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Hidden Lines In Engineering Drawings

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Hidden line | drafting | Britannica
It has cited an example of a mechanical engineering drawing where it is using a dashed line with 0.18mm thickness for a hidden line. On the other hand it says that for internal threads we should use hidden lines with

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0.35mm thickness. And further it says that only one thickness of hidden should be used.

What is the purpose of hidden lines and center lines in ... I have heard two schools of thought concerning hidden lines: 1) Always show all hidden lines unless it creates too much clutter. 2) Never use hidden lines unless it helps to clarify the shape of the part (in other words, if the the part is defined with, say, 3 or more views/sections and those views are enough to clarify the shape of the part, no hidden lines are needed).


Engineering drawing - Wikipedia

To draw hidden lines, locate the center of the holes,

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edges of the cuts, and the adjoining corners of the exterior edges. Then, using a straight edge, draw a dashed line through the circle or from the corresponding edge/corner in the direction it should go. Be sure that the dashes are uniformly spaced and drawn appropriately.

Line weights & Thicknesses in Engineering Drawings ...

To make a hidden line visible Right-click the view; Click in the drop-down menu Edit View... In the dialog box Drawing View click on the Hidden Line button. If you see this icon  , it means that you have activated the checkbox on Style above the buttons. After clicking the OK button, you should see the hidden lines, in the view(s).

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Engineering Drawing and Sketching - University of Minnesota

An engineering drawing, a type of technical drawing, is used to fully and clearly define requirements for engineered items.. Engineering drawing (the activity) produces engineering drawings (the documents). More than merely the drawing of pictures, it is also a language—a graphical language that communicates ideas and information from one mind to another.

how to show the hidden lines of selected compon ...

Usually hidden (dotted) lines are not used on the cross-section unless they are needed for dimensioning purposes. Also, some hidden lines on the non-sectioned

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part of the drawings are not needed (figure 12) since they become redundant information and may clutter the drawing.

Hidden Lines

Usually hidden (dotted) lines are not used on the cross-section unless they are needed for dimensioning purposes. Also, some hidden lines on the non-sectioned part of the drawings are not needed (figure 12) since they become redundant information and may clutter the drawing.

Technical Drawing in Three Dimensions: 10 Steps
The overlapped areas of the objects that lie behind

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(referred to as the background) are drawn as hidden lines. Objects overlapping each other in this manner are said to be involved in a "hide situation". Any closed contour on a contour layer or a non-mechanical layer can be selected as a foreground object.

Hidden & Center Lines

Hidden lines are used to show surfaces that are not directly visible. All surfaces must be shown in all views. If an edge or surface is blocked from view by another feature, it is drawn using a hidden line.

Autodesk® Inventor®: How to display hidden lines |
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... iti drawing paper - Duration: 25:59. I.T.I technical support 214,110 views.

Engineering Drawing & CAD Standards - Faculty Web
Other articles where Hidden line is discussed: drafting:
Hidden lines: ...of an object that is hidden from view. A drafter—in deciding whether a line in a view should be represented as hidden or as visible—relies on the fact that in third-angle projection the near side of the object is near the adjacent view, but in first-angle projection the near side...

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Why do we use hidden lines in engineering drawing? -
Quora

G; Continuous Thin Zigzag Line: It is used when free hand lines are drawn by tools. H; Free Hand Line: Limits of partial and interrupted views and sections. I; and J; Parts situated in front of the cutting planes, outlines of adjacent parts, Censorial Lines, to state center of gravity. ANSI Technical Drawing Views. A: Projected Two View Drawing;

What is the useful of hidden lines in the engineering Drawing?

Hidden or broken lines are used to see what is hidden or behind a solid object, or if you are creating a pattern

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development, hidden lines are used to know what part is being folded. There are many types of lines used in engineering drawing and it varies on what type of pencil you are using, but the three main lines that are used are: Hidden lines, Construction lines and Solid lines.

Technical Drawings Lines, Geometric Dimensioning and

...

On engineering drawings, the priority hierarchy is object line, hidden line, center line. A centerline can be drawn extending beyond the physical edges of the part, a hidden line cannot.

About Drawing Hidden Lines | AutoCAD Mechanical 2016

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...

Engineering Drawing & CAD Standards 2010 9 0 0 0 W e s t
t C o l l e g e P a r k w a y , P a l o s H i l l s , I l l i n o i s , 6
0 4 6 5 Page II-9 H. When a cutting-plane line is
coincident with a visible, hidden, or center line, the
cutting-plane line shall take precedence. I.

Hidden Lines In Engineering Drawings

Hidden lines It is standard practice to use dashes to
represent any line of an object that is hidden from view.
A drafter—in deciding whether a line in a view should be
represented as hidden or as visible—relies on the fact that
in third-angle projection the near side of the object is

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near the adjacent view, but in first-angle projection the near side of the object is remote from the adjacent view.

Design Handbook: Engineering Drawing and Sketching ...
A hidden line is a .3 mm to .5 mm dashed line. It shows features, such as holes, in a view they are not in. The feature will be shown in another view of the drawing.

Hidden Lines - Drafting Standards, GD&T & Tolerance ...
Line Types in Technical Drawings - Duration: 2:39. Mr. Dillman's Tech Channel 73,284 views

Types of Lines in Technical Drawing | Career Trend
As you know there were more hidden lines in it. for

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detailing purpose i like to highlight some of the hidden lines for reference in a hidden line removed condition. To my knowledge one way is to go to hidden lines visible mode and from there you can hide all except the wanted edges but its a time consuming purpose.

Drafting - Hidden lines | Britannica

Hidden lines are having depth explanation behind according to the drawing system. In the engineering drawing lines are understood only by draftsmen and manufactures as well as drawing experts. Hidden lines. Hidden lines are showing the surfaces of the drawing but the lines are not visible directly. The hidden lines are appearing very less color and thin with dotted.

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