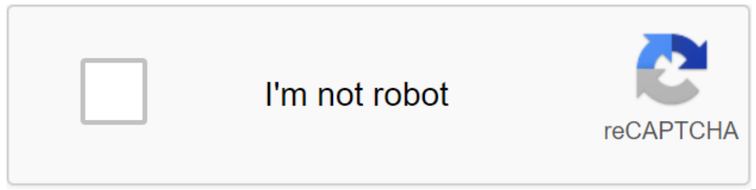

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Solidworks advanced drawing tutorial pdf

So you've finished (or tested out) SOLIDWORKS Essentials of course. Congratulations! Now you're ready to start immersing yourself deeper into the SOLIDWORKS interface and learning the nuances that make it such an amazing tool for manufacturers around the world. Welcome to Part 2 of our Ultimate Guide to the SOLIDWORKS Training Series. This time we're going through the entire SOLIDWORKS Drawings course, answering any questions that might arise, so you know exactly what to expect on the first day of class. SOLIDWORKS Training - Drawings The purpose of this course is to teach you how to create engineering drawings of parts and assemblies using SOLIDWORKS mechanical design automation software. SOLIDWORKS software, and drawings area in particular, is on such a robust and feature-rich application that it is impractical to cover every minute of the details and aspect of the software and still course a reasonable length. Thus, the focus of this course is on the fundamental skills and concepts that are central to the successful design of engineering drawings. Once you have developed a good foundation in basic skills, you can turn to online help to get information on less commonly used team options. COURSE BREAKDOWNPrerequisites Students attending this course are expected to have: Mechanical Design Experience. Completed the course SOLIDWORKS Essentials. Experience with windows operating system Course Design Philosophy This course is designed around a process or task based on the approach to learning. A process-based training course emphasizes the processes and procedures you follow to complete a particular task. Using case studies to illustrate these processes, you'll learn the commands, options, and menus you need in the context of the task. Laboratory exercises give you the opportunity to apply and practice the material covered during the lecture/demonstration part of the course. They are designed to represent typical design and modeling situations, being modest enough to be completed during class. It should be noted that many students work at different rates. Thus, we have included more laboratory exercises than you reasonably expect to complete during the course. This ensures that even the fastest student will not work. So what do you learn? Lesson 1: Review of BasicsLesson 2: Understanding Painting TemplatesLesson 3: Setting Up a Sheet FormatLesson 4: Saving and Testing the FileLesson Sheet Format 5: Creating Additional Sheet Formats and TemplatesLesson 6: Advanced Drawing Options ViewsLesson 5: Creating Additional Sheet Formats and ModelsLesson 6: Advanced Options for Drawing ViewsLesson 57: Understanding ViewsLesson 8: Understanding ViewsLesson 8: Understanding Detail ToolsLesson 9: Advanced Options for BOM TablesLesson 10: Additional SOLIDWORKS TablesLesson 11: Additional Drawing ToolsLesson 12: Performance Management Lesson Breakdown 1: Overview of the Basics of the Basics This lesson will teach you how: Understanding system options for SOLIDWORKS drawings. Use a palette of view patterns. Create basic views of the drawings, such as modeling views, section views, details, and deleted views of sections. Use the basic functions of the model elements team. Use a quick-measure selector to place sizes to represent the drawing. Use the basic functions of the measurement palette. Create a BOM table and balloons to assemble the drawings. Create basic annotations such as central signs, central lines, and notes. Lesson 2: Understanding Drawing Patterns This lesson will teach you how: Understanding the structure of the drawing document. Learn steps to create a set of drawing patterns and sheet formats. Develop a drawing pattern without a sheet format file. Determine the location of the file for custom document templates. Lesson 3: Setting up a sheet format This lesson will teach you how: Create a custom header block. Use the automatic border tool. Set the table anchors. Identify the edited headline block fields. Lesson 4: Saving and testing the sheet format file This lesson will teach you how: Understand the behavior of the sheet format. Save the sheet format file. Reboot the sheet format file. Determine the location of the new sheet format file in the options. Lesson 5: Creating additional sheet formats and templates This lesson will teach you how: Use an existing sheet format file for a new sheet size format. Create a drawing document template that includes a sheet format file. Use the property tab builder. Understanding custom property files. Lesson 6: Advanced Drawing Options Views This lesson will teach you how: Control the visibility of hidden edges in the view. Create advanced view types such as Broken-Out Section Views, Auxiliary Views, Crop Views, and Alternative Position Views. Understand how to rotate views and align them to be horizontal on a drawing sheet. Use the Area settings to represent the build section. Create custom view orientations to draw views. Lesson 7: Understanding The Annotation Views This lesson will teach you how: Displaying and activating annotation of views in a model. Insert new views annotations. Edit existing view annotations. Assign dimensions to existing annotation views. Understand how an abstract treats imports into drawing submissions. Update the annotations in the picture. Lesson 8: Advanced Detail Tools This lesson will teach you how: Understand the difference between importing annotations of views and using the Elements model command. Create parametric notes. Create different types of measurements, such as Chamfer sizes, ordinal and base sizes. Use size alignment tools. Automating the reuse of measurement properties. Create location tags for parent and parent views. Lesson 9: Advanced Options for BOM Tables This lesson will teach you how: Understand the different types of BOM. Show and change change structure in the BOM table. Add and identify the columns in the BOM table. Create a table pattern. Understand how to determine component numbers and other component parameters for BOM. Learn how to find which BOM items have a balloon of annotations attached. Lesson 10: Additional SOLIDWORKS Tables This lesson will teach you how: Create and change the hole table. Divide the table. Understand how to change the table settings for blanks, boundaries, and anchor points. Use the revision table and add revision symbols. Use leader annotation options, such as adding a leader, inserting a new branch, and adding a jogging point. Use the design table in the drawing. Lesson 11: Additional Drawing Tools This lesson will teach you how: Open drawing with a new model with a link. Save a copy of the drawing and the reference model in one operation. Compare similar drawings with drawCompare. Use solidWORKS Design Checker to test the company's standards in the drawing. Use the SOLIDWORKS task schedule to perform batch operations for the drawings. Lesson 12: Performance Management This lesson will teach you how: Use the performance evaluation tool. Understand how detailing practices and options can affect performance. Use open-source options to select an open mode and a selected sheet to improve performance. Create separate drawings. Identify hardware, window settings, and SOLIDWORKS techniques that can improve performance. The conclusion is so you have. If you're interested in reserving space for the next SOLIDWORKS Drawings Course offered at Alignex, check out our training calendar for dates and places. For any questions, feel free to contact our training coordinator directly by calling (952) 288-2627 or by email at training@alignex.com make sure to subscribe to the Alignex blog to avoid missing out on future leadership classes as well as other technology tips and news from the world of SOLIDWORKS. Editor's note: This post was originally published in November 2017 and has been updated for accuracy and completeness. Exercise files - to help you become experienced with the material. The brief, informative and broadcast qualities of SolidWorks Drawing Basic training videos delivered to your desktop. The ability to learn at its own pace with our intuitive, easy-to-use interfaceA quickly understand even the most sophisticated SolidWorks Drawing basic subjects because they are broken down into simple, easy-to-follow tutorial videos To finish SolidWorks 2018 Basic LearningAcsive Solidworks 2018 or laterInternet Connections and PC In this SolidWorks Drawing Basic Training Course, expert author Asif Ahmed, a certified SolidWorks expert (CSWE) will teach you how drawing with a variety of tools in SolidWorks. This course is designed for beginners and intermediate users, meaning little experience with SolidWorks is required. If someone is someone to fill up his/her gap regarding the SolidWorks drawing theme, then this is also the right course for them. Follow along with our expert instructor in this training course to get: Brief, informative and broadcast quality SolidWorks Drawing basic training videos delivered to your desktop. 3.0 hours HD video tutorials Over 52 individual video lectures Exercise files - to help you become experienced with the material. The ability to learn at its own pace with our intuitive, easy-to-use Interface is a quick insight into even the most sophisticated SolidWorks Drawing basic subjects because they are broken down into simple, easy-to-follow tutorial videos. Once you have completed this computer training course, you will be fully able to use these tools and techniques to create your own drawing and gain control perfectly using this 3D simulation software. Work files are included, allowing you to follow along with the author throughout the lesson. In this series of SolidWorks Drawing Essential video tutorials, you'll quickly have the appropriate skills for real-world applications. Engineering graduateCAD drafterSolidWorks User 00:0003:170202. Custom profile in detail view03:1303:410204. Enhanced view with a break viewing tool and section01:2702:300206. A broken view of section05:410207. An alternative view of the position05:000208. Line cutting options in the view section tool04:020209. Custom cutting line for circular part04:320210. Custom cutting line for non-solar part03:420211. Half of the option section in the tool01:030212 view section. Apply the section viewing tool at the assembly level03:470213. Highlight the contours of the cut faces in view01:420214. Model Break View Tool03:560301. Insert a custom type view in the drawing02:140302. 3D drawing viewing tool02:170303. A predetermined performance tool04:340304. Add a blown-up look to the drawing sheet. Converting the view into a sketch or block2:150306. Mirror drawing view02:420307. The scale of the hatch pattern01:460401. The difference between driving and driving is 1:460402. Add the driving size05:190403. Add a manageable measurement. Measurement properties05:260405. Control of the style04:500406. Measuring properties from one location. Corner measurement advanced capabilities02:080501. Add the central mark automatically.340502. Align the balloon with a magnetic line03:530503. Add a balloon with an automatic balloon. Balloon asterisk and spline leader02:490601. Apply the datum03:090602 symbol. Add a geometric tolerance frame to the drawing04:410603. Insert a date and date point line Add the score of the material to the drawing sheet. Important options and feature in the material table06:550704. The hole of the table features04:440705. Add and change the bend table. Add a revision table and symbol04:4202:350708. Insert the common table2:530901. Understanding the properties of the sheet02:33 Explore CAD CAD Online4.3 Instructor Rating4,854 Reviews13,996 Students63 Courses Asif4u eLearning to develop high quality CAD training courses. We have developed this course in the house, so you see us as an instructor. Mix the design, development and engineering analysis of various complex plastic consumables, fittings, equipment, industrial furniture of the large cargo industry and electrical components. Experts in engineering analysis such as structural analysis, thermal structural analysis, plastic and rubber parts analysis, vibration analysis, frequency analysis, linear stress analysis, fatigue analysis, drop Test analysis using SolidWorks simulation, HYPERWORKS, ADAMS, LS-DYNA and MSC NASTRAN. Nastran. solidworks advanced drawing tutorial pdf