

SYNOPSIS OF INDIAN STANDARDS

<p>Number and Title of the Indian Standard:</p>	<p>IS 1367 (Part 11) : XXXX / ISO 4042 : 2018 इस्पात के चूड़ीदार बंधको की तकनीकी पूर्ति शर्तें भाग विद्युत 11निक्षेपित लेपन सिस्टम्स (चौथी पुनरीक्षण) Technical Supply Conditions for Threaded Steel Fasteners Part 11 Electroplated Coating Systems (Fourth Revision of IS 1367 (Part 11)/ISO 4042:2018) ICS 21.060.01</p>
<p>Scope:</p>	<p>This document specifies requirements for electroplated coatings and coating systems on steel fasteners. The requirements related to dimensional properties also apply to fasteners made of copper or copper alloys.</p> <p>It also specifies requirements and gives recommendations to minimize the risk of hydrogen embrittlement; see <u>4.4</u> and <u>Annex B</u>.</p> <p>It mainly applies to zinc and zinc alloy coating systems (zinc, zinc-nickel, zinc-iron) and cadmium, primarily intended for corrosion protection and other functional properties:</p> <ul style="list-style-type: none"> — with or without conversion coating; — with or without sealant; — with or without top coat; — with or without lubricant (integral lubricant and/or subsequently added lubricant). <p>Specifications for other electroplated coatings and coating systems (tin, tin-zinc, copper-tin, copper-silver, copper, silver, copper-zinc, nickel, nickel-chromium, copper-nickel, copper-nickel-chromium) are included in this document only for dimensional requirements related to fasteners with ISO metric threads.</p> <p>This document applies to bolts, screws, studs and nuts with ISO metric thread, to fasteners with non-ISO metric thread, and to non-threaded fasteners such as washers, pins, clips and rivets.</p> <p>Information for design and assembly of coated fasteners is given in <u>Annex A</u>.</p> <p>This document does not specify requirements for properties such as weldability or paintability.</p> <p>NOTE Other Standards specify differing electroplating processes. For electroplating of fasteners, the requirements of this document apply, unless otherwise agreed.</p>
<p>Salient features of content</p>	<p>This standards delineates the requirements for electroplated coatings and coating systems on steel fasteners. It clearly describes the procedures and various types of coatings systems.</p>