

# Lock In More Profit. **LOCKDOWEL™**

REVOLUTIONARY FASTENER SYSTEMS



Assemble a cabinet in less than 3 minutes  
with Lockdowel

**CABINETS**



**CLOSETS**

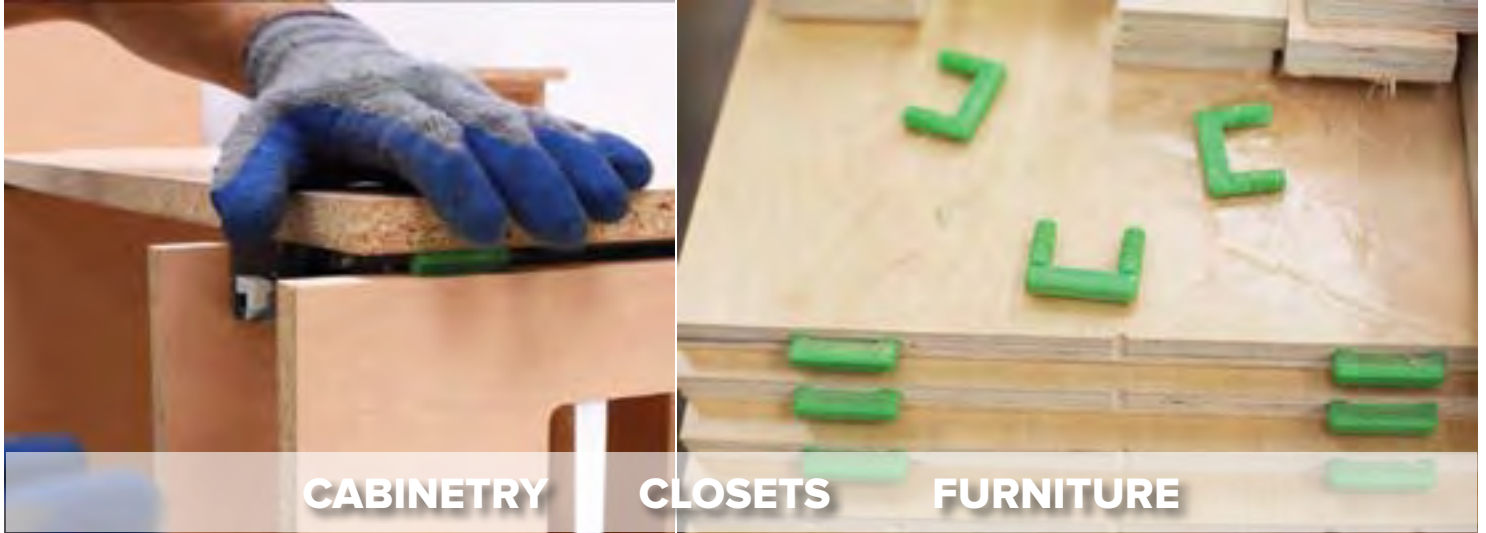


**FURNITURE**

[www.lockdowel.com](http://www.lockdowel.com)

# ASSEMBLE A CABINET IN LESS THAN 3 MINUTES?

YOU CAN WITH **LOCKDOWEL!**



With Lockdowel's patented invisible fastener system, assembly becomes fast and easy—no screws, glues, or clamps! Build higher quality products faster, and with less labor to maximize profits. The proof is in more than 1,000,000 cabinets already constructed!

## Is Your Checklist Complete?

- Do you have a CNC router?
- Do you have edge boring capabilities?
- Do you use woodworking software?
- Do you want to maximize your investments?

**You're ready for Lockdowel!**

**Lock In More Profit.**  
**LOCKDOWEL™**

**Patented • Tested • Proven**

**www.lockdowel.com**  
**866.389.5393**



## SIMPLIFY THE PROCESS

Innovation is driving us to bring lean manufacturing practices even further. Lockdowel has designed a versatile fastener system based on the principle of simplifying manufacturing, assembly, and installation. Our patented solution is precision-engineered to increase your production, lower your labor costs, and simplify your operation.

Lockdowel's single fastener concept utilizes a keyhole slot to create the locking mechanism for cabinet assembly, which drastically simplifies the assembly process. Any CNC router and edge boring machine capable of holding 0.1mm tolerance can use our router bit for milling the keyhole slots that accommodate our fasteners.

Your cabinets will have no visible fasteners when assembled and each Channel Lock joint provides over 100 lbs. of pull force. Lockdowel is also the ideal solution for flat-packing efficient RTA and KD jobs, and on-site disassembly is no problem for rework or replacement of damaged parts.

Quick. Effective. Simple.

**LOCKDOWEL**

## TABLE OF CONTENTS

<b>05</b>	EClips Fasteners
<b>31</b>	Metal Snap Fasteners
<b>37</b>	Plastic Cinch Fasteners
<b>42</b>	Drawer Slides and Hinges
<b>53</b>	Spring Pins & Router Bits
<b>56</b>	Product Summary Guide

# EVALUATE LOCKDOWEL INNOVATION!

Try our Evaluation Kit and discover what you can do.



**Lockdowel's Evaluation Kits** offer you the opportunity to test our products in your own shop. We provide a complete cabinet assembly including panels, our patented Channel Lock fasteners, and assembly instructions. Two kits are available to order: the Channel Lock Kit and the H-Clip Kit.

The Channel Lock fastening system was designed with disassembly in mind, while the H-Clip fastening system is permanent, mirroring a glue-and-dowel construction method but with no glue necessary. You can decide which system works best for your business model. Both will save you an incredible amount of time, money, and headache. At Lockdowel, we are excited to continue launching new innovative technology to simplify manufacturing, assembly, and installation.

## BENEFITS OF LOCKDOWEL FASTENERS

- 1 Single Piece Design:** We eliminated multiple confusing pieces down to a single piece design. This greatly reduces the fastener cost and simplifies the insertion process.
- 2 No Glue:** No glue is needed when constructing a cabinet and there are no visible fasteners with our keyhole mechanism. Without glue, cabinets can be disassembled for flat shipping, rework, or replacement.
- 3 Quality:** Cabinets built with Lockdowel fasteners pass all ANSI/ BIFMA, AWI, and Woodwork Institute standards.
- 4 Faster Assembly:** Our process is simple and reduces assembly time. With practice, a base cabinet can be assembled in 2.5 minutes, and a drawer box in 30 seconds. Every product we have converted to Lockdowel shows a significant time savings during the assembly process by as much as 60%.

Lockdowel offers a revolutionary way to improve your profit margins and eliminate assembly headaches.

**Lock In More Profit.**  
**LOCKDOWEL**  
[www.lockdowel.com](http://www.lockdowel.com)

## EVALUATION KITS

### Channel Lock Kit

Kit includes:

- RTA upper cabinet (12"x15"x12")
- Set up documents
- LD T-Slot router bit (E1000-B)
- 50 Barbed Channel Lock (E900BP) and 50 Spring Pins (8002-40-R5) to build up to 6 units
- 1 Drawing of your product to be converted to Lockdowel hardware

[www.lockdowel.com/cabinets/](http://www.lockdowel.com/cabinets/)

### H-Clip Kit

Kit includes:

- RTA upper cabinet (12"x15"x12")
- Set up documents
- LD T-Slot router bit (E1000-B)
- 50 Barbed Channel Lock (E910BP) and 50 Spring Pins (8002-40-R5) to build up to 6 units
- 1 Drawing of your product to be converted to Lockdowel hardware

[www.lockdowel.com/cabinets/hclip/](http://www.lockdowel.com/cabinets/hclip/)

Order an evaluation kit today!

Call **866.389.5393**.

Learn more about our evaluation kits at [www.lockdowel.com/evkit/](http://www.lockdowel.com/evkit/)



# ECLIPS FASTENERS



**ONE TOOL DOES IT ALL**





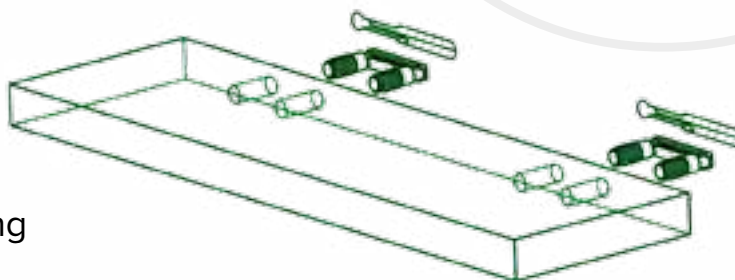
# E900BP

## Plastic Barbed Channel Lock

Provides a removable sturdy joint in materials such as particle board, plywood, MDF, and select plastic materials. (See *minimum thickness chart pg. 56-57*)

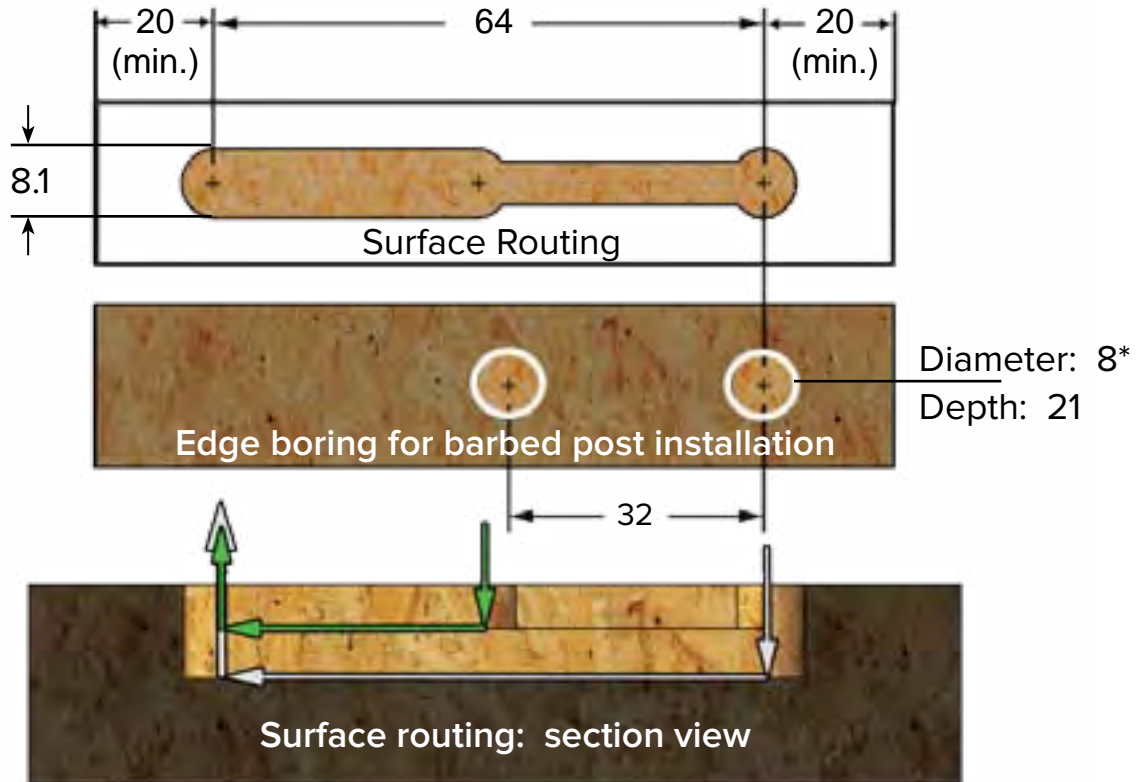
### SPECIFICATION

- Pull Force: 120-160 lbs.
- Shear Force: Over 100 lbs.
- Drilling: 8mm with 32mm spacing
- Material: Nylon 6-6
- Requires CNC routing capability and edge boring machine



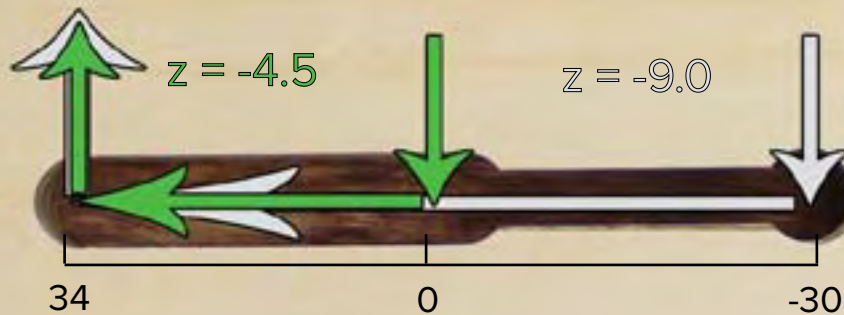
PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)



- Plunge Cut: Z: -4.5 | Slot Cut: X: 0 to 34
- Plunge Cut: Z: -9.0 | Key Slot: X: -30 to 34  
(Allowable depth range is -9.0 to -9.3)

Route **GREEN** first. Then **GRAY**.



All measurements are in mm

\*Dense materials may require an 8.2mm drill bit.

PATENT PENDING



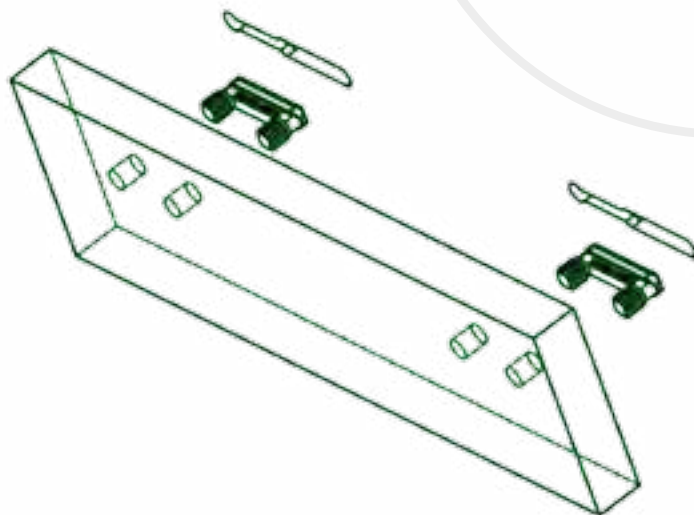
# E900BP-9

## Plastic Barbed 9mm Channel Lock

Provides a removable sturdy joint in materials such as particle board, plywood, MDF, and select plastic materials. (See *minimum thickness chart pg. 56-57*)

### SPECIFICATION

- Pull Force: 120-160 lbs.
- Shear Force: Over 100 lbs.
- Drilling: 8mm with 32mm spacing
- Material: Nylon 6-6
- Requires CNC routing capability and edge boring machine



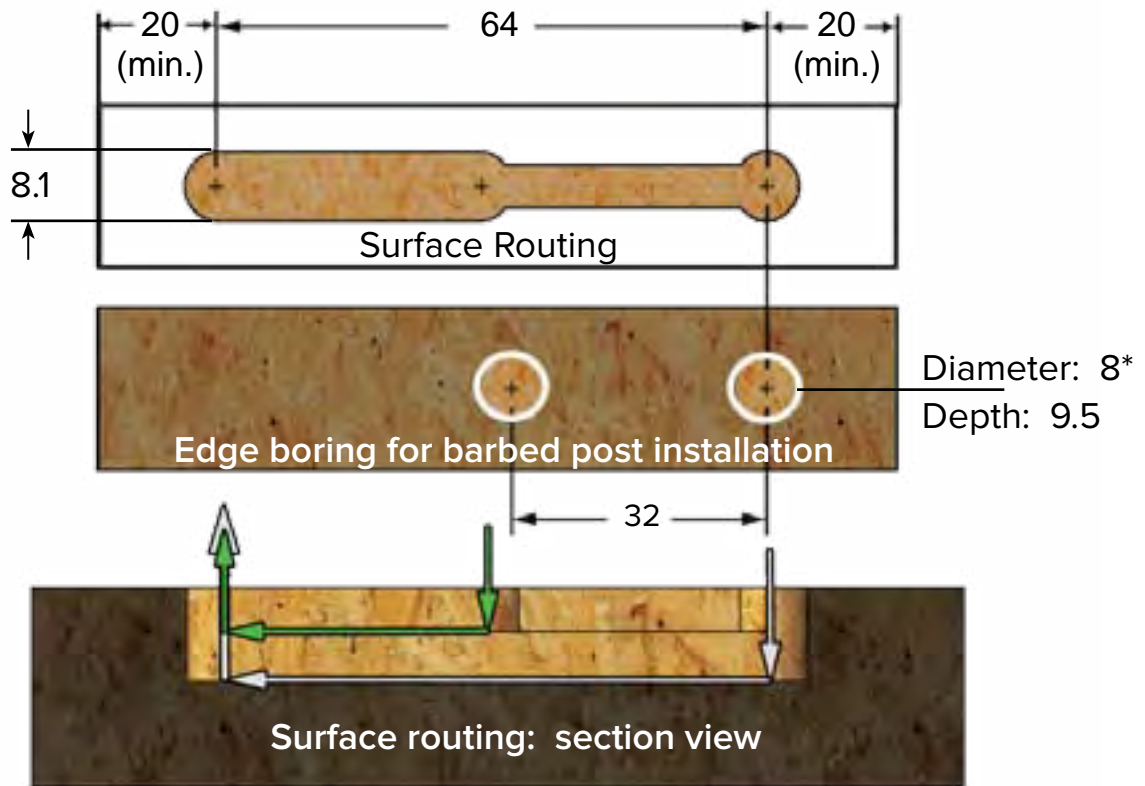
PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)



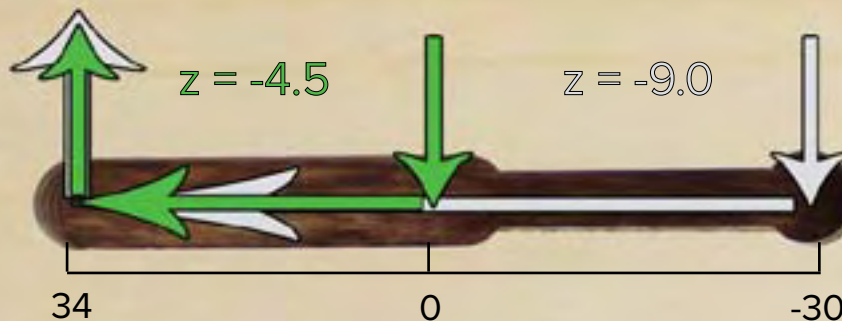


# 9mm Barbed Channel Lock | ROUTING INSTRUCTIONS



- Plunge Cut: Z: -4.5 | Slot Cut: X: 0 to 34
  - Plunge Cut: Z: -9.0 | Key Slot: X: -30 to 34
- (Allowable depth range is -9.0 to -9.3)

Route **GREEN** first. Then **GRAY**.



All measurements are in mm

\*If using MDF, replace 8mm drill bit with 8.2mm drill bit.

PATENT PENDING



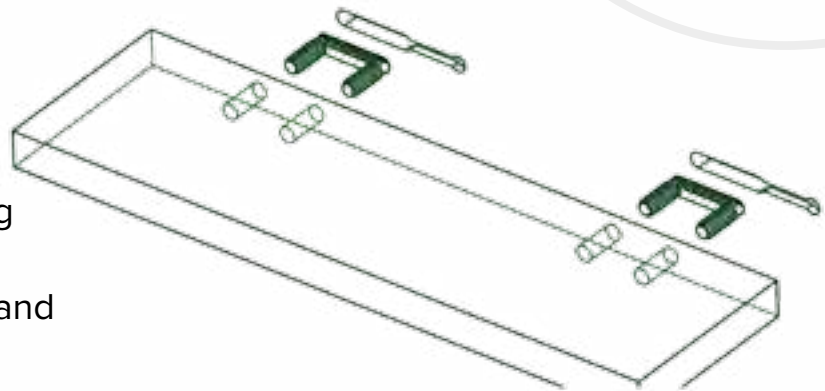
# E3259BM

## Mini 32mm Barbed Channel Lock

Provides a removable sturdy joint in materials. It is best used in plywood, solid wood, and select plastic materials. (See *minimum thickness chart pg. 56-57*)

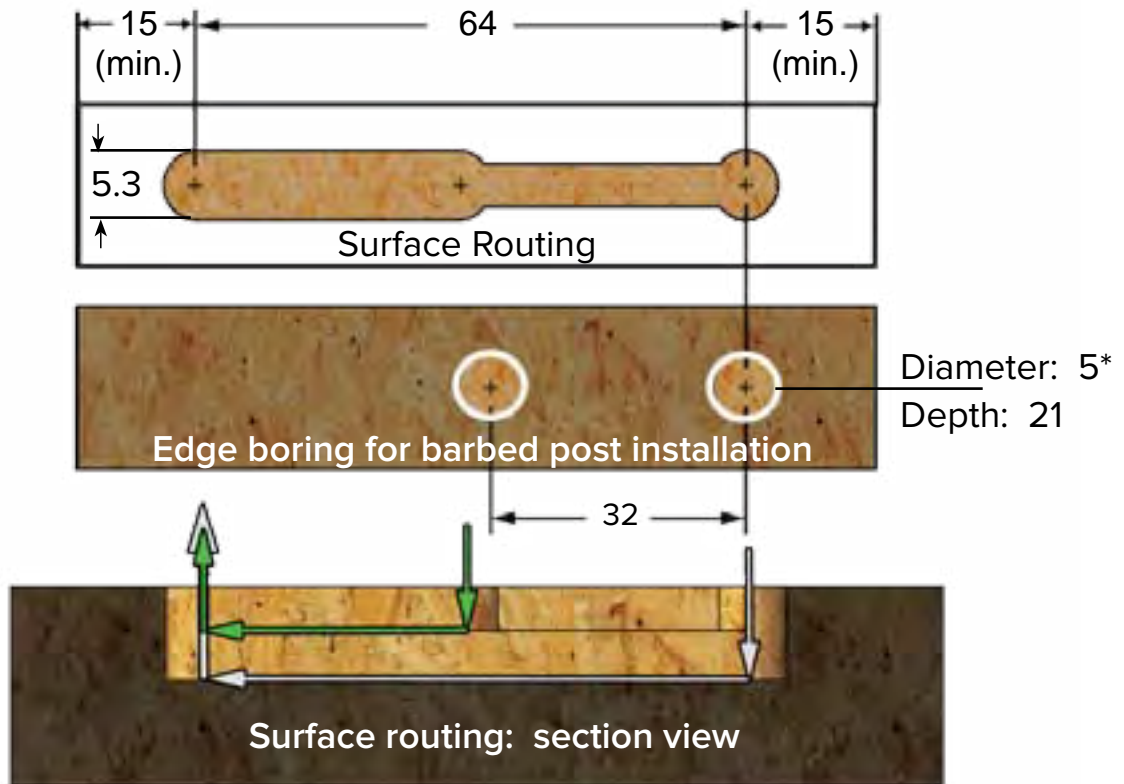
### SPECIFICATION

- Pull Force: 70 lbs.+
- Shear Force: Over 250 lbs.
- Drilling: 5mm with 32mm spacing
- Material: Zinc aluminium alloy
- Requires CNC routing capability and edge boring machine



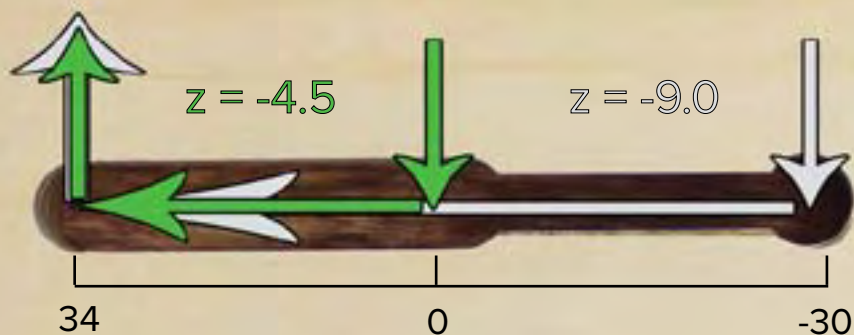
PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)



- Plunge Cut: Z: -4.5 | Slot Cut: X: 0 to 34
- Plunge Cut: Z; -9.0 | Key Slot: X: -30 to 34  
(Allowable depth range is -9.0 to -9.3)

Route **GREEN** first. Then **GRAY**.



All measurements are in mm

\*If using MDF, replace 5mm drill bit with 5.2mm drill bit.

PATENT PENDING



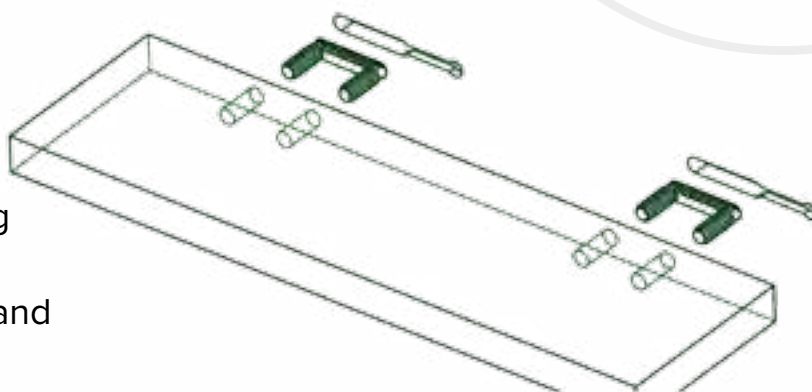
# E900BM

## Metal Barbed Channel Lock

Provides a removable sturdy joint in materials. It is best used in plywood, solid wood, and select plastic materials. (See *minimum thickness chart* pg. 56-57)

### SPECIFICATION

- Pull Force: 120- 160 lbs.
- Sheer Force: Over 500 lbs.
- Drilling: 8mm with 32mm spacing
- Material: Zinc aluminum alloy
- Requires CNC routing capability and edge boring machine

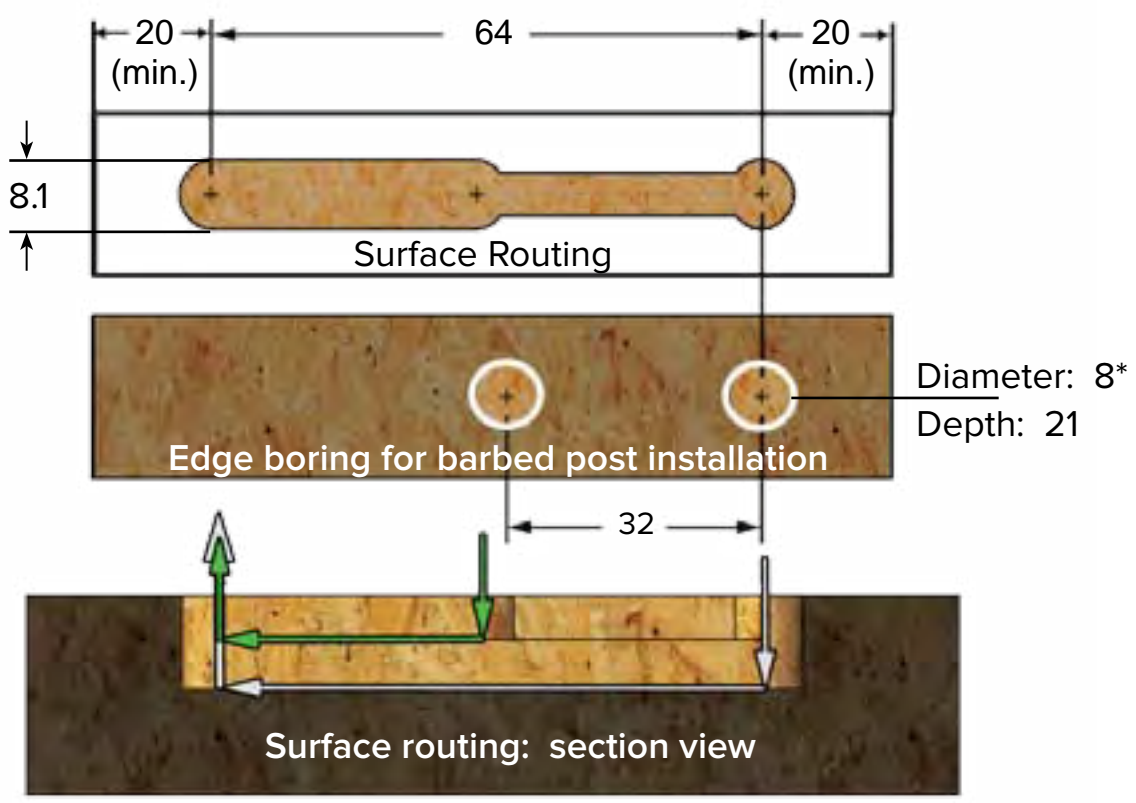


PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)

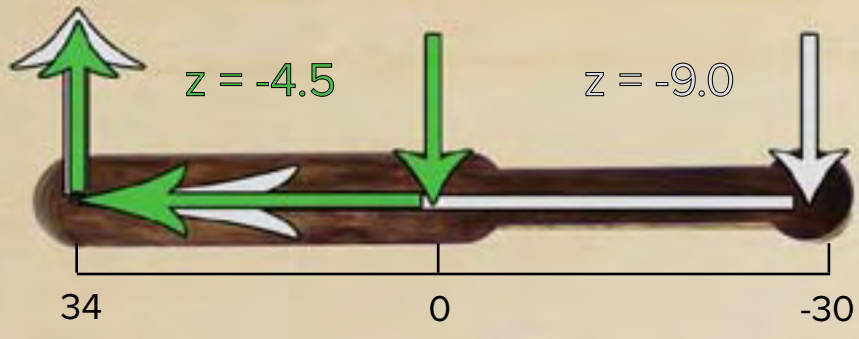


# Metal Barbed Channel Lock | ROUTING INSTRUCTIONS



- Plunge Cut: Z: -4.5 | Slot Cut: X: 0 to 34
- Plunge Cut: Z; -9.0 | Key Slot: X: -30 to 34  
(Allowable depth range is -9.0 to -9.3)

Route **GREEN** first. Then **GRAY**.



All measurements are in mm

\*If using MDF, replace 8mm drill bit with 8.2mm drill bit.

PATENT PENDING



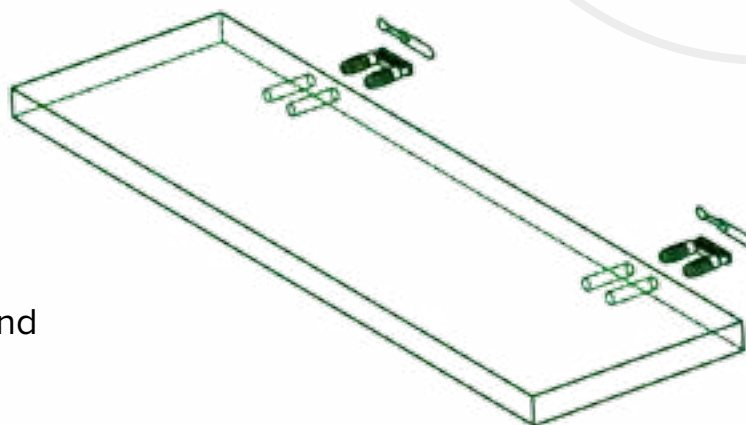
# E900BP Mini

## Mini Nylon Barbed Channel Lock

Provides a removable sturdy joint in materials. It is best used in particle board, plywood, MDF, and select plastic materials. (See *minimum thickness chart pg. 56-57*)

### SPECIFICATION

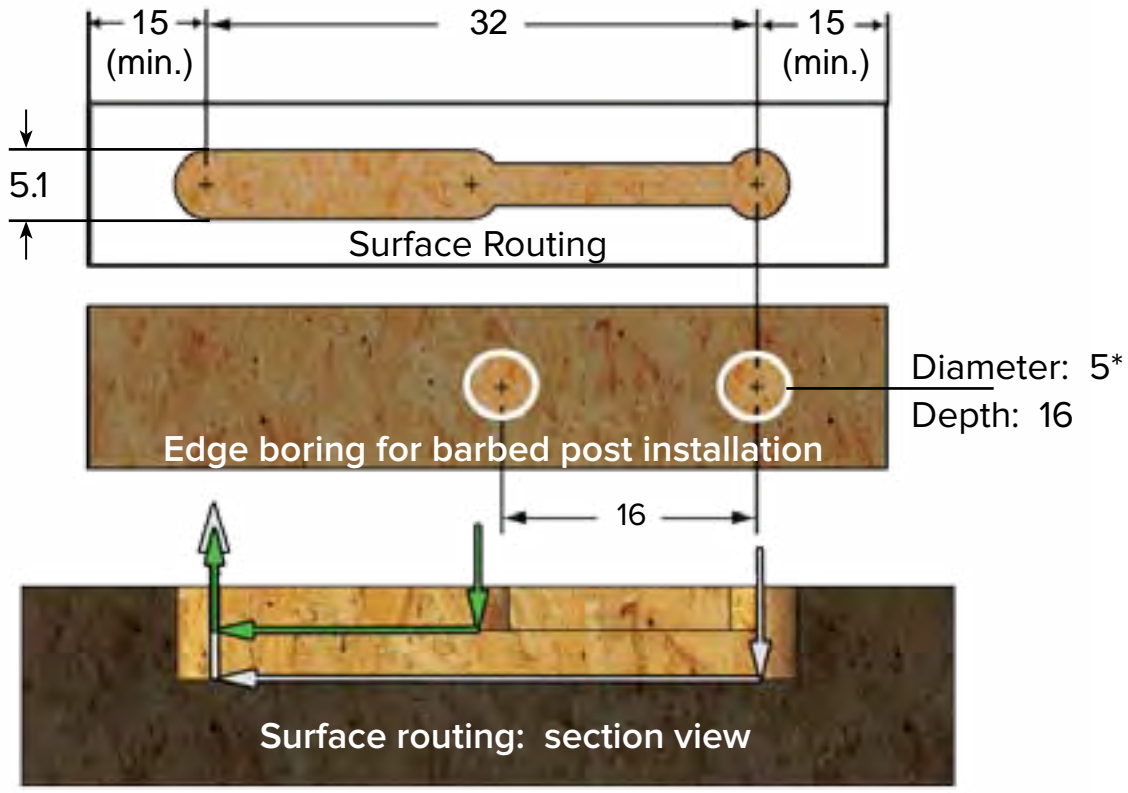
- Pull Force: 70+ lbs.
- Shear Force: Over 50 lbs.
- Drilling: 5mm with 16mm spacing
- Material: Nylon 6-6
- Requires CNC routing capability and edge boring machine



PATENT PENDING

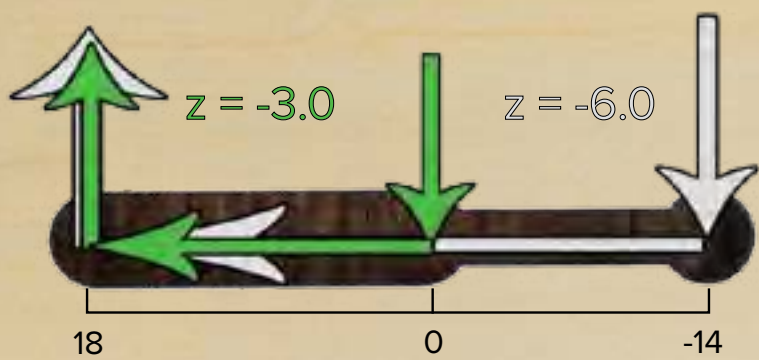
To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)

# Mini Barbed Channel Lock | ROUTING INSTRUCTIONS



- Plunge Cut: Z: -3.0 | Slot Cut: X: 0 to 18
- Plunge Cut: Z: -6.0 | Key Slot: X: -14 to 18  
(Allowable depth range is -6.0 to -6.3)

Route **GREEN** first. Then **GRAY**.



All measurements are in mm

\*If using MDF, replace 5mm drill bit with 5.2mm drill bit.

PATENT PENDING



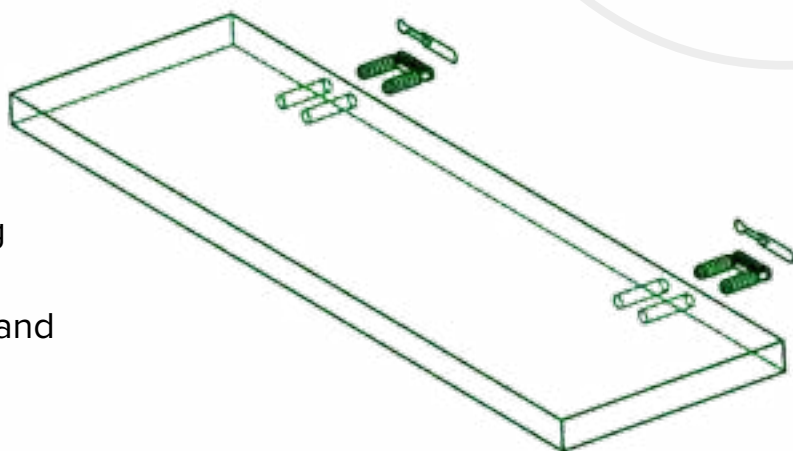
# E900BM Mini

## Mini Metal Barbed Channel Lock

Provides a removable sturdy joint. It is best used in plywood, solid wood, and select plastic materials.  
*(See minimum thickness chart pg. 56-57)*

### SPECIFICATION

- Pull Force: 70+ lbs.
- Shear Force: Over 250 lbs.
- Drilling: 5mm with 16mm spacing
- Material: Zinc aluminum alloy
- Requires CNC routing capability and edge boring machine



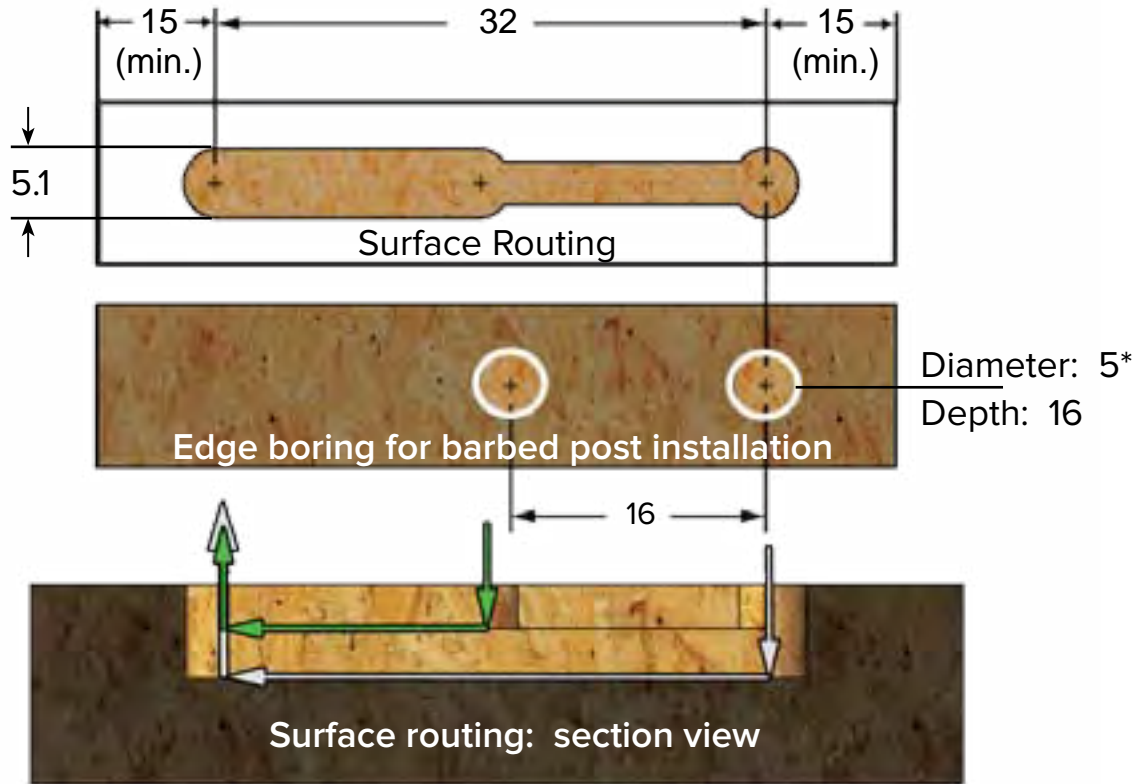
**LOCKDOWEL**

PATENT PENDING

PATENT PENDING

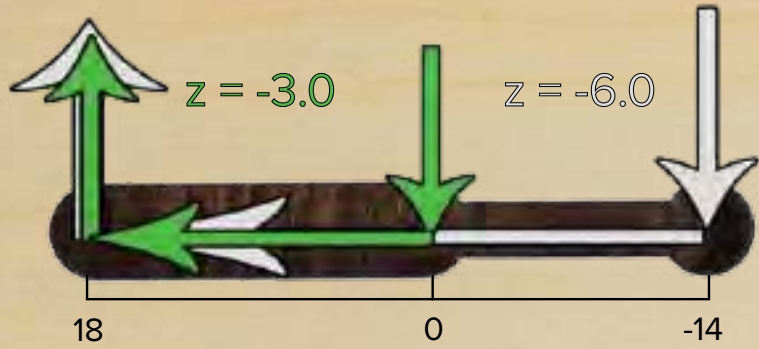
To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)





- Plunge Cut: Z: -3.0 | Slot Cut: X: 0 to 18
- Plunge Cut: Z: -6.0 | Key Slot: X: -14 to 18  
(Allowable depth range is -6.0 to -6.3)

Route **GREEN** first. Then **GRAY**.



All measurements are in mm  
 \*If using MDF, replace 5mm drill bit with 5.2mm drill bit.

PATENT PENDING



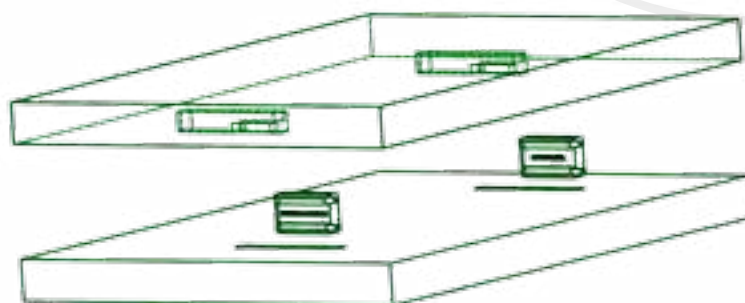
# E900DH-P

## Double-sided Nylon Channel Lock

Provides a removable sturdy joint. It is best used in particle board, plywood, MDF, solid wood, and select plastic materials. (See *minimum thickness chart* pg. 56-57)

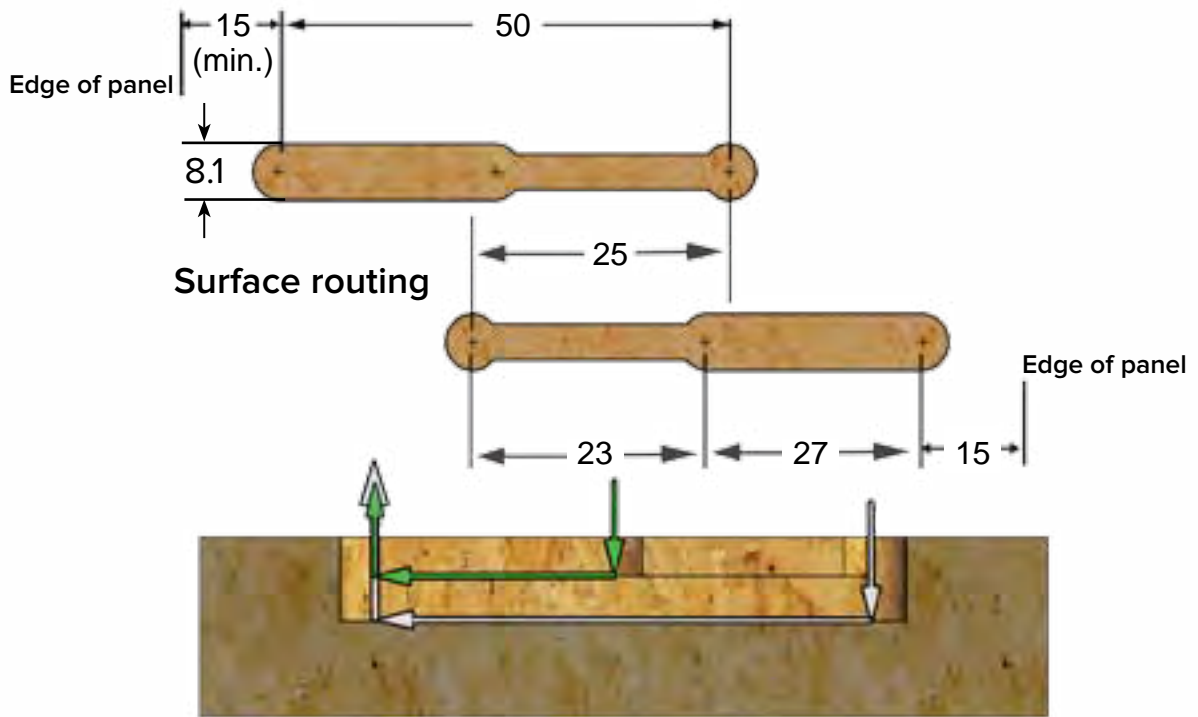
### SPECIFICATION


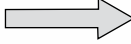
- Pull Force: 160+ lbs.
- Shear Force: Over 100 lbs.
- L x H x W: 33 x 8 x 18 mm
- Material: Nylon 6-6
- Requires CNC routing capability



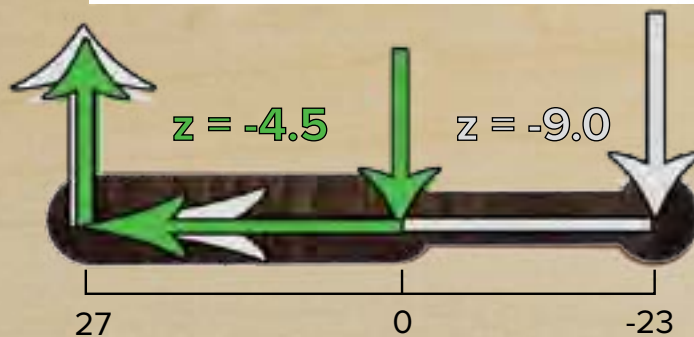
PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)



-  Plunge Cut: Z: -4.5 | Slot Cut: X: 0 to 34
-  Plunge Cut: Z: -9.0 | Key Slot: X: -30 to 34  
(Allowable depth range is -9.0 to -9.3)

Route **GREEN** first. Then **GRAY**.



All measurements are in mm

PATENT PENDING



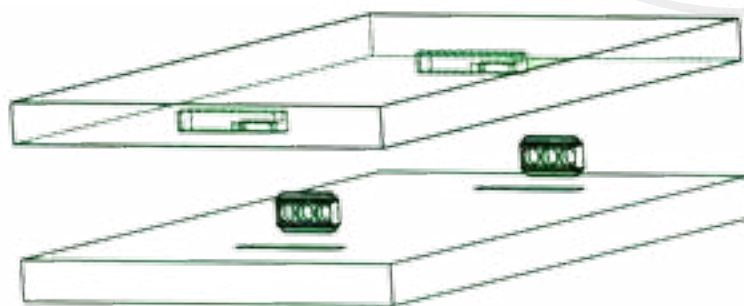
# E900DH-M

## Double-sided Metal Channel Lock

Provides a removable sturdy joint. It is best used in plywood, MDF, solid wood, and select plastic materials.  
*(See minimum thickness chart pg. 56-57)*

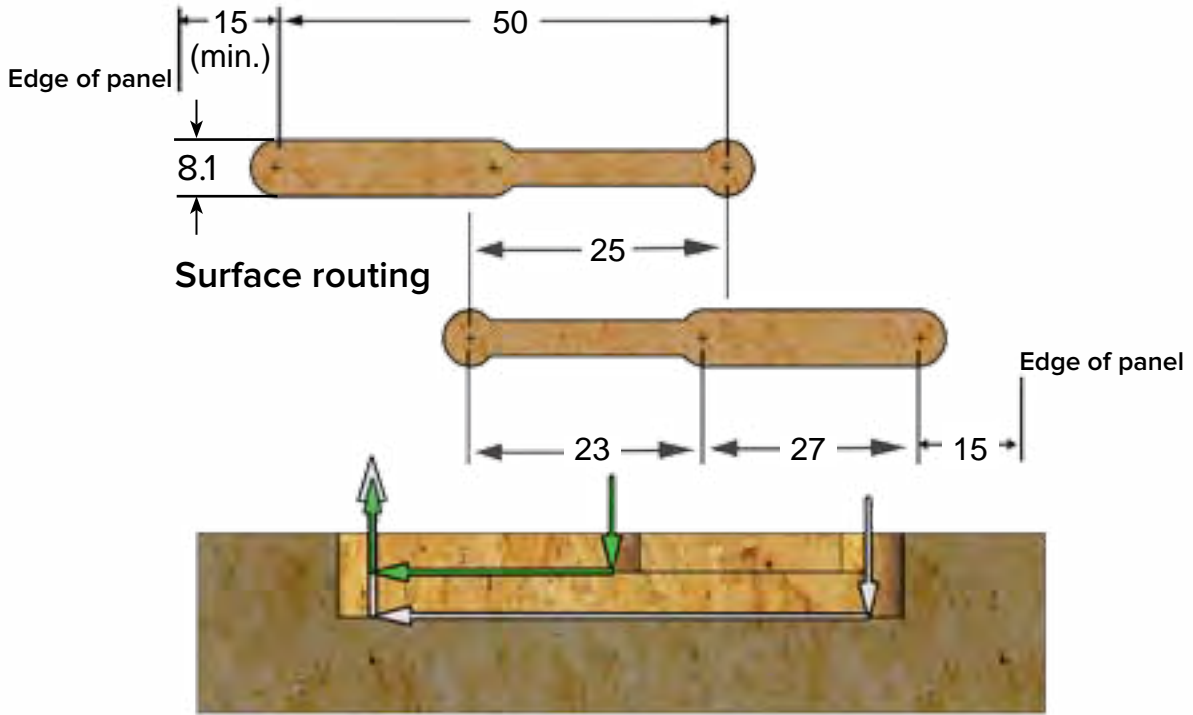
### SPECIFICATION



- Pull Force: 120 - 160 lbs.
- Sheer Force: Over 500 lbs.
- L x H x W: 33 x 8 x 18 mm
- Material: Zinc aluminum alloy
- Requires CNC routing capability



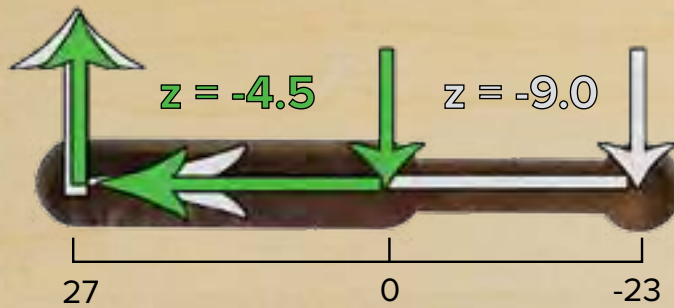
PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)



-  Plunge Cut: Z: -4.5 | Slot Cut: X: 0 to 34
-  Plunge Cut: Z: -9.0 | Key Slot: X: -30 to 34  
(Allowable depth range is -9.0 to -9.3)

Route **GREEN** first. Then **GRAY**.



All measurements are in mm

PATENT PENDING



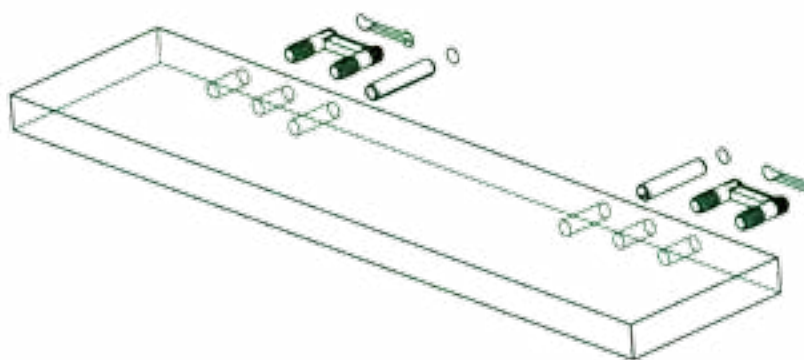
# E910BP

## Barbed H-Clip

Provides a permanent sturdy joint. It is best used in particle board, plywood, MDF, and select plastic materials.  
*(See minimum thickness chart pg. 56-57)*

### SPECIFICATION

- Used together with Spring Pin (PN 8002-40)
- Pull Force: 100+ lbs.
- Shear Force: Over 100 lbs.
- Drilling: 8mm with 32mm spacing
- Material: Nylon 6-6
- Requires CNC routing capability and edge boring machine



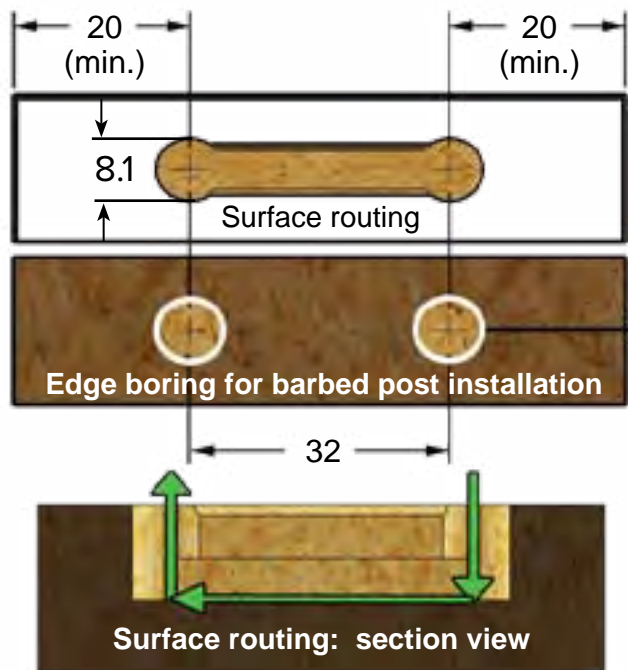
PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)

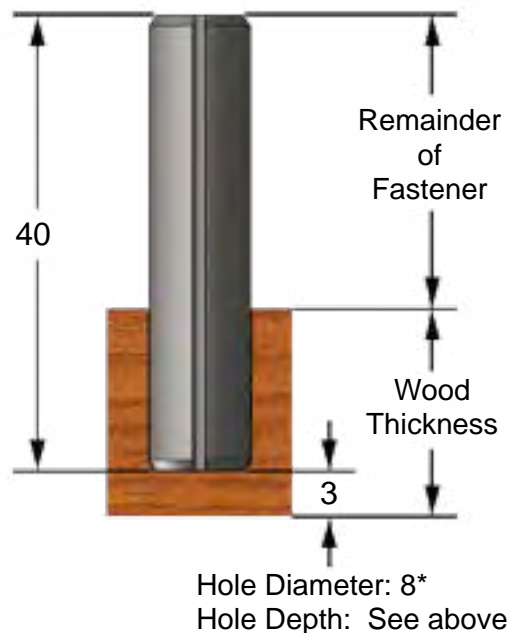


# Barbed H-Clip

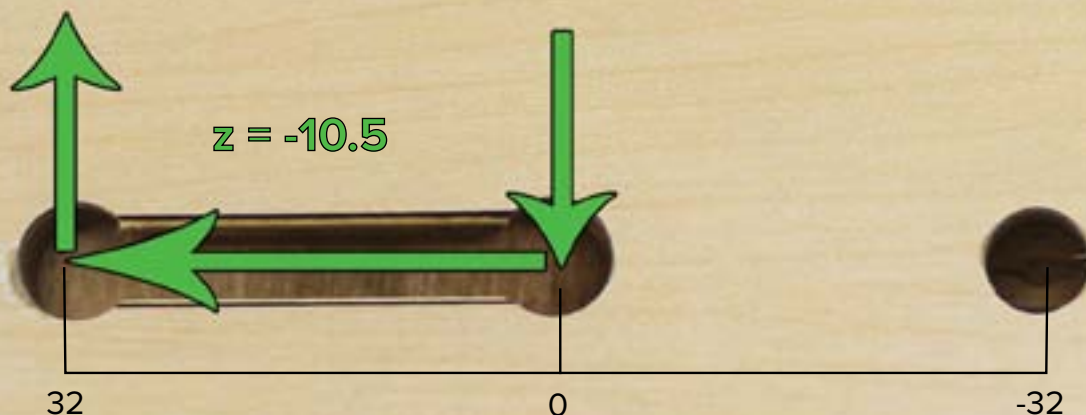
## ROUTING INSTRUCTIONS



Spring Pin adds shear strength and rigidity to eliminate the necessity for gluing and clamping wood dowels.



➔ Plunge Cut: Z -10.5 | Slot: X 32 | Retract: Z 10.5  
(Allowable depth range is -10.5 to -10.85)



All measurements are in mm

\* If using MDF, replace 8mm Drill Bit with 8.2mm Drill Bit.

PATENT PENDING



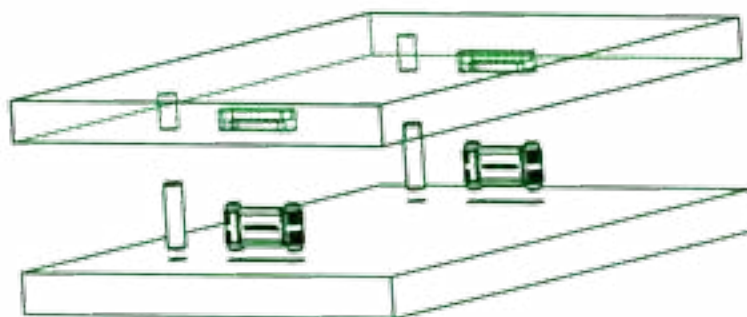
# E910DH-P

## Double-sided H-Clip

Provides a permanent sturdy joint. It is best used in particle board, plywood, MDF, and select plastic materials.  
*(See minimum thickness chart pg. 56-57)*

### SPECIFICATION

- Used together with Spring Pin (PN 8002-30)
- Pull Force: 100+ lbs.
- Shear Force: Over 100 lbs. with spring pin
- L x H x W: 40.5 x 8.3 x 18 mm
- Material: Nylon 6-6
- Requires CNC routing capability



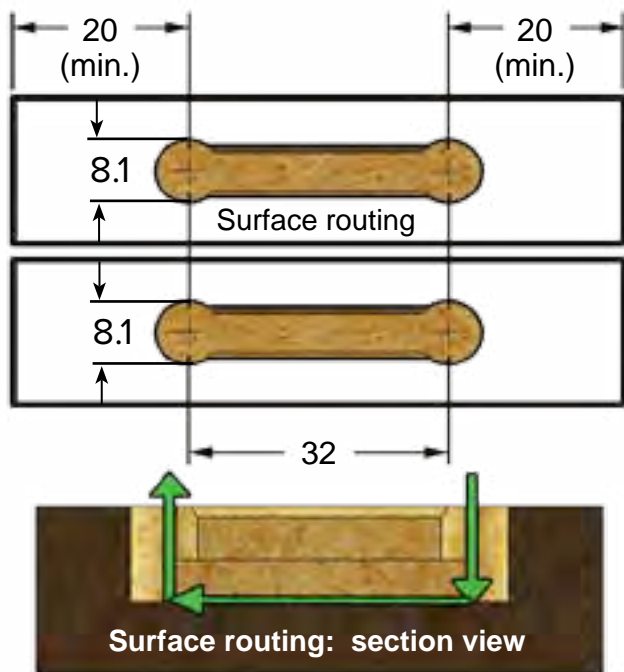
PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)

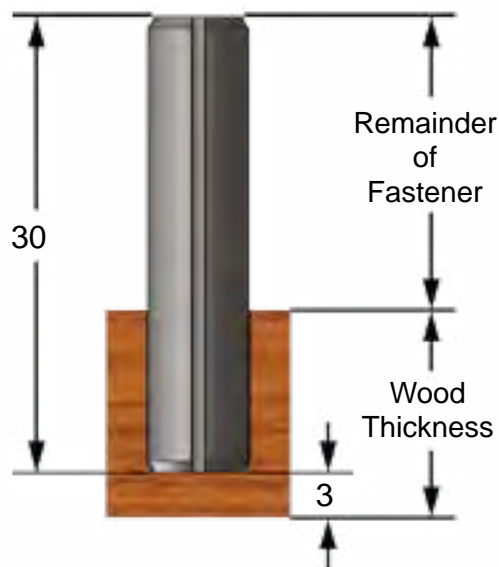




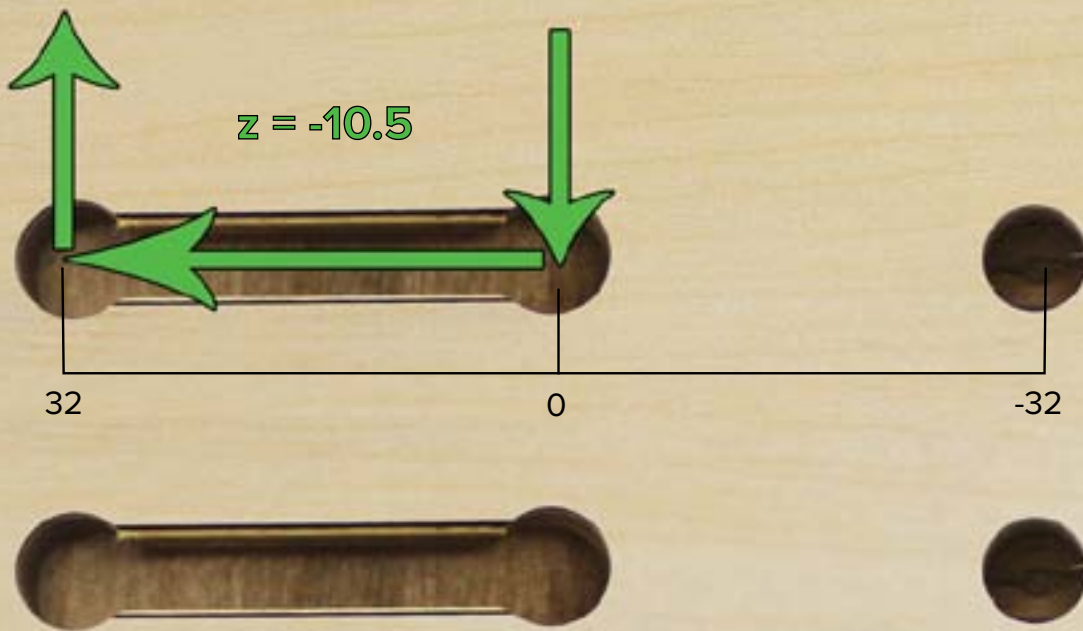
# Barbed H-Clip | ROUTING INSTRUCTIONS



Spring Pin adds sheer strength and rigidity to eliminate the necessity for gluing and clamping wood dowels.



➔ Plunge Cut: Z -10.5 | Slot: X 32 | Retract: Z 10.5  
 (Allowable depth range is -10.5 to -10.85)



All measurements are in mm

\* If using MDF, replace 8mm Drill Bit with 8.2mm Drill Bit.

PATENT PENDING



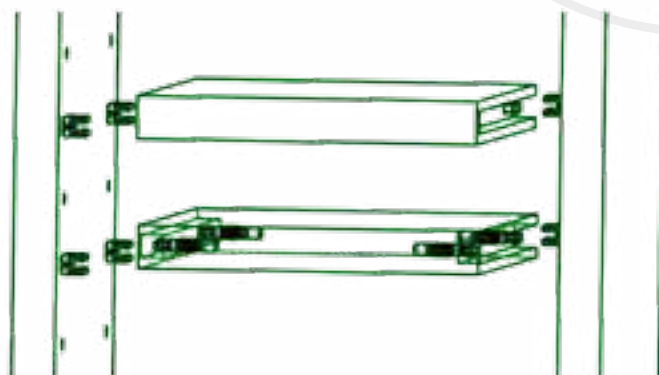
# LDST

## Hidden & Removable Adjustable Shelf Tightener

Innovative shelf tighteners are hidden after assembly and allow for easy adjustability and strength. These are used together with E900BP Mini.

### SPECIFICATION

- Pull Force: 50+ lbs.
- Sheer Force: Over 100 lbs.
- Utilize 5mm system boring
- Material: Zinc aluminum alloy
- Requires edge boring and edge routing
- Sold in pairs

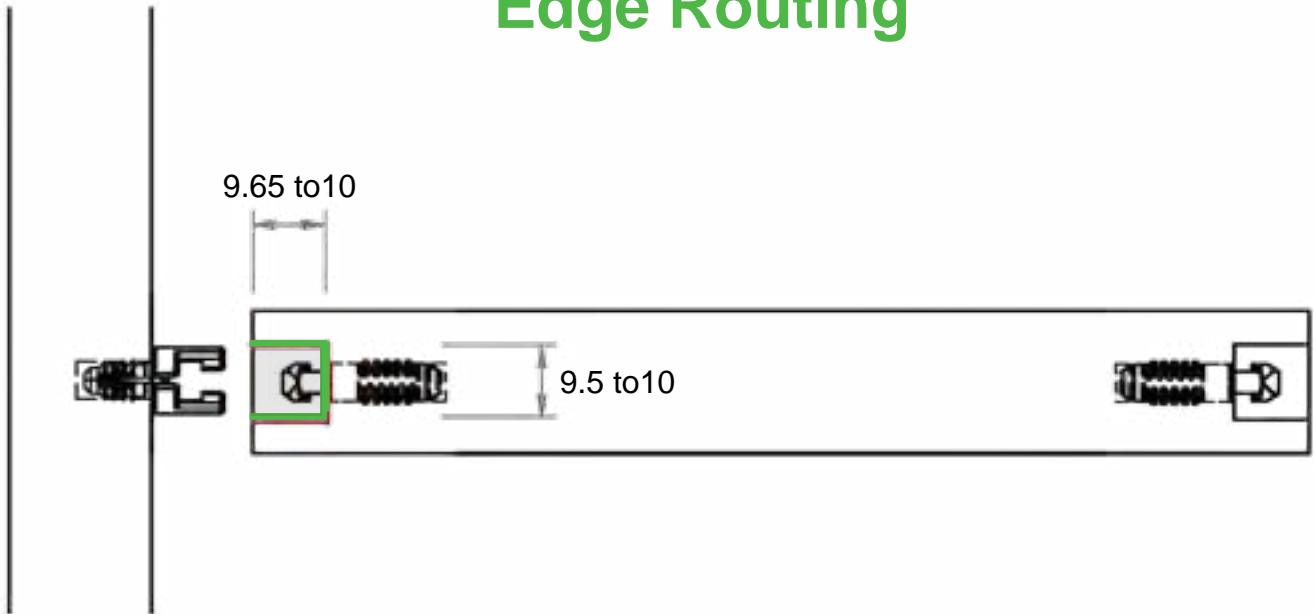


PATENT PENDING

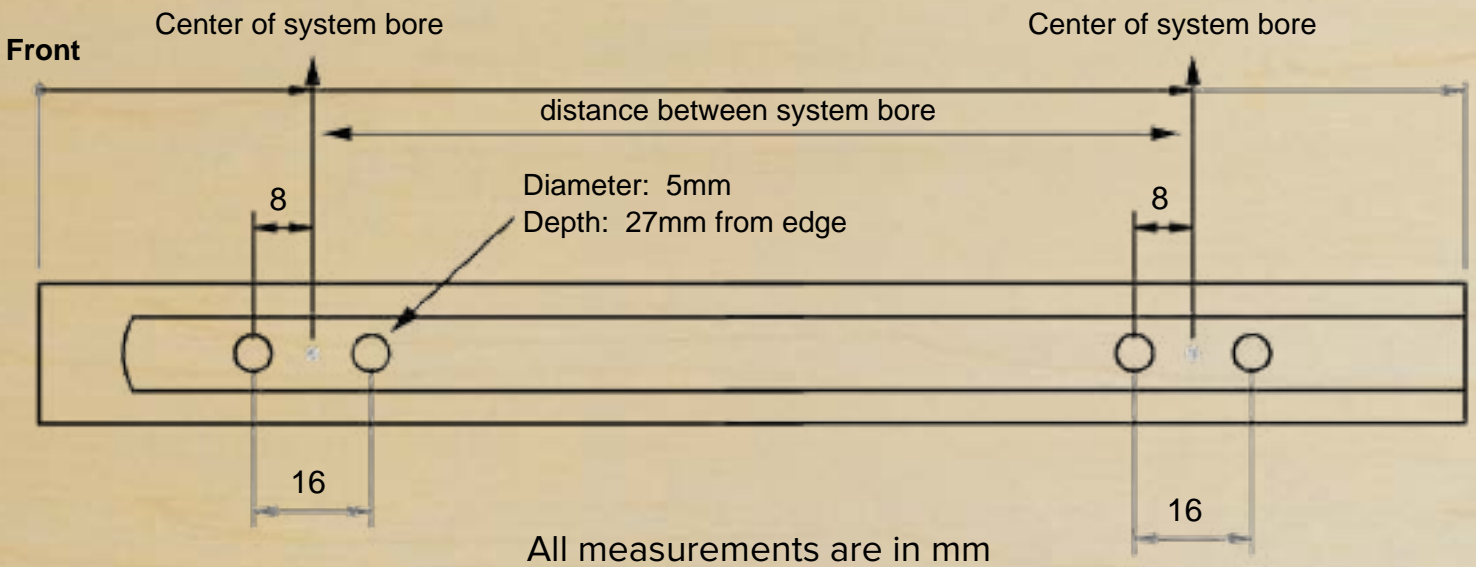
To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)



## Edge Routing



## Edge Boring



PATENT PENDING



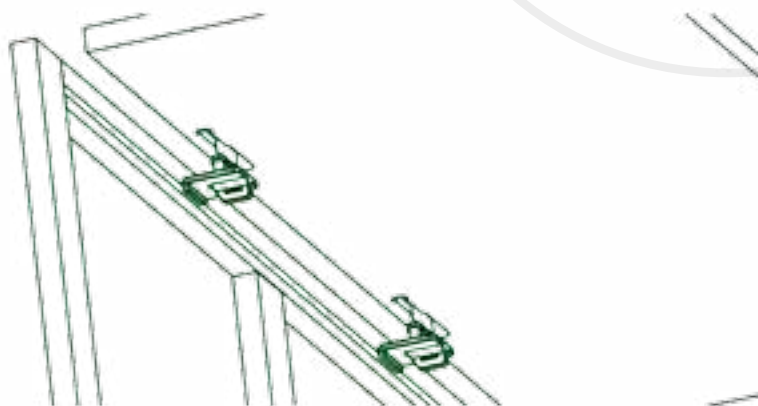
# E930FF

## Face Frame Clip

These clips are used to secure face frames to cabinets. They provide a removable sturdy joint.

### SPECIFICATION

- Pull Force: 100+ lbs.
- Shear Force: Over 100 lbs.
- Material: Nylon 6-6
- Requires CNC routing capability

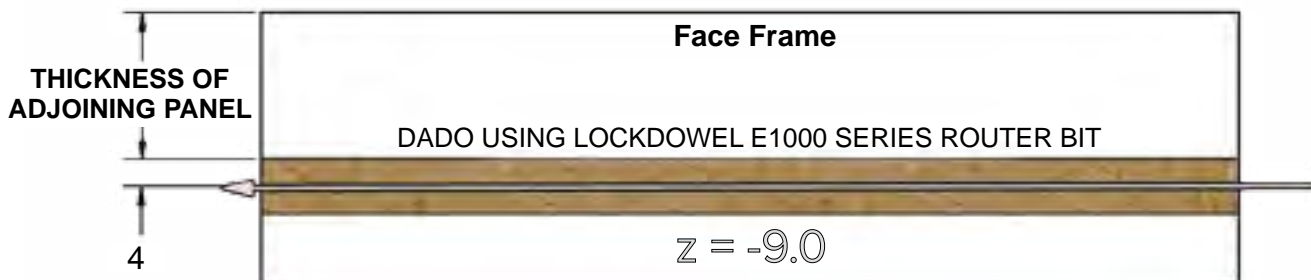
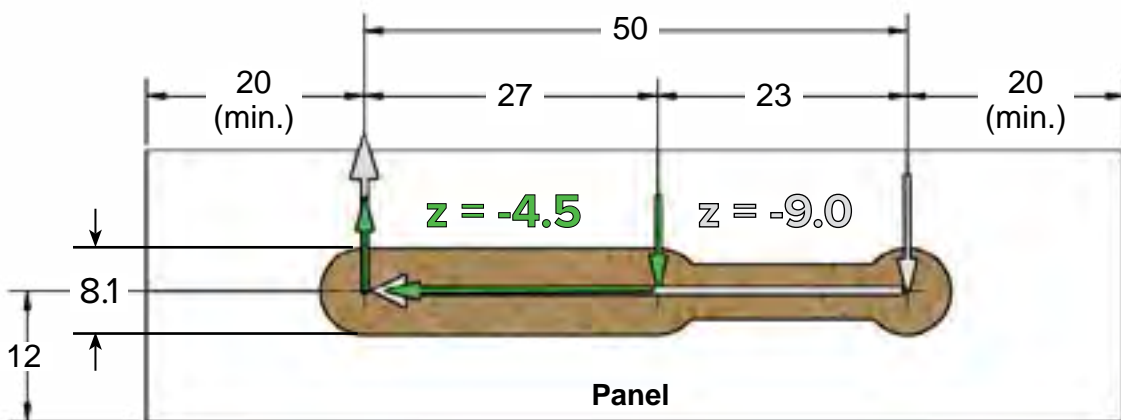



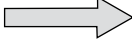
PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)



# Face Frame Clip | ROUTING INSTRUCTIONS



-  Plunge Cut: Z: -4.5 | Slot Cut: X: 0 to 27
-  Plunge Cut: Z; -9.0 | Key Slot: X: -23 to 27  
(Allowable depth range is -9.0 to -9.3)

All measurements are in mm

\* If using MDF, replace 8mm Drill Bit with 8.2mm Drill Bit.

PATENT PENDING

# LOCKDOWEL MACHINE PARTNERS

Maximize your profits with the help of our machine partners, increasing your automation and accelerating your production time.



Lockdowel's equipment providers offer machinery solutions to automate the insertion of Lockdowel parts. These manufacturers are independent of Lockdowel and ultimately provide a value proposition directly to Lockdowel customers. We encourage researching them all to find the equipment that best meets your specific production, service, and support needs.

For more information, visit us at [www.lockdowel.com/equipment/](http://www.lockdowel.com/equipment/)

Lock In More Profit.  
**LOCKDOWEL**

Patented • Tested • Proven

866.389.5393  
[www.lockdowel.com](http://www.lockdowel.com)

**Biesse**  
Elix



**CONTACT INFORMATION**

**Cesare Magnani**  
Biesse Brand Sales Manager  
p. 704.357.3131 | m. 704.299.6415  
cesare.magnani@biesseamerica.com  
[www.biesse.com/na](http://www.biesse.com/na)

**LOCKDOWEL**

**CNC Factory**  
Scorpion LDR



**CONTACT INFORMATION**

**Chris Corrales**  
714.581.9999  
chris@cnctfactory.com  
[www.cnctfactory.com](http://www.cnctfactory.com)

**LOCKDOWEL**

**HolzHer**  
Evolution 7405 4mat \*



**CONTACT INFORMATION**

**Michael Cassell**  
Executive Sales Manager  
704.587.3400 ext. 7427  
michael.cassell@holzher.com  
[www.holzherusa.com](http://www.holzherusa.com)

*\* No insertion, edge-drilling only*

**LOCKDOWEL**

**Pillar Machine**  
HPLD




**CONTACT INFORMATION**

**Chris Deal**                      **Steve Devereaux**  
801.550.5183                      801.550.5183  
cdeal@pillarmachine.com      sdevereaux@pillarmachine.com  
[www.pillarmachine.com](http://www.pillarmachine.com)      [www.pillarmachine.com](http://www.pillarmachine.com)

**LOCKDOWEL**

**ProEdge Technology**  
PET 2440-LD



**CONTACT INFORMATION**

**Dale Bucy**  
844.738.3343 ext. 101  
727.403.1521 Mobile  
dale@proedgetechnology.com  
[www.ProEdgeTechnology.com](http://www.ProEdgeTechnology.com)

**LOCKDOWEL**

**SCM**  
Omni 1300 CNC Insertion



**CONTACT INFORMATION**

**John Park**  
VP Industrial Sales | SCMgroup North America  
p 770.813.8818 | m 336.312.5220  
jpark@scmgroup.com  
[www.scmgroupna.com](http://www.scmgroupna.com)

**LOCKDOWEL**

# Metal Snap Fasteners



**LOCKDOWEL**





# 10 x 8

## Lockdowel Snap

These interlocking metal snaps are used to connect components in a permanent, non-removable manner. They are best used in particle board, plywood, MDF, and selected plastic, materials. *(See minimum thickness chart pg. 56-57)*

### SPECIFICATION

- Pull Force: 50 - 150 lbs.
- Use together with Spring Pin (8002-40-R5)
- Works with a variety of wood thickness ranges

Two-Part Joint	Male Pin	Female Housing
10 x 8	2023-8B	2001B



PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)





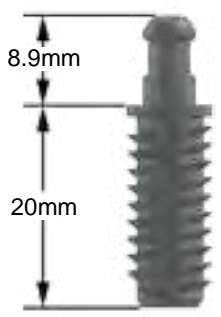
## Lockdowel 10x8 Joint

Female Housing  
Part Number: 2001B



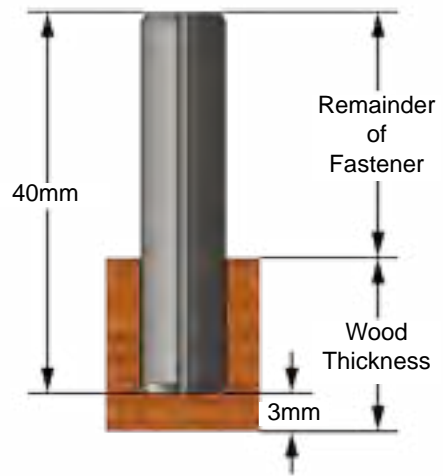
Hole Diam: 10.6mm  
Hole Depth: 11mm (+1mm/-0mm)

Male Pin  
Part Number: 2023-8B



Hole Diam: 8mm  
Hole Depth: 20mm (+1mm/-0mm)

Spring Pin  
Part Number: 8002-40-R5



Hole Diam: 8mm  
Hole Depth: See Above

Spring pin adds sheer strength and rigidity to eliminate the necessity for gluing and clamping wood dowels.

All measurements are in mm

PATENT PENDING



# 10mm Housing

## Pin Variations

Our pin variations are perfect for particle board, MDF, and plywood.

### SPECIFICATION

- Pull Force: 50 - 150 lbs.
- Use together with Spring Pin
- Works with a variety of wood thickness ranges

Joint Name	Female Housing	Male Pin
10 x DH	2001B	2023DH-90
10 x MS	2001B	2023M5



#### 10xDH

10mm housing with double headed pin



#### 10xM5

10mm housing with metal-to-wood pin



PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)



# Pin Variations | DRILLING INSTRUCTIONS

## Lockdowel Double-Headed Pin

Pull Strength: 100 - 110 lbs. (45.3 - 49.8 kgs)

Use to fasten two female housings together

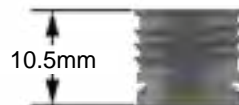
Female Housing  
Part Number: 2001B



Hole Diam: 10.6mm  
Hole Depth: 11mm (+1mm/-0mm)



Female Housing  
Part Number: 2001B



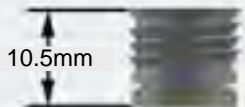
Hole Diam: 10.6mm  
Hole Depth: 11mm (+1mm/-0mm)

METAL SNAPS

## Lockdowel Metal to Wood Pin

Pull Strength: 100 - 110 lbs. (45.3 - 49.8 kgs)

Use to fasten metal to wood with M5 thread



Hole Diam: 10.6mm  
Hole Depth: 11mm (+1mm/-0mm)



M5 Thread

Spring pin adds sheer strength and rigidity to eliminate the necessity for gluing and clamping wood dowels.

All measurements are in mm

PATENT PENDING

# LOCKDOWEL QUALITY STANDARDS GO ABOVE AND BEYOND



CABINETS • CLOSETS • FURNITURE • OFFICE SYSTEMS

## That's why the industry is changing to Lockdowel

Lockdowel's fastening system guarantees that fasteners are positioned correctly every time with the precision holes and routes pre-drilled via CNC equipment. Products built with Lockdowel hardware have been tested by an independent laboratory to ensure they meet all ANSI/BIFMA test standards. There is significantly less labor content, so the potential for manmade assembly error and returns is minimized.

Lockdowel provides remarkable labor savings and easy assembly process in addition to virtually eliminating employee training time and reducing shipping costs with flat-packing. Is it any wonder that companies everywhere are making the change to Lockdowel?



*"Lockdowel changed everything. We went from completing around 25 cabinets a day with full overhead of staff to operating with less than 6 employees in the shop and completing 135 cabinets a day."*

- Chad Shelton, CEO of Bella IMC on everything changed when they switched traditional manufacturing to incorporating Lockdowel.



*"The turning point was our fastener decision as we wanted hidden fasteners for aesthetic reasons. More than just being a hidden fastener, we needed to be able to automate the process of machining and inserting the fastener."*

- Ron Devillez, Director of Process Engineering for Kimball International comments on Kimball's decision to switch to Lockdowel fasteners.



LOCK IN MORE PROFIT.

Patented • Tested • Proven

[www.lockdowel.com](http://www.lockdowel.com)

# Nylon Cinch Fasteners



**LOCKDOWEL**





**10mm  
8mm**

# Nylon Cinch Fasteners

These nylon cinches provide a sturdy joint with four points of connection. They are perfect for particle board, MDF, and plywood.

## SPECIFICATION

- Pull Force: 50 - 70 lbs.
- Material: Nylon 6-6
- Use together with Spring Pin
- Works with a variety of wood thickness ranges



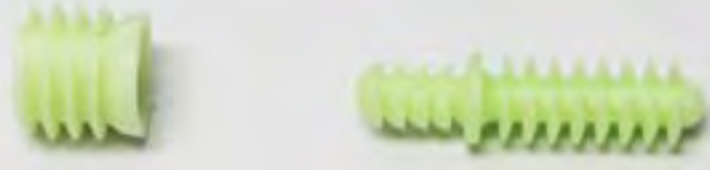
Joint Name	Female Housing	Male Pin
10mm Cinch	5001	5023
8mm Cinch	4001	4023

PLASTIC CINCH

**10mm Cinch**



**8mm Cinch**



PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)



# Nylon Cinch Fasteners | DRILLING INSTRUCTIONS

## 10mm Cinch - Non-Removable Fastener

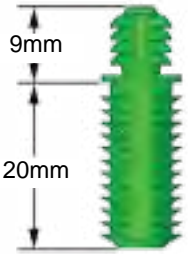
Recommended wood thickness: 16 to 19mm  
Pull strength: 60 to 70 lbs. (27.2 - 31.7 kgs)

Female Cinch Housing  
Part Number: 5001



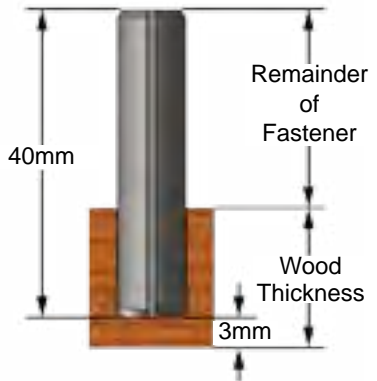
Hole Diam: 10.6mm  
Hole Depth: 10mm <sup>+1mm</sup>/<sub>-0mm</sub>

Male Cinch Pin  
Part Number: 5023



Hole Diam: 8mm  
Hole Depth: 20mm <sup>+1mm</sup>/<sub>-0mm</sub>

Spring Pin  
Part Number: 8002-40-R5



Hole Diam: 8mm  
Hole Depth: See Above

## 8mm Cinch - Non-Removable Fastener

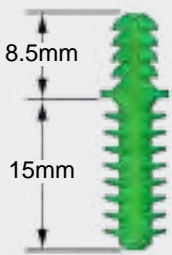
Recommended wood thickness: 12 - 15mm  
Pull Strength: 40 - 50 lbs. (18.1 - 22.6 kgs)

Female Cinch Housing  
Part Number: 4001



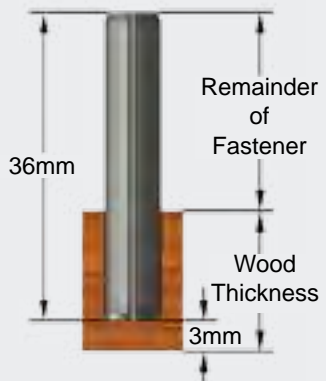
Hole Diam: 8mm  
Hole Depth: 9mm <sup>+1mm</sup>/<sub>-0mm</sub>

Male Cinch Pin  
Part Number: 4023



Hole Diam: 5mm  
Hole Depth: 15mm <sup>+1mm</sup>/<sub>-0mm</sub>

Spring Pin  
Part Number: 8005-36



Hole Diam: 5mm  
Hole Depth: See Above

Spring pin adds sheer strength and rigidity to eliminate the necessity for gluing and clamping wood dowels.

PATENT PENDING

**7000**

## Panel Fasteners

Panel fastener for providing a permanent joint and sturdy connection. They work with particle board, MDF, and plywood.

### SPECIFICATION

- Pull Force: 25-50 lbs.
- Sheer Force: 50 lbs.
- Recommended wood thickness  
3-7mm back panels
- Non-removable fastener



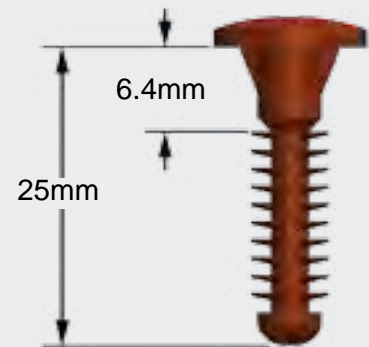
### Panel Fastener #1

Part #7000



Hole Diam.: 5mm (thru board edge)

Hole Depth: Thru (back panel), 25mm (thru board edge)



PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)





# E85-40BP

## Straight Barbed Connector

This connector provides a permanent joint. It is best used with particle board, MDF, and plywood.

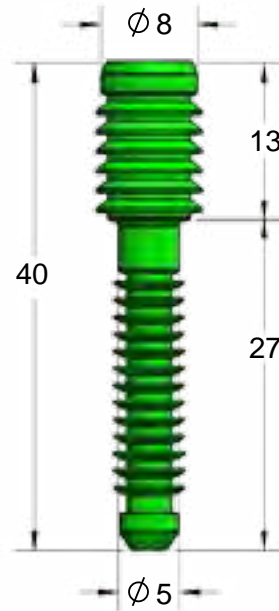
### SPECIFICATION

- Pull Force: 25 - 50 lbs.
- Material: Nylon 6-6
- 1 piece fastener

### DRILLING INSTRUCTIONS

Edge drilling:  
5mm diameter x 27mm depth

Board face drilling:  
8mm diameter x 13mm depth



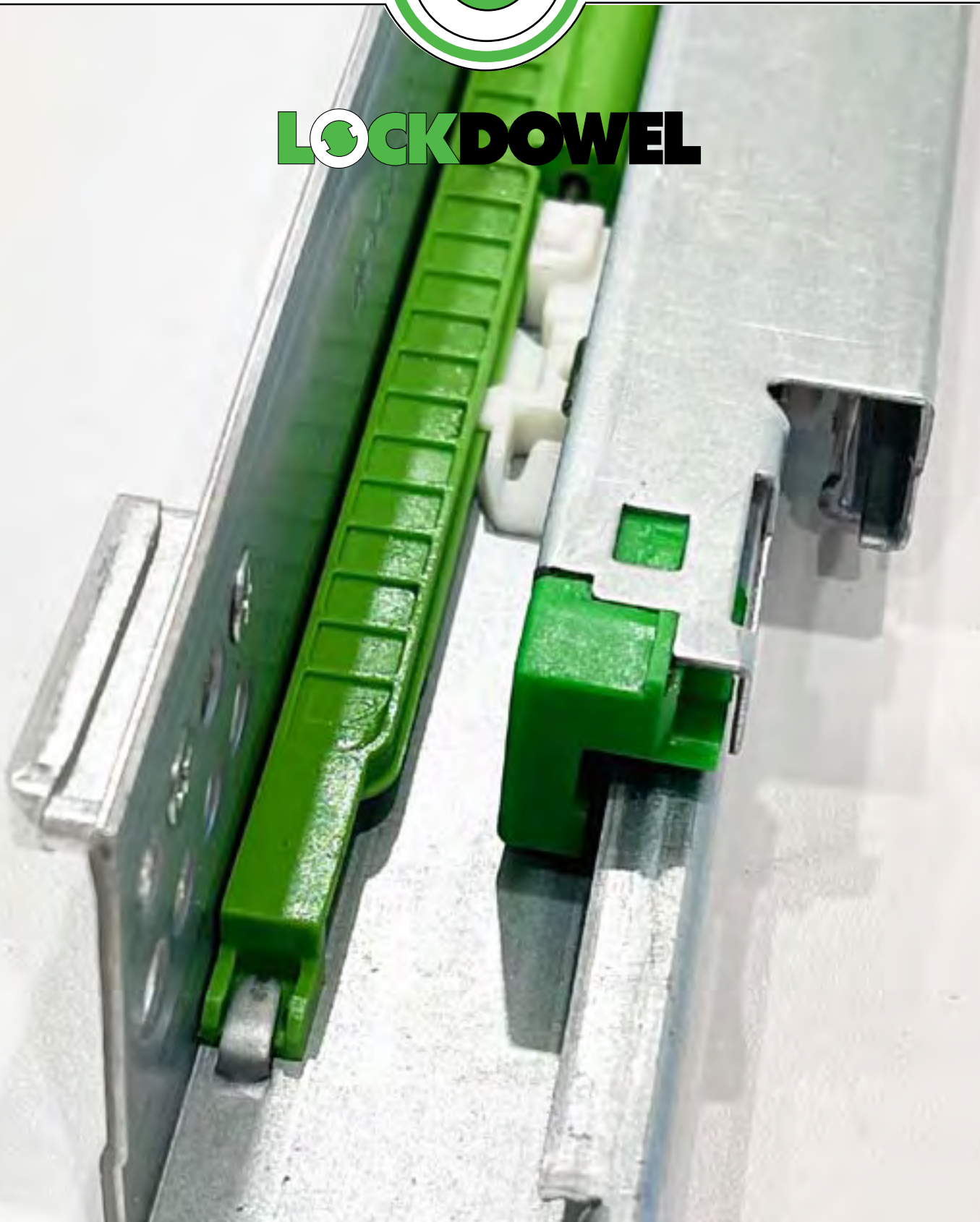
PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)

# Drawer Slides & Hinges



**LOCKDOWEL**



# INTRODUCING THE FASTEST SOLUTION ON THE MARKET TODAY

## Lockdowel's One-Click Drawer Slides



Align drawer slide with Channel Lock fittings. Insert and slide forward to install. Done.

### WHY SHOULD YOU TRY IT?



Do you dread drawer installation? Not any more. Lockdowel's One-Click drawer slides make the process simple, accurate, and incredibly fast. The drawer slides all come with our factory-installed, patented Channel Lock fasteners.

Channel Lock fitting slots are routed perfectly with CNC routers during manufacturing. Our trusted Channel Lock solutions have already been incorporated into over 1,000,000 cabinets!

Our drawer slides are the fastest solution on the market and require no tools. Our 3D adjusters make your undermount alignments perfect. Simply insert and slide forward to complete. It's that easy!

**Can't find the slide you're looking for? Inquire at [info@lockdowel.com](mailto:info@lockdowel.com) and we can make it special order!**

**Lock In More Profit.**  
**LOCKDOWEL™**

**Patented • Tested • Proven**

**[www.lockdowel.com](http://www.lockdowel.com)**  
**866.389.5393**



# LDSCU-3D

## 3-Way Adjustment Soft-Close Undermount

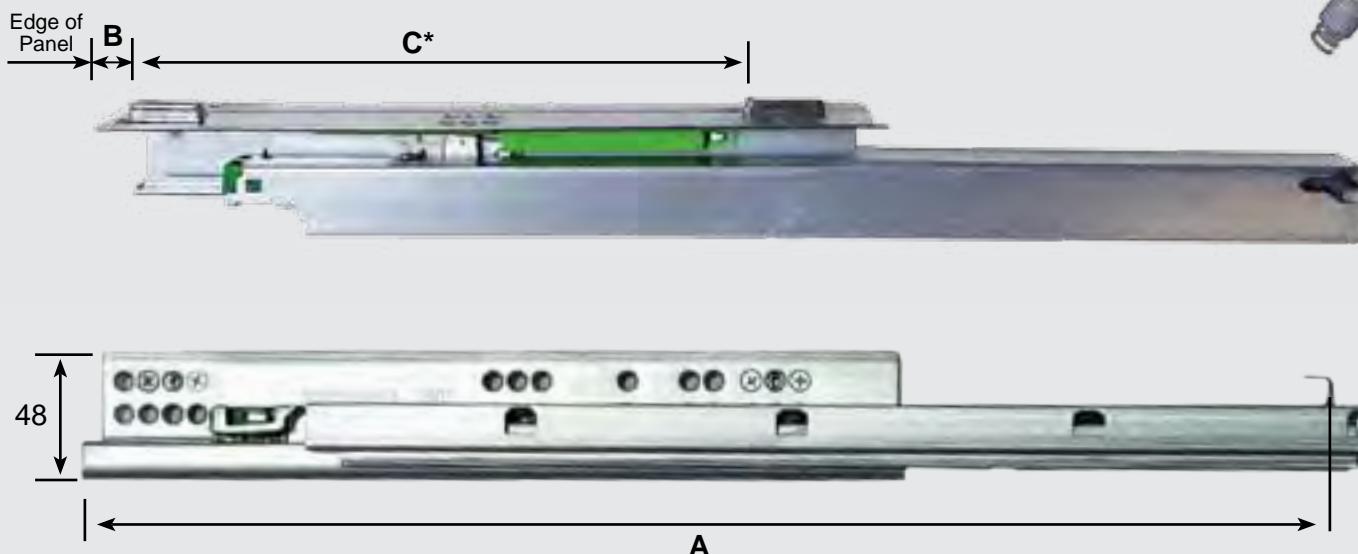
A silent, soft-closing system with 3-Way adjustment that is suitable for all drawer applications. It uses Lockdowel's patented fasteners and offers excellent stability.

### SPECIFICATION

- Load Rating: 45kg (18")
- Full extension
- Extremely fast assembly
- More than 50,000 cycles test time
- 3-way adjustable clip (metal)
- ANSI and BIFMA tested and approved

*LD Clip sold separately*

Comes with drawer slide locking button



Product Number	A	B	C
LDSCU-3D-10	250	28.5	128
LDSCU-3D-12	300	28.5	224
LDSCU-3D-14	350	28.5	224
LDSCU-3D-16	400	28.5	224
LDSCU-3D-18	450	28.5	224
LDSCU-3D-20	500	28.5	256
LDSCU-3D-22	550	28.5	128/192

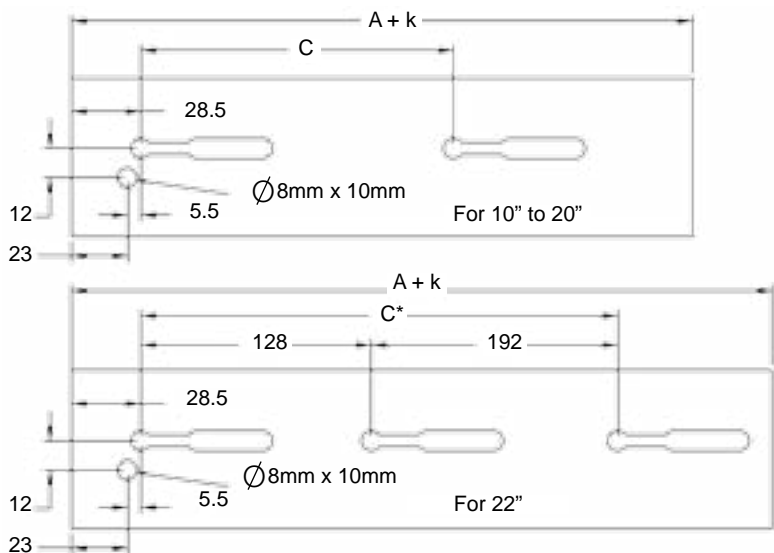
C\*: For 22" drawerslide, an additional Lockdowel channel lock will be located between C for extra stability. All measurements are in mm

PATENT PENDING



# LDSCU-3D | INSTALLATION

## End Panel Routing Positions



k: Depending on the application, can be 1" to 3"  
 A: Drawer slide length

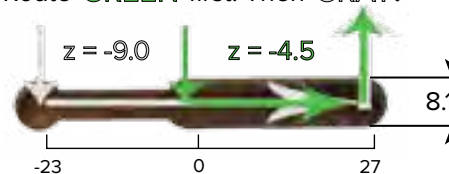
\* Undermount drawer slide routs are 21.6mm (on center) above the bottom edge of the drawer box end panels.



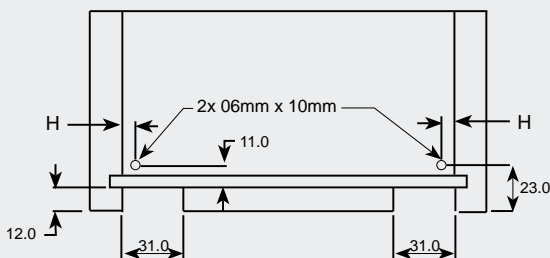
## Routing Details

↑ Plunge Cut: Z: -4.5 | Slot Cut: X: 0 to 27  
 ↑ Plunge Cut: Z: -9.0 | Key Slot: X: -23 to 27  
 (Allowable depth range is -9.0 to -9.3)

Route **GREEN** first. Then **GRAY**.



## Drawer Box Drilling and Routing Positions



H	Material Thickness of Drawer
4	19 (3/4")
7	16 (5/8")
7	12.7 (1/2")

Drawer Slide	DRAWER BOX LENGTH					
	1/2" thick drawer boxes		5/8" thick drawer boxes		3/4" thick drawer boxes	
	INCH	MM	INCH	MM	INCH	MM
LDSCU-3D-10	10 3/4	273.0	10 7/8	276.0	11	279.0
LDSCU-3D-12	12 11/16	323.0	12 13/16	326.0	12 15/16	329.0
LDSCU-3D-14	14 5/8	372.0	14 3/4	375.0	14 7/8	378.0
LDSCU-3D-16	16 5/8	422.0	16 3/4	426.0	16 7/8	429.0
LDSCU-3D-18	18 5/8	473.0	18 3/4	476.0	18 7/8	479.0
LDSCU-3D-20	20 9/16	523.0	20 11/16	526.0	20 13/16	529.0
LDSCU-3D-22	22 9/16	573.0	22 11/16	576.0	22 13/16	579.0



C\*: For 22" drawerslide, an additional Lockdowel channellock will be located between C for extra stability.  
 All measurements are in mm

PATENT PENDING

DRAWER SLIDES & HINGES

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)

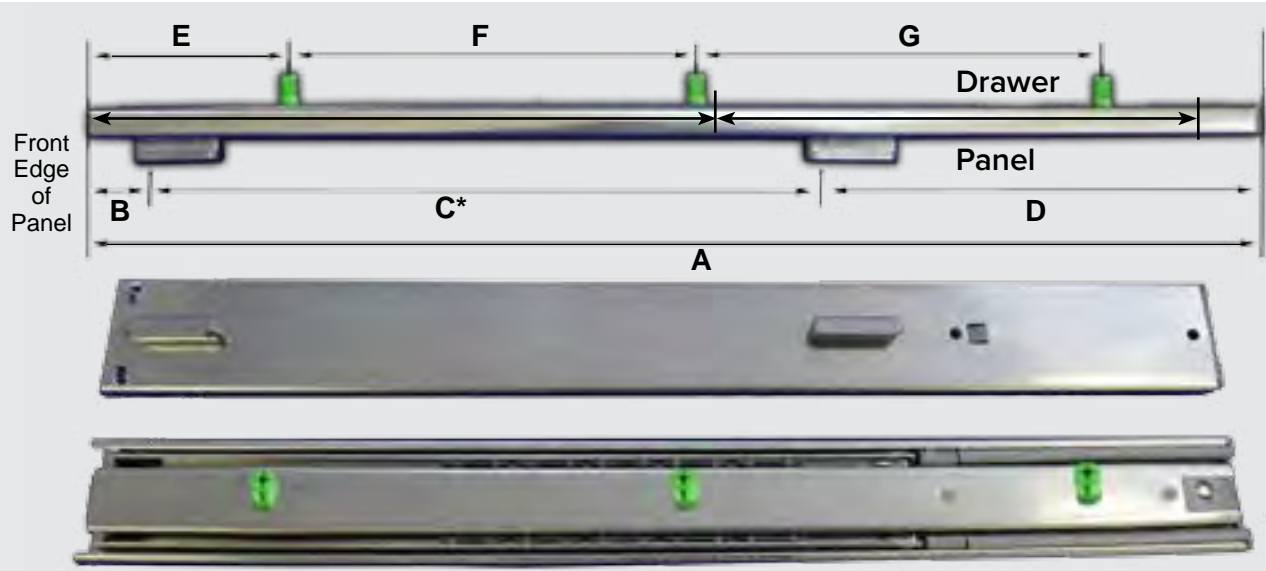



# LDSMSC-45 Soft-Close Ball Bearing Slide

A silent, soft-closing system that features drawer disconnect with trigger release. It uses Lockdowel's patented fasteners and offers excellent stability.

## SPECIFICATION

- Load Rating: 45kg (18")
- Full extension
- Extremely fast assembly
- More than 50,000 cycles test time
- Suitable for all drawer applications
- ANSI and BIFMA tested and approved



 Comes with drawer slide locking button

Product Number	A	B	C	D	E	F	G
LDSMSC-45-10	250	15.5	90	135	63	139	--
LDSMSC-45-12	300	15.5	140	135	63	158	--
LDSMSC-45-14	350	15.5	190	135	63	209	--
LDSMSC-45-16	400	15.5	240	135	63	143	117
LDSMSC-45-18	450	15.5	290	135	63	158.5	150
LDSMSC-45-20	500	15.5	340	135	63	194	167
LDSMSC-45-22	550	15.5	234/156	135	63	228	182

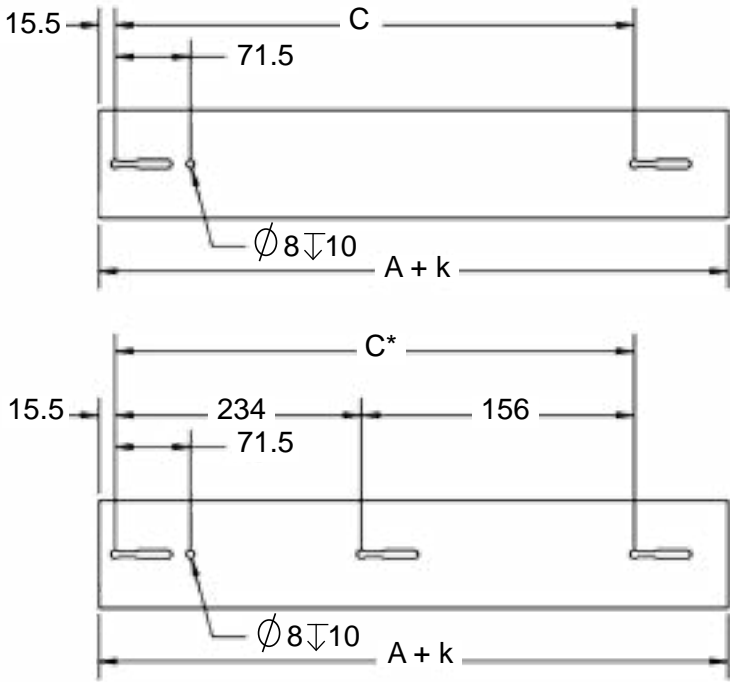
C\*: For 22' drawerslides, an additional Lockdowel channel lock will be located between C for extra stability. All measurements are in mm

PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)



## End Panel

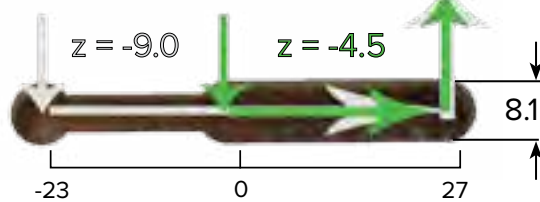


k: Depending on the application, can be 1" to 3"  
 A: Drawer slide length  
 \* 8mm hole is for drawer slide locking button

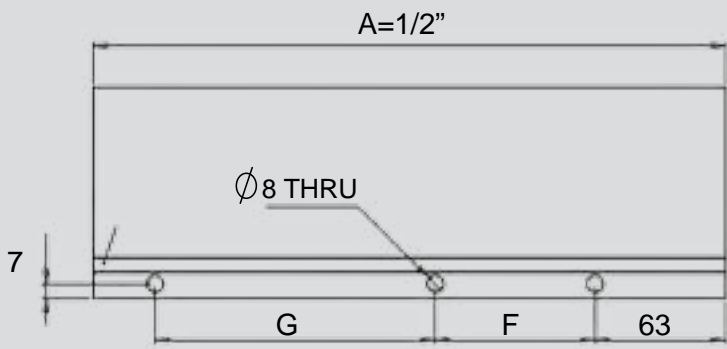
## Routing Details

- ↑ Plunge Cut: Z: -4.5 | Slot Cut: X: 0 to 27
- ↑ Plunge Cut: Z: -9.0 | Key Slot: X: -23 to 27  
(Allowable depth range is -9.0 to -9.3)

Route **GREEN** first. Then **GRAY**.



## Drawer Box



## Overview



C\*: For 22" drawerslides, an additional Lockdowel channel lock will be located between C for extra stability.  
 All measurements are in mm

PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)



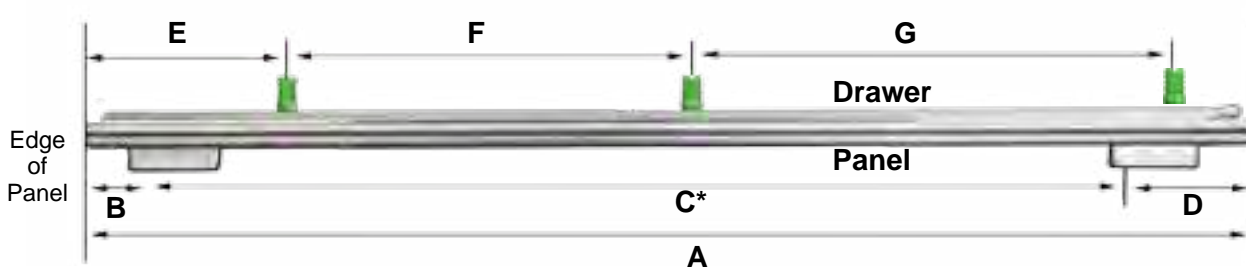
# LDSM3P-25

## 3-Piece Ball Bearing Slide

*Special order only. MOQ 1000 pairs.* 3-piece ball bearing slides feature excellent stability and have drawer disconnect with trigger release. They use patented Lockdowel fasteners.

### SPECIFICATION

- Load Rating: 25kg (18")
- Full extension
- More than 50,000 cycles test time
- Suitable for all drawer applications



Comes with drawer slide locking button

Product Number	A	B	C	D	E	F	G
LDSM3P-25-10	250	15.5	195	39	63	163	--
LDSM3P-25-12	300	15.5	245	39	63	77	135
LDSM3P-25-14	350	15.5	295	39	63	102	160
LDSM3P-25-16	400	15.5	345	39	63	142.5	170
LDSM3P-25-18	450	15.5	395	39	63	159.5	203
LDSM3P-25-20	500	15.5	445	39	63	193	219.5
LDSM3P-25-22	550	15.5	235/260	39	63	228	235

C\*: For 22' drawerslides, an additional Lockdowel channel lock will be located between C for extra stability. All measurements are in mm

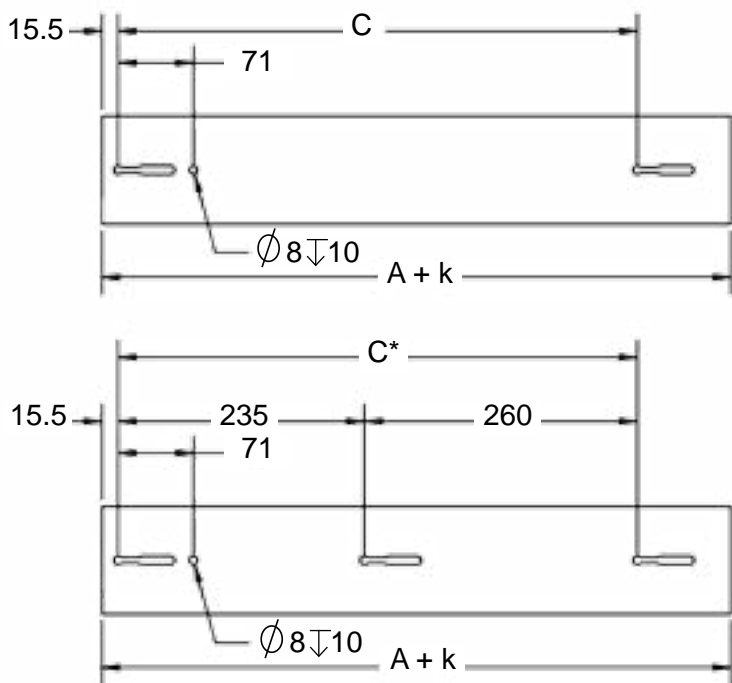
PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)





## End Panel



k: Depending on the application, can be 1" to 3"

A: Drawer slide length

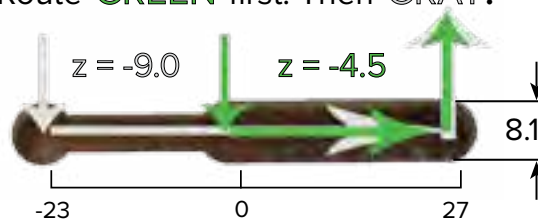
\* 8mm hole is for drawer slide locking button

## Routing Details

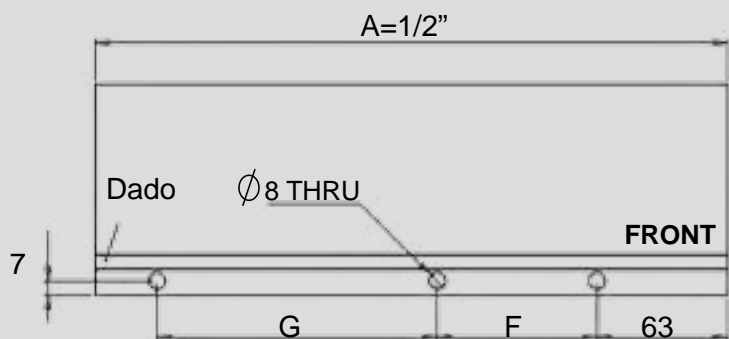
↑ Plunge Cut: Z: -4.5 | Slot Cut: X: 0 to 27

↑ Plunge Cut: Z: -9.0 | Key Slot: X: -23 to 27  
(Allowable depth range is -9.0 to -9.3)

Route **GREEN** first. Then **GRAY**.



## Drawer Box



## Overview



C\*: For 22' drawerslides, an additional Lockdowel channel lock will be located between C for extra stability.  
All measurements are in mm

PATENT PENDING

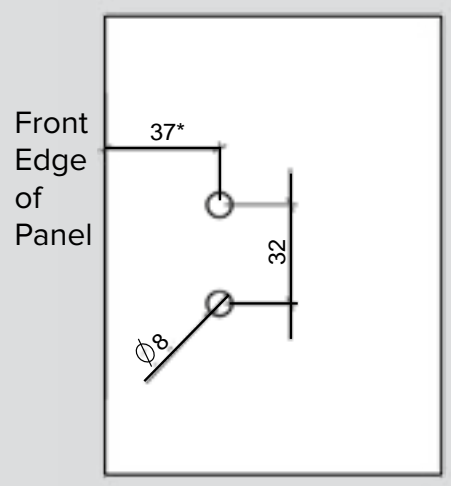
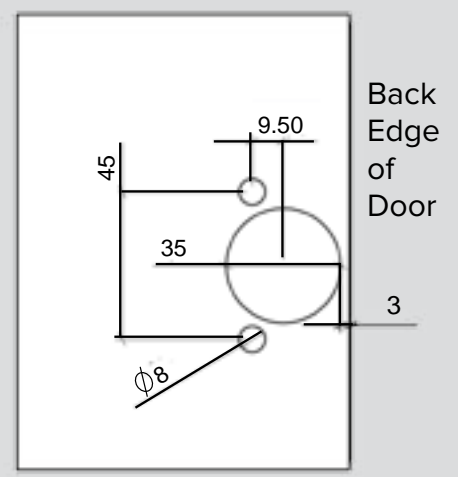
To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)



# Hinges

## Soft Close

*Special order only. MOQ 1000 pairs.*



Hinges	Part Number	Description
Full Overlay	LDHFO	Standard 110° Soft Close

*Special Order Only. MOQ 1000 units.*

PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)



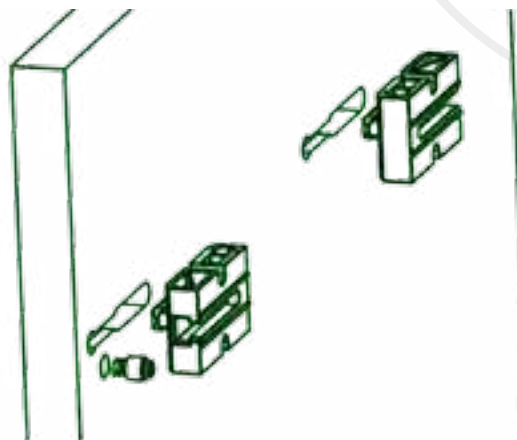
# LDSpacer

## Drawer Slide Spacer

Drawer slide spacers for face frame cabinets. Can only be used with Lockdowel undermount and sidemount drawer slides.

### SPECIFICATION

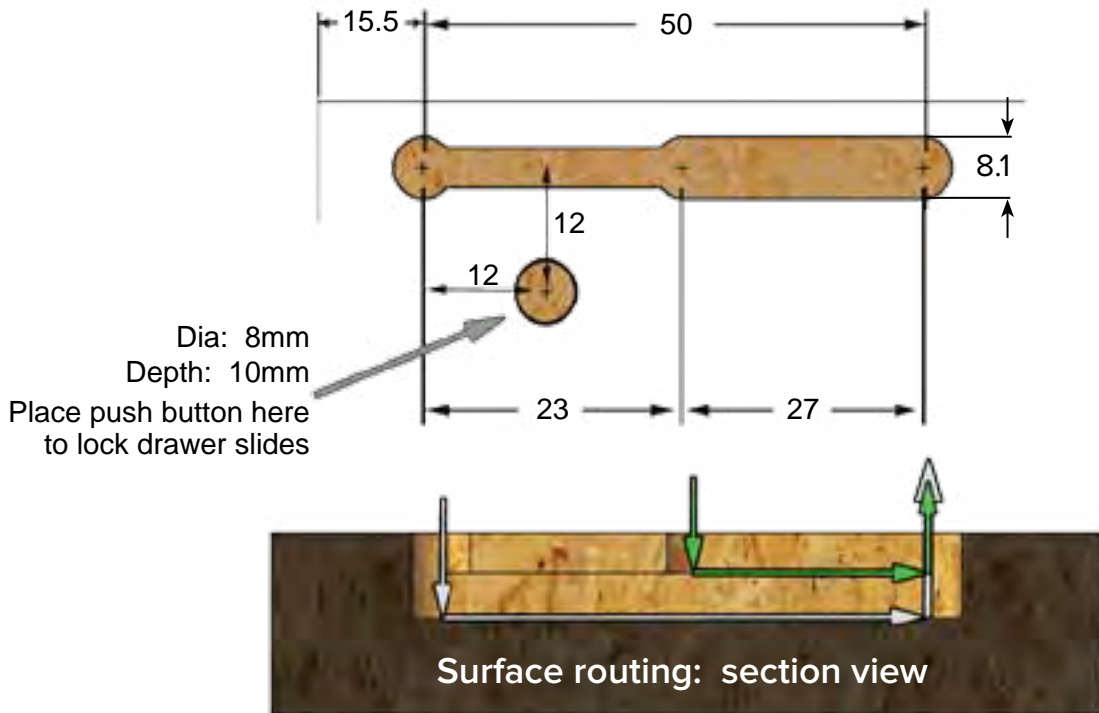
- Pull Force: 70+ lbs.
- Material: Nylon 6-6
- Sheer Force: over 100 lbs.
- Stackable 1/2" spacer for face frame cabinets







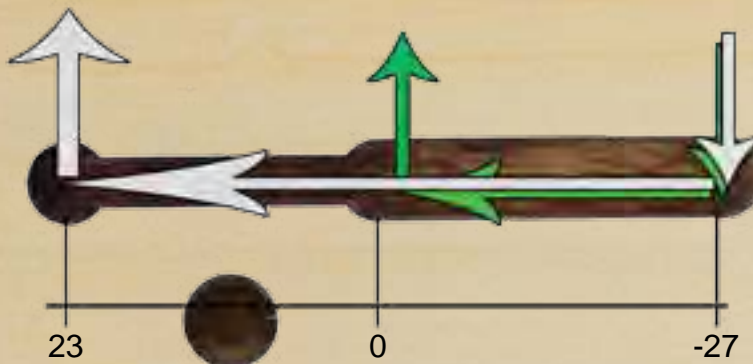
# Drawer Slide Spacer

## ROUTING INSTRUCTIONS



-  Plunge Cut: Z: -4.5 | Slot Cut: X: 0 to -27
-  Plunge Cut: Z: -9.0 | Key Slot: X: 23 to -27  
(Allowable depth range is -9.0 to -9.3)

Route **GREEN** first. Then **GRAY**.



All measurements are in mm

PATENT PENDING

# Spring Pins & Router Bits



**LOCKDOWEL**



# Spring Pins

## Specifications



### SKU: 8002-40-R5

Spring Pin adds sheer strength and rigidity to eliminate the necessity for gluing and clamping.

- Diameter: 8mm
- Length: 40mm
- Wood thickness: 5/8"+

Use together with Lockdowel products:

- EClips barbed channel lock (E900BP & E900BM)
- EClips barbed H-Clip (E910BP)
- All Snap Fasteners
- All Cinch Fasteners



### SKU: 8002-30

Spring Pin adds sheer strength and rigidity to eliminate the necessity for gluing and clamping.

- Diameter: 8mm
- Length: 30mm
- Wood thickness: 5/8"+

Use together with Lockdowel product:

- EClips double-sided H-Clip (E910P)



### SKU: 8005-36

Spring Pin adds sheer strength and rigidity to eliminate the necessity for gluing and clamping.

- Diameter: 5mm
- Length: 36mm
- Wood thickness: 1/2"+

Use together with Lockdowel products:

- EClips mini barbed channel lock (E900BP-Mini & E900BM-Mini)
- All Snap Fasteners
- All Cinch Fasteners



PATENT PENDING

To order, call 866-389-5393 or visit online at [lockdowel.odoo.com/shop](http://lockdowel.odoo.com/shop)



# Router Bits

## For E-Clips | SPECIFICATIONS



**SKU: E1000-B (3/8" Shank)**

**SKU: LDN#130079007 by Leitz 19 (1/2" Shank)**

Use to rout Lockdowel EClips and drawer slide

- 2 Flute
- 100% carbide | 100% tungsten carbide
- Cutting Length: 11mm
- Overall Length: 76.2mm | 70.0mm
- Shank OD: 9.525 (3/8") | 12.7mm (1/2")

Recommended Material:

- Particle Board
- Low Density Plywood
- Low to Medium Density MDF
- High Density Plywood
- Solid Wood
- HDPE • Plastic

Speed: 18,000 RPM

Feed Rate: 15,000 mm/min (590 inches/min) | 20,000 mm/min

Plunge Rate: 4,000 mm/min (158 inches/min)



**SKU: E1000-H (1/4" Shank) - OEM**

Use to rout Lockdowel P/N E3259BM

- 2 Flute • 100% carbide
- Cutting Length: 11mm
- Overall Length: 76.2mm
- Shank Diameter: 6.35 (1/4")

Recommended Material:

- Particle Board • MDF • PVC
- High Density Plywood
- Solid Wood
- HDPE Plastic

Speed: 18,000 RPM

Feed Rate: 12,000 mm/min (472 inches/min)

Plunge Rate: 4,000 mm/min (158 inches/min)



**SKU: E2000 (1/4" Shank) - OEM**

Use to rout mini barbed channel lock (E900BP-Mini & E900BM-Mini)

- 2 Flute • 100% carbide
- Cutting Length: 6.5mm
- Overall Length: 65mm
- Shank Diameter: 6.35 (1/4")

Recommended Material:

- Particle Board • MDF
- Plywood
- Solid Wood
- Plastics

Speed: 12,000 RPM

Feed Rate: 3,000 mm/min (118 inches/min)

Plunge Rate: 2,000 mm/min (79 inches/min)

PATENT PENDING

# LOCKDOWEL PRODUCT COMPARISON CHART








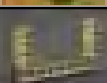
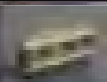






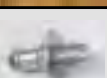
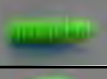
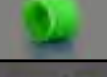
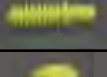


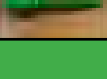




Image	Product	Purpose	Type	Box Size	Description	Removable	Pull Force	Sheer Force	Min. Material Thickness				Other Parts Used
									Particle-board	MDF	Plywood	HDPE	
<b>E-Clips Fasteners</b>													
	E900BP	Standard channel locks in nylon; used for slide-together applications	Nylon CL	2000	Barbed Channel Lock	Yes	120-160	100+	3/4"	3/4"	5/8"	5/8"	Spring Pin
	E900BP-8	Posts are 8mm deep; used for face-to-face	Nylon CL	3000	Barbed Channel Lock	Yes	120-160	100+	3/4"	3/4"	5/8"	5/8"	Spring Pin
	E900DH-P	Used to join two panels face-to-face (like elevator panels, face panels on a reception desk, end panels, etc.)	Nylon CL	3000	Double-sided Channel Lock	Yes	160	100+	1/2"	1/2"	1/2"	1/2"	N/A
	E930FF	Can be used for face frames or as a corner joint. Will be visible in some cases	Nylon CL	1000	Face Frame Clip	Yes	100	100+	1/2"	1/2"	1/2"	1/2"	N/A
	E900BP-Mini	Mini version of channel lock, for used with 1/2" panels	Nylon CL	2000	Mini Channel Lock	Yes	70	50+	1/2"	1/2"	1/2"	1/2"	Spring Pin
	E910BP	Standard H-Clip in nylon; used for permanent assembly applications (must use spring pins at 1:1 ratio)	Nylon HC	2000	Barbed H-Clip	No	100	100	3/4"	3/4"	5/8"	5/8"	1:1 with Spring Pin
	E910DH-P	Used to permanently join two panels face-to-face (similar to Double-sided Channel Lock)	Nylon HC	500	Double-sided H-Clip	No	100	100	5/8"	5/8"	5/8"	5/8"	1:1 with Spring Pin
	E900BM	Standard channel lock in metal, more rigid than nylon. For more HD applications	Zinc Die Cast CL	500	Barbed Metal Channel Lock	Yes	120-160	500	3/4"	3/4"	3/4"	3/4"	Spring Pin
	E900DH-M	Used to join two panels, face-to-face (like elevator panels, face panels on a reception desk, end panels, etc.)	Zinc Die Cast CL	500	Double-sided Metal Channel Lock	Yes	120-160	500	1/2"	1/2"	1/2"	1/2"	N/A
	E900BM-Mini	Mini metal Channel Lock, 5mm post x 16mm cc. Mini version of Channel Lock for use with 1/2" panels	Zinc Die Cast CL	2000	Mini Metal Channel Lock	Yes	70	250	1/2"	1/2"	1/2"	1/2"	Spring Pin
	E3259BM	Mini metal Channel Lock; 5mm post x 32mm cc	Zinc Die Cast CL	1000	32mm Metal Mini Channel Lock	Yes	70	250	1/2"	1/2"	1/2"	1/2"	Spring Pin
	LDST	Used for fixed or adjustable shelves; must be used with E900BP Mini sold separately (as shown)	Zinc Die Cast CL	500 sets	Permanent/Removable Shelf Bracket	Yes	50	100	3/4"	3/4"	3/4"	3/4"	E900BP Mini



Image	Product	Purpose	Type	Box Size	Description	Removable	Pull Force	Sheer Force	Min. Material Thickness				Other Parts Used
									Particle-board	MDF	Ply-wood	HDPE	
<b>10 x 8 Fasteners</b>													
	<b>2023-8B</b>	Various uses; must be used with a spring pin and a female housing p/n 2001B	10x8 Metal	2000	Male Pin	No	50-150	250	5/8"	5/8"	5/8"	5/8"	1:1 with steel spring pin other product requires one 2001B
	<b>2001B</b>	Must be used with a male 10x8 pin 2023-8B and a spring pin	10x8 Metal	2000	Female Housing	NO	50-150	N/A	5/8"	5/8"	5/8"	5/8"	1:1 with steel spring pin
	<b>2023DH-90</b>	Various uses; must be used with a spring pin and two female housings	10x8 Metal	2000	Double Headed Male Pin	No	100-110	250	N/A	N/A	N/A	N/A	1:1 with steel spring pin other product requires two 2001B
	<b>2023-M5</b>	Good for threading into metal or threaded nuts; must be used w/ a spring pin and a female housing	10x8 Metal	Each	M5 Threaded Wood to Metal Fastener	No	100-110	250	5/8"	5/8"	5/8"	5/8"	1:1 with steel spring pin other product requires one 2001B
<b>Cinch Fasteners</b>													
	<b>5023</b>	Various uses; must be used with spring pin	Nylon	2000	8mm Cinch Male Pin	No	60-70	N/A	5/8"	5/8"	5/8"	5/8"	1:1 with steel spring pin; Requires one 5001
	<b>5001</b>	Various uses; must be used with spring pin	Nylon	2000	10mm Cinch Female Housing	No	60-70	N/A	5/8"	5/8"	5/8"	5/8"	1:1 with steel spring pin; Requires one 5023
	<b>4023</b>	Various uses; must be used with spring pin	Nylon	2000	5mm Cinch Male Pin	No	40-50	N/A	1/2"	1/2"	1/2"	1/2"	1:1 with steel spring pin; Requires one 4001
	<b>4001</b>	Various uses; must be used with spring pin	Nylon	2000	8mm Cinch Female Housing	No	40-50	N/A	1/2"	1/2"	1/2"	1/2"	1:1 with steel spring pin; Requires one 4023
	<b>7000</b>	For use with 1/4" panels such as back panels or drawer bottoms	Nylon	2000	Back Panel Fastener	No	25-50	50	5/8"	5/8"	5/8"	5/8"	N/A
	<b>E85-40BP</b>	Various uses such as wide panels where movement is limited. Should be used with spring pins for strength	Nylon	2000	Double Barbed Dowel 5mm x 8mm	No	25-50	50	1/2"	1/2"	1/2"	1/2"	N/A
<b>Steel Spring Pins</b>													
	<b>8002-40-R5</b>	For use with H-clips in 5/8" and 3/4" panels	Steel	2000	8mm x 40mm	Yes	N/A	N/A	5/8"	5/8"	5/8"	5/8"	Various
	<b>8002-30</b>	For use with H-clips in 5/8" and 3/4" panels	Steel	2000	8mm x 30mm	Yes	N/A	N/A	5/8"	5/8"	5/8"	5/8"	Various
	<b>8005-36</b>	For use with H-clips in 1/2" panels	Steel	2000	5mm x 36mm	Yes	N/A	N/A	1/2"	1/2"	1/2"	1/2"	Various
	<b>SP</b>	Locking pin for use with all drawer slides or other applications for locking panels in place	Steel	200	Spring Locking Pin	Yes	N/A	N/A	1/2"	1/2"	1/2"	1/2"	Drawer Slides

# Lock In More Profit. **LOCKDOWEL**<sup>TM</sup>

## New to Lockdowel?

Find out if we're a good fit for your business. Order an evaluation kit to test products in your shop at [lockdowel.com/evkit/](http://lockdowel.com/evkit/) or call 866.389.5393 for help in selecting the best system to simplify your life.

**Lockdowel Inc.**

2298 Tripaldi Way  
Hayward, CA 94545  
[info@lockdowel.com](mailto:info@lockdowel.com)  
866.389.5393

[www.lockdowel.com](http://www.lockdowel.com)