

AUTODESK FUSION 360

2026

BLOG

 www.cadin360.com


cadin360°
Learning Tutorials

A Note to Our Readers

2026

This blog has been created using a combination of artificial intelligence tools and human review to help deliver clear, structured, and up-to-date learning content.

All technical topics, examples, and workflows are curated to support learning and skill development. While every effort is made to ensure accuracy and clarity, readers are encouraged to validate concepts through hands-on practice and documentation. Our goal is to make learning more accessible, efficient, and practical for everyone.

Disclaimer:

All product names, logos, brands, and registered trademarks mentioned in this publication are the property of their respective owners and are used for identification purposes only.

— CADIN360 Team

WHAT PRESS PULL TOOL DOES IN FUSION 360

• LEARN • • APPLY • • GROW •

Introduction

Fusion 360, Autodesk's powerful cloud-based CAD and CAM software, offers a comprehensive suite of tools for product design, engineering, and manufacturing. Among its array of features, the Press Pull tool stands out as a versatile and user-friendly function ideal for creating and editing 3D models with ease. If you're new to Fusion 360 or want to deepen your understanding of its tools, knowing what the Press Pull tool does is essential. In this blog post, we'll explore the purpose, applications, step-by-step instructions, tips, and common mistakes associated with the Press Pull tool in Fusion 360. Whether you're designing prototypes, modifying parts, or working on complex assemblies, mastering this feature will significantly enhance your modeling workflow.

What Does the Press Pull Tool Do in Fusion 360?

The Press Pull tool in Fusion 360 is a dynamic, interactive feature that allows users to modify the geometry of their models efficiently. It combines the functions of pushing, pulling, and extending faces or features within a single, intuitive interface. Essentially, the tool enables users to update their 3D designs by directly manipulating the geometry, rather than going through multiple parametric steps.

How is Press Pull Different from Other Modeling Tools?

Unlike traditional extrude or cut features that require predefined sketches, the Press Pull tool works directly on existing geometry. This makes it ideal for quicklyifying shape adjustments, making localized modifications, or exploring design options without creating additional sketches or features. It's a hybrid of freeform editing and parametric control, giving users both flexibility and precision.

Core Applications of the Press Pull Tool

Understanding what the Press Pull tool does is easier by exploring its practical applications:

- **Quick Model Adjustments:** Make rapid modifications to existing features without disrupting the design workflow.
- **Adding Material or Removing Material:** Push faces outward to add volume or pull faces inward to subtract material.

- **Refining Shapes:** Fine-tune complex curves or organic shapes with natural, intuitive edits.
- **Creating Variations:** Experiment with different design iterations by quickly testing modifications.

How to Use the Press Pull Tool in Fusion 360 – Step-by-Step Instructions

Using the Press Pull tool is straightforward, but mastering its nuances can save significant modeling time.

1. Activate the Press Pull Tool

- Open your model in Fusion 360.
- Select the **Design** workspace from the toolbar.
- To activate the tool, do one of the following:
- Click on the **Modify** dropdown menu.
- Choose **Press Pull** from the list.
- Or press the shortcut key (usually **Q**).

2. Select Geometry to Edit

- Click on a face, edge, or vertex of the model that you want to modify.
- The selected face will highlight, indicating it's ready for editing.
- You can select multiple faces or regions by holding down **Ctrl** (or **Cmd** on Mac) and clicking additional areas.

3. Drag to Push or Pull

- Once selected, click and hold on the face.

- Drag in any direction—outward to add material, inward to remove material.
- Watch the preview update in real-time, allowing you to see the result before finalizing.

4. Use Numerical Input for Precision

- For precise control, enter a specific value in the input box that appears after the initial drag.
- You can type in dimensions to push or pull exactly by the desired amount.

5. Confirm or Cancel the Operation

- After adjusting the geometry, click **OK** to apply.
- To cancel the operation, press **Esc** or click **Cancel**.

6. Additional Options and Settings

- The Press Pull dialog box often features several options:
- **Direction:** Adjust the pull direction (normal or custom).
- **Operation:** Choose between extend, cut, or modify existing features.
- **Taper angle:** Apply tapering to the modification for angled results.
- Experiment with these settings to achieve the desired shape.

Practical Examples with the Press Pull Tool

Example 1: Adding Bulk to a Base Plate

Suppose you have a flat plate in your design that needs to be thicker.

- Select the face of the plate.
- Drag outward to extend the thickness.
- Input the exact increase in thickness for accuracy.

- Confirm the change, and your model is instantly updated.

Example 2: Creating a Recessed Area

To create a pocket or depression:

- Select the face you want to remove material from.
- Drag inward, or specify a negative value in the input box.
- This is particularly useful for designing slots, grooves, or holes.

Example 3: Refining Organic Shapes

For complex curved surfaces:

- Select the surface.
- Use the Press Pull to tweak curves and optimize the shape.
- This non-parametric approach allows for natural, fluid edits.

Common Mistakes and How to Avoid Them

- **Selecting the wrong geometry:** Always double-check your selection before dragging.
- **Overusing the tool without reference to dimensions:** Use the input box to ensure precise adjustments.
- **Ignoring adjacent geometry:** Be cautious when pulling faces near other features, as changes can affect connected parts.
- **Forgetting to use the 'Operation' settings:** Clear understanding of extend, cut, or join functions is crucial.

Tips and Best Practices for Using the Press Pull Tool

- **Use the 'Multiple Faces' selection feature** to modify several areas simultaneously.
- **Combine with other tools**, such as Fillet or Chamfer, for refined edges after pulling.
- **Apply symmetrically** when making adjustments, especially for complex models, to maintain balance.
- **Work in iterations**, gradually adjusting rather than making large changes in one go.
- **Save variations** frequently by duplicating your component or using version control.

Comparing Press Pull with Other Fusion 360 Modeling Tools

Feature	Press Pull	Extrude	Scale
Usage Mode	Direct geometry editing	Creating features from sketches	Resize existing features

Best For	Quick modifications, organic shapes	Precise feature creation	Uniform or non-uniform resizing
Parametric Control	Limited, real-time feedback	Fully parametric	Usually parametric, adjust after scaling

The Press Pull tool excels at flexible, on-the-fly modifications, whereas other tools might be better suited for predefined feature creation or complex parametric adjustments.

Conclusion

The Press Pull tool in Fusion 360 is a versatile and user-friendly feature that simplifies the process of modifying 3D models. It bridges the gap between parametric control and freeform editing, making it ideal for quick adjustments, organic shape refinement, and iterative design exploration. By mastering its use, you can significantly streamline your workflow, produce more refined models, and unlock new creative possibilities. Whether you're a beginner just starting out or a seasoned designer, understanding what the Press Pull tool does and how to leverage it will enhance your Fusion 360 experience and improve your overall modeling efficiency.

FAQ

1. What is the main purpose of the Press Pull tool in Fusion 360?

Ans: The main purpose of the Press Pull tool is to enable direct, intuitive modification of existing geometry by pushing, pulling, or extending faces or features in a model.

2. Can the Press Pull tool be used for both additive and subtractive modeling?

Ans: Yes, it allows you to add material by pushing faces outward or remove material by pulling faces inward.

3. How does the Press Pull tool differ from the Move or Scale tools?

Ans: The Press Pull tool directly edits geometry by interacting with faces, while Move shifts entire features, and Scale resizes parts of the model uniformly or variably.

4. Is the Press Pull tool parametric?

Ans: No, it primarily provides real-time, direct edits, but changes can be controlled precisely using input values and combined with parametric features.

5. Can you use the Press Pull tool on complex organic shapes?

Ans: Yes, it is particularly useful for refining organic or curved shapes through natural, intuitive adjustments.

6. Does using the Press Pull tool affect the history timeline?

Ans: No, Press Pull acts directly on geometry and generally does not alter the design timeline unless used within a feature-based operation.

7. What are some tips for using the Press Pull tool effectively?

Ans: Select multiple faces, use precise input values, combine it with other tools for refinement, and work iteratively for best results.

About CADIN360

2026

CADIN360 Learning Tutorials is an educational platform focused on practical CAD, CAM, and CAE learning.

The platform provides clear, industry-oriented tutorials, design workflows, and real-world insights using tools such as Autodesk Fusion 360.

CADIN360 is created to help learners, students, and professionals build strong fundamentals and practical design skills in modern CAD workflows.

2026

Practice What You've Learned

You've just completed this blog and learned important concepts in Autodesk Fusion 360.

To help you practice and apply what you've learned, the next pages include a sample from our Fusion 360 book .This sample contains practice exercises and real-world practice tasks designed to strengthen your skills.

What you'll find next:

- ✓ Practice exercises from the book
- ✓ A brief overview of the complete book
- ✓ Options to explore or request the full sample

Your hands-on Fusion 360 practice starts next.

AUTODESK FUSION 360 ALL IN ONE WORKBOOK

500+ PRACTICE EXERCISES

• Sketching



2D Sketching

• 3D Modeling



3D Modeling

• Assembly



Assembly

SACHIDANAND JHA

AUTODESK FUSION 360 ALL IN ONE WORKBOOK

500+ PRACTICE EXERCISES

2D Sketching • 3D Modeling • Assembly Drawings

SACHIDANAND JHA



Dear Reader,

Thank you for choosing the AUTODESK FUSION 360 ALL IN ONE WORKBOOK. This book is part of the CADIN360° learning series, created to help engineers, students, and professionals master Fusion 360 through structured and practical exercises.

This book contains over 500 carefully crafted practice drawings, including:

- 200 2D Sketching Exercises
- 200 3D Modeling Exercises
- Comprehensive Assembly Models with 150+ Individual Part Drawings

We founded CADIN360 in 2016 with the goal of delivering practical, high-quality learning material for CAD software. More than 9 years later, we're still committed to producing consistently exceptional books. With each of our titles, we're working hard to set a new standard for the industry. From the paper we print on, to the authors we work with, our goal is to bring you the best books available.

I hope you see all that reflected in these pages. I'd be very interested to hear your comments and get your feedback on how we're doing. Feel free to let me know what you think about this or any other CADIN360 book by sending me an email at cadin360@gmail.com

If you think you've found a technical error in this book, please visit <https://cadin360.com/contact-us/>.

Customer feedback is critical to our efforts at CADIN360.

Best regards,

Sachidanand Jha
Founder & CEO, CADIN360



AUTODESK FUSION 360 ALL IN ONE WORKBOOK

Published by CADIN360

Website: cadin360.com

Copyright © 2025 by CADIN360, All rights reserved.

This book is copyrighted and the CADIN360 reserves all rights.

No part of this publication may be reproduced, stored in a retrieval system or transmitted, transcribed, stored in retrieval system or translated into any language, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, without the prior written permission of the publisher & Author.

Limit of Liability/Disclaimer of Warranty:

The publisher and the author make no representations or warranties with respect to the accuracy or completeness of the contents of this work and specifically disclaim all warranties, including without limitation warranties of fitness for a particular purpose. No warranty may be created or extended by sales or promotional materials. The advice and strategies contained herein may not be suitable for every situation. This work is sold with the understanding that the publisher is not engaged in rendering legal, accounting, or other professional services. If professional assistance is required, the services of a competent professional person should be sought. Neither the publisher nor the author shall be liable for damages arising herefrom. The fact that an organization or Web site is referred to in this work as a citation and/or a potential source of further information does not mean that the author or the publisher endorses the information the organization or Web site may provide or recommendations it may make. Further, readers should be aware that Internet Web sites listed in this work may have changed or disappeared between when this work was written and when it is read.

Examination Copies

Books received as examination copies in any form such as paperback and eBook are for review only and may not be made available for the use of the student. These files may not be transferred to any other party. Resale of examination copies is prohibited

Electronic Files & Usage Rights:

The electronic file/eBook in any form of this book is licensed to the original user only and may not be shared, distributed, resale or transferred to any other party. To access files, the user must contact **cadin360@gmail.com** with valid proof of purchase. Unauthorized distribution of the files is a violation of copyright law.

Disclaimer:

All product names, logos, brands, and registered trademarks mentioned in this publication are the property of their respective owners and are used for identification purposes only.

AUTODESK FUSION 360 ALL IN ONE WORKBOOK

- ❖ This book contains over 500 CAD practice exercises, organized as:
 1. 200 2D Sketching Exercises
 2. 200 3D Modeling Exercises
 3. Assembly Projects with 150+ Part Drawings
- ❖ This book is a practice workbook. It does not include step-by-step tutorials for creating 2D drawing, 3D models and Assembly.
- ❖ SI units (millimeters) are used for all dimensions.
- ❖ Third Angle Projection is used throughout this book.
- ❖ This book is for **AUTODESK FUSION 360** and also suitable for Other Feature-Based Modeling Software such as Inventor, Catia, SolidWorks, NX, Solid Edge, AutoCAD, PTC Creo etc.
- ❖ Designed for students, engineers, drafters, and designers looking for extensive CAD practice using Autodesk Fusion 360.
- ❖ The exercises cover a wide range of real-world modeling challenges—from simple sketches to complex assemblies—offering clear, concise, and structured drawing practice.
- ❖ Exercises are organized to gradually develop beginner to advanced-level design skills.
- ❖ Each exercise is self-contained, and can be completed independently.
- ❖ Assembly drawings follow industry standards to help improve visualization and multi-part modeling skills.
- ❖ All dimensions are in mm. Assume missing dimensions logically.

HOW TO USE THIS BOOK

This book contains over 500 CAD practice exercises, designed for self-paced learning using Autodesk Fusion 360 or any feature-based modeling software.

- 2D Sketching Exercises: Start here if you're a beginner or learning how to use the sketch environment.
- 3D Modeling Exercises: Follow after mastering sketching. Practice creating solid models using the provided dimensions.
- Assembly Drawings: Use after completing part models to understand multi-part assemblies, relationships, and constraints.

Tips for Best Use:

- Complete the exercises in order, or jump to any skill level you prefer.
- All dimensions are in millimeters.
- Where dimensions are missing, apply logic or practice estimation.
- This book is ideal for both students and professionals preparing for industry design work.

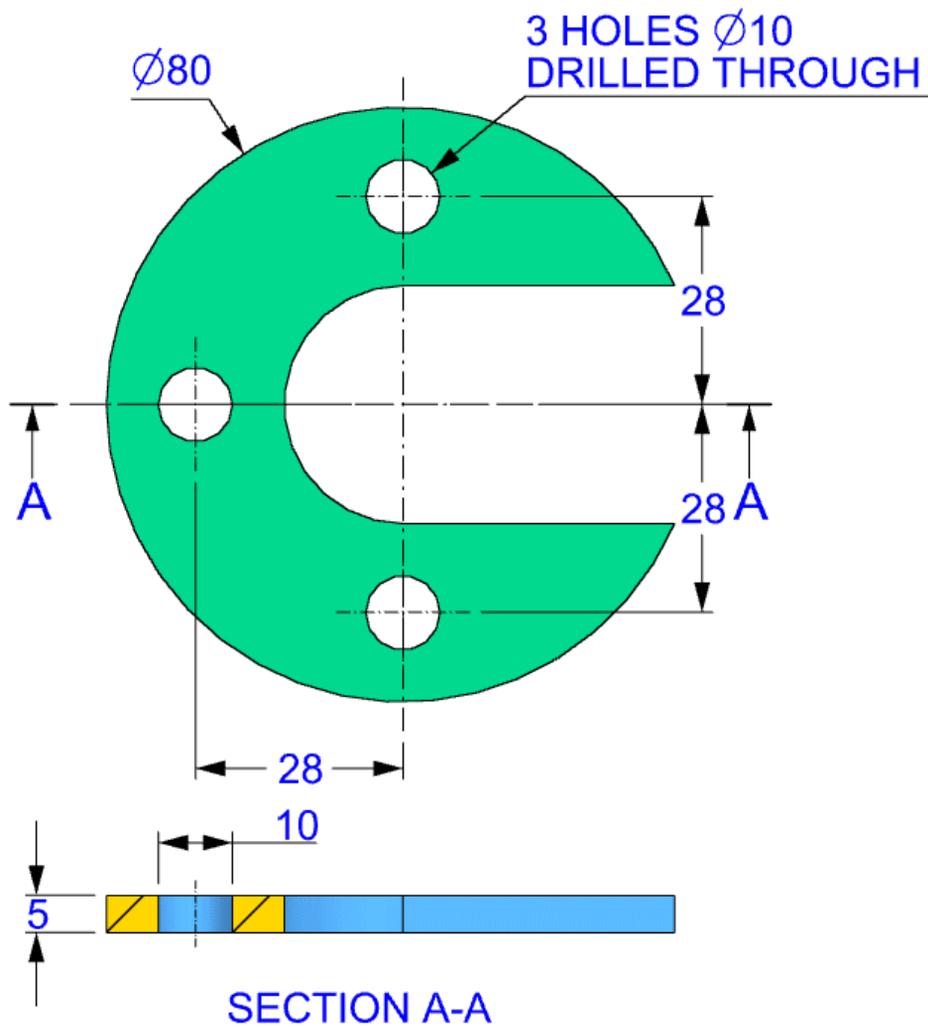
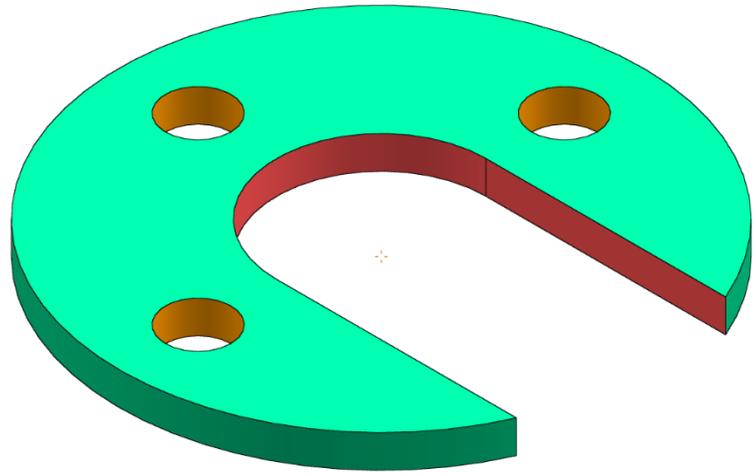
Note:

This book is available in multiple formats – **Black & White**, **Standard Color**, and **Premium Color** editions.

Happy learning!
– Team CADIN360

3D

EXERCISE-01



Get The Complete Practice Sample

You downloaded a single Exercise PDF

The complete practice sample for this software includes multiple exercises and is not available inside this PDF..

What you will receive

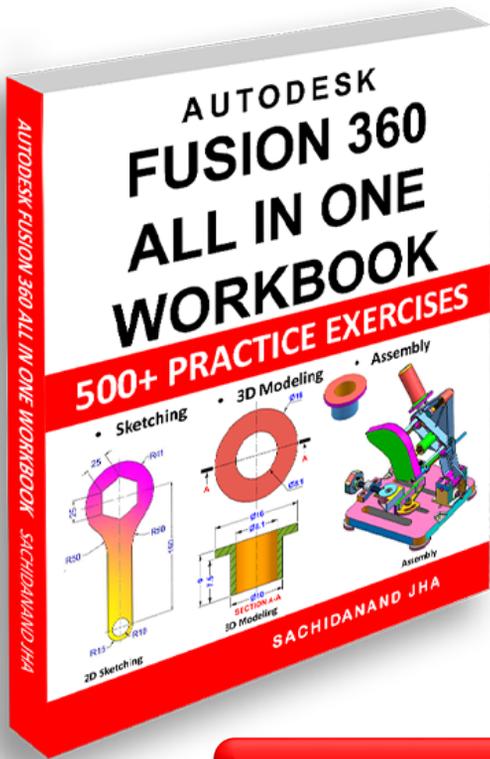
- A software-specific complete sample PDF
- Multiple real practice exercises (not a single file)
- Same quality as our professional training material
- Compatible with the latest software version

How to get the complete sample

Click the button below and **enter a valid email address**. The **complete sample PDF will be delivered automatically** after the form is submitted.

SEND THE COMPLETE SAMPLE TO MY EMAIL

END OF SAMPLE



What's Included in the FUSION 360 ALL IN ONE WORKBOOK?

- ✓ Books contains exercises of Sketching, 3D Modeling & Assembly.
- ✓ 500+ Practice Exercises with Dimensions
- ✓ Full Assembly STEP Files (.stp format) – Compatible with all major CAD software
- ✓ Get 200 3D Exercises in .f3d file format
- ✓ Get All Assembly Exercises in .STP file
- ✓ Instant Download Link - Sent to Your Email After Payment
- ✓ Lifetime Access to All Files

[Get the Paperback book on Amazon](#)

[Get the Complete Bundle for Only \\$27.99](#)

Special Offer for Students & Learners

Are you a Student, Unemployed or Financially struggling ?
Get this special Bundle only for \$19.99

Special Offer for Only \$19.99



Thank You for Learning with Us!

Thank you for choosing the **AutoDesk Fusion 360 ALL IN ONE WORKBOOK**. We hope this book helped you strengthen your Fusion 360 skills through hands-on practice and real-world design challenges.

Your feedback means the world to us!

If you found this book helpful, please take a moment to leave a **review** on the Amazon where you purchased it. Your kind words not only motivate us but also help other learners discover our resources. Scan the QR.

★ A good review goes a long way!

📖 Explore More CAD Practice Books

Looking to continue your learning journey?

We offer similar practice-based books for over **30 CAD software platforms**, including:

- AutoCAD
- SolidWorks
- FreeCAD
- TinkerCAD
- TurboCAD
- Siemens NX
- CATIA
- Creo
- SketchUp and many more...

Visit our website 🖱️ www.cadin360.com to browse the complete collection.

💬 Stay Connected

Have suggestions, feedback, or just want to say hello?

We'd love to hear from you!

✉️ Email: cadin360@gmail.com

🌐 Website: www.cadin360.com

🚀 Keep Practicing. Keep Designing.

Whether you're a beginner or a pro, **practice is the key** to mastering any CAD software.

We're honored to be a part of your journey.

Happy Designing!

– Team **Cadin360**



Master Fusion 360 with Real-World Practice Exercises

This book contains over 500 Fusion 360 practice exercises including sketching, 3D modeling, and assembly drawings.

Designed for students, engineers, and professionals to build practical CAD modeling skills.

AUTODESK FUSION 360 ALL IN ONE WORKBOOK

This book contains:-

- 200 2D Sketching Exercises
- 200 3D Modeling Exercises
- Multi-part Assembly Exercises & Detailed Drawings
- All drawings in 3rd Angle projection
- All dimensions are in mm(metric system)