



**Bearing solutions**



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# Quality and reliability

Established in 1982, Sepa Oy is a family business that has grown into the most significant and modern manufacturer of roof trusses in Finland, as well as one of the largest companies of its field in the whole Europe. The company's production plants, which are located in Keitele and Porvoo, have to date produced more than 2 million roof trusses in total.

In addition to roof trusses, the company's product range comprises bridge moulds, wood-concrete composite floors and light-structured slabs, mansard roofs and PI beams, house frames and fire-safe trusses. Company's products are trusted by builders, house factories and construction firms alike. Sepa Oy's products are also sold through the largest wholesalers in Finland.

## Sepa Oy

- Turnover approx. 20 million
- Number of staff around 150
- Annual production volume approx. 200.000 trusses

## Environmental policy

The objective of Sepa Oy is to reduce negative impacts on the environment.

In order to reach this goal, the company aims:

- To continuously monitor the environmental impacts of its activities
- To optimize the use of materials, raw materials and energy
- To use in procurements suppliers who take environmental aspects in consideration

## References



Business premises, Finland



Detached house, Finland



Acricultural building, Finland



Housing estate, Russia

## ISO 9001 and 14001 quality

As a proof of the company's high quality standards, Sepa Oy is the only roof truss manufacturer in Finland having been granted the following certificates:

- CE-marking
- ISO 9001:2000-certificate
- ISO 14001:1996-certificate
- iBMB/MPA-certificate
- Gost-R-certificate



ISO 9001  
ISO 14001





# Professional skills and cutting-edge technology



## Sepa quality

Sepa Oy's design department produces the final truss designs based on basic data obtained from the structural engineer, using software approved by Inspecta-Sertifiointi Oy and the latest technology of the field.

All timber used in the production is measured, planed, stress graded and stamped mechanically using the plant's own equipment.

## Sepa technology

In the production of truss parts, the latest computer-assisted sawing techniques are applied. Based on the work number, the real-time measurement data of the parts is obtained to the production line directly from the design data system.

On laser controlled manufacturing lines, the truss drawings are sent directly to the production from the designer's desk. The settings for roof truss assembly are made based on modern laser technology.

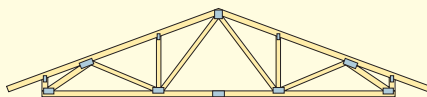
## Sepa reliability

The large capacity of the plants and close-knit co-operation between the sales, production and transport departments ensure reliable delivery times.

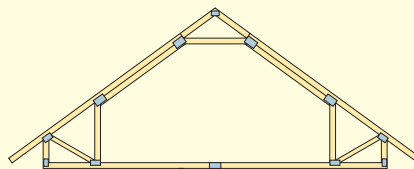
Thanks to this, not a single delivery has ever been delayed over the years.

## Sepa roof trusses

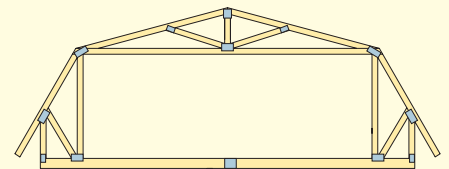
Sepa roof trusses are manufactured based on the truss diagram drawn by the main structural engineer of the site.



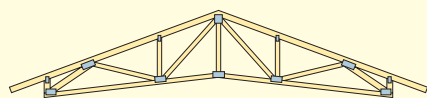
Normal ridge truss



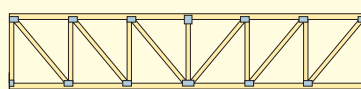
Attic frame truss



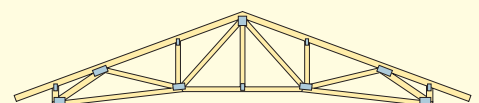
Mansard truss



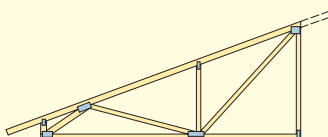
Scissors truss



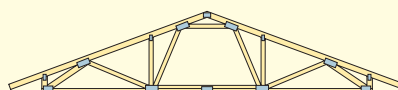
Beam truss



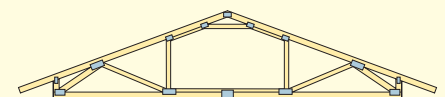
T-scissors truss



Single pitch truss



Attic frame truss with inclined bars



Attic frame truss with straight bars

# Other SEPA products

## The bridge mould system

The SEPA bridge mould system has been developed for an economical, fast and absolutely accurate support structure for the concreting of bridges and underpasses cast on site.



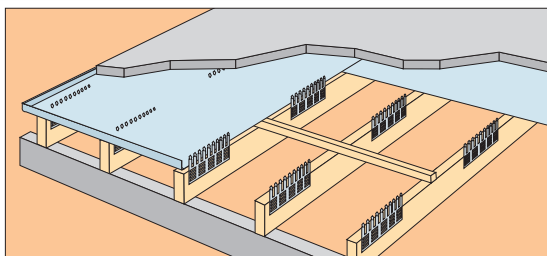
## Fire-safe trusses

The SEPA R30 fire-safe truss is a nail plate truss unit, which unprotected meets the 30-minute fire resistance requirement in relation to the load-bearing ability of the structure, or requirement R30 (VTT statement NRO RTE 585/04).



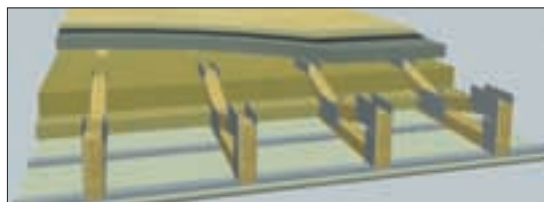
## Light structured slab

The type approved SEPA light structured slab has been developed for a floor and roof structure of one-family houses.



## Wood-concrete composite floor

The type approved SEPA 2000 wood-concrete composite floor was developed for a sound-proof and partitioning floor structure for timber-framed blocks of flats. It is also suitable for the base floor and roof structure of terraced houses and blocks of flats.



## House frames

A SEPA house frame is an economical solution for the load-bearing frame structure of dwelling houses, holiday homes and outbuildings. The accurately dimensioned house frame, which comprises both the floor, walls and roof, is easy and fast to erect.



## PI-beams

Main utilisation targets of the PI beams are the roof constructions of hall buildings. Using these beams, a span exceeding 6.5 m can be achieved in roof structures. In our selection of eight different cross-sections, you will find the right beam for a variety of needs.



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