 P PRICE CODE : D
IDENTIFICATION CARDS - INTEGRATED CIRCUIT CARDS - PART 2 CARDS WITH CONTACTS - DIMENSIONS AND LOCATION OF THE CONTACTS

ES 15693-2 : 2018 1 EDITION 15 P PRICE CODE : H
IDENTIFICATION CARDS - CONTACTLESS IDENTIFICATION CARDS - CONTACTLESS INTEGRATED CIRCUIT CARDS - VICINITY CARDS - PART 2 AIR INTERFACE AND INITIALIZATION

ES 7816-5 : 2018 1 EDITION 8 P PRICE CODE : D
IDENTIFICATION CARDS - INTEGRATED CIRCUIT CARDS - PART 5 REGISTRATION OF APPLICATION PROVIDERS

ES 7816-4 : 2018 1 EDITION >10 P PRICE CODE : XZ
IDENTIFICATION CARDS - INTEGRATED CIRCUIT CARDS - PART 4 ORGANIZATION, SECURITY AND COMMANDS FOR INTERCHANGE

ES 7816-3 : 2018 1 EDITION 50 P PRICE CODE : T
IDENTIFICATION CARDS - INTEGRATED CIRCUIT CARDS - PART 3 CARDS WITH CONTACTS - ELECTRICAL INTERFACE AND TRANSMISSION PROTOCOLS

ES ISO 8583-2 : 2015 1 EDITION 6 P PRICE CODE : C
FINANCIAL TRANSACTION CARD ORIGINATED MESSAGES - INTERCHANGE MESSAGE SPECIFICATIONS - PART 2 APPLICATION AND REGISTRATION PROCEDURE FOR INSTITUTION IDENTIFICATION CODES (IIC)

ES ISO 8583-1 : 2015 1 EDITION >10 P PRICE CODE : XZ
FINANCIAL TRANSACTION CARD ORIGINATED MESSAGES - PART 1 MESSAGES, DATA ELEMENTS AND CODE VALUES

ES 7812-1 : 2017 2 EDITION 7 P PRICE CODE : D
IDENTIFICATION CARDS - IDENTIFICATION OF ISSUERS - PART 1 NUMBERING SYSTEM

ES 7812-2 : 2017 2 EDITION 12 P PRICE CODE : F
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ES ISO 14817-2 : 2017  
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ES ISO 14816 : 2017  
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ES ISO 14819-1 : 2017  
INTELLIGENT TRANSPORT SYSTEMS - TRAFFIC AND TRAVEL INFORMATION MESSAGES VIA TRAFFIC MESSAGE CODING - PART 1 CODING PROTOCOL FOR RADIO DATA SYSTEM - TRAFFIC MESSAGE CHANNEL (RDS-TMC) USING ALERT-C

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ES ISO 13140-2 : 2017  
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ES ISO 3603 : 2011  
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ES ISO 2784 : 2016  
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ES 6523-2 : 2011 (R 2017)  
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### 35.240.99 IT Applications in Other Fields

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### 35.260 Office Machines

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### PHOTOGRAPHIC CHEMICALS

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### MOTION PICTURE EQUIPMENT

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ES ISO 11452-1 : 2014  1 EDITION  23 P  PRICE CODE : L
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ES ISO 11451-1 : 2014  1 EDITION  18 P  PRICE CODE : J
ROAD VEHICLES -VEHICLE TEST METHODS FOR ELECTRICAL DISTURBANCES FROM NARROWBAND RADIATED ELECTROMAGNETIC ENERGY - PART 1 GENERAL PRINCIPLES AND TERMINOLOGY

ES ISO 8820-2 : 2014  1 EDITION  13 P  PRICE CODE : G
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ROAD VEHICLES -VEHICLE TEST METHODS FOR ELECTRICAL DISTURBANCES FROM NARROWBAND RADIATED ELECTROMAGNETIC ENERGY - PART 2 OFF-VEHICLE RADIATION SOURCES

ES ISO 11451-3 : 2014  1 EDITION  21 P  PRICE CODE : L
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ES ISO 11452-1 : 2014  1 EDITION  7 P  PRICE CODE : D
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43.080.01 COMMERCIAL VEHICLES IN GENERAL

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43.100 PASSENGER CARS, CARAVANS AND LIGHT TRAILERS *ROAD VEHICLE SYSTEMS, SEE 43.040 *TYRES FOR ROAD VEHICLES,

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45.060.01 RAILWAY ROLLING STOCK IN GENERAL

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77.080.20 STEELS

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<td>COTTON FIBRES - TEST METHOD FOR SUGAR CONTENT - SPECTROPHOTOMETRY</td>
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**ES 150 : 2001 (R 2018)**

*1 EDITION* 6 P

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COTTON FIBERS - DETERMINATION OF MOISTURE

**ES 6285 : 2018**

*1 EDITION* 4 P

**PRICE CODE : B**

STANDARD PRACTICE FOR- QUALIFICATION OF COTTON CLASSIFICATION INSTRUMENTS FOR COTTON MARKETING

**ES ISO 17751-2 : 2017**

*2 EDITION* 48 P

**PRICE CODE : T**

TEXTILES - QUANTITATIVE ANALYSIS OF CASHMERE, WOOL, OTHER SPECIALTY ANIMAL FIBERS AND THEIR BLENDS - PART 2 SCANNING ELECTRON MICROSCOPY METHOD

**ES ISO 12027 : 2013 (R 2018)**

*1 EDITION* 8 P

**PRICE CODE : D**

TEXTILES - COTTON-FIBR STICKINESS -DETECTION OF SUGAR BY COLOUR REACTION

**ES ISO 2403 : 2015**

*2 EDITION* 7 P

**PRICE CODE : D**

TEXTILES-COTTON FIBRES-DETERMINATION OF MICRONAIRE VALUE

**ES ISO 17751-1 : 2017**

*2 EDITION* 41 P

**PRICE CODE : S**

TEXTILES - QUANTITATIVE ANALYSIS OF CASHMERE, WOOL, OTHER SPECIALTY ANIMAL FIBRES AND THEIR BLENDS-PART1LIGHT MICROSCOPY METHOD

**ES CHS 270 : 2015**

*1 EDITION* 2 P

**PRICE CODE : A**

WOOL - DETERMINATION OF PERCENTAGE OF MEDULLATED FIBRES BY THE PROJECTION MICROSCOPE

**ES CHS 264 : 2015**

*1 EDITION* 6 P

**PRICE CODE : C**

TEXTILES - COTTON FIBRES - EVALUATION OF MATURITY BY THE AIR FLOW METHOD

**ES CHS 269 : 2015**

*1 EDITION* 11 P

**PRICE CODE : F**

TEXTILES - DETERMINATION OF FINENESS OF FLAX FIBRES - PERMEAMETRIC METHODS

**ES ISO 105-A03 : 2005 (R 2018)**

*1 EDITION* 2 P

**PRICE CODE : A**

TEXTILES TESTS FOR COLOR FASTNESS PART A03 GREY SCALE FOR ASSESSING STAINING

**ES 6287 : 2018**

*1 EDITION* 5 P

**PRICE CODE : C**

STANDARD TEST METHOD FOR LENGTH AND LENGTH UNIFORMITY OF COTTON FIBERS BY PHOTOELECTRIC MEASUREMENT

**ES ISO 18596 : 2017**

*1 EDITION* 7 P

**PRICE CODE : D**

TEST METHOD FOR STAPLE LENGTH OF DEHAIRLED CASHMERE - HAND-ARRANGING METHOD

**ES CHS 262-3 : 2015**

*1 EDITION* 2 P

**PRICE CODE : A**

BALES - PART 3 BALES OF COTTON - PACKAGING AND LABELING

**ES CHS 262-2 : 2015**

*1 EDITION* 3 P

**PRICE CODE : B**

BALES -PART 2 BALES OF MAN-MADE STAPLE FIBRES - DIMENSIONS
ES 3330 : 2007 (R 2018)  
**1 EDITION**  14 P  
**PRICE CODE : G**

EVALUATION OF STRENGTH AND SHADE OF FAST BASES BY DYEING TEST

ES ISO 105-B05 : 2013 (R 2018)  
**1 EDITION**  3 P  
**PRICE CODE : B**

TEXTILES - TESTS FOR COLOUR FASTNESS - PART B05 DETECTION AND ASSESSMENT OF PHOTOCHROMISM

ES ISO 105-C12 : 2013 (R 2018)  
**1 EDITION**  7 P  
**PRICE CODE : D**

TEXTILES - TESTS FOR COLOUR FASTNESS - PART C12 COLOUR FASTNESS TO INDUSTRIAL LAUNDERING

ES ISO 105-B03 : 2013 (R 2018)  
**1 EDITION**  6 P  
**PRICE CODE : C**

TEXTILES - TESTS FOR COLOUR FASTNESS - PART B03 COLOUR FASTNESS TO WEATHERING OUTDOOR EXPOSURE

ES ISO 105-B04 : 2013 (R 2018)  
**1 EDITION**  8 P  
**PRICE CODE : D**

TEXTILES - TESTS FOR COLOUR FASTNESS - PART B04 COLOUR FASTNESS TO ARTIFICIAL WEATHERING XENON ARC FADING LAMP TEST

ES ISO 105-C16 : 2013 (R 2018)  
**1 EDITION**  6 P  
**PRICE CODE : C**

TEXTILES - TESTS FOR COLOUR FASTNESS - PART C16 COLOUR FASTNESS TO WASHING WITH SOAP OR SOAP AND SODA

ES ISO 105-C09 : 2013 (R 2018)  
**1 EDITION**  10 P  
**PRICE CODE : E**

TEXTILES - TESTS FOR COLOUR FASTNESS - PART C09 COLOUR FASTNESS TO DOMESTIC AND COMMERCIAL LAUNDERING-OXIDATIVE BLEACH RESPONSE USING A NON-PHOSPHATE REFERENCE DETERGENT INCORPORATING A LOW TEMPERATURE BLEACH ACTIVATOR

ES ISO 105-B10 : 2013 (R 2018)  
**1 EDITION**  13 P  
**PRICE CODE : G**

TEXTILES - TESTS FOR COLOUR FASTNESS - PART B10 ARTIFICIAL WEATHERING - EXPOSURE TO FILTERED XENON-ARC RADIATION

ES ISO 105-C08 : 2013 (R 2018)  
**1 EDITION**  8 P  
**PRICE CODE : D**

TEXTILES - TESTS FOR COLOUR FASTNESS - PART C08 COLOUR FASTNESS TO DOMESTIC AND COMMERCIAL LAUNDERING USING A NON-PHOSPHATE REFERENCE DETERGENT INCORPORATING A LOW-TEMPERATURE BLEACH ACTIVATOR

ES ISO 105-C06 : 2013 (R 2018)  
**1 EDITION**  9 P  
**PRICE CODE : E**

TEXTILES - TESTS FOR COLOUR FASTNESS - PART C06 COLOUR FASTNESS TO DOMESTIC AND COMMERCIAL LAUNDERING

ES ISO 105-C07 : 2013 (R 2018)  
**1 EDITION**  3 P  
**PRICE CODE : B**

TEXTILES - TESTS FOR COLOUR FASTNESS - PART C07 COLOUR FASTNESS TO WET SCRUBBING OF PIGMENT PRINTED TEXTILES

ES ISO 105-B07 : 2013 (R 2018)  
**1 EDITION**  5 P  
**PRICE CODE : C**

TEXTILES - TESTS FOR COLOUR FASTNESS - PART B07 COLOUR FASTNESS TO LIGHT OF TEXTILES WETTED WITH ARTIFICIAL PERSPIRATION
ES ISO 105-A01: 2013 (R 2018)  1 EDITION 10 P  PRICE CODE: E
TEXTILES - TESTS FOR COLOUR FASTNESS - PART A01 GENERAL PRINCIPLES OF TESTING

ES ISO 18695 : 2013 (R 2018)  1 EDITION 6 P  PRICE CODE: C
TEXTILES - DETERMINATION OF RESISTANCE TO WATER PENETRATION - IMPACT PENETRATION TEST

ES ISO 18696 : 2013 (R 2018)  1 EDITION 5 P  PRICE CODE: C
TEXTILES - DETERMINATION OF RESISTANCE TO WATER ABSORPTION - TUMBLE-JAR ABSORPTION TEST

ES ISO 18782 : 2017  1 EDITION 16 P  PRICE CODE: H
TEXTILES - DETERMINATION OF DYNAMIC HYGROSCOPIC HEAT GENERATION

ES ISO 20645 : 2017  1 EDITION 8 P  PRICE CODE: D
TEXTILE FABRICS - DETERMINATION OF ANTIBACTERIAL ACTIVITY - AGAR DIFFUSION PLATE TEST

ES ISO 20743 : 2017  1 EDITION 32 P  PRICE CODE: P
TEXTILES - DETERMINATION OF ANTIBACTERIAL ACTIVITY OF TEXTILE PRODUCTS

ES ISO 22958 : 2013 (R 2018)  1 EDITION 7 P  PRICE CODE: D
TEXTILES - WATER RESISTANCE - RAIN TESTS EXPOSURE TO A HORIZONTAL WATER SPRAY

ES ISO 105-A02: 2005 (R 2018)  1 EDITION 2 P  PRICE CODE: A
TEXTILES - TESTS FOR COLOR FASTNESS PART A02 GREY SCALE FOR ASSESSING CHANGE IN COLOR

TEXTILES - QUALIFICATION SYMBOLS FOR LABELLING WORK WEAR TO BE INDUSTRIALLY LAUNDERED

ES ISO 105-B02: 2015  3 EDITION 36 P  PRICE CODE: R
TEXTILES-TEST FOR COLOUR FASTNESS-PART B02 COLOURFASTNESS TO ARTIFICIAL LIGHT XENON ARC FADING LAMP TEST

ES ISO 105-D01: 2013 (R 2018)  1 EDITION 5 P  PRICE CODE: C
TEXTILES - TESTS FOR COLOUR FASTNESS - PART D01 COLOUR FASTNESS TO DRY CLEANING USING PERCHLORO ETHYLENE SOLVENT

ES ISO 105-A04: 2013 (R 2018)  1 EDITION 2 P  PRICE CODE: A
TEXTILES - TESTS FOR COLOUR FASTNESS - PART A04 METHOD FOR THE INSTRUMENTAL ASSESSMENT OF THE DEGREE OF STAINING OF ADJACENT FABRICS

ES ISO 105-A05: 2013 (R 2018)  1 EDITION 5 P  PRICE CODE: C
TEXTILES - TESTS FOR COLOUR FASTNESS - PART A05 INSTRUMENTAL ASSESSMENT OF CHANGE IN COLOUR FOR DETERMINATION OF GREY SCALE RATING

ES ISO 105-A06: 2013 (R 2018)  1 EDITION 4 P  PRICE CODE: B
TEXTILES - TESTS FOR COLOUR FASTNESS - PART A06 INSTRUMENTAL DETERMINATION OF 1/1 STANDARD DEPTH OF COLOUR

2020 ETHIOPIAN STANDARDS CATALOGUE  ESA is Certified to ISO 9001:2015
ES ISO 105-A11: 2015 1 EDITION 16 P PRICE CODE: H
TEXTILES - TESTS FOR COLOUR FASTNESS PART A11 DETERMINATION OF COLOUR FASTNESS GRADES BY DIGITAL IMAGING TECHNIQUES

ES ISO 105-B01: 2015 2 EDITION 13 P PRICE CODE: G
TEXTILES - TESTS FOR COLOUR FASTNESS - PART B 01 COLOUR FASTNESS TO LIGHT DAY LIGHT

ES ISO 23232 : 2013 (R 2018) 1 EDITION 10 P PRICE CODE: E
TEXTILES - AQUEOUS LIQUID REPELLENCY - WATER/ALCOHOL SOLUTION RESISTANCE TEST

ES ISO 105-G01: 2018 2 EDITION 10 P PRICE CODE: E
TEXTILES- TESTS FOR COLOUR FASTNESS- PART G01 COLOUR FASTNESS TO NITROGEN OXIDES

TEXTILES - TESTS FOR COLOUR FASTNESS - PART E13 COLOUR FASTNESS TO ACID-FELTING SEVERE

ES ISO 10458 : 2016 1 EDITION 2 P PRICE CODE: A
TEXTILE MACHINERY -SQUARE BARS FOR WINDING DEVICES RELATING TO DYEING AND FINISHING MACHINES -DIMENSIONS

ES ISO 105-F05 : 2014 1 EDITION 3 P PRICE CODE: B
TEXTILES-TESTSFORCOLOURFASTNESS-PARTF05 SPECIFICATION FOR ACRYLIC ADJACENT FABRIC

ES ISO 10528 : 2013 (R 2018) 1 EDITION 4 P PRICE CODE: B
TEXTILES - COMMERCIAL LAUNDERING PROCEDURE FOR TEXTILE FABRICS PRIOR TO FLAMMABILITY TESTING

ES ISO 105-F06 : 2014 1 EDITION 4 P PRICE CODE: B
TEXTILES-TESTS FOR COLOUR FASTNESS-PARTF06 SPECIFICATION FOR SILK ADJACENT FABRIC

ES ISO 105-F07 : 2014 1 EDITION 3 P PRICE CODE: B
TEXTILES-TESTS FOR COLOUR FASTNESS-PARTF 07 SPECIFICATION FOR SECONDARY ACETATE ADJACENT FABRIC

ES ISO 105-F03 : 2014 1 EDITION 3 P PRICE CODE: B
TEXTILES-TESTS FOR COLOUR FASTNESS-PARTF03 SPECIFICATION FOR POLYAMIDE ADJACENT FABRIC

ES ISO 105-F10 : 2014 1 EDITION 6 P PRICE CODE: C
TEXTILES - TESTS FOR COLOUR FASTNESS -PART F10 SPECIFICATION FOR ADJACENT FABRIC MULTIFIBRE

ES ISO 105-F02 : 2014 1 EDITION 4 P PRICE CODE: B
TEXTILES - TESTS FOR COLOUR FASTNESS - PART F02 SPECIFICATION FOR COTTON AND VISCOSE ADJACENT FABRICS

ES ISO 105-G02 : 2014 1 EDITION 8 P PRICE CODE: D
TEXTILES - TESTS FOR COLOUR FASTNESS - PART G02 COLOUR FASTNESS TO BURNT-GAS FUMES
ES ISO 105-F04: 2014  
1 EDITION 3 P PRICE CODE: B
TEXTILES-TESTS FOR COLOUR FASTNESS-PART F04 SPECIFICATION FOR POLYESTER ADJACENT FABRIC

ES ISO 105-E08: 2014  
1 EDITION 4 P PRICE CODE: B
TEXTILES - TESTS FOR COLOUR FASTNESS - PART E08 COLOUR FASTNESS TO HOT WATER

ES ISO 105-D02: 2018  
2 EDITION 3 P PRICE CODE: B
TEXTILES - TESTS FOR COLOUR FASTNESS - PART D02 COLOUR FASTNESS TO RUBBING ORGANIC SOLVENTS

ES ISO 105-E10: 2014  
1 EDITION 3 P PRICE CODE: B
TEXTILES - TESTS FOR COLOUR FASTNESS - PART E10 COLOUR FASTNESS TO DECATIZING

ES ISO 105-E11: 2014  
1 EDITION 2 P PRICE CODE: A
TEXTILES - TESTS FOR COLOUR FASTNESS - PART E11 COLOUR FASTNESS TO STEAMING

ES ISO 105-E12: 2014  
EDITION 6 P PRICE CODE: C
TEXTILES - TESTS FOR COLOUR FASTNESS -PART E12 COLOUR FASTNESS TO MILLING ALKALINE MILLING

ES ISO 105-E14: 2014  
1 EDITION 2 P PRICE CODE: A
TEXTILES - TESTS FOR COLOUR FASTNESS - PART E14 COLOUR FASTNESS TO ACID-FELTING MILD

ES ISO 2913 : 2016  
1 EDITION 4 P PRICE CODE: B
WOOL -COLORIMETRIC DETERMINATION OF CYSTINE PLUS CYSTEINE IN HYDROLYSATES

ES ISO 105-E16: 2014  
1 EDITION 5 P PRICE CODE: C
TEXTILES - TESTS FOR COLOUR FASTNESS - PART E16 COLOUR FASTNESS TO WATER SPOTTING ON UPHOLSTERY FABRICS

ES ISO 105-F01: 2014  
1 EDITION 4 P PRICE CODE: B
TEXTILES-TESTS FOR COLOUR FASTNESS-PART F01 SPECIFICATION FOR WOOL ADJACENT FABRIC

ES ISO 105-E07: 2014  
1 EDITION 3 P PRICE CODE: B
TEXTILES - TESTS FOR COLOUR FASTNESS - PART E07 COLOUR FASTNESS TO SPOTTING WATER

ES 6268 : 2018  
1 EDITION 4 P PRICE CODE: B
STANDARD TERMINOLOGY RELATING TO CARE LABELING FOR APPAREL, TEXTILE, HOME FURNISHING ,AND LEATHER PRODUCTS

ES 2743 : 2005 (R 2018)  
1 EDITION 7 P PRICE CODE: D
TEXTILES – ESTIMATION OF COMMON PRESERVATIVES - PART 2

ES 3331 : 2007 (R 2018)  
1 EDITION 4 P PRICE CODE: B
METHOD FOR EVALUATING STRENGTH OF REACTIVE DYRES (DICHLOROTIAZINYL TYPE) BY DYEING TEST
ES 3332 : 2007 (R 2018)  1 EDITION  4 P  PRICE CODE : B
METHOD FOR EVALUATING STRENGTH OF REACTIVE DYES (VINYL SULPHONE TYPE) BY DYEING TEST

ES 3327 : 2007 (R 2018)  1 EDITION  6 P  PRICE CODE : C
METHOD FOR EVALUATION OF STRENGTH AND SHADE OF NAPHTHOL

ES 3318 : 2007 (R 2018)  1 EDITION  5 P  PRICE CODE : C
METHOD FOR EVALUATION OF STRENGTH AND SHADE OF PIGMENT DISPERSION BY PRINTING METHOD

ES 3326 : 2007 (R 2018)  1 EDITION  8 P  PRICE CODE : D
METHOD FOR IDENTIFICATION OF APPLICATION CLASSES OR DYES ON TEXTILE MATERIALS PART III MAN - MADE FIBRES

ES 3333 : 2007 (R 2018)  1 EDITION  6 P  PRICE CODE : C
METHOD FOR EVALUATING STRENGTH AND SHADE OF ACID BYES BY DYEING TEST

ES 6267 : 2018  1 EDITION  5 P  PRICE CODE : C
STANDARD TERMINOLOGY RELATING TO APPAREL

ES 3329 : 2007 (R 2018)  1 EDITION  2 P  PRICE CODE : A
METHOD FOR ESTIMATION OF STRENGTH (VAT CONTENT) OF SOLUBILIZED VAT DYESTUFFS

ES 6270 : 2018  1 EDITION  3 P  PRICE CODE : B
STANDARD PERFORMANCE SPECIFICATION FOR MEN’S AND WOMEN’S SLIVER KNITTED OVERCOAT AND JACKET FABRICS

ES 6272 : 2018  1 EDITION  5 P  PRICE CODE : C
STANDARD PERFORMANCE SPECIFICATION FOR MEN’S AND WOMEN’S KNITTED CAREER APPAREL FABRICS DRESS AND VOCATIONAL

ES 6273 : 2018  1 EDITION  4 P  PRICE CODE : B
STANDARD PERFORMANCE SPECIFICATION FOR WOVEN FLAT LINING FABRICS FOR WOMEN’S AND GIRLS’ APPAREL

ES 3353 : 2007 (R 2018)  1 EDITION  11 P  PRICE CODE : F
TEXTILE AUXILIARIES – DIMETHYLOL ETHYLENE UREA (DMEU) REACTANT SPECIFICATION

ES 3352 : 2007 (R 2018)  1 EDITION  14 P  PRICE CODE : G
TEXTILE AUXILIARIES – DIMETHYLOL DIHYDROXY ETHYLENE UREA (DMDHEU) REACTANT – SPECIFICATION

ES 6280 : 2018  1 EDITION  4 P  PRICE CODE : B
STANDARD PERFORMANCE SPECIFICATION FOR RAINWEAR AND ALL-PURPOSE, WATER-REPELLENT COAT FABRICS

ES 6266 : 2018  1 EDITION  10 P  PRICE CODE : E
STANDARD TERMINOLOGY RELATING TO FASTENERS AND CLOSURES USED WITH TEXTILES
ES 2738 : 2005 (R 2018)  
1 EDITION 6 P  
PRICE CODE : C
METHOD FOR DETERMINATION OF CHLORIDE CONTENT OF TEXTILE MATERIALS

ES ISO 4880 : 2013 (R 2018)  
1 EDITION 13 P  
PRICE CODE : G
BURNING BEHAVIOUR OF TEXTILES AND TEXTILE PRODUCTS - VOCABULARY

ES 3981 : 2016  
1 EDITION 4 P  
PRICE CODE : B
STANDARD PERFORMANCE SPECIFICATION FOR TOWEL PRODUCTS FOR INSTITUTIONAL AND HOUSEHOLD USE

ES ISO 3998 : 2013 (R 2018)  
1 EDITION 5 P  
PRICE CODE : C
TEXTILES - DETERMINATION OF RESISTANCE TO CERTAIN INSECT PESTS

ES 3840 : 2015  
1 EDITION 3 P  
PRICE CODE : B
STANDARD PERFORMANCE SPECIFICATION FOR BLANKET PRODUCTS FOR INSTITUTIONAL AND HOUSEHOLD USE

ES ISO 3758 : 2013 (R 2018)  
2 EDITION 22 P  
PRICE CODE : L
TEXTILES - CARE LABELLING CODE USING SYMBOLS

ES ISO 4915 : 2013 (R 2018)  
1 EDITION 48 P  
PRICE CODE : T
TEXTILES - STITCH TYPES - CLASSIFICATION AND TERMINOLOGY

ES 3334 : 2007 (R 2018)  
1 EDITION 6 P  
PRICE CODE : C
METHOD FOR EVALUATING STRENGTH AND SHADE OF CHROME DYES BY DYEING TEST

ES 3443 : 2009 (R 2015)  
1 EDITION 4 P  
PRICE CODE : B
SPECIFICATION FOR TEXTILE LABELS REQUIRING TO BE WASHED AND/OR DRY CLEANED

ES 3349 : 2007 (R 2018)  
1 EDITION 14 P  
PRICE CODE : G
TEXTILE DYESTUFFS-IDENTIFICATION OF APPLICATION CLASSES OF DYESTUFFS IN SUBSTANCE

ES 3339 : 2007 (R 2018)  
1 EDITION 4 P  
PRICE CODE : B
METHOD FOR DETERMINATION OF STRENGTH OF DISPERSE DYES FOR POLYESTER BY EXHAUST DYEING

ES 3320 : 2007 (R 2018)  
1 EDITION 4 P  
PRICE CODE : B
METHOD FOR DETERMINATION OF STRENGTH OF FAST BASES

ES 3321 : 2007 (R 2018)  
1 EDITION 6 P  
PRICE CODE : C
METHOD FOR DETERMINATION OF STRENGTH OF HOMOGENEOUS VAT DYESTUFFS

ES 3319 : 2007 (R 2018)  
1 EDITION 6 P  
PRICE CODE : C
METHOD FOR DETERMINATION OF STRENGTH OF WATER SOLUBLE AZO DYES BY REDUCTION WITH TITANIUM TRICHLORIDE

ES 2737 : 2005 (R 2014)  
1 EDITION 4 P  
PRICE CODE : B
METHOD FOR DETERMINATION OF SULPHATE CONTENT IN TEXTILE MATERIALS
ES 2744 : 2005 (R 2014) 1 EDITION 13 P PRICE CODE : G
METHOD FOR ESTIMATION OF COMMON PRESERVATIVES ON TEXTILES – PART 1

ES ISO 4916 : 2013 (R 2018) 1 EDITION 64 P PRICE CODE : V
TEXTILES - SEAM TYPES - CLASSIFICATION AND TERMINOLOGY

ES ISO 15496 : 2013 (R 2018) 1 EDITION 13 P PRICE CODE : G
TEXTILES - MEASUREMENT OF WATER VAPOUR PERMEABILITY OF TEXTILES FOR THE PURPOSE OF QUALITY CONTROL

ES ISO 2916 : 2013 (R 2018) 1 EDITION 3 P PRICE CODE : B
WOOL - DETERMINATION OF ALKALI CONTENT

ES ISO 2915 : 2016 1 EDITION 5 P PRICE CODE : C
WOOL - DETERMINATION OF CYSTEIC ACID CONTENT OF WOOL HYDROLYSATES BY PAPER ELECTROPHORESIS AND COLORIMETRY

ES ISO 105-B08 : 2013 (R 2018) 1 EDITION 8 P PRICE CODE : D
TEXTILES K TESTS FOR COLOUR FASTNESS - PART B08 QUALITY CONTROL OF BLUE WOOL REFERENCE MATERIALS 1 TO 7

ES 2745 : 2005 (R 2018) 1 EDITION 7 P PRICE CODE : D
TEXTILES – ESTIMATION OF MOISTURE, TOTAL SIZE OR FINISH, ASH AND FATTY MATTER IN GREY AND FINISHED COTTON TEXTILE MATERIALS

ES ISO 105-N01 : 2015 1 EDITION 2 P PRICE CODE : A
TEXTILES - TESTS FOR COLOUR FASTNESS -PART N01 COLOUR FASTNESS TO BLEACHING HYPOCHLORITE

ES ISO 12116 : 2016 1 EDITION 7 P PRICE CODE : D
TEXTILES - METHODS OF SIMULATING COLOUR CHANGE DURING ACTUAL WEAR BY MEANS OF LABORATORY COLOUR-FASTNESS TESTS

ES 3351 : 2007 (R 2018) 1 EDITION 11 P PRICE CODE : F
TEXTILE AUXILIARIES – UREA FORMALDEHYDE RESIN – SPECIFICATION

ES ISO 15487 : 2016 1 EDITION 12 P PRICE CODE : F
TEXTILES - METHOD FOR ASSESSING APPEARANCE OF APPAREL AND OTHER TEXTILE END PRODUCTS AFTER DOMESTIC WASHING AND DRYING

ES ISO 3074 : 2015 2 EDITION 4 P PRICE CODE : B
WOOL - DETERMINATION OF DICHLOROMETHANE- SOLUBLE MATTER IN COMBED SLIVER

ES ISO 15625 : 2016 (R 2018) 1 EDITION 15 P PRICE CODE : H
SILK-ELECTRONIC TEST METHOD FOR DEFECTS AND EVENNES OF RAW SILK

ES ISO 15797 : 2013 (R 2018) 1 EDITION 15 P PRICE CODE : H
TEXTILES - INDUSTRIAL WASHING AND FINISHING PROCEDURES FOR TESTING OF WORK WEAR
ES ISO 16323 : 2017 1 EDITION 28 P PRICE CODE : N
TEXTILES - THREE-DIMENSIONAL MEASURING APPARATUS FOR FABRIC APPEARANCE

ES ISO 16533 : 2016 1 EDITION 13 P PRICE CODE : G
TEXTILES - MEASUREMENT OF EXOTHERMIC AND ENDOOTHERMIC PROPERTIES OF TEXTILES UNDER HUMIDITY CHANGE

ES ISO 17617 : 2016 1 EDITION 24 P PRICE CODE : M
TEXTILES - DETERMINATION OF MOISTURE DRYING RATE

ES ISO 18074 : 2017 1 EDITION 22 P PRICE CODE : L
TEXTILES IDENTIFICATION OF SOME ANIMAL FIBRES BY DNA ANALYSIS METHOD-ASHMERE, WOOL, YAK AND THEIR BLENDS

ES ISO 14419 : 2013 (R 2018) 1 EDITION 7 P PRICE CODE : D
TEXTILES - OIL REPELLENCE - HYDROCARBON RESISTANCE TEST

ES 3323 : 2007 (R 2018) 1 EDITION 5 P PRICE CODE : C
METHODS FOR DETERMINATION OF STRENGTH OF NAPHTHOLS (AZOIC COUPLING COMPONENTS) (GRAVIMETRIC AND VOLUMETRIC METHODS)

ES ISO 18184 : 2016 1 EDITION 42 P PRICE CODE : S
TEXTILES - DETERMINATION OF ANTIVIRAL ACTIVITY OF TEXTILE PRODUCTS

ES 3348 : 2007 (R 2018) 1 EDITION 4 P PRICE CODE : B
TEXTILE DYESTUFFS – C.I. FLOURESCENT BRIGHTENER 199 – SPECIFICATION

ES 3347 : 2007 (R 2018) 1 EDITION 4 P PRICE CODE : B
TEXTILE DYESTUFFS – C.I. DISPERSE BLUE 94 – SPECIFICATION

ES 3346 : 2007 (R 2018) 1 EDITION 4 P PRICE CODE : B
TEXTILE DYESTUFFS – C.I. DISPERSE BLUE 87 – SPECIFICATION

ES 3345 : 2007 (R 2018) 1 EDITION 7 P PRICE CODE : D
TEXTILE DYESTUFF- C.I. REACTIVE RED 2 – SPECIFICATION

ES 3338 : 2007 (R 2018) 1 EDITION 7 P PRICE CODE : D
SPECIFICATION FOR SODIUM ALGINATE FOR TEXTILE INDUSTRY

TEXTILES - DETERMINATION OF PH OF AQUEOUS EXTRACT

ES 3322 : 2007 (R 2018) 1 EDITION 6 P PRICE CODE : C
METHODS FOR DETERMINATION OF STRENGTH OF DIRECT DYESTUFFS BY DYEING TEST

ES ISO 3073 : 2013 (R 2018) 1 EDITION 2 P PRICE CODE : A
WOOL - DETERMINATION OF ACID CONTENT
METHODS FOR EVALUATING STRENGTH OF REACTIVE DYES BY DYEING TEST (TRICHLOROPYRIMIDYL TYPE)

METHODS FOR IDENTIFICATION OF THE APPLICATION CLASSES OF DYES ON TEXTILE MATERIALS PART 1 COTTON AND OTHER CELLULOSIC FIBRES

SANITARY PADS -SPECIFICATION- PART 1 DISPOSABLE

TEXTILES - DETERMINATION OF MASS-VOCABULARY

SPECIFICATION FOR LAUNDRY STARCH

SPECIFICATION FOR DEXTRINS FOR TEXTILE INDUSTRY (INCLUDING BRITISH GUM)

TEXTILE DYESTUFFS – DISPERSIBILITY OF DISPERSE DYES – DETERMINATION

METHODS FOR DETERMINATION OF STRENGTH OF BASIC DYE

TEXTILES - TESTS FOR COLOUR FASTNESS -PART Z08 DETERMINATION OF SOLUBILITY AND SOLUTION STABILITY OF REACTIVE DYES IN THE PRESENCE OF ELECTROLYTES

TEXTILES - TESTS FOR COLOUR FASTNESS -PART X16 COLOUR FASTNESS TO RUBBING - SMALL AREA

TEXTILES - DETERMINATION OF DEODORANT PROPERTY - PART 1 GENERAL PRINCIPLE

TEXTILES - DETERMINATION OF DEODORANT PROPERTY - PART 2 DETECTOR TUBE METHOD

TEXTILES -TESTS FOR COLOUR FASTNESS -PART Z11 EVALUATION OF SPECKINESS OF COLORANT DISPERSIONS

TEXTILES - DETERMINATION OF DEODORANT PROPERTY -PART 4 CONDENSATION SAMPLING ANALYSIS
ES ISO 17299-5 : 2017  1 EDITION  26 P  PRICE CODE : M
TEXTILES - DETERMINATION OF DEODORANT PROPERTY - PART 5 METAL-OXIDE SEMICONDUCTOR SENSOR METHOD

ES ISO 105-Z10 : 2015  1 EDITION  9 P  PRICE CODE : E
TEXTILES - TESTS FOR COLOUR FASTNESS - PART Z10 DETERMINATION OF RELATIVE COLOUR STRENGTH OF DYES IN SOLUTION

ES ISO 17881-2 : 2017  1 EDITION  7 P  PRICE CODE : D
TEXTILES - DETERMINATION OF CERTAIN FLAME RETARDANTS - PART 2 PHOSPHORUS FLAME RETARDANTS

ES ISO 17881-1 : 2017  1 EDITION  8 P  PRICE CODE : D
TEXTILES - DETERMINATION OF CERTAIN FLAME RETARDANTS - PART 1 BROMINATED FLAME RETARDANTS

ES ISO 16373-2 : 2017  1 EDITION  20 P  PRICE CODE : K
TEXTILES - DYESTUFFS - PART 2 GENERAL METHOD FOR THE DETERMINATION OF EXTRACTABLE DYESTUFFS INCLUDING ALLERGENIC AND CARCINOGENIC DYESTUFFS (METHOD USING PYRIDINE-WATER)

ES ISO 105-Z07 : 2015  1 EDITION  4 P  PRICE CODE : B
TEXTILES - TESTS FOR COLOUR FASTNESS - PART Z07 DETERMINATION OF APPLICATION SOLUBILITY AND SOLUTION STABILITY OF WATER-SOLUBLE DYES

ES ISO 105-Z06 : 2015  1 EDITION  7 P  PRICE CODE : D
TEXTILES - TESTS FOR COLOUR FASTNESS - PART Z06 EVALUATION OF DYE AND PIGMENT MIGRATION

ES ISO 105-Z05 : 2015  1 EDITION  11 P  PRICE CODE : F
TEXTILES - TESTS FOR COLOUR FASTNESS - PART Z05 DETERMINATION OF THE DUSTING BEHAVIOUR OF DYES

ES ISO 105-Z04 : 2015  1 EDITION  4 P  PRICE CODE : B
TEXTILES - TESTS FOR COLOUR FASTNESS - PART Z04 DISPERSIBILITY OF DISPERSE DYESTUFFS

ES ISO 105-Z03 : 2015  1 EDITION  3 P  PRICE CODE : B
TEXTILES - TESTS FOR COLOUR FASTNESS - PART Z03 INTERCOMPATIBILITY OF BASIC DYES FOR ACRYLIC FIBRES

ES ISO 105-Z02 : 2015  1 EDITION  2 P  PRICE CODE : A
TEXTILES - TESTS FOR COLOUR FASTNESS - PART Z02 COLOUR FASTNESS TO METALS IN THE DYE-BATH IRON AND TOPPER

ES ISO 105-Z01 : 2015  1 EDITION  2 P  PRICE CODE : A
TEXTILES - TESTS FOR COLOUR FASTNESS - PART Z01 COLOUR FASTNESS TO METALS IN THE DYE-BATH CHROMIUM SALTS

ES ISO 105-X18 : 2015  1 EDITION  4 P  PRICE CODE : B
TEXTILES - TESTS FOR COLOUR FASTNESS - PART X18 ASSESSMENT OF THE POTENTIAL TOPHENOLIC YELLOWING OF MATERIALS
ES ISO 105-Z09 : 2015  
TEXTILES - TESTS FOR COLOUR FASTNESS - PART Z09 DETERMINATION OF COLD WATER SOLUBILITY OF WATER-SOLUBLE DYES

ES ISO 14184-1 : 2016  
TEXTILES - DETERMINATION OF FORMALDEHYDE - PART 1 FREE AND HYDROLYSED FORMALDEHYDE (WATER EXTRACTION METHOD)

ES ISO 13629-1 : 2016  
TEXTILES - DETERMINATION OF ANTIMICROBIAL ACTIVITY OF TEXTILE PRODUCTS - PART 1 LUMINESCENCE METHOD

TEXTILES - DETERMINATION OF ANTIMICROBIAL ACTIVITY OF TEXTILE PRODUCTS - PART 2 PLATE COUNT METHOD

ES ISO 18254-1 : 2017  
TEXTILES - METHOD FOR THE DETECTION AND DETERMINATION OF ALKYLPHENOL ETHOXYLATES (APEO) - PART 1 METHOD USING HPLC-MS

ES ISO 5085-1 : 2002 (R 2018)  
TEXTILE DETERMINATION OF THERMAL RESISTANCE - PART 1 LOW THERMAL RESISTANCE

ES ISO 12945-3 : 2016  
TEXTILES - DETERMINATION OF THE FABRIC PROPENSITY TO SURFACE PILLING, FUZZING OR MATTING - PART 3 RANDOM TUMBLE PILLING METHOD

ES ISO 12945-2 : 2012 (R 2017)  
TEXTILES - DETERMINATION OF FABRIC PROPENSITY TO SURFACE FUZZING AND TO PILLING - PART 2 MODIFIED MARTINDALE METHOD

ES ISO 105-B06 : 2013 (R 2018)  
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ES ISO 16373-3 : 2017  
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ES ISO 12945-1 : 2012 (R 2017)  
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ES ISO 17299-3 : 2017  
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TEXTILES-PROFESSIONAL CARE, DRYCLEANING AND WETCLEANING OF FABRICS AND GARMENTS PART 1 ASSESSMENT OF PERFORMANCE AFTER CLEANING AND FINISHING

ES ISO 105-N04: 2015
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TEXTILES - TESTS FOR COLOUR FASTNESS - PART N04 COLOUR FASTNESS TO BLEACHING SODIUM CHLORITE (SEVERE)

ES ISO 105-X11: 2014
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ES ISO 105-X09: 2015
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ES ISO 105-A08: 2013 (R 2018)
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TEXTILES - TESTS FOR COLOUR FASTNESS - PART A08 VOCABULARY USED IN COLOUR MEASUREMENT

59.080.20 YARNS

ES ISO 10290 : 2013 (R 2018)
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TEXTILES - COTTON YARNS – SPECIFICATIONS

ES ISO 6741-4 : 2014
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TEXTILES - FIBRES AND YARNS - DETERMINATION OF COMMERCIAL MASS OF CONSIGNMENTS - PART 4 VALUES USED FOR THE COMMERCIAL ALLOWANCES AND THE COMMERCIAL MOISTURE REGAINS

ES 128 : 2001 (R 2014)
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ES 6181 : 2018
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STANDARD TEST METHOD FOR TENSION STRENGTH OF SEW-THROUGH FLANGE BUTTONS

ES ISO 10132 : 2014
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TEXTILES-TEXTURED FILAMENT YARN-DEFINITION

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TEXTILES - SYNTHETIC FILAMENT YARNS - DETERMINATION OF SHRINKAGE IN DRY-HOT AIR (AFTER TREATMENT)

ES ISO 18066 : 2016
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ES 6089 : 2017
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ES 3905 : 2015  1 EDITION  6 P  PRICE CODE : C
STANDARD TEST METHOD FOR COEFFICIENT OF FRICTION, YARN TO SOLID MATERIAL

ES 6088 : 2017  1 EDITION  3 P  PRICE CODE : B
STANDARD PERFORMANCE SPECIFICATION FOR WOVEN NECKTIE AND SCARF FABRICS

TEXTILES - DETERMINATION OF TWIST IN SINGLE SPUN YARNS - UNTWIST/RETWIST METHOD

ES ISO 8160 : 2014  1 EDITION  2 P  PRICE CODE : A
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ES 6090 : 2017  1 EDITION  3 P  PRICE CODE : B
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ES 924 : 2003 (R 2014)  1 EDITION  7 P  PRICE CODE : D
METHODS OF TEST FOR POLYOLEFIN TAPE YARNS

ES ISO 6939 : 2014  1 EDITION  4 P  PRICE CODE : B
TEXTILES - YARNS FROM PACKAGES - METHOD OF TEST FOR BREAKING STRENGTH OF YARN BY THE SKEIN METHOD

ES 6290 : 2018  1 EDITION  11 P  PRICE CODE : F
STANDARD TERMINOLOGY RELATED TO YARNS AND FIBERS

ES 2742 : 2005 (R 2014)  1 EDITION  4 P  PRICE CODE : B
METHOD FOR DESIGNATION OF TICKET NUMBERS OF INDUSTRIAL SEWING THREADS

ES 6289 : 2018  1 EDITION  6 P  PRICE CODE : C
STANDARD TERMINOLOGY FOR YARN SPINNING SYSTEMS

ES ISO 1139 : 2014  1 EDITION  5 P  PRICE CODE : C
TEXTILES - DESIGNATION OF YARNS

ES 6277 : 2018  1 EDITION  3 P  PRICE CODE : B
STANDARD TEST METHOD FOR CLASSIFYING AND COUNTING FAULTS IN SPUN YARNS IN ELECTRONIC TESTS

ES 3904 : 2015  1 EDITION  12 P  PRICE CODE : F
STANDARD TABLES OF CONVERSION FACTORS AND EQUIVALENT YARN NUMBERS MEASURED IN VARIOUS NUMBERING SYSTEMS

ES ISO 2061 : 2018  2 EDITION  13 P  PRICE CODE : G
TEXTILES - DETERMINATION OF TWIST IN YARNS - DIRECT COUNTING METHOD

ES 130 : 2001 (R 2014)  2 EDITION  4 P  PRICE CODE : B
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ES ISO 13936-3 : 2015  | 1 EDITION  | 12 P  | PRICE CODE : F
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TEXTILES- TEAR PROPERTIES OF FABRICS- PART 1 DETERMINATION OF TEAR FORCE USING BALLISTIC PENDULUM METHOD (ELMENDORF)

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ES ISO 9073-9 : 2015  | 1 EDITION  | 12 P  | PRICE CODE : F
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ES ISO 18080-1 : 2017  | 1 EDITION  | 16 P  | PRICE CODE : H
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ES ISO 13015 : 2015  | 1 EDITION  | 10 P  | PRICE CODE : E
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ES ISO 9073-7 : 2006 (R 2018)  | 1 EDITION  | 5 P  | PRICE CODE : C
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59.120.30  LOOMS, WEAVING MACHINES

ES ISO 11677-3 : 2017  1 EDITION  2 P  PRICE CODE : A
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ES ISO 8118-1 : 2017  1 EDITION  4 P  PRICE CODE : B
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ES ISO 8118-2 : 2017  1 EDITION  3 P  PRICE CODE : B
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ES ISO 10787-1 : 2017  1 EDITION  8 P  PRICE CODE : D
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ES ISO 6177 : 2017  1 EDITION  4 P  PRICE CODE : B
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ES ISO 10787-2 : 2017  1 EDITION  7 P  PRICE CODE : D
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ES ISO 2012 : 2015 1 EDITION 1 P PRICE CODE : A
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ES ISO 15228 : 2017 1 EDITION 4 P PRICE CODE : B
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ES ISO 108 : 2015 1 EDITION 1 P PRICE CODE : A
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ES ISO 11111-6 : 2015 1 EDITION 24 P PRICE CODE : M
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ES ISO 9473-1 : 2017 1 EDITION 3 P PRICE CODE : B
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ES ISO 2748 : 2015 1 EDITION 2 P PRICE CODE : A
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ES ISO 9473-2 : 2017 1 EDITION 4 P PRICE CODE : B
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ES ISO 7506 : 2017 1 EDITION 9 P PRICE CODE : E
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ES ISO 9902-5 : 2015 1 EDITION 7 P PRICE CODE : D
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ES ISO 9902-6 : 2017 1 EDITION 16 P PRICE CODE : H
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ES ISO 142 : 2015 1 EDITION 2 P PRICE CODE : A
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ES ISO 11677-2 : 2017  1 EDITION  2 P  PRICE CODE : A
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ES ISO 5247-1 : 2014  1 EDITION  12 P  PRICE CODE : F
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59.120.40  KNITTING MACHINES

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ES ISO 13990-1 : 2014  1 EDITION  19 P  PRICE CODE : K
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ES ISO 7839 : 2014  1 EDITION  7 P  PRICE CODE : D
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ES ISO 8117 : 2015  1 EDITION  2 P  PRICE CODE : A
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ES ISO 10223 : 2015
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ES ISO 8640-4 : 2014  
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ES ISO 6178 : 2017  
**CENTRIFUGES - CONSTRUCTION AND SAFETY RULES - METHOD FOR THE CALCULATION OF THE TANGENTIAL STRESS IN THE SHELL OF A CYLINDRICAL CENTRIFUGE ROTOR**

ES ISO 9902-7 : 2017  
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ES ISO 11111-7 : 2017  
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ES ISO 5250 : 2014  
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ES ISO 5249 : 2014  
**TEXTILE MACHINERY AND ACCESSORIES - GUIDE ROLLERS FOR DYEING AND FINISHING MACHINERY - MAIN DIMENSIONS**

ES ISO 10457 : 2017  
**TEXTILE MACHINERY - DYEING AND FINISHING MACHINES - NOMINAL SPEEDS**

ES ISO 5248 : 2014  
**TEXTILE MACHINERY AND ACCESSORIES - DYEING AND FINISHING MACHINERY - VOCABULARY OF ANCILLARY DEVICES**

ES ISO 1505 : 2014  
**TEXTILE MACHINERY - WIDTHS RELATING TO DYEING AND FINISHING MACHINES - DEFINITIONS AND RANGE OF NOMINAL WIDTHS**

ES ISO 10459 : 2014  
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ES ISO 22776 : 2012 (R 2017)  1 EDITION  9 P  PRICE CODE : E
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ES ISO 8239 : 2009 (R 2015)  1 EDITION  4 P  PRICE CODE : B
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ES 3924-12 : 2015 1 EDITION 4 P PRICE CODE : B
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ES 3924-15 : 2015 1 EDITION 7 P PRICE CODE : D
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ES 3924-18 : 2015 1 EDITION 4 P PRICE CODE : B
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ES 4067 : 2016 1 EDITION 4 P PRICE CODE : B
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ES 4068 : 2016 1 EDITION 3 P PRICE CODE : B
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ES 3924-4 : 2015 1 EDITION 4 P PRICE CODE : B QUALITY DECLARED SEED (QDS) - FABA BEAN – SPECIFICATION

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ES 3924-34 : 2015 1 EDITION 4 P PRICE CODE : B QUALITY DECLARED SEED (QDS) - OPEN POLLINATED ALFALFA - SPECIFICATION

ES 3390 : 2007 (R 2017) 1 EDITION 7 P PRICE CODE : C DURIAN (DURIO ZIBETHINUS MURR.) CLONAL MATERIALS FOR PLANTING-SPECIFICATION
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ES ISO 5697 : 2016 1 EDITION 16 P PRICE CODE : H
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ES ISO 11783-8 : 2016 1 EDITION 3 P PRICE CODE : B
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ES ISO 5674 : 2016 1 EDITION 24 P PRICE CODE : M
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ES ISO 7216 : 2016 1 EDITION 4 P PRICE CODE : B
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ES ISO 11783-5 : 2016 1 EDITION 29 P PRICE CODE : N
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ES ISO 10326-1 : 2016  1 EDITION  8 P  PRICE CODE : D
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ES ISO 4253 : 2015  1 EDITION  4 P  PRICE CODE : B
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ES ISO 5721 : 2015  1 EDITION  7 P  PRICE CODE : D
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ES ISO 8947 : 2016  1 EDITION  5 P  PRICE CODE : C
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ES ISO 789-5 : 2016  1 EDITION  3 P  PRICE CODE : B
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ES ISO 5721-2 : 2015  1 EDITION  4 P  PRICE CODE : E
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ES ISO 5721-1 : 2015  1 EDITION  9 P  PRICE CODE : E
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ES ISO 789-4 : 2016  1 EDITION  7 P  PRICE CODE : D
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ES ISO 26322-2 : 2015  1 EDITION  5 P  PRICE CODE : C
TRACTORS FOR AGRICULTURE AND FORESTRY -- SAFETY -- PART 2 GENERAL REQUIREMENTS AND PERFORMANCE LIMITS.

ES ISO 11471 : 2016  1 EDITION  3 P  PRICE CODE : B
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ES ISO 2632-1 : 2015 1 EDITION 12 P PRICE CODE : F
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65.060.20 SOIL-WORKING EQUIPMENT

ES ISO 8910 : 2013 1 EDITION 7 P PRICE CODE : D
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ES ISO 8912 : 2013 1 EDITION 3 P PRICE CODE : B
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ES ISO 5713 : 2013 1 EDITION 6 P PRICE CODE : C
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ES ISO 8945 : 2013 1 EDITION 1 P PRICE CODE : A
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**ES ISO 6880 : 2013**

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**ES ISO 4254-8 : 2016**

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**ES ISO 4254-5 : 2013**

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AGRICULTURAL MACHINERY - SAFETY - PART 5 POWER-DRIVEN SOIL-WORKING MACHINES

**ES ISO 5690-2 : 2013**

1 EDITION 13 P
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**ES ISO 5690-1 : 2013**

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**ES ISO 5691 : 2015**

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**ES ISO 17962 : 2016**

1 EDITION 9 P
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**ES ISO 6720 : 2015**

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**ES ISO 4002-2 : 2015**

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**ES ISO 4002-1 : 2015**

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**ES ISO 4254-9 : 2015**

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**ES ISO 12374 : 2013**

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ES ISO 13460 : 2013  
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ES ISO 8026 : 2015  
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ES ISO 15081 : 2015  
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ES ISO 9261 : 2013  
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ES ISO 8779 : 2015  
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ES ISO 11738 : 2013  
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ES ISO 9912-3 : 2013  
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ES ISO 9635-4 : 2015  
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AGRICULTURAL IRRIGATION EQUIPMENT - IRRIGATION VALVES PART 4 AIR VALVES

ES ISO 9635-2 : 2015  1 EDITION 7 P  PRICE CODE : D
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ES ISO 9635-1 : 2015  1 EDITION 24 P  PRICE CODE : M
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ES ISO 15873 : 2013  1 EDITION 7 P  PRICE CODE : D
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ES ISO 11678 : 2013  1 EDITION 6 P  PRICE CODE : C
AGRICULTURAL IRRIGATION EQUIPMENT - ALUMINIUM IRRIGATION TUBES

ES ISO 8224-2 : 2013  1 EDITION 4 P  PRICE CODE : B
TRAVELLER IRRIGATION MACHINES - PART 2 SOFTWALL HOSE AND COUPLINGS - TEST METHODS

ES ISO 11545 : 2015  1 EDITION 7 P  PRICE CODE : D
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ES ISO 16149 : 2015  1 EDITION 8 P  PRICE CODE : D
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ES 1142 : 2005  1 EDITION 3 P  PRICE CODE : B
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ES 1138 : 2005  1 EDITION 1 P  PRICE CODE : A
EQUIPMENT FOR CROP PROTECTION PORTABLE (OPERATOR-CARRIED) SPRAYERS -- SPECIFICATION

ES ISO 19732 : 2016  1 EDITION 7 P  PRICE CODE : D
EQUIPMENT FOR CROP PROTECTION -- SPRAYER FILTERS -- COLOR CODING FOR IDENTIFICATION

ES ISO 13440 : 2015  1 EDITION 4 P  PRICE CODE : B
EQUIPMENT FOR CROP PROTECTION -- AGRICULTURAL SPRAYERS -- DETERMINATION OF THE VOLUME OF TOTAL RESIDUAL
ES ISO 9357 : 2005  
EQUIPMENT FOR CROP PROTECTION – AGRICULTURAL SPRayers – Tank Nominal Volume and Filling Hole Diameter

ES ISO 6686 : 2015  
EQUIPMENT FOR CROP PROTECTION -- ANTIDRIP DEVICES -- DETERMINATION OF PERFORMANCE

ES ISO 19932-1 : 2015  
EQUIPMENT FOR CROP PROTECTION -- KNAPSACK SPRayers -- PART 1 REQUIREMENTS AND TEST METHODS

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ES ISO 13441-1 : 2016  
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ES ISO 16122-3 : 2016  
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ES ISO 16122-4 : 2016  
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ES ISO 16122-1 : 2016  
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ES ISO 4254-6 : 2015  
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ES ISO 22368-1 : 2015  
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ES ISO 22368-3 : 2016  1 EDITION  5 P  PRICE CODE : C
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ES ISO 22368-2 : 2016  1 EDITION  10 P  PRICE CODE : E
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ES ISO 24253-1 : 2016  1 EDITION  19 P  PRICE CODE : K
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ES ISO 8210 : 2015  1 EDITION  7 P  PRICE CODE : D
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ES ISO 5715 : 2016  1 EDITION  5 P  PRICE CODE : C
EQUIPMENT FOR HARVESTING -- DIMENSIONAL COMPATIBILITY OF FORAGE HARVESTING MACHINERY

ES ISO 5718 : 2016  1 EDITION  8 P  PRICE CODE : D
HARVESTING EQUIPMENT -- BLADES FOR AGRICULTURAL ROTARY MOWERS -- REQUIREMENTS

ES ISO 5687 : 2016  1 EDITION  2 P  PRICE CODE : A
EQUIPMENT FOR HARVESTING -- COMBINE HARVESTERS -- DETERMINATION AND DESIGNATION OF GRAIN TANK CAPACITY AND UNLOADING DEVICE PERFORMANCE

ES ISO 5702 : 2016  1 EDITION  10 P  PRICE CODE : E
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ES ISO 5703 : 2016  1 EDITION  8 P  PRICE CODE : D
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ES ISO 5704 : 2016  1 EDITION  20 P  PRICE CODE : K
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ES ISO 17101-1 : 2015  1 EDITION  28 P  PRICE CODE : N
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ES ISO 4254-11 : 2010  1 EDITION  15 P  PRICE CODE : H
AGRICULTURAL MACHINERY - SAFETY - PART 11 PICK-UP BALERS

ES ISO 8909-1 : 2015  1 EDITION  16 P  PRICE CODE : H
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ES ISO 17101-2 : 2015  1 EDITION  31 P  PRICE CODE : P
AGRICULTURAL MACHINERY - THROWN-OBJECT TEST AND ACCEPTANCE CRITERIA - PART 2 FLAIL MOWERS

ES ISO 6689-1 : 2015  1 EDITION  29 P  PRICE CODE : N
EQUIPMENT FOR HARVESTING -- COMBINES AND FUNCTIONAL COMPONENTS -- PART 1 VOCABULARY

ES ISO 4254-7 : 2016  1 EDITION  46 P  PRICE CODE : T
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ES ISO 4254-10 : 2013  1 EDITION  34 P  PRICE CODE : Q
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ES ISO 6689-2 : 2016  1 EDITION  4 P  PRICE CODE : B
EQUIPMENT FOR HARVESTING -- COMBINES AND FUNCTIONAL COMPONENTS -- PART 2 ASSESSMENT OF CHARACTERISTICS AND PERFORMANCE DEFINED IN VOCABULARY

ES ISO 8909-2 : 2015  1 EDITION  4 P  PRICE CODE : B
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ES ISO 8909-3 : 2015  1 EDITION  11 P  PRICE CODE : F
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ES ISO 4254-12 : 2015  1 EDITION  28 P  PRICE CODE : N
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ES ISO 3835-1 : 2015  1 EDITION  6 P  PRICE CODE : C
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ES ISO 11450 : 2013  1 EDITION  8 P  PRICE CODE : D
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ES ISO 3835-4 : 2015  1 EDITION  2 P  PRICE CODE : A
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ES ISO 3835-3 : 2015  1 EDITION  3 P  PRICE CODE : B
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ES ISO 8157 : 2008 1 EDITION 13 P PRICE CODE : G
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ES ISO 7410 : 2008 2 EDITION 3 P PRICE CODE : B
FERTILIZERS AND SOIL CONDITIONERS-FINAL SAMPLES-PRACTICAL ARRANGEMENTS

ES ISO 6598 : 2008 2 EDITION 5 P PRICE CODE : C
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ES ISO 7851 : 2008 1 EDITION 5 P PRICE CODE : C
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ES ISO 7837 : 2008 2 EDITION 9 P PRICE CODE : E
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ES ISO 7742 : 2008 2 EDITION 9 P PRICE CODE : E
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ES ISO 7404 : 2008 2 EDITION 3 P PRICE CODE : B
FERTILIZERS-DETERMINATION OF ACID-SOLUBLE POTASSIUM CONTENT

ES ISO 7407 : 2008 1 EDITION 1 P PRICE CODE : A
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ES ISO 7497 : 2008 2 EDITION 5 P PRICE CODE : C
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ES ISO 7409 : 2008 2 EDITION 5 P PRICE CODE : C
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ES ISO 8358 : 2008 2 EDITION 11 P PRICE CODE : F
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ES ISO 10249 : 2013 1 EDITION 5 P PRICE CODE : C
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ES ISO 10084 : 2008 2 EDITION 7 P PRICE CODE : D
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ES ISO 8634 : 2008 2 EDITION 17 P PRICE CODE : J
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ES ISO 5308 : 2013  1 EDITION  4 P  PRICE CODE : B
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ES 3907-1 : 2018  1 EDITION  8 P  PRICE CODE : D
FERTILIZERS-BIOFERTILIZERS-PART 1-RHIZOBIAL SPECIFICATION AND TEST METHOD.

ES ISO 5313 : 2013  1 EDITION  3 P  PRICE CODE : B
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ES 3421 : 2008  1 EDITION  9 P  PRICE CODE : E
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ES ISO 5315 : 2013  1 EDITION  5 P  PRICE CODE : C
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ES ISO 3944 : 2008  2 EDITION  7 P  PRICE CODE : D
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ES 3422 : 2008  1 EDITION  3 P  PRICE CODE : B
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ES 285 : 2008  3 EDITION  3 P  PRICE CODE : B
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ES 297 : 2008  2 EDITION  3 P  PRICE CODE : B
FERTILIZERS-POTASSIUM NITRATE (NITRATE OF POTASH)-SPECIFICATION

ES 397 : 2008  1 EDITION  3 P  PRICE CODE : B
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**65.150  FISHING AND FISH BREEDING**

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**67.020 PROCESSES IN THE FOOD INDUSTRY**

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**Recommended Code of Practice - General Principles of Food Hygiene**

**Principles for the Establishment and Application of Microbiological Criteria for Foods**
### 67.040 | FOOD PRODUCTS IN GENERAL

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### 67.050 | GENERAL METHODS OF TESTS AND ANALYSIS FOR FOOD PRODUCTS *FOOD MICROBIOLOG*

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FOODSTUFFS - METHODS OF ANALYSIS FOR THE DETECTION OF GENETICALLY MODIFIED ORGANISMS AND DERIVED PRODUCTS - GENERAL REQUIREMENTS AND DEFINITIONS

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FOOD PRODUCTS - DETERMINATION OF THE TOTAL NITROGEN CONTENT BY COMBUSTION ACCORDING TO THE DUMAS PRINCIPLE AND CALCULATION OF THE CRUDE PROTEIN CONTENT - PART 2 CEREALS, PULSES AND MILLED CEREAL PRODUCTS

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METHODS FOR DETERMINATION OF VITAMIN K1 (PHYLLOQUINONE) IN READY-TO-FEED IN MILK-BASED INFANT FORMULA LIQUID CHROMATOGRAPHIC METHOD

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METHODS OF TESTS FOR FOODS MINERALS AND TRACE ELEMENTS

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METHODS FOR ESTIMATION OF NICOTINIC ACID (NIACIN) IN FOODSTUFFS

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FOOD AND FEED PRODUCTS - GENERAL GUIDELINES FOR THE DETERMINATION OF NITROGEN BY
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ES 1062 : 2005 (R 2017)  1 EDITION  3  P  PRICE CODE : B
SELF-RAISING WHEAT FLOUR DETERMINATION OF AVAILABLE CARBON DIOXIDE

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PLAIN SEMI-SWEET (NON-CREAMED) BISCUITS - SPECIFICATION

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ES ISO 6647-1 : 2016  2 EDITION  7 P  PRICE CODE : D
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**67.140.20 COFFEE AND COFFEE SUBSTITUTES**

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ES ISO 8128-2 : 2012 (R 2018) 1 EDITION 5 P PRICE CODE : C
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ES 611 : 2001 (R 2013) 1 EDITION 2 P PRICE CODE : A
MINERAL WATER - SAMPLING

ES 621 : 2001 1 EDITION 6 P PRICE CODE : C
MINERAL WATER – SPECIFICATION

67.180.10 SUGAR AND SUGAR PRODUCTS

ES 1202 : 2015 3 EDITION 15 P PRICE CODE : H
FOOD AND AGRICULTURE - HONEY-SPECIFICATION

ES 1203 : 2015 3 EDITION 15 P PRICE CODE : H
FOOD AND AGRICULTURE - BEE WAX - SPECIFICATION

ES 984 : 2004 (R 2012) 1 EDITION 7 P PRICE CODE : D
CUBE SUGAR-SPECIFICATION

ES 983 : 2004 (R 2012) 1 EDITION 9 P PRICE CODE : E
ICING SUGAR SPECIFICATION

ES 982 : 2004 (R 2012) 1 EDITION 10 P PRICE CODE : E
GLUCOSE SYRUP- SPECIFICATION

ES 985 : 2004 (R 2012) 1 EDITION 39 P PRICE CODE : R
WHITE SUGAR - SPECIFICATION

ES 980 : 2004 (R 2014) 1 EDITION 5 P PRICE CODE : C
EXTROSE MONOHYDRATE SPECIFICATION

ES 978 : 2004 (R 2012) 1 EDITION 25 P PRICE CODE : M
MOLASSES - CANE FINAL SPECIFICATION

ES 977 : 2004 (R 2012) 1 EDITION 22 P PRICE CODE : L
HARD BOILED SUGAR CONFECTIONARY SPECIFICATION

ES 981 : 2004 (R 2012) 1 EDITION 3 P PRICE CODE : B
DRIED GLUCOSE- SPECIFICATION

ES 987 : 2004 (R 2012) 1 EDITION 30 P PRICE CODE : P
RAW SUGAR - SPECIFICATION

67.180.20 STARCH AND DERIVED PRODUCTS
ES ISO 11212-1 : 2004 (R 2014)  
STARCH AND DERIVED PRODUCTS - HEAVY METALS CONTENT - PART 1  
DETERMINATION OF ARSENIC CONTENT BY ATOMIC ABSORPTION SPECTROMETRY

ES ISO 10520 : 2014  
NATIVE STARCH - DETERMINATION OF STARCH CONTENT - EWERS POLARIMETRIC METHOD

ES ISO 11216 : 2014  
MODIFIED STARCH - DETERMINATION OF CONTENT OF CARBOXYMETHYL GROUPS IN CARBOXYMETHYL STARCH

ES ISO 11543 : 2014  
MODIFIED STARCH - DETERMINATION OF HYDROXYPROPYL CONTENT - METHOD USING PROTON NUCLEAR MAGNETIC RESONANCE (NMR) SPECTROMETRY

ES ISO 11212-4 : 2014  
STARCH AND DERIVED PRODUCTS - HEAVY METALS CONTENT - PART 4  
DETERMINATION OF CADMIUM CONTENT BY ATOMIC ABSORPTION SPECTROMETRY WITH ELECTROTHERMAL ATOMIZATION

ES ISO 11213 : 2014  
MODIFIED STARCH - DETERMINATION OF ACETYL CONTENT - ENZYMATIC METHOD

ES ISO 11212-2 : 2014  
STARCH AND DERIVED PRODUCTS - HEAVY METALS CONTENT - PART 2  
DETERMINATION OF MERCURY CONTENT BY ATOMIC ABSORPTION SPECTROMETRY

ES ISO 11215 : 2014  
MODIFIED STARCH - DETERMINATION OF ADIPIC ACID CONTENT OF ACETYLATED DI-STARCH ADIPATES - GAS CHROMATOGRAPHIC METHOD

ES ISO 11214 : 2014  
MODIFIED STARCH - DETERMINATION OF CARBOXYL GROUP CONTENT OF OXIDIZED STARCH

ES ISO 1743 : 2004 (R 2012)  
GLUCOSE SYRUP - DETERMINATION OF DRY MATTER CONTENT - REFRACTIVE INDEX METHOD

ES ISO 10504 : 2014  
STARCH DERIVATIVES - DETERMINATION OF THE COMPOSITION OF GLUCOSE SYRUPS, FRUCTOSE SYRUPS AND HYDROGENATED GLUCOSE SYRUPS - METHOD USING HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY

ES ISO 11212-3 : 2004 (R 2014)  
STARCH AND DERIVED PRODUCTS - HEAVY METALS CONTENT - PART 3  
DETERMINATION OF LEAD CONTENT BY ATOMIC ABSORPTION SPECTROMETRY WITH ELECTROTHERMAL ATOMIZATION

ES ISO 3593 : 2004 (R 2014)  
STARCH - DETERMINATION OF ASH

ES ISO 5809 : 2004 (R 2014)  
STARCHES AND DERIVED PRODUCTS - DETERMINATION OF SULPHATED ASH
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STARCH HYDROLYSIS PRODUCTS - DETERMINATION OF WATER CONTENT - MODIFIED KARL FISCHER METHOD

STARCH HYDROLYSIS PRODUCTS - DETERMINATION OF REDUCING POWER AND DEXTROSE EQUIVALENT - LANE AND EYNON CONSTANT TITRE METHOD

STARCHES AND DERIVED PRODUCTS - DETERMINATION OF TOTAL PHOSPHORUS CONTENT - SPECTROPHOTOMETRIC METHOD

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STARCHES AND DERIVED PRODUCTS - DETERMINATION OF CHLORIDE CONTENT - POTENTIOMETRIC METHOD

STARCHES AND DERIVED PRODUCTS - DETERMINATION OF NITROGEN CONTENT BY THE KJELDAHL METHOD - SPECTROPHOTOMETRIC METHOD

STARCHES AND DERIVED PRODUCTS - DETERMINATION OF SULFUR DIOXIDE CONTENT - ACIDIMETRIC METHOD AND NEPHELOMETRIC METHOD

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VEGETABLE FATS AND OILS - DETERMINATION OF THE DEGRADATION PRODUCTS OF CHLOROPHYLLS A AND A' (PHEOPHYTINS A, A' AND PYROPHEOPHYTINS)

ANIMAL AND VEGETABLE FATS AND OILS - DETERMINATION OF CADMIUM CONTENT BY DIRECT GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROMETRY

ANIMAL AND VEGETABLE FATS AND OILS - DETERMINATION OF POLYCYCLIC AROMATIC HYDROCARBONS BY ON-LINE DONOR-ACCEPTOR COMPLEX CHROMATOGRAPHY AND HPLC WITH FLUORESCENCE DETECTION
ES ISO 6883 : 2012 1 EDITION 9 P  PRICE CODE : E
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF CONVENTIONAL MASS PER VOLUME (LITRE WEIGHT IN AIR)

ES ISO 13884 : 2012 1 EDITION 9 P  PRICE CODE : E
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF ISOLATED TRANS ISOMERS BY INFRARED SPECTROMETRY

ES ISO 27107 : 2015 1 EDITION 10 P  PRICE CODE : E
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF PEROXIDE VALUE - POTENTIOMETERIC END-POINT DETERMINATION

ES ISO 27608 : 2012 1 EDITION 8 P  PRICE CODE : D
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF LOVIBOND COLOUR - AUTOMATIC METHOD

ES ISO 28198 : 2012 1 EDITION 7 P  PRICE CODE : D
VEGETABLE FATS AND OILS -- DETERMINATION OF TOLUENE INSOLUBLE MATTER

ES ISO 12872 : 2012 1 EDITION 13 P  PRICE CODE : G
OLIVE OILS AND OLIVE-POMACE OILS- DETERMINATION OF THE 2-GLYCERYLMONOPALMITATE CONTENT

ES ISO 29822 : 2012 1 EDITION 8 P  PRICE CODE : D
VEGETABLE FATS AND OILS- ISOMERIC DIACYLGLYCEROLS OF 1,2- AND 1,3-DIACYLGLYCEROLS DETERMINATION OF RELATIVE AMOUNTS

ES ISO 8294 : 2012 1 EDITION 6 P  PRICE CODE : C
ANIMAL AND VEGETABLE FATS AND OILS - DETERMINATION OF COPPER, IRON AND NICKEL CONTENTS - GRAPHITE FURNACE ATOMIC ABSORPTION METHOD

ES ISO 12871 : 2012 1 EDITION 11 P  PRICE CODE : F
OLIVE OILS AND OLIVE-POMACE OILS- DETERMINATION OF ALIPHATIC ALCOHOLSCONTENT BY CAPILLARY GAS CHROMATOGRAPHY

ES ISO 19219 : 2012 1 EDITION 7 P  PRICE CODE : D
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF VISIBLE FOOTS IN CRUDE FATS AND OILS

ES ISO 12193 : 2012 1 EDITION 7 P  PRICE CODE : D
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF LEAD BY DIRECT GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROSCOPY

ES ISO 18609 : 2012 1 EDITION 8 P  PRICE CODE : D
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF UNSAPONIFIABLE MATTER-METHOD USING HEXANE EXTRACTION

ES ISO 11702 : 2012 1 EDITION 7 P  PRICE CODE : D
ANIMAL AND VEGETABLE FATS AND OILS- ENZYMATIC DETERMINATION OF TOTAL STEROLS CONTENT
ES ISO 15267 : 2012  
1 EDITION 4 P  
PRICE CODE : B
ANIMAL AND VEGETABLE FATS AND OILS- FLASHPOINT LIMIT TEST USING PENSKY-MARTENS CLOSED CUP FLASH TESTER

ES ISO 15301 : 2012  
1 EDITION 10 P  
PRICE CODE : E
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF SEDIMENT IN CRUDE FATS AND OILS CENTRIFUGE METHOD

ES ISO 11701 : 2012  
1 EDITION 11 P  
PRICE CODE : F
VEGETABLE FATS AND OILS- DETERMINATION OF PHOSPHOLIPIDS CONTENT IN LECITHINS BY HPLC USING A LIGHT-SCATTERING DETECTOR

ES ISO 15302 : 2012  
1 EDITION 9 P  
PRICE CODE : E
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF BENZO[A]PYRENE- REVERSE-PHASE HIGH PERFORMANCE LIQUID CHROMATOGRAPHY METHOD

ES ISO 15303 : 2012  
1 EDITION 10 P  
PRICE CODE : E
ANIMAL AND VEGETABLE FATS AND OILS- DETECTION AND IDENTIFICATION OF A VOLATILE ORGANIC CONTAMINANT BY GC/MS

ES ISO 11053 : 2012  
1 EDITION 22 P  
PRICE CODE : L
VEGETABLE FATS AND OILS-DETERMINATIONOF COCOA BUTTER EQUIVALENTS IN MILK CHOCOLATE

ES ISO 15304 : 2012  
1 EDITION 10 P  
PRICE CODE : E
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF THE CONTENT OF TRANCE FATTY ACID ISOMERS OF VEGETABLE FATS AND OILS- GAS CHROMATOGRAPHIC METHOD

ES ISO 15305 : 2000  
1 EDITION 9 P  
PRICE CODE : E
ANIMAL AND VEGETABLE FATS AND OILS - DETERMINATION OF LOVIBOND COLOUR

ES ISO 16035 : 2012  
1 EDITION 12 P  
PRICE CODE : F
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF LOW-BOILING HALOGENATED HYDROCARBONS IN EDIBLE OILS

ES ISO 15753 : 2012  
1 EDITION 22 P  
PRICE CODE : L
ANIMAL AND VEGETABLE FATS AND OILS - DETERMINATION OF POLYCYCLIC AROMATIC HYDROCARBONS

ES ISO 12228 : 2012  
1 EDITION 16 P  
PRICE CODE : H
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF INDIVIDUAL AND TOTAL STEROLS CONTENTS-GAS CHROMATOGRAPHIC METHOD

ES ISO 10540-2 : 2012  
1 EDITION 8 P  
PRICE CODE : D
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF PHOSPHORUS CONTENT- PART 2METHOD USING GRAPHITE FURNACE ATOMIC ABSORPTION SPECTROMETRY

ES ISO 8420 : 2012  
1 EDITION 8 P  
PRICE CODE : D
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF CONTENT OF POLAR COMPOUNDS
ES ISO 8534 : 2012 1 EDITION 10 P PRICE CODE : E
ANIMAL AND VEGETABLE FATS AND OILS-DETERMINATION OF WATER CONTENT- KARL FISCHER
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ES ISO 9832 : 2012 1 EDITION 10 P PRICE CODE : E
ANIMAL AND VEGETABLE FATS AND OILS -DETERMINATION OF RESIDUAL TECHNICAL HEXANE
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ES ISO 9936 : 2012 1 EDITION 17 P PRICE CODE : J
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ES ISO 6463 : 2012 1 EDITION 3 P PRICE CODE : B
ANIMAL AND VEGETABLE FATS AND OILS – DETERMINATION OF BUTYLHYDROXYANISOLE (BHA)
AND BUTYLHYDROXYTOLUENE (BHT) – GAS-LIQUID CHROMATOGRAPHIC METHOD

ES ISO 7366 : 2012 1 EDITION 3 P PRICE CODE : B
ANIMAL AND VEGETABLE FATS AND OILS - DETERMINATION OF 1-MONOOGLYCERIDES AND FREE
GLYCEROL CONTENTS

ES ISO 10539 : 2012 1 EDITION 6 P PRICE CODE : C
ANIMAL AND VEGETABLE FATS AND OILS - DETERMINATION OF ALKALINITY

ES ISO 15788-2 : 2012 1 EDITION 10 P PRICE CODE : E
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF STIGMASTADIENES IN VEGETABLE
OILS- PART 2 METHOD USING HIGH-PERFORMANCE LIQUID CHROMATOGRAPHY (HPLC)

ES ISO 6884 : 2012 1 EDITION 4 P PRICE CODE : B
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF ASH

ES ISO 10540-1 : 2012 1 EDITION 10 P PRICE CODE : E
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF PHOSPHORUS CONTENT-PART
1COLORIMETRIC METHOD

ES ISO 10540-3 : 2012 1 EDITION 8 P PRICE CODE : D
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF PHOSPHORUS CONTENT- PART 3
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ES ISO 16931 : 2012 1 EDITION 9 P PRICE CODE : E
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF POLYMERIZED
TRIACYLGlyCEROL BY HIGH-PERFORMANCE SIZE EXCLUSION CHROMATOGRAPHY (HPSEC)

ES ISO 18395 : 2012 1 EDITION 10 P PRICE CODE : E
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF MONOACYLGlyCEROLS,
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ES ISO 18198 : 2012 1 EDITION 7 P PRICE CODE : D
VEGETABLE FATS AND OILS-DETERMINATION OF TOLUENE INSOLUBLE MATTTER
ES ISO 17932 : 2012  
**1 EDITION** 8 P **PRICE CODE : D**
Palm Oil - Determination of the Deterioration of Bleachability Index (DOBI) and Carotene Content

ES ISO 15788-1 : 2012  
**1 EDITION** 9 P **PRICE CODE : E**

ES ISO 6885 : 2012  
**1 EDITION** 7 P **PRICE CODE : D**
Animal and Vegetable Fats and Oils - Determination of Anisidine Value

ES ISO 6800 : 2012  
**1 EDITION** 8 P **PRICE CODE : D**
Animal and Vegetable Fats and Oils - Determination of the Composition of Fatty Acids in the 2-Position of the Triglyceride Molecules

ES ISO 6886 : 2012  
**1 EDITION** 13 P **PRICE CODE : G**
Animal and Vegetable Fats and Oils - Determination of Oxidative Stability (Accelerated Oxidation Test)

ES ISO 12966-3 : 2012  
**1 EDITION** 4 P **PRICE CODE : B**
Animal and Vegetable Fats and Oils - Gas Chromatography of Fatty Acid Methyl Esters Part 3 Preparation of Methyl Esters Using Trimethylsulfonium Hydroxide (TMSH)

ES ISO 12966-2 : 2012  
**1 EDITION** 15 P **PRICE CODE : H**
Animal and Vegetable Fats and Oils - Gas Chromatography of Fatty Acid Methyl Esters - Part 2 Preparation of Methyl Esters of Fatty Acids

ES ISO 6656 : 2012  
**1 EDITION** 6 P **PRICE CODE : C**
Animal and Vegetable Fats and Oils - Determination of Polyethylene-Type Polymers

ES ISO 23275-2 : 2012  
**1 EDITION** 13 P **PRICE CODE : G**
Animal and Vegetable Fats and Oils- Cocoa Butter Equivalents in Cocoa Butter and Plain Chocolate- Part 2 Quantification of Cocoa Butter Equivalents

ES ISO 23275-1 : 2012  
**1 EDITION** 12 P **PRICE CODE : F**
Animal and Vegetable Fats and Oils- Cocoa Butter Equivalents in Cocoa Butter and Plain Chocolate- Part 1 Determination of the Presence of Cocoa Butter Equivalents

ES ISO 934 : 2012  
**1 EDITION** 2 P **PRICE CODE : A**
Animal and Vegetable Fats and Oils - Determination of Water Content - Entrainment Method

ES ISO 8292-1 : 2012  
**1 EDITION** 27 P **PRICE CODE : N**
Animal and Vegetable Fats and Oils - Determination of Solid Fat Content by Pulsed NMR-- Part 1 Direct Method

ES ISO 8292-2 : 2012  
**1 EDITION** 16 P **PRICE CODE : H**
Animal and Vegetable Fats and Oils - Determination of Solid Fat Content by Pulsed NMR- Part 2 Indirect Method
ES ISO 5555 : 2001  2 EDITION  25  P  PRICE CODE : M
ANIMAL AND VEGETABLE FATS AND OILS - SAMPLING

ES ISO 5508 : 2012  1 EDITION  7  P  PRICE CODE : D
ANIMAL AND VEGETABLE FATS AND OILS - ANALYSIS BY GAS CHROMATOGRAPHY OF METHYL ESTERS OF FATTY ACIDS

ES 68 : 2001  2 EDITION  4  P  PRICE CODE : B
ANIMAL AND VEGETABLE FATS AND OILS - QUALITATIVE TESTS

ES 67 : 2001  2 EDITION  2  P  PRICE CODE : A
ANIMAL AND VEGETABLE FATS AND OILS - DETERMINATION OF COPPER - COLOURIMETRIC METHOD

ES 56 : 2001  2 EDITION  2  P  PRICE CODE : A
ANIMAL AND VEGETABLE FATS AND OILS - DETERMINATION OF RELATIVE DENSITY

ANIMAL AND VEGETABLE FATS AND OILS - DETERMINATION OF IODINE VALUE

ES ISO 5558 : 2000  1 EDITION  5  P  PRICE CODE : C
ANIMAL AND VEGETABLE FATS AND OILS - DETECTION AND IDENTIFICATION OF ANTIOXIDANTS - THIN -LAYER CHROMATOGRAPHIC METHOD

ES ISO 3960 : 2007  2 EDITION  9  P  PRICE CODE : E
ANIMAL AND VEGETABLE FATS AND OILS - DETERMINATION OF PEROXIDE VALUE - IODOMETRIC (VISUAL) ENDPOINT DETERMINATION

ES 66 : 2001  2 EDITION  2  P  PRICE CODE : A
ANIMAL AND VEGETABLE FATS AND OILS - DETERMINATION OF IRON - COLORIMETRIC METHOD

ES ISO 3596 : 2012  1 EDITION  8  P  PRICE CODE : D
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF UNSAPONITABLE MATTER METHOD USING DIETHYLE ETHER EXTRACTION

ES ISO 3656 : 2012  1 EDITION  8  P  PRICE CODE : D
ANIMAL AND VEGETABLE FATS AND OILS- DETERMINATION OF FULTRA VIOLET ABSORBANCE EXPRESSED AS SPECIFIC UV EXTINCTION

ANIMAL AND VEGETABLE FATS AND OILS -DETERMINATION OF SAPONIFICATION VALUE

ES 3949 : 2015  1 EDITION  10  P  PRICE CODE : E
PEANUT (GROUNDNUT) BUTTER –SPECIFICATION

67.200.20  OILSEEDS

ES 6139 : 2017  1 EDITION  16  P  PRICE CODE : H
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### 67.220.10 SPICES AND CONDIMENTS. FOOD ADDITIVES

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71.020 RODUCTION IN THE CHEMICAL INDUSTRY*INCLUDING PLANT LAYOUT AND SERVICES, PROCESS DESIGN AND CONTROL, PROCESSING OPERATIONS, SECURITY MEASURES, ETC. |

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71.040.20 LABORATORY WARE AND RELATED APPARATUS |

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73.100.30 | EQUIPMENT FOR DRILLING AND MINE EXCAVATION

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ES ISO 3013 : 2004 (R 2017)  
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ES 3712 : 2017  
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ES ISO 3675 : 2001 (R 2018)  
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ES ISO 8216-99 : 2004 (R 2018)  
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### Gaseous Fuels

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ES 911 : 2003  
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ES ISO 8216-3 : 2012 (R 2017)  
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**75.180.10 EXPLORATORY, DRILLING AND EXTRACTION EQUIPMENT**

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**75.180.30 VOLUMETRIC EQUIPMENT AND MEASUREMENTS**

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**03.080.99 PETROLEUM PRODUCTS AND NATURAL GAS HANDLING EQUIPMENT*INCLUDING PETROLEUM AND NATURAL GAS STORAGE DEVICES, DISTRIBUTION SYSTEMS, PIPELINES, PETROL STATIONS, DISPENSING DEVICES, ETC.**

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ES ISO 15589-1 : 2016 1 EDITION 79 P PRICE CODE : W PETROLEUM, PETROCHEMICAL AND NATURAL GAS INDUSTRIES - CATHODIC PROTECTION OF PIPELINE SYSTEMS - PART 1 ON-LAND PIPELINES

ES ISO 14224 : 2016 1 EDITION 100 P PRICE CODE : XZ PETROLEUM, PETROCHEMICAL AND NATURAL GAS INDUSTRIES - COLLECTION AND EXCHANGE OF RELIABILITY AND MAINTENANCE DATA FOR EQUIPMENT

ES ISO 10464 : 2016 1 EDITION 14 P PRICE CODE : G GAS CYLINDERS- REFILLABLE WELDED STEEL CYLINDERS FOR LIQUEFIED PETROLEUM GAS (LPG)- PERIODIC INSPECTION AND TESTING

ES ISO 15590-3 : 2016 1 EDITION 16 P PRICE CODE : H PETROLEUM AND NATURAL GAS INDUSTRIES - INDUCTION BENDS, FITTINGS AND FLANGES FOR PIPELINE TRANSPORTATION SYSTEMS - PART 3 FLANGES

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ES ISO 13679 : 2016 1 EDITION P PRICE CODE : XZ PETROLEUM AND NATURAL GAS INDUSTRIES - PROCEDURES FOR TESTING CASING AND TUBING CONNECTIONS

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ES ISO 3878 : 2005 (R 2014) 1 EDITION 4 P PRICE CODE : B
HARD METALS – VICKERS HARDNESS TEST

ES ISO 6758 : 2005 1 EDITION 3 P PRICE CODE : B
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ES ISO 5754 : 2005 (R 2014) 1 EDITION 4 P PRICE CODE : B
SINTERED METAL MATERIALS, EXCLUDING HARDMETALS – UNNOTCHED IMPACT TEST PIECE

ES ISO 4498 : 2012 1 EDITION 16 P PRICE CODE : H
SINTERED METAL MATERIALS, EXCLUDING HARDMETALS - DETERMINATION OF APPARENT HARDNESS AND MICROHARDNESS

ES ISO 4507 : 2005 (R 2014) 1 EDITION 6 P PRICE CODE : C
SINTERED FERROUS MATERIALS, CARBURIZED OR CARBONITRIDE-DETERMINATION AND VERIFICATION OF CASE-HARDENING DEPTH BY A MICRO-HARDNESS TEST

ES ISO 1143 : 2005 (R 2014) 1 EDITION 6 P PRICE CODE : C
STEEL – TORSIONAL STRESS FATIGUE TESTING

ES ISO 3785 : 2017 2 EDITION 6 P PRICE CODE : C
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ES ISO 4739 : 2005 (R 2014) 1 EDITION 7 P PRICE CODE : D
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ES ISO 14577-3 : 2019 1 EDITION 10 P PRICE CODE : E
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ES ISO 14577-2 : 2019 1 EDITION 27 P PRICE CODE : N
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ES 916 : 2003 1 EDITION 3 P PRICE CODE : B
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ES ISO 377 : 2017 2 EDITION 17 P PRICE CODE : J
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ES ISO 376 : 2017 2 EDITION 20 P PRICE CODE : K
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ES ISO 18265 : 2005 (R 2014) 1 EDITION 74 P PRICE CODE : W
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ES ISO 4546 : 2017 1 EDITION 8 P PRICE CODE : D
METALLIC MATERIALS - KNOOP HARDNESS TEST VERIFICATION OF KNOOP HARDNESS TESTING MACHINES

ES ISO 7801 : 2005 1 EDITION 4 P PRICE CODE : B
METALLIC MATERIALS – WIRE – REVERSE BEND TEST

ES ISO 9513 : 2019 2 EDITION 47 P PRICE CODE : T
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ES ISO 9649 : 2005 (R 2014) 1 EDITION 2 P PRICE CODE : A
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ES ISO 8491 : 2005 (R 2014) 1 EDITION 3 P PRICE CODE : B
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ES ISO 8492 : 2017 2 EDITION 2 P PRICE CODE : A
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ES ISO 8493 : 2005 (R 2014) 1 EDITION 3 P PRICE CODE : B
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ES ISO 8495 : 2017 2 EDITION 3 P PRICE CODE : B
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ES ISO 8496 : 2017 2 EDITION 2 P PRICE CODE : A
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ES ISO 4987 : 2012 1 EDITION 11 P PRICE CODE : F
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ES ISO 20482 : 2005 (R 2014) 1 EDITION 6 P PRICE CODE : C
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ES ISO 7802 : 2017 2 EDITION 4 P PRICE CODE : B
METALLIC MATERIALS – WIRE – WRAPPING TEST

ES ISO 7800 : 2012 1 EDITION 7 P PRICE CODE : D
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ES ISO 7799 : 2005 (R 2014) 1 EDITION 3 P PRICE CODE : B
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ES ISO 4965-2 : 2012  1 EDITION  4 P  PRICE CODE : B
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ES ISO 6506-1 : 2005 (R 2014)  1 EDITION  16 P  PRICE CODE : H
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ES 916-2 : 2003  1 EDITION  11 P  PRICE CODE : F
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ES 916-4 : 2003  1 EDITION  11 P  PRICE CODE : F
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ES 919-1 : 2003  1 EDITION  35 P  PRICE CODE : Q
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ES 919-2 : 2003  1 EDITION  18 P  PRICE CODE : J
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ES ISO 12106 : 2014  1 EDITION  35 P  PRICE CODE : Q
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ES 916-1 : 2003  1 EDITION  8 P  PRICE CODE : D
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ES ISO 6507-3 : 2005 (R 2014)  1 EDITION  5 P  PRICE CODE : C
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**77.040.20** Non-Destructive Testing of Metals* Non-Destructive Testing in General, See 19.100 * Non-Destructive Testing of Welded Joint

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**ES ISO 11971 : 2005 (R 2014)**  
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**VISUAL EXAMINATION OF SURFACE QUALITY OF STEEL CASTINGS**

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**ZINC IN FOOD – ATOMIC ABSORPTION SPECTROPHOTOMETRIC METHOD**

**ES ISO 991 : 2004**  
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**ES ISO 6362-4 : 2007 (R 2013)**  
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**ES ISO 4968 : 2005 (R 2014)**  
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**ES ISO 3754 : 2005 (R 2014)**  
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**ES ISO 14321 : 2005**  
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**ES ISO 6509 : 2007**  
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**ES ISO 5949 : 2005**  
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ES ISO 4969 : 2005 (R 2014)  
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ES ISO 4745 : 2005  
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ES ISO 4746 : 2005 (R 2014)  
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ES ISO 4970 : 2005  
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ES ISO 3763 : 2005 (R 2014)  
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ES ISO 4967 : 2005  
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ES ISO 11303 : 2003  
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ES ISO 11130 : 2012  
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ES ISO 3651-1 : 2007 (R 2014)  
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ES ISO 7384 : 2007 (R 2014)  
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ES ISO 7441 : 2007  
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ES ISO 9400 : 2007 (R 2014)  
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ES ISO 9591 : 2007 (R 2014)  
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ES ISO 15324 : 2007
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ES ISO 14993 : 2007 (R 2014)
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ES ISO 11474 : 2007 (R 2014)
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ES 1692-6 : 2005
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ES ISO 7539-1 : 2012
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ES ISO 11463 : 2007 (R 2014)
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ES 11845 : 2007
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ES ISO 11846 : 2007 (R 2014)
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ES ISO 11782-1 : 2007
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ES ISO 3651-2 : 2007 (R 2014)
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ES ISO 7539-6 : 2012
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ES ISO 7539-2 : 2007 1 EDITION 6 P PRICE CODE : C
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ES ISO 7539-3 : 2007 1 EDITION 3 P PRICE CODE : B
CORROSION OF METALS AND ALLOYS - STRESS CORROSION TESTING - PART 3
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ES ISO 11306 : 2007 (R 2014) 1 EDITION 4 P PRICE CODE : B
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ES ISO 7539-4 : 2007 1 EDITION 3 P PRICE CODE : B
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ES ISO 7539-5 : 2007 1 EDITION 9 P PRICE CODE : E
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ES ISO 16701 : 2007 1 EDITION 13 P PRICE CODE : G
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ES ISO 4942 : 2007 (R 2014) 1 EDITION 6 P PRICE CODE : C
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ES ISO 13898-4 : 2007 (R 2014) 1 EDITION 6 P PRICE CODE : C
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ES ISO 7705 : 2007 1 EDITION 14 P PRICE CODE : G
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ES ISO 4939 : 2007 (R 2014) 1 EDITION 6 P PRICE CODE : C
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ES ISO 4940 : 2007  I EDITION 7 P  PRICE CODE : D
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ES ISO 13898-3 : 2007 (R 2014)  EDITION 7 P  PRICE CODE : D
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ES ISO 10280 : 2007 (R 2014)  I EDITION 8 P  PRICE CODE : D
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ES ISO 4937 : 2007  I EDITION 8 P  PRICE CODE : D
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ES ISO 4935 : 2007 (R 2014)  1 EDITION 7 P  PRICE CODE : D
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ES ISO 4950-2 : 2007  
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ES ISO 11949 : 2017  
**2 EDITION** 41 P  
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ES ISO 6362-5 : 2012 1 EDITION 7 P PRICE CODE : D
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ES ISO 6361-1 : 2012 1 EDITION 3 P PRICE CODE : B
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ES ISO 6362-3 : 2016 2 EDITION 8 P PRICE CODE : D
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ES ISO 6363-3 : 2016 2 EDITION 4 P PRICE CODE : B
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ES ISO 6363-5 : 2007 1 EDITION 2 P PRICE CODE : A
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**79.060.01 WOOD-BASED PANELS IN GENERAL**

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ES ISO 4709 : 2007 (R 2015) 1 EDITION 6 P  PRICE CODE : C
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79.120.10  WOODWORKING MACHINES

ES ISO 7945 : 2014 1 EDITION 6 P  PRICE CODE : C
WOODWORKING MACHINES-SINGLE SPINS BORING MACHINES- NOMENCLATURE AND ACCEPTANCE CONDITION

ES ISO 7946 : 2014 1 EDITION 13 P  PRICE CODE : G
WOODWORKING MACHINES - TWO, THREE AND FOUR SIDE - NOMENCLATURE AND ACCEPTANCE CONDITION

ES ISO 7950 : 2014 1 EDITION 8 P  PRICE CODE : D
WOODWORKING MACHINES-SINGLE CHAIN MORTISING MACHINES- NOMENCLATURE AND ACCEPTANCE CONDITION

ES ISO 7569 : 2014 1 EDITION 8 P  PRICE CODE : D
WOODWORKING MACHINES - PLANNING MACHINES FOR TWO, THREE OR FOUR SIDE DRESSING- NOMENCLATURE AND ACCEPTANCE CONDITIONS

ES ISO 7568 : 2014 1 EDITION 8 P  PRICE CODE : D
WOODWORKING MACHINES - THICKNESS PLANNING MACHINES WITH ROTARY CUTTER BLOCK FOR ONE-SIDE DRESSING- NOMENCLATURE AND ACCEPTANCE CONDITION

ES ISO 1651 : 2014 1 EDITION 3 P  PRICE CODE : B
TUBE DRAWING MANDRELS

ES ISO 7947 : 2014 1 EDITION 13 P  PRICE CODE : G
WOODWORKING MACHINES- THREE AND FOUR SIDE - ACCEPTANCE CONDITION

ES ISO 7571 : 2014 1 EDITION 8 P  PRICE CODE : D
WOODWORKING MACHINES - PLANNING MACHINES WITH ROTARY CUTTER BLOCK FOR ONE-SIDE DRESSING- NOMENCLATURE AND ACCEPTANCE CONDITION

ES ISO 7007 : 2014 1 EDITION 9 P  PRICE CODE : E
WOODWORKING MACHINES- TABLE BANDS AWING MACHINES NOMENCLATURE AND ACCEPTANCE CONDITIONS

ES ISO 7988 : 2014 1 EDITION 14 P  PRICE CODE : G
WOODWORKING MACHINES-DOUBLE-END TANNING MACHINES- NOMENCLATURE AND ACCEPTANCE CONDITION

ES ISO 7948 : 2014 EDITION 8 P  PRICE CODE : D
WOODWORKING MACHINES-ROUTING MACHINES- NOMENCLATURE AND ACCEPTANCE CONDITION

ES ISO 7006 : 2014 1 EDITION 1 P  PRICE CODE : A
WOODWORKING MACHINES-DIAMETER OF SPINDLES FOR RECEIVING CIRCULAR SAW BLADES
ES ISO 7949 : 2014  
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ES ISO 7008 : 2014  
WOODWORKING MACHINES-SINGLE BLADE CIRCULAR SAW BENCHES WITH OR WITHOUT TRAVELLING TABLE-NOMENCLATURE AND ACCEPTANCE CONDITION

ES ISO 7009 : 2014  
WOODWORKING MACHINES-SINGLE SPINDLE MOLDING MACHINES-NOMENCLATURE AND ACCEPTANCE CONDITION

ES ISO 7983 : 2014  
WOODWORKING MACHINES-SINGLE BLADE CIRCULAR SAWING MACHINES WITH TRAVELLING TABLE - NOMENCLATURE AND ACCEPTANCE CONDITION

ES ISO 7960 : 2014  
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ES ISO 7959 : 2014  
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ES ISO 7957 : 2014  
WOODWORKING MACHINES-RADIAL CIRCULAR SAW -NOMENCLATURE AND ACCEPTANCE CONDITION

ES ISO 7987 : 2014  
WOODWORKING MACHINES-Turning LATHES-TANNING MACHINES- NOMENCLATURE AND ACCEPTANCE CONDITION

81.040.01  GLASS IN GENERAL

ES ISO 1776 : 2004 (R 2013)  
GLASS - HYDROLYTIC RESISTANCE TO ATTACK BY HYDROCHLORIC ACID AT 1000C - FLAME EMISSION OR FLAME ATOMIC ABSORPTION SPECTROMETRIC METHOD

ES 1405 : 2005  
SPECIFICATION FOR LIMESTONE FOR MAKING COLOURLESS GLASSES

ES 3122 : 2006  
SPECIFICATION FOR INCLUSION OF GLASS IN THE CONSTRUCTION OF FURNITURE, OTHER THAN TABLES OR TROLLEYS, INCLUDING CABINETS, SHELVING SYSTEMS AND WALL HUNG OR FREE STANDING MIRRORS

81.040.20  GLASS IN BUILDING

ES ISO 10292 : 2017  
GLASS IN BUILDING - CALCULATION OF STEADY STATE U VALUES (THERMAL TRANSMITTANCE) OF MULTIPLE GLAZING
ES ISO 9050 : 2017 1 EDITION 27 P  PRICE CODE : N
GLASS IN BUILDING - DETERMINATION OF LIGHT TRANSMITTANCE, SOLAR DIRECT TRANSMITTANCE, TOTAL SOLAR ENERGY TRANSMITTANCE, ULTRAVIOLET TRANSMITTANCE AND RELATED GLAZING FACTORS

ES ISO 9051 : 2017 1 EDITION 3 P  PRICE CODE : B
GLASS IN BUILDING - FIRE-RESISTANT GLAZED ASSEMBLIES CONTAINING TRANSPARENT OR TRANSLUCENT GLASS, FOR USE IN BUILDING

ES ISO 20492-2 : 2017 1 EDITION 13 P  PRICE CODE : G
GLASS IN BUILDINGS - INSULATING GLASS - PART 2 CHEMICAL FOGGING TESTS

ES ISO 20492-1 : 2017 1 EDITION 32 P  PRICE CODE : P
GLASS IN BUILDINGS - INSULATING GLASS - PART 1 DURABILITY OF EDGE SEALS BY CLIMATE TESTS

ES 1822 : 2005 1 EDITION 5 P  PRICE CODE : C
GLASS IN BUILDING – SPECIAL BASIC PRODUCTS 2. GLASS CERAMICS

ES ISO 22897 : 2017 1 EDITION 7 P  PRICE CODE : D
GLASS IN BUILDING - GLAZING AND AIR BORNE SOUND INSULATION - PRODUCT DESCRIPTIONS AND DETERMINATION OF PROPERTIES

ES ISO 1288-1 : 2016 1 EDITION 18 P  PRICE CODE : J
GLASS IN BUILDING - DETERMINATION OF THE BENDING STRENGTH OF GLASS - FUNDAMENTALS OF TESTING GLASS

ES 3222 : 2006 1 EDITION 9 P  PRICE CODE : E
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ES ISO 11479-2 : 2017 1 EDITION 6 P  PRICE CODE : C
GLASS IN BUILDING - COATED GLASS - PART 2 COLOUR OF FAÇADE

ES ISO 20492-3 : 2017 1 EDITION 27 P  PRICE CODE : N
GLASS IN BUILDINGS - INSULATING GLASS - PART 3 GAS CONCENTRATION AND GAS LEAKAGE

ES ISO 20492-4 : 2017 1 EDITION 24 P  PRICE CODE : K
GLASS IN BUILDINGS - INSULATING GLASS - PART 4 METHODS OF TEST FOR THE PHYSICAL ATTRIBUTES OF EDGE SEALS

ES ISO 10293 : 2017 1 EDITION 7 P  PRICE CODE : D
GLASS IN BUILDING - DETERMINATION OF STEADY STATE U VALUES (THERMAL TRANSMITTANCE) OF MULTIPLE GLAZING - HEAT FLOW METER METHOD

ES ISO 25537 : 2017 1 EDITION 12 P  PRICE CODE : F
GLASS IN BUILDING - SILVERED, FLAT-GLASS MIRROR

ES ISO 21690 : 2017 1 EDITION 10 P  PRICE CODE : E
GLASS IN BUILDING- GLASS BLOCKS- SPECIFICATION AND TEST METHODS
ES ISO 11485-1 : 2017 1 EDITION 8 P PRICE CODE : D
GLASS IN BUILDING - CURVED GLASS - PART 1 TERMINOLOGY AND DEFINITIONS

ES ISO 10291 : 2017 1 EDITION 5 P PRICE CODE : C
GLASS IN BUILDING - DETERMINATION OF STEADY STATE U VALUES (THERMAL TRANSMITTANCE) OF MULTIPLE GLAZING - GUARDED HOT PLATE METHOD

ES ISO 11485-2 : 2017 1 EDITION 11 P PRICE CODE : F
GLASS IN BUILDING - CURVED GLASS - PART 2 QUALITY REQUIREMENTS

ES ISO 12543-3 : 2017 1 EDITION 3 P PRICE CODE : B
GLASS IN BUILDING - LAMINATED GLASS AND LAMINATED SAFETY GLASS - PART 3 LAMINATED GLASS

ES ISO 16936-1 : 2017 1 EDITION 8 P PRICE CODE : D
GLASS IN BUILDING- FORCED - ENTRY SECURITY GLAZING-PART 1 TEST AND CLASSIFICATION BY REPETITIVE BALL DROP

ES ISO 16940 : 2017 1 EDITION 9 P PRICE CODE : E
GLASS IN BUILDING - GLAZING AND AIRBORNE SOUND INSULATION - MEASUREMENT OF THE MECHANICAL IMPEDANCE OF LAMINATED GLASS

ES ISO 28278-2 : 2017 1 EDITION 33 P PRICE CODE : Q
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ES ISO 11479-1 : 2017 1 EDITION 7 P PRICE CODE : D
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ES ISO 28278-1 : 2017 1 EDITION 63 P PRICE CODE : V
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ES ISO 12543-1 : 2017 1 EDITION 4 P PRICE CODE : B
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ES ISO 1288-3 : 2016 1 EDITION 8 P PRICE CODE : D
GLASS IN BUILDING - DETERMINATION OF THE BENDING STRENGTH OF GLASS - TEST WITH SPECIMEN SUPPORTED AT TWO POINTS (FOUR POINT BENDING)

ES ISO 14438 : 2017 1 EDITION 7 P PRICE CODE : D
GLASS IN BUILDING - DETERMINATION OF ENERGY BALANCE VALUE - CALCULATION METHOD

ES ISO 16936-3 : 2017 1 EDITION 13 P PRICE CODE : G
GLASS IN BUILDING - FORCED - ENTRY SECURITY GLAZING - PART 3 TEST AND CLASSIFICATION BY MANUAL ATTACK

ES ISO 1288-4 : 2016 1 EDITION 8 P PRICE CODE : D
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ES ISO 16936-2 : 2017  
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ES ISO 12543-2 : 2017  
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GLASS IN BUILDING - DETECTION OF THE BENDING SPAN OF GLASS - COAXIAL DOUBLE-RING TEST ON FLAT SPECIMENS WITH LARGE TEST SURFACE AREAS

ES ISO 12543-6 : 2017  
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ES ISO 16293-1 : 2017  
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GLASS IN BUILDING - BASIC SODA LIME SILICATE GLASS PRODUCTS - PART 1 DEFINITIONS AND GENERAL PHYSICAL AND MECHANICAL PROPERTIES

ES ISO 1288-5 : 2016  
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GLASS IN BUILDING - LAMINATED GLASS AND LAMINATED SAFETY GLASS - PART 5 DIMENSIONS AND EDGE FINISHING

ES ISO 16932 : 2017  
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GLASS IN BUILDING - EXPLOSION-RESISTANT SECURITY GLAZING - TEST AND CLASSIFICATION FOR ARENA AIR-BLAST LOADING

ES ISO 12543-4 : 2017  
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ES ISO 16934 : 2017  
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ES ISO 18560-1 : 2016  
FINE CERAMICS (ADVANCED CERAMICS, ADVANCED TECHNICAL CERAMICS) - TEST METHOD FOR AIR-PURIFICATION PERFORMANCE OF SEMICONDUCTING PHOTOCATALYTIC MATERIALS BY TEST CHAMBER METHOD UNDER INDOOR LIGHTING ENVIRONMENT - REMOVAL OF FORMALDEHYDE

ES ISO 17142 : 2016  
FINE CERAMICS (ADVANCED CERAMICS, ADVANCED TECHNICAL CERAMICS) - MECHANICAL PROPERTIES OF CERAMIC COMPOSITES AT HIGH TEMPERATURE IN AIR AT ATMOSPHERIC PRESSURE - DETERMINATION OF FATIGUE PROPERTIES AT CONSTANT AMPLITUDE

ES ISO 17942 : 2016  
FINE CERAMICS (ADVANCED CERAMICS, ADVANCED TECHNICAL CERAMICS) - METHODS FOR CHEMICAL ANALYSIS OF BORON NITRIDE POWDERS

ES 1622 : 2005  
TESTING OF ENGINEERING CERAMICS. THERMO-PHYSICAL PROPERTIES. METHOD FOR DETERMINATION OF THERMAL EXPANSION

ES ISO 17860 : 2016  
FINE CERAMICS (ADVANCED CERAMICS, ADVANCED TECHNICAL CERAMICS) - DETERMINATION OF DRYING LOSS OF CERAMIC GRANULES

ES 1623 : 2005  
TESTING OF ENGINEERING CERAMICS. INTRODUCTION AND GUIDE TO SAMPLING

ES ISO 17140 : 2016  
FINE CERAMICS (ADVANCED CERAMICS, ADVANCED TECHNICAL CERAMICS) - MECHANICAL PROPERTIES OF CERAMIC COMPOSITES AT ROOM TEMPERATURE - DETERMINATION OF FATIGUE PROPERTIES AT CONSTANT AMPLITUDE

ES 1404 : 2005  
SIZES OF REFRACTORY BRICKS. SPECIFICATION FOR BRICKS FOR ROTARY CEMENT KILNS

ES 1403 : 2005  
SIZES OF REFRACTORY BRICKS. SPECIFICATION FOR MULTI-PURPOSE BRICKS

ES ISO 20299-2 : 2015  
FILM FOR WRAPPING RUBBER BALES - PART 2 NATURAL RUBBER
ES ISO 20299-3 : 2015 1 EDITION 2 P  PRICE CODE : A
FILM FOR WRAPPING RUBBER BALES- PART 3 ETHYLENE-PROPYLENE-DIENE RUBBER (EPDM), ACRYLONITRILE-BUTADIENE RUBBER (NBR), HYDROGENATED NITRILE-BUTADIENE RUBBER (HNBR), ACRYLIC-ETHYLENE RUBBER (AEM) AND ACRYLIC RUBBER (ACM)

ES ISO 20299-1 : 2015 1 EDITION 4 P  PRICE CODE : B
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RUBBER, RAW - DETERMINATION OF VOLATILEMATTER CONTENT - PART 2 THERMOGRAVIMETRIC METHODS USING AN AUTOMATIC ANALYSER WITH AN INFRARED DRYING UNIT

ES ISO 248-1 : 2012 1 EDITION 13 P  PRICE CODE : G
RUBBER, RAW - DETERMINATION OF VOLATILEMATTER CONTENT - PART 1 HOT-MILL METHOD AND OVEN METHOD

ES ISO 12243 : 2016 1 EDITION 22 P  PRICE CODE : L
MEDICAL GLOVES MADE FROM NATURAL RUBBER LATEX - DETERMINATION OF WATER-EXTRACTABLE PROTEIN USING THE MODIFIED LOWRY METHOD

ES ISO 1802 : 2015 1 EDITION 2 P  PRICE CODE : A
NATURAL RUBBER LATEX CONCENTRATE- DETERMINATION OF BORIC ACID CONTENT

ES ISO 1795 : 2014 2 EDITION 5 P  PRICE CODE : C
RUBBER, RAW NATURAL AND RAW SYNTHETIC - SAMPLING AND FURTHER PREPARATIVE PROCEDURES

ES ISO 2004 : 2015 1 EDITION 3 P  PRICE CODE : B
NATURAL RUBBER LATEX CONCENTRATE - CENTRIFUGED OR CREAMED, AMMONIAPRESERVED TYPES - SPECIFICATIONS

ES ISO 2005 : 2015 1 EDITION 5 P  PRICE CODE : C
RUBBER LATEX, NATURAL, CONCENTRATE - DETERMINATION OF SLUDGE CONTENT

ES ISO 2006-1 : 2015 1 EDITION 7 P  PRICE CODE : D
RUBBER LATEX, SYNTHETIC - DETERMINATION OF MECHANICAL STABILITY - PART 1 HIGH-SPEED METHOD

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ES ISO 1657 : 2015 1 EDITION 3 P  PRICE CODE : B
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### 83.040.20 RUBBER COMPOUNDING INGREDIENTS

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### 83.040.30 AUXILIARY MATERIALS AND ADDITIVES FOR PLASTICS*INCLUDING FILLERS, EXTENDERS, HARDENERS, PIGMENTS, PLASTICIZERS, ETC.

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ES ISO 6603-1 : 2005 (R 2013) 2 EDITION 21 P PRICE CODE : L
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ES 954 : 2003 1 EDITION 21 P PRICE CODE : L
GUIDE TO PRODUCT PACKAGING - FOOD STAFFS AND PERISHABLES

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ALUMINIUM FOIL/VEGETABLE PARCHMENT LAMINATES FOR WRAPPING DAIRY PRODUCTS - SPECIFICATION

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SINGLE-USE CONTAINERS FOR LIQUID DAIRY PRODUCTS - SPECIFICATION

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ES 963 : 2003 (R 2013) 1 EDITION 10 P PRICE CODE : E
CODE OF PACKAGING IN PLASTIC CONTAINERS

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ES ISO 7867-2 : 2016  1 EDITION  22 P  PRICE CODE : L
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ES ISO 5270 : 2012  
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PULPS - LABORATORY SHEETS - DETERMINATION OF PHYSICAL PROPERTIES

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PAPER, BOARD AND PULPS - FIBRE FURNISH ANALYSES - PART 3 HERZBERG STAINING TEST

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ES ISO 8791-2 : 2015  
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PULPS - DETERMINATION OF SALEABLE MASS IN LOTS- PART 2 PULPS (SUCH AS FLASH-DRIED PULPS) BALED IN SLABS
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ES ISO 5267-1 : 2012  1 EDITION  8 P  PRICE CODE : D
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ES ISO 5269-2 : 2012  1 EDITION  7 P  PRICE CODE : D
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tissue paper and tissue products - procedures for sampling and conditioning

#### ES 3735-10 : 2012 (R 2018)

**1 EDITION** 3 P  
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shatter-resistant plastic ruler.

#### ES ISO 12625-3 : 2017

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tissue paper and tissue products - determination of thickness, bulking thickness and apparent bulk density and bulk

#### ES ISO 22414 : 2015

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paper - cut-size office paper - measurement of edge quality

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#### ES 1124 : 2005 (R 2015)

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COATING POWDERS - PART 6 DETERMINATION OF AEL TIME OF THERMOSETTING COATING POWDERS AT A GIVEN TEMPERATURE

ES ISO 1513: 2014  
**1 EDITION** 4 P  
**PRICE CODE:** B
PAINTS AND VARNISHES - EXAMINATION AND PREPARATION OF TEST SAMPLES

ES ISO 4628-10: 2014  
**1 EDITION** 5 P  
**PRICE CODE:** C
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ES ISO 2812-4: 2016  
**1 EDITION** 7 P  
**PRICE CODE:** D
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ES ISO 2812-5 : 2016  1 EDITION  6 P  PRICE CODE : C
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ES ISO 1518-1 : 2014  1 EDITION  6 P  PRICE CODE : C
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ES ISO 4628-6 : 2002  1 EDITION  3 P  PRICE CODE : B
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### 91.010.30 TECHNICAL ASPECTS Including Tolerances, Modular Coordination, ETC. *CONSTRUCTION DRAWINGS*

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### 91.020 PHYSICAL PLANNING. TOWN PLANNING

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### 91.040.01 BUILDINGS IN GENERAL *INCLUDING BUILDING ENVIRONMENT DESIGN *BUILDING MATERIALS

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BUILDING SETTING OUT AND MEASUREMENT CHECK-LISTS FOR THE PROCUREMENT OF SURVEYS AND MEASUREMENT SERVICES  

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ES 6499 : 2019  
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ES 6504 : 2019  
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ES ISO 6782 : 2014  
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ES ISO 6783 : 2014  
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ES ISO 7033 : 2014  
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ES 2382 : 2005 (R 2012)  
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ES 2389 : 2005 (R 2012)  
DETERMINATION OF STEEL STRESSES IN UNLOADED REINFORCED COMPONENTS MADE OF AUTOCLAVED AERATED CONCRETE

ES 2398 : 2005 (R 2012)  
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### 91.100.40 PRODUCTS IN FIBRE-REINFORCED CEMENT

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ES 2459 : 2016  2 EDITION   5 P  PRICE CODE : C
BITUMEN AND BITUMINOUS BINDERS - DETERMINATION OF BREAKING BEHAVIOUR - PART 2
DETERMINATION OF FINES MIXING TIME OF CATIONIC BITUMINOUS EMULSIONS

ES 2466 : 2005  1 EDITION   6 P  PRICE CODE : C
BUILDING CONSTRUCTION - JOINTING PRODUCTS - DETERMINATION OF EXTRUDABILITY OF SEALANTS USING STANDARDIZED APPARATUS

ES 2436 : 2016  2 EDITION   7 P  PRICE CODE : D
BITUMEN AND BITUMINOUS BINDERS - PREPARATION OF TEST SAMPLES

ES 2460 : 2016  2 EDITION   9 P  PRICE CODE : E
BITUMEN AND BITUMINOUS BINDERS - DETERMINATION OF THE EFFLUX TIME BY THE EFFLUX VISCOMETER - PART C2U T- BACK AND FLUXED BITUMINOUS BINDERS

ES 2458 : 2005  1 EDITION  12 P  PRICE CODE : F
METHODS OF TEST FOR PETROLEUM AND ITS PRODUCTS BS 2000-494 BITUMEN AND BITUMINOUS BINDERS - DETERMINATION OF BREAKING BEHAVIOUR - PART 1 DETERMINATION OF BREAKING VALUE OF CATIONIC BITUMEN EMULSIONS, MINERAL FILLER METHOD

ES 2457 : 2016  2 EDITION   7 P  PRICE CODE : D
BITUMEN AND BITUMINOUS BINDERS - RECOVERY OF BINDER FROM BITUMINOUS EMULSION OR CUT-BACK OR FLUXED BITUMINOUS BINDERS - PART 1 RECOVERY BY EVAPORATION

ES 2455 : 2016  2 EDITION   4 P  PRICE CODE : B
BITUMEN AND BITUMINOUS BINDERS - DETERMINATION OF THE PH VALUE OF BITUMINOUS EMULSIONS

ES 2452 : 2016  2 EDITION   6 P  PRICE CODE : C
BITUMEN AND BITUMINOUS BINDERS - DETERMINATION OF SETTLING TENDENCY OF BITUMEN EMULSIONS

ES 2437 : 2016  2 EDITION  16 P  PRICE CODE : H
BITUMEN AND BITUMINOUS BINDERS - DETERMINATION OF DYNAMIC VISCOSITY BY VACUUM CAPILLARY

ES 2441 : 2016  2 EDITION   12 P  PRICE CODE : F
BITUMEN AND BITUMINOUS BINDERS – DETERMINATION OF THE RESISTANCE TO HARDENING UNDER THE INFLUENCE OF HEAT AND AIR – PART 1 RTFOT METHOD

ES 2449 : 2005  1 EDITION  10 P  PRICE CODE : E
BITUMINOUS MIXTURES - TEST METHODS FOR HOT MIX ASPHALT - PART 32 LABORATORY COMPACTION OF BITUMINOUS MIXTURES BY VIBRATORY COMPACTOR

ES 2442 : 2016  2 EDITION   8 P  PRICE CODE : D
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BITUMEN AND BITUMINOUS BINDERS - DETERMINATION OF PARTICLE POLARITY OF BITUMEN EMULSIONS

BITUMEN AND BITUMINOUS BINDERS – DETERMINATION OF THE FRAASS BREAKING POINT

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ES 2502 : 2005  
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**PRICE CODE : C**

ES 2500 : 2005  
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**PRICE CODE : B**

ES 2499 : 2005  
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**PRICE CODE : D**

ES 2486 : 2005  
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**PRICE CODE : C**

ES 2434 : 2016  
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**PRICE CODE : C**

ES 2487 : 2005  
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**PRICE CODE : C**

ES 2498 : 2005  
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**PRICE CODE : B**

ES 2489 : 2005  
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91.100.60 THERMAL AND SOUND INSULATING MATERIALS

ES 2973 : 2006 (R 2012)  
**BUILDING ACOUSTICS – ESTIMATION OF ACOUSTIC PERFORMANCE OF BUILDINGS FROM THE PERFORMANCE OF ELEMENTS**  
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**PRICE CODE : V**

ES 2557 : 2005  
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**PRICE CODE : B**

ES 2561 : 2005  
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**PRICE CODE : C**

ES 2556 : 2005  
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**PRICE CODE : F**
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97.150  NON-TEXTILE FLOOR COVERINGS

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ES ISO 8543 : 2015  1 EDITION  8 P  PRICE CODE : D
TEXTILE FLOOR COVERINGS - METHODS FOR DETERMINATION OF MASS

ES ISO 6347 : 2015  1 EDITION  4 P  PRICE CODE : B
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ES ISO 11859 : 2016  1 EDITION  4 P  PRICE CODE : B
TEXTILE FLOOR COVERINGS - PURE WOOL,HAND-KNOTTED PILE CARPETS -SPECIFICATION

97.160  HOME TEXTILES. LINEN *INCLUDING DUVETS, BLANKETS, BEDDING *ELECTRIC BLANKET

ES 6278 : 2018  1 EDITION  5 P  PRICE CODE : C
STANDARD SPECIFICATION FOR WOVEN AND KNITTED COMFORTER AND ACCESSORY PRODUCTS FOR INSTITUTIONAL AND HOUSE HOLD USE

97.170  BODY CARE EQUIPMENT *INCLUDING HAIR-DRIERS, RAZORS, SHAVERS, TOOTHBRUSHES, MASSAGE APPLIANCES, RADIATION SKIN TREATMENT APPLIANCES, ETC.

ES 11609 : 2015  1 EDITION  24 P  PRICE CODE : M
DENTISTRY - DENTIFRICES - REQUIREMENTS, TEST METHODS AND MARKING

ES ISO 22254 : 2016  1 EDITION  7 P  PRICE CODE : D
DENTISTRY - MANUAL TOOTHBRUSHES - RESISTANCE OF TUFTED PORTION TO DEFLECTION

97.180  MISCELLANEOUS DOMESTIC AND COMMERCIAL EQUIPMENT*INCLUDING SCISSORS, AQUARIUM EQUIPMENT, ARTICLES FOR DOMESTIC ANIMALS, BATTERY CHARGERS, MOPS, INSECT ELECTROCUTORS, LIGHTERS, MATCHES, PAPER CLIPS, PENS, PENCILS, ETC.

ES ISO 11540 : 2005 (R 2012)  1 EDITION  4 P  PRICE CODE : B
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ES 12757-1: 2012  1 EDITION  9 P  PRICE CODE : E
BALLPOINT PENS AND REFILLS PART 1 GENERAL USE

ES ISO 9177-3 : 2005 (R 2012)  1 EDITION  3 P  PRICE CODE : B
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ES 3829 : 2017  1 EDITION  5 P  PRICE CODE : C
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ES 3824 : 2018  1 EDITION  7 P  PRICE CODE : D

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