


Rev. 1.00 Page 1/(2)	<b>EC100 Standard for 2D Documentation</b>		
<u>Doc. No.</u>	<u>Status</u>	<u>Responsibility</u>	<u>Date</u>
	Released	Kirchhoff Ecotec	25.02.2022

## Subject & Purpose

This instruction contains a list of norms being valid for all drawings and which are to be considered if no other requirements are indicated in the drawing.

The purpose of this instruction is, that all drawings are created under the same conditions, and that the drawn parts are manufactured according to the requirements.

## Scope & Responsibilities


- Employees engineering: for new drawings
- Employees purchase department: regarding the purchase of drawing parts which are additionally intended as a documentation basis for suppliers
- Suppliers: for parts production

## Description

Standard contains the Norms which are generally taken into account as Norms common to Kirchhoff Ecotec Design Departments when preparing the documentation and construction.

Norms not listed below should be raised as required in separate, local documents or standards adequate to this document.

NORM	Title / Description	Remarks
ISO 8015	Technical Specifications and Technical Reports concerning dimensional and geometrical product specifications (GPS) and verification. This International Standard applies to the interpretation of GPS indications on all types of drawings.	
ISO 286	Fits & Tolerances for fixed holes	
ISO 2768-1	Dimensions tolerances: linear, angular tolerances	Tolerance mK
ISO 2768-2	Dimensions tolerances: shape and placing tolerances	Tolerance mK
ISO 9692-1	Welding processes and welding preparation	
ISO 1090	Regulation the fabrication and assembly of steel and aluminium structures and are recognized by the Construction Products Regulation.	

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DIN 30630	Technical drawings - General tolerances in mechanical engineering - Tolerance rule and general plan	
EN 10051	Continuously hot-rolled strip and plate/sheet cut from wide strip of non-alloy and alloy steels - Tolerances on dimensions and shape	
EN 10204	Metallic products - Inspection documents	
EN 5817	Welding - fusion welded joints in steels, nickel, titanium	Level D
EN ISO 1101	Geometrical product specification	
EN ISO 13920	Welding - general tolerances for welded constructions	
ISO 10042	Welding — Arc-welded joints in aluminium and its alloys — Quality levels for imperfections	Level D
EN ISO 5455	Technical drawings scale	
EN ISO 5457	Technical product documentation - Sizes and layout of drawing sheets	
ISO 16016	Technical product documentation. Protection notice	
ISO 9013	Thermal cutting — Classification of thermal cuts — Geometrical product specification and quality tolerances	Flame cutting 9013-332  Laser cutting 9013-221
DIN 6930	Stamped steel parts - Part 2: General tolerances	
ISO 2553	Welding and allied techniques - Symbolic representations on drawings - Assembly. This document defines the rules for representing	
ISO 17635	Lifting and handling - Execution and testing of welded joints in lifting and handling equipment - Part 2: Welding quality classes and scope of non-destructive testing	
DIN 6935	Cold bending of flat-rolled steel products	
ISO 1302	Symbols used to describe geometric structure of products surface in the technical documentation. Specifications of product geometry	
ISO 13715	Edges of machined components - vocabulary and drawing specifications	