

ISO/FDIS 11772:2024(E)

ISO/TC 17/SC 3

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Hot-rolled longitudinally profiled steel plate

Tôle d'acier profilée longitudinalement laminée à chaud

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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This document was prepared by Technical Committee ISO/TC 17, *Steel*, Subcommittee SC 3, *Steels for structural purposes*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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3.2

equal thickness section

longitudinally profiled steel section with parallel upper and lower surfaces

3.3

variable thickness section

longitudinally profiled steel section with non-parallel upper and lower surfaces

3.4

slope

k

gradient of thickness between the two ends of variable thickness section

Note 1-to-entry:- The slope is calculated as follows: Half thickness of the thick end minus half thickness of the thin end of the variable thickness section, divided by the length of the variable thickness section. The unit of the slope is %.

EXAMPLE:

The slope of type LP01: $k = (h_2/2 - h_1/2) / L_1$

where

k is the slope of type LP01 steel plate

h_1 is the thickness of the thin end section

h_2 is the thickness of the thick end section

L_1 is the length of the LP steel plate

EXAMPLE

The slope of type LP01: $k = (h_2/2 - h_1/2) / L_1$

where

k is the slope of type LP01 steel plate

h_1 is the thickness of the thin end section

h_2 is the thickness of the thick end section

L_1 is the length of the LP steel plate

4 Classification and designation

4.1 Classification

There are 10 different commonly used types of LP steel plates, from Type 01 to Type 10. [Figure 1](#) shows the shapes of the different types. Other types of LP steel plates may also be supplied by agreement between the purchaser and manufacturer.

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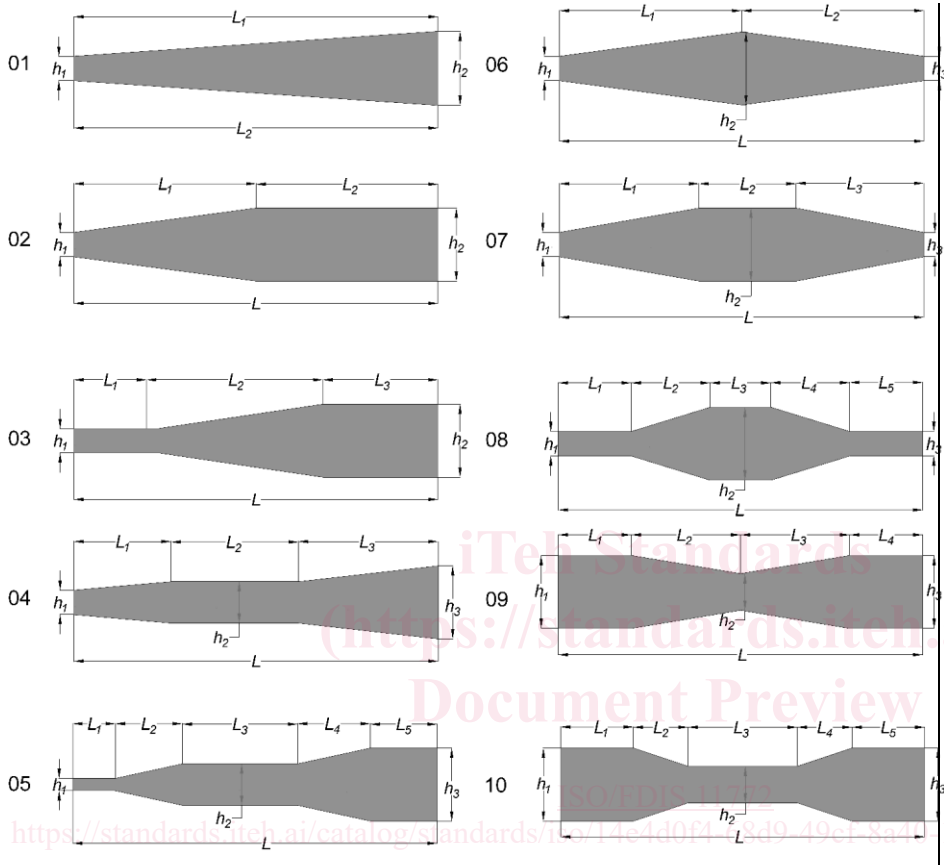
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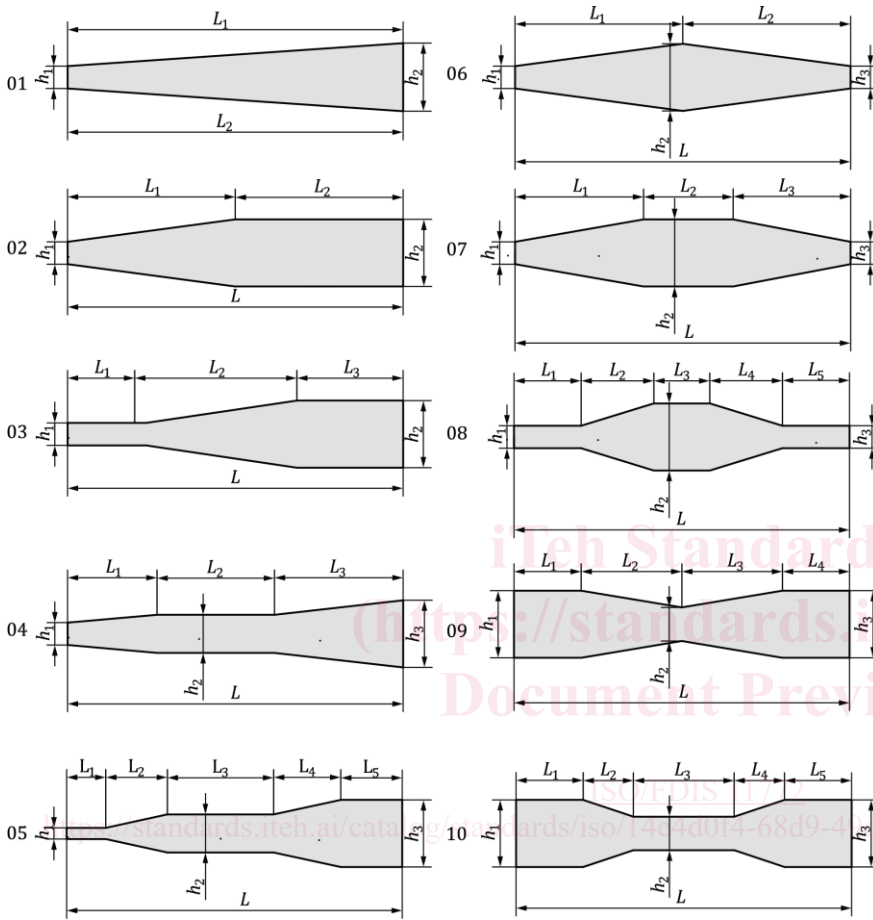
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Key

01 to 10 types of LP steel plates

$h_1/h_2/h_3$ thickness in different sections of LP steel plate

L total length of LP steel plate

$L_1/L_2/L_3/L_4/L_5$ length in different sections of LP steel plate

NOTE LP plate from type 01 to 05 has the thickest and thinnest sections on both ends. LP plate from type 06 to type 10 has the thickest and thinnest sections on the middle of length.

Figure 1 — Commonly used types of LP steel plates

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