

Big extrusions



HYDRO

Big extrusions – Big opportunities



Big extrusions – B

Our large presses, with the capacity to produce extrusions a full 520 mm wide, are among the largest and most advanced of their type in Europe. Equipped with the latest technology, these presses open up new opportunities for producing especially large extrusion designs. The high pressing forces, combined with advanced hydraulics, electronics, tool design and computerized control systems, give a high and consistent extrusion quality within fine tolerances. On the following pages, we present the advantages of using our resources for producing large extrusions.



Big opportunities

*Our 7,000-tonne
press (P70) can produce
extrusions with a maximum
width of up to 520 mm.*



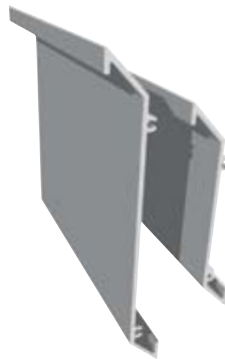


Using big extrusions creates big opportunities when designing the big constructions. For obvious reasons, big extrusions offer a lot of possibilities when it comes to both design, construction and function.



Larger

A press with a high pressing force makes it possible to extrude large extrusions. Our presses enable us to produce really large extrusions, with a maximum width of up to 520 mm and a maximum height of 300 mm.



Thinner

By applying high specific pressure, we can produce large extrusions with reduced material thickness, thinner walls and lower weight.

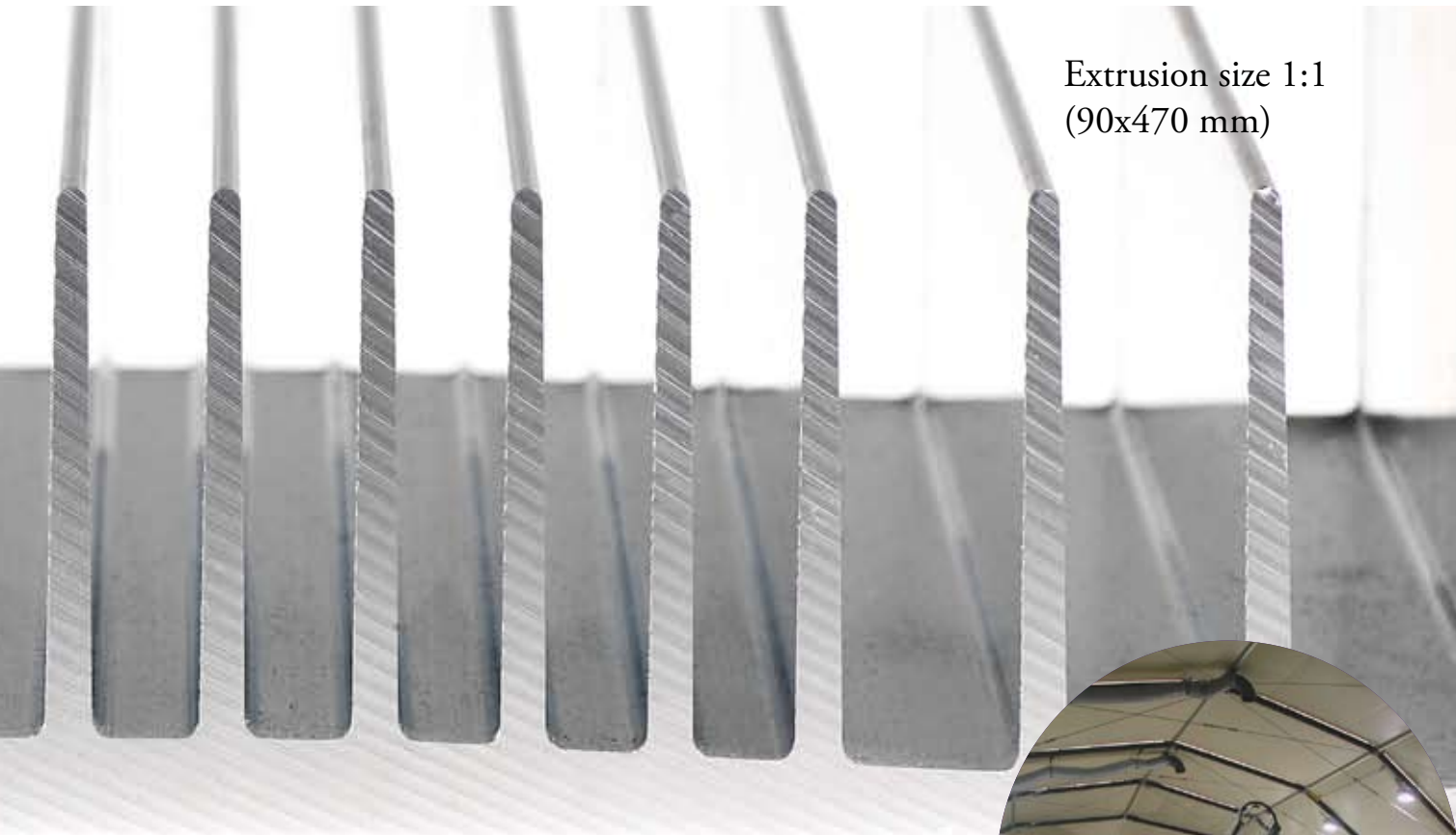


Stronger

By utilizing high pressing forces, we can also use stronger alloys to produce extra large extrusion structures and place the material where it is most needed. This greatly facilitates the design and production of extrusions for highload applications.

Today, large extrusions with high specifications in terms of strength, lightness and ductility are used in products and structures for the transport and construction sectors and other applications.





Extrusion size 1:1
(90x470 mm)



Simpler
Using fewer extrusions in a given structure simplifies the production and assembly processes and helps to rationalize logistics and stock-keeping.

Fewer
Large extrusion assemblies are often produced by joining several extrusions together. By utilizing the high capacity of these presses to produce large extrusions, the number of extrusions needed can be reduced and stronger structures can be created with shorter assembly times.

Cheaper
The possibility of using fewer, larger, lighter and stronger extrusions results in improved overall economy and enhanced development opportunities for large product and extrusion structures.



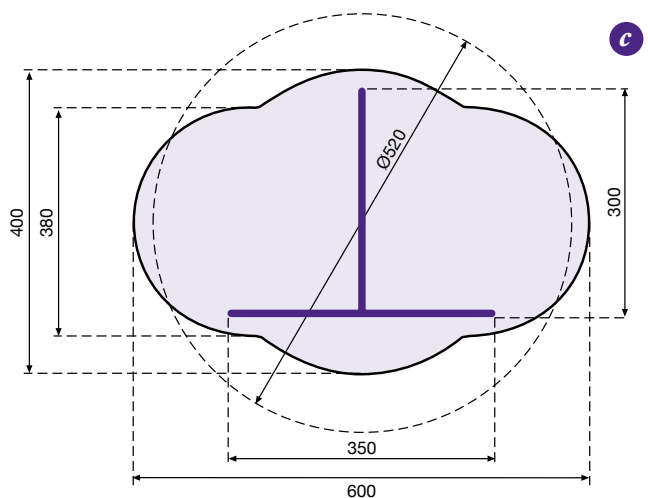
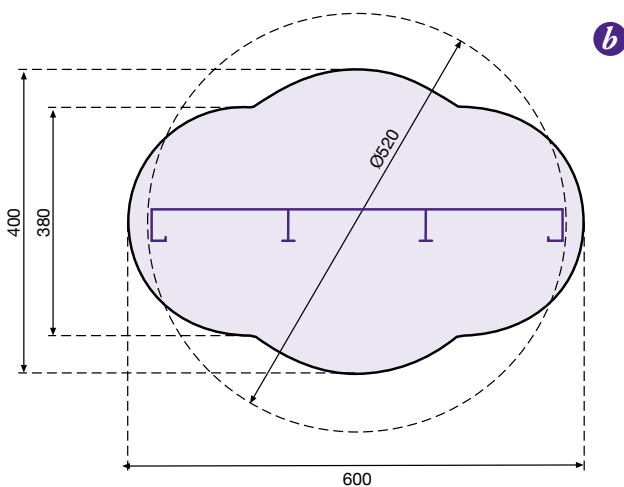
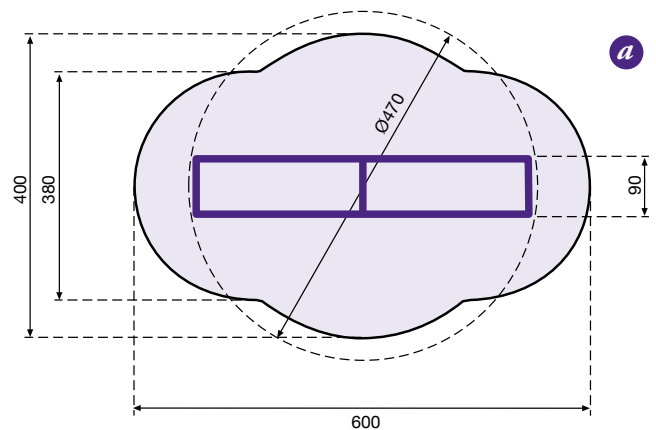
*Please contact us for advice and technical assistance!
Full and more detailed information, incl reference products and videos, you find on our homepage:
www.hap.hydro.com*

Here we present the technical capabilities offered by our S70 press along with recommended extrusion design measurements. The diameter of the circumscribing circle (DCC) is a measure of the extrusion's size and determines material thickness and tolerances.

P70 technical data

Max. extrusion width: 520 mm
 Max. extrusion height: 300 mm
 Max. extrusion length: 14 m
 Max. extrusion weight: 30 kg/m

The maximum size may vary according to the choice of alloy, the thickness of the material, the degree of complexity and the required tolerances. Please contact us to discuss the dimensional limits.



Examples of large extrusions that can be produced on the P70 press: a) Rectangular extrusion, max dimensions 470 x 90 mm, b) Solid extrusions with a maximum circumscribed circle of 520 mm, c) Equally sided T-section extrusions up to 350 x 300 mm.

Welcome to contact us.
We assist you from idea
to finished component.

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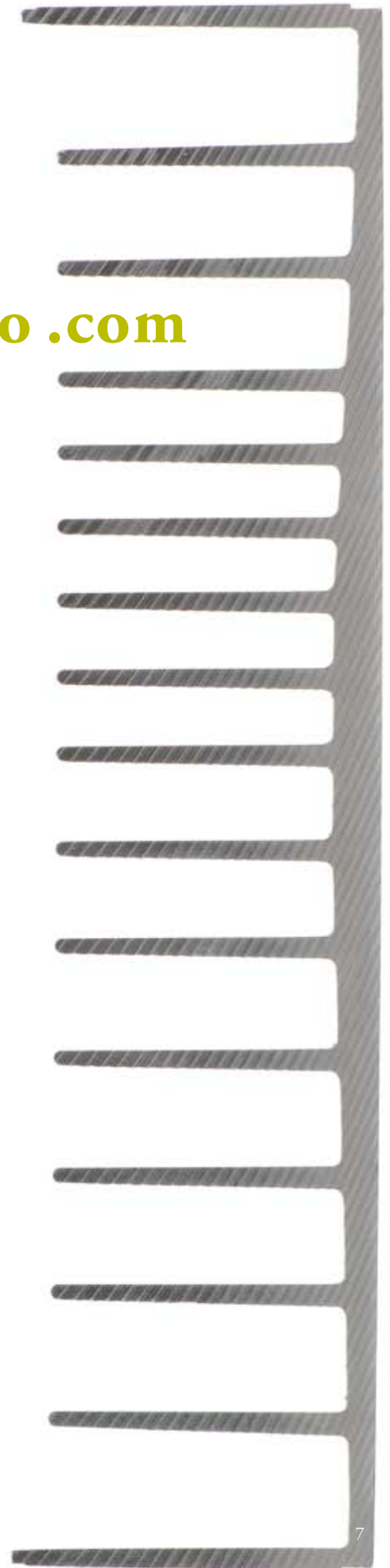
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Hydro is a Fortune Global 500 supplier of aluminium and aluminium products. Based in Norway, the company employs 22,000 people in more than 30 countries and has activities on all continents. Rooted in a century of experience in renewable energy production, technology development and progressive partnerships, Hydro is committed to strengthening the viability of the customers and communities we serve.

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