

# How to build an Eilersen

our materials  
UK



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You don't buy a sofa every day. When you do, you probably expect it to last you a lifetime. If you ever wondered what exactly goes into a high-quality sofa, Eilersen are the people to ask. We have been in the business of making people sit comfortably for 120 years, and we know more about it than most. This little book will tell you why.

# Slow-growing trees have fewer knots and less tension.

Every Eilersen sofa is built on a framework of solid pinewood for lightness, flexibility and durability. The pine is oven-dried to a moisture content of 8-10%, fully traceable and certified by the Forest Stewardship Council (FSC). As the quality of the wood depends on slow and steady growth, we have a preference for Scandinavian pines from north of the 60th parallel, since the colder climate ensures unhurried growth with fewer knots and less tension. The advantage is reduced waste and a frame that never stretches or turns, no matter what you do to it.

*We have a preference for Scandinavian pines  
that grow north of the 60th parallel.*



# Spiral grooved dowels are stronger than dovetail joints.

We are proud to announce that Danish-designed spiral grooved dowels are the best in the world. The spiral is pressed into the beech wood, reducing its width by 0.1 mm. Along with a precisely measured chamfer, the spiral ensures that the glue covers the largest possible surface. When pressed into the hole, the moisture of the glue expands the dowel by 0.1 mm to provide the firmest possible joint.

*The spiral ensures that the glue will cover the largest possible surface.*





# A little too much glue is better than a little too little.

All our adhesives used on wood are water based and contain a liquid melamine resin, which hardens slowly over 24 hours. For this reason, the frames must be completely level as they harden. Critical joints should show 'curtains' of excess glue as proof that the surfaces are fully covered. All glues are boil-dry-freeze tested and carry Greenguard Gold Certification.

*Critical joints must show 'curtains' as proof that the surfaces are complete covered.*



# A frame reinforced with a seat bracket will never let you down.

The seat bracket is the curved section aligning the longer sides of the framework. We make them out of solid beech wood or steel and mount them to ensure that the frame preserves its flexibility and sturdiness, but never breaks or collapses. Most modern sofa manufacturers consider them a thing of the past, but we do not compromise.

*The seat bracket preserves the frame's flexibility and sturdiness.*

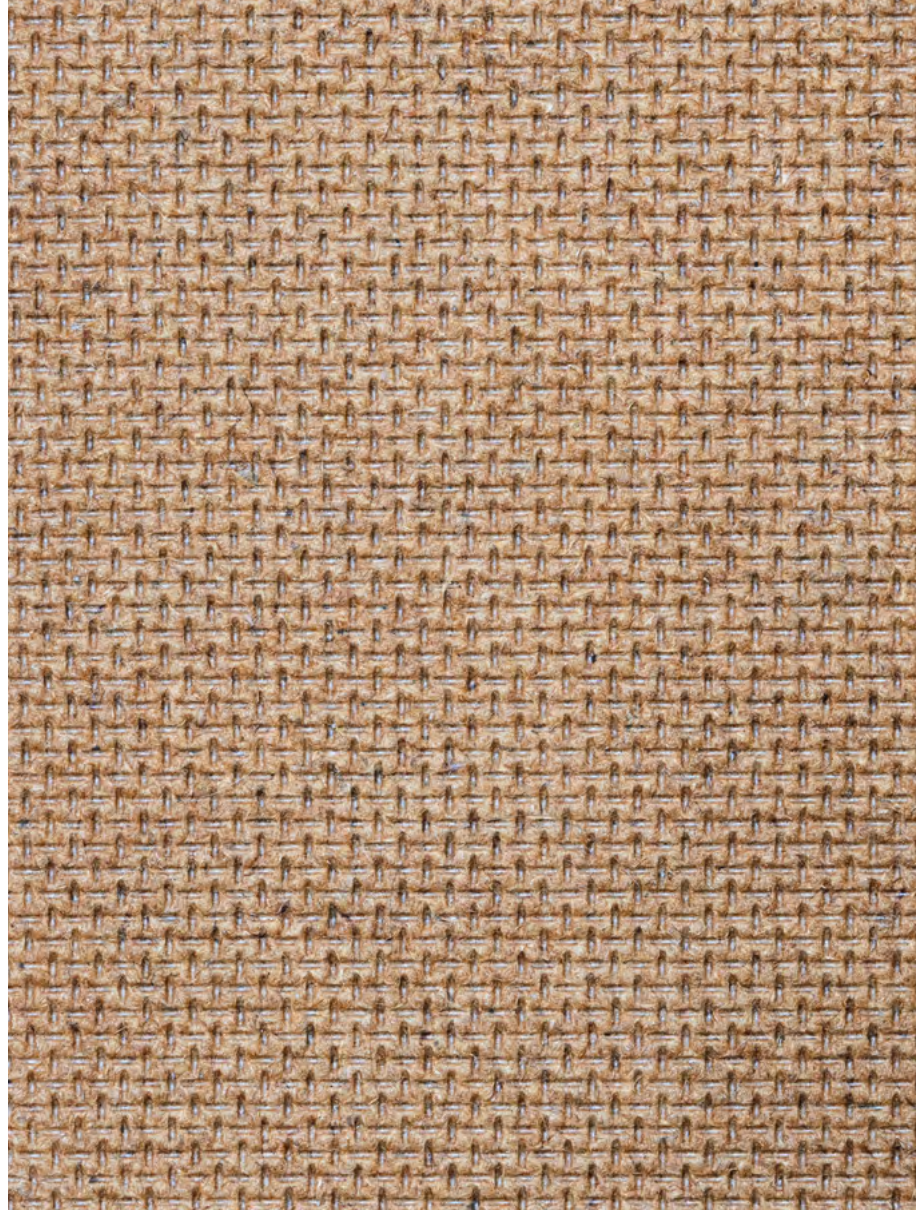




# Without Masonite your sofa would soon look out of shape.

Masonite is waterproof high-density hardboard made from steam-cooked and pressure-moulded wood fibres. Like anything made from wood, it contains formaldehyde, but we adhere to the N-o quality with the lowest possible content. Three-millimetre-thick boards are used to cover and stabilise frames, armrests and inside backs.

*Top-quality Masonite has long fibres with high bending and tensile strength.*



# The soft staple is the one that jams your staple gun.

At Eilersen, we not only have standards for the uniform performance of our staples. We even use staples in three different sizes depending on the purpose – as opposed to one for all or maybe just a screw. For extra measure, some spring-securing staples are glue-coated for instant and permanent fixture.

*Staples are glue-coated for instant and permanent fixture.*





# If it squeaks, replace the hinges – not the springs.

Firstly, never buy a sofa with cardboard-lined hinges or hinges entirely without coating. Our hinges are made from nylon-coated metal, and they are shot at pre-set distances between clamps with consistent accuracy. An Eilersen never squeaks. Period.

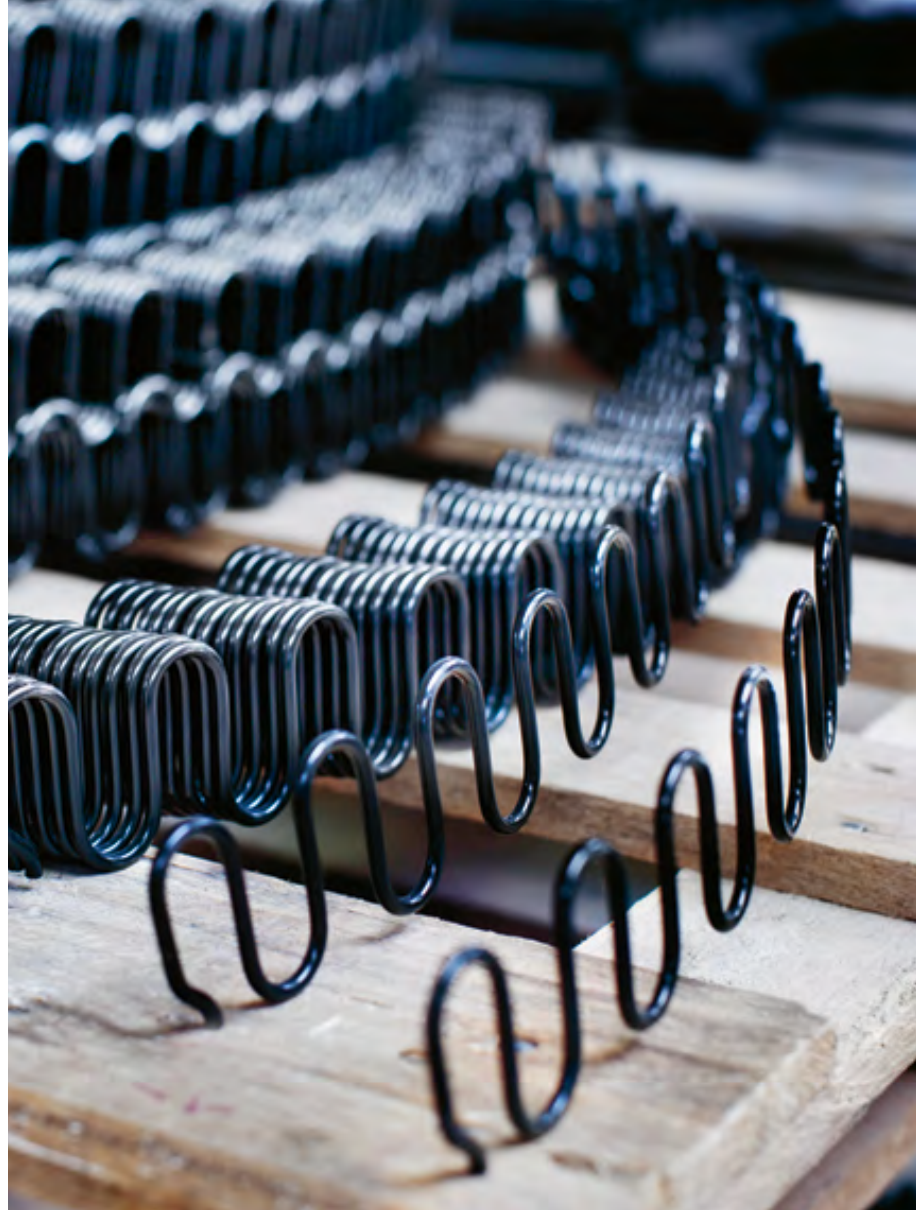
*Long-lasting comfort and silent buoyancy  
are ensured by nylon-lined hinges.*



## Springs are tested to withstand a lifetime of impacts.

High-grade steel and precision engineering produce nozag springs of the highest quality and durability. 20 mm pitch and 40 mm width provide particular elasticity and the highest seating comfort for fixed upholstery as well as loose cushions. All Eilersen springs are coated to prevent rust and ensure lasting comfort. They are also tested to withstand more than 100,000 impacts without distortion. On average, you could sit down eighteen times a day for thirty years, and the look and bounce of the sofa would remain unaffected.

*100,000 impacts without distortion is twice the European standard.*





## Foam padding is all about bulk density.

Polyurethane foam becomes softer with use, so the trick is to balance strength and comfort. The higher the density of your foam, the lower is the hardness loss and the longer the life of your sofa. Eilersen relies on cold foams, tried and tested according to ISO 2439 and ISO 3385 to a loss of hardness of less than 15% and a loss of thickness of less than 3%. Moreover, the foams are practically emission free. To prove it, all our sofas carry the Indoor Climate Label from Danish Technological Institute.

*The higher the density, the longer your sofa will retain its shape.*





# The one place we don't want glue to harden.

At Eilersen, we stick to water-based silicone glue. Not only where foam meets foam or frame, but also inside backs and cushions. Here the trick is to ensure that the water-based glue never hardens completely, which ensures flexibility and prevents foams of different densities from moving.

*To prevent padding from moving, we use glue that stay flexible.*



# There is nothing like clean underwear.

All Eilersen sofas come with an extra fixed calico cover underneath the top cover. The extra cover makes it much easier to remove and refit the top covers, if they need to be dry-cleaned, or if you decide on a complete makeover. If you are out to check the class of your sofa, just unzip and take a peek.

*Calico covers make it much easier  
to change the top covers.*





## Keeping our cushions in shape is a matter of principle.

Casings from down-proof cambric in 100% cotton cover all our cushions. Divided into channels, they prevent the filling from moving out of place. The design provides comfort in a class of its own and makes sure that the sofa keeps its shape for longer.

*Channelled cambric prevents the filling from excess movement.*



## Choice of sewing thread may be our least visible quality.

Perfect upholstery seams put up with heavy loads that make great demands on the performance, strength and elasticity of the sewing thread. Whether a seam or piping is part of the decoration or hidden to the eye, accuracy and durability are crucial. **Thread quality is literally a matter of make or break.** Rest assured that we choose without compromise and only trust German industrial standards.

*Thread quality is literally a matter of make or break.*





# Find a zipper that will never let you down.

If you have ever owned a pair of Levi's, you know that you can trust an YKK-zipper. With us, it is not how many times you use it. What we look for is carrying capacity. With their teeth woven directly into the tape and their automatic locks, these nylon zippers are guaranteed to hold and retain their shape year in and year out.

*Our zippers have their teeth woven directly into the tape for maximum strength.*





# The secret behind our abundant appearance is fibre fill.

It covers the backs, sides, front panels and armrests of our sofas and provides buoyancy and optical density. As you have probably guessed, we prefer heavy pre-compressed qualities made from chemically bonded fibres; the ones that are guaranteed to retain their bulky looks for generations.

*Virgin 'hollow-fill' is more elastic and resistant than massive fibres.*



# Only one kind of duck down will do.

Eilersen only accepts down and small feathers from dead ducks. We make the highest demands on purity, smell and non-allergenic properties, but that is just the start. The down must be uncut, and no feather must be longer than 60 mm. More than that and your comfort might be pinpricked.

*All downs must be uncut, and no feather must be longer  
than 60 mm.*



## In twenty years, you should still judge us by the cover.

Our Italian fabrics and velvets manufacturers hardly ever see the kind of flat, relentless sunlight that we are used to in the Nordic countries. Consequently, no one puts their products to the test like we do, and the tests continue for as long as the fabric is used in our production. We prefer natural materials like cotton, linen and wool, because they are comfortable and durable at the same time. We overlock all seams to prevent stripping, just as we label all fabrics with their own documentation. Should you decide on a change, our cushions have zippers for easy replacement.

*Our cushions all have zippers for easy replacement.*



## For hides without holes, look to the Nordic countries.

Whether the scars are from barbed wire or horseflies is of no importance. The best hides are usually found on animals living in Northern Europe. No two are alike and our best, ingrained aniline hides are chrome-tanned and vegetable-retanned using additional fats to give maximum texture and softness.

*The best hides are usually found on animals living in Northern Europe.*





# Our sofas are housebroken and we can prove it.

Danes spend on average 80% of their time indoors, and comfortable and healthy surroundings are important to us. Consequently, the Danish Indoor Climate Label scrutinises products in their use phase and sets standards for degassing from chemical substances. Needless to say, every Eilersen sofas carries its Indoor Climate Label with pride.

*The Indoor Climate Label sets standards for degassing  
from chemical substances.*





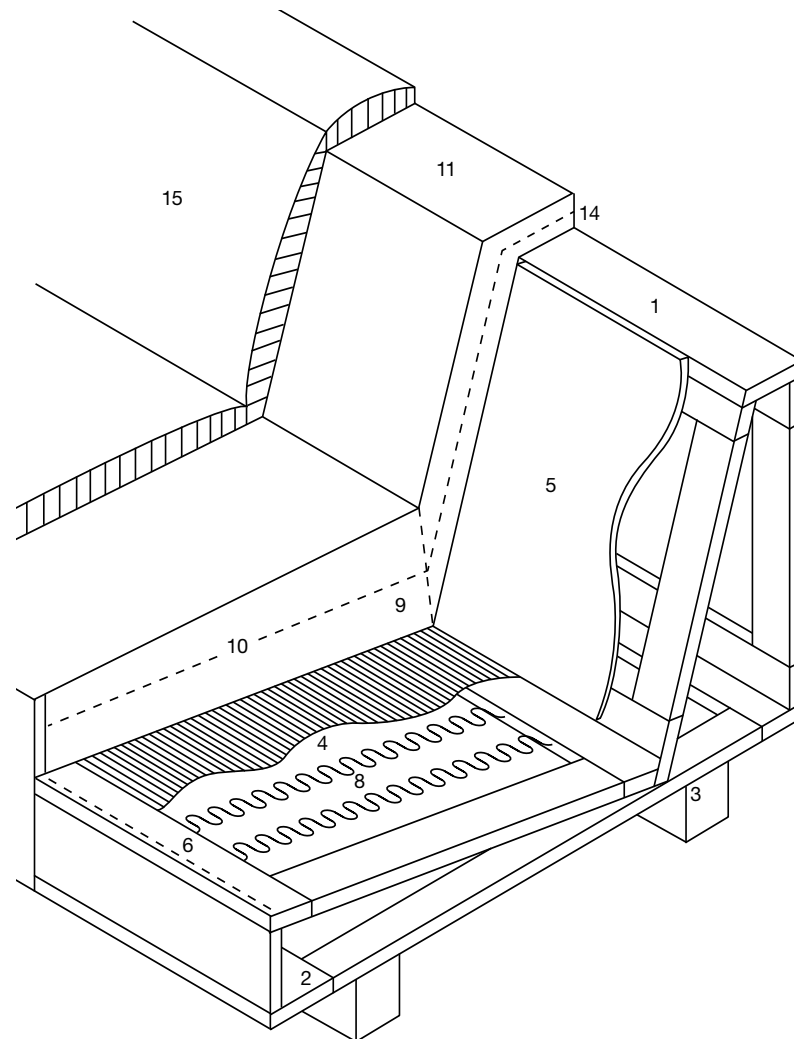
# Change comes easy, if you build by hand.

My Eilersen' is our way of letting the customer have the final word. Because we build every sofa by hand, we are able to change the size or colour of any design. Make it bigger or smaller, choose a softer pillow, change the fabric, or adjust the height. If it is going to be the centrepiece of your home, should you not have it exactly the way you want it?

*Built by hand, an Eilersen design can be customised to perfection.*



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CH.3	<b>Wood glue</b>
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CH.6	<b>Staples</b>
CH.7	Spring fixtures
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CH.16	<b>Duck</b>
CH.17	<b>Upholstery</b>
CH.18	<b>Leather</b>
CH.19	<b>Certification</b>
CH.20	<b>Customisation</b>



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