

Course Outline

SOLIDWORKS Routing - Piping and Tubing	
Description	Routing - Piping and Tubing explains how to create, edit and manage Piping and Tubing routes, from the critical routing components and their design requirements to the subassemblies that contain the routes.
Prerequisites	Equivalent or in addition to SOLIDWORKS Essentials
Duration	2 days
Delivery Mode	Face to Face OR Online

<p>Lesson 1: Fundamentals of Routing What is Routing? Routing Setup Routing Library Manager General Routing Settings</p> <p>Lesson 2: Piping Routes Piping Routes Pipes and Piping Components Routing Assembly Templates Creating a Piping Route Auto Route Route Specification Templates Editing a Route Routing Along Existing Geometry</p> <p>Lesson 3: Piping Fittings Piping Fittings Drag and Drop a Fitting Creating Custom Fittings</p> <p>Lesson 4: Tubing Routes Tubing Routes Tubes and Tubing Components Flexible Tubing with Auto Route Orthogonal Tubing Routes with Auto Route Bend and Spline Errors Tubing Drawings</p>	<p>Lesson 5: Piping and Tubing Changes Piping and Tubing Changes Pipe Penetrations Flange to Flange Connections Pipe Spools Copying Routes Adding Slope Editing Piping Routes Editing for Obstructions Piping Drawings</p> <p>Lesson 6: Creating Routing Components Routing Library Parts Libraries Creating Routing Library Parts Pipe and Tube Components Copying Routing Components Routing Library Manager Fitting Components Routing Functionality Points Routing Geometry Part Validity Check Design Table Check Component Attributes Elbow Components Valve Components</p> <p>Lesson 7: Using P&ID Files Piping and Instrumentation Adding a Pipe Pipe with Multiple Lines Pipes with In-line Fittings Process Drawings</p>	<p>Lesson 8: Electrical Ducting, Cable Tray, and HVAC Routes Electrical Ducting, Cable Tray, and HVAC Routes Electrical Ducting Routes Cable Tray Routes HVAC Routes</p> <p>Lesson 9: Piping Skids Piping Skids Grid System Feature Weldments Walk-through Animations Avatar Paths</p> <p>Lesson 10: Using SOLIDWORKS Content Using SOLIDWORKS Content</p> <p>Appendix A: Review Section Review of Configurations A Note About File References Design Tables Review of Top Down Design Editing Options Review of Design Library Task Pane Review of 3D Sketching</p>
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