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# SISO

# SCREW-IN BUSHINGS "M"

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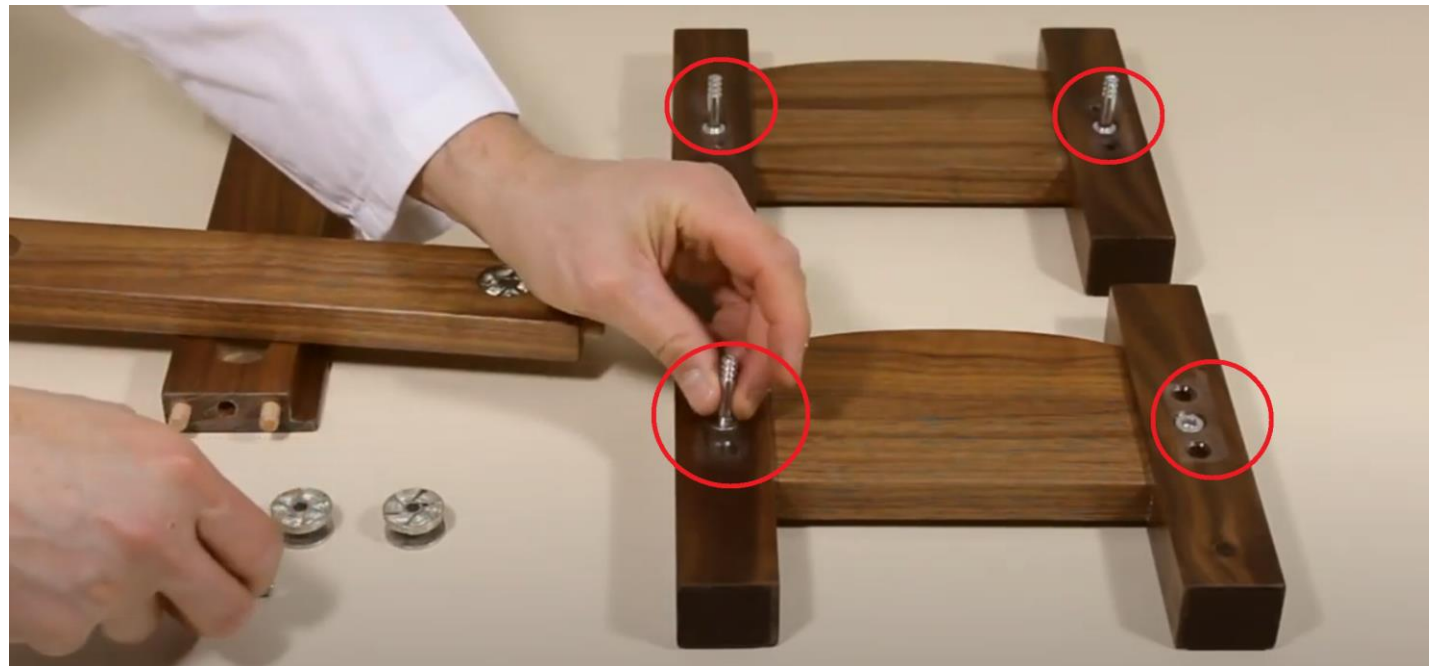
YOUR GUIDE TO CHOOSING WELL

# What is it?



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An **screw-in bushing** provides a **threaded socket** for a wooden workpiece. Bushings are inserted into a pre-drilled hole ... the external protrusions bite into the wood, preventing the bushing from either turning or pulling out.



# Where to use it?

- Particle board
- MDF
- Solid Wood
- HPL Laminates
- ....more....



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# Multifunctional

“The **screw-in bushing** is the **best anchor point** to connect furniture components if you want a long-lasting and strong connection”

- Wooden legs or adjustable levelers
- Arm rests
- Chair structures
- Table joints
- Bed joints
- Etc...



# General overview - Materials



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## STEEL



|                      | LOW | MID | HIGH |
|----------------------|-----|-----|------|
| PRICE                | \$  | \$  |      |
| STRENGTH             | ★   | ★   | ★    |
| CORROSION RESISTANCE | ★   | ★   |      |

## ZAMAK



|                      | LOW | MID | HIGH |
|----------------------|-----|-----|------|
| PRICE                | \$  | \$  |      |
| STRENGTH             | ★   | ★   |      |
| CORROSION RESISTANCE | ★   | ★   | ★    |

## PLASTIC



|                      | LOW | MID | HIGH |
|----------------------|-----|-----|------|
| PRICE                | \$  |     |      |
| STRENGTH             | ★   |     |      |
| CORROSION RESISTANCE | ★   | ★   | ★    |

## BRASS



|                      | LOW | MID | HIGH |
|----------------------|-----|-----|------|
| PRICE                | \$  | \$  | \$   |
| STRENGTH             | ★   |     |      |
| CORROSION RESISTANCE | ★   | ★   | ★    |

# Strength by material



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All SISO "M" bushings are **made from steel**, a 100% recyclable material with high strength properties. We use a cold forging process which changes the steel structure for **increased hardness**.

This means the inner thread will **resist high tightening forces**. There is an incredibly low risk of stripping the inner thread.

|                      | LOW | MID | HIGH |
|----------------------|-----|-----|------|
| PRICE                | \$  | \$  |      |
| STRENGTH             | ★   | ★   | ★    |
| CORROSION RESISTANCE | ★   | ★   |      |



# Strength by design



The material is one thing, but what sets us apart is our design and know-how.

Pull-out resistance from the wood is given by how well the wood interacts with the screw-in bushing. It reflects the **stability of the furniture** over time.

|                      | LOW | MID | HIGH |
|----------------------|-----|-----|------|
| PRICE                | \$  | \$  |      |
| STRENGTH             | ★   | ★   | ★    |
| CORROSION RESISTANCE | ★   | ★   |      |

SISO screw-in bushings are uniquely designed to **increase the force needed to prevent extraction**. This is even more evident in low density woods like particle board or MDF.

# Strength by design

Pull-out tests simulate the forces needed to extract SISO screw-in bushings from the panel.

Test in unsupported condition shows that pulling force causes the failure of the panel. Limitation is given by the panel's strength.



In furniture, panels often have support from their surroundings. For this reason we re-tested leaving only a small area exposed.



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|                    | <b>M6x12mm</b><br>Item: 12.10.259 |
|--------------------|-----------------------------------|
| Particle board     | 97,9 kgs                          |
| Solid Wood (Beech) | 302,7 kgs                         |

|                                  | <b>M8x15mm</b><br>Item: 12.10.270 |
|----------------------------------|-----------------------------------|
| Particle board (without support) | 107,7 kgs                         |
| Particle board                   | 143,8 kgs                         |
| Solid Wood (Beech)               | 496,9 kgs                         |



# Corrosion Resistance



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SISO screw-in bushings are protected by zinc electroplating. The coating process is certified **ISO 9001** as well as ISO 14000 for **low environmental impact**.

Once inside the furniture, screw-in bushings are not exposed to high levels of humidity.

|                      | LOW | MID | HIGH |
|----------------------|-----|-----|------|
| PRICE                | \$  | \$  |      |
| STRENGTH             | ★   | ★   | ★    |
| CORROSION RESISTANCE | ★   | ★   |      |

# Designed to perfection



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SISO screw-in bushings are designed with a purpose.  
Each detail is engineered to give maximum performance at a great price.

## Model "M" : MULTIPURPOSE FOR CHIPBOARD/MDF/SOLID WOOD

### With Collar

- Item: 12.10.258
- 12.10.259
- 12.10.260
- 12.10.265
- 12.10.270
- 12.10.285
- 12.10.290
- 12.10.292
- 12.10.293



# Designed to perfection



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SISO screw-in bushings are designed with a purpose.  
Each detail is engineered to give maximum performance at a great price.

## FOR HPL AND OTHER DENSE MATERIALS

Special compact thread  
for compact materials

Item: 12.10.250  
12.10.251  
12.10.255  
12.10.256



# SISO vs. Copy versions



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SISO has served one purpose since 1952.

To provide global furniture producers with the best hardware at a great value.

Why?

Because the furniture production process must be hassle-free, and the furniture entering the customers' homes must be **safe**, sturdy and **easy to assemble**.

How?

**Designed** to optimize functionality.

**Process control** on quality.

**SISO**



**FAKE**



# SISO screw-in bushings vs. others



+50% more space to grip the wood (or other panel material), gives a greater ability to counteract pull-out forces.

This is even more important when using lower density materials such as chipboard or particle board.

