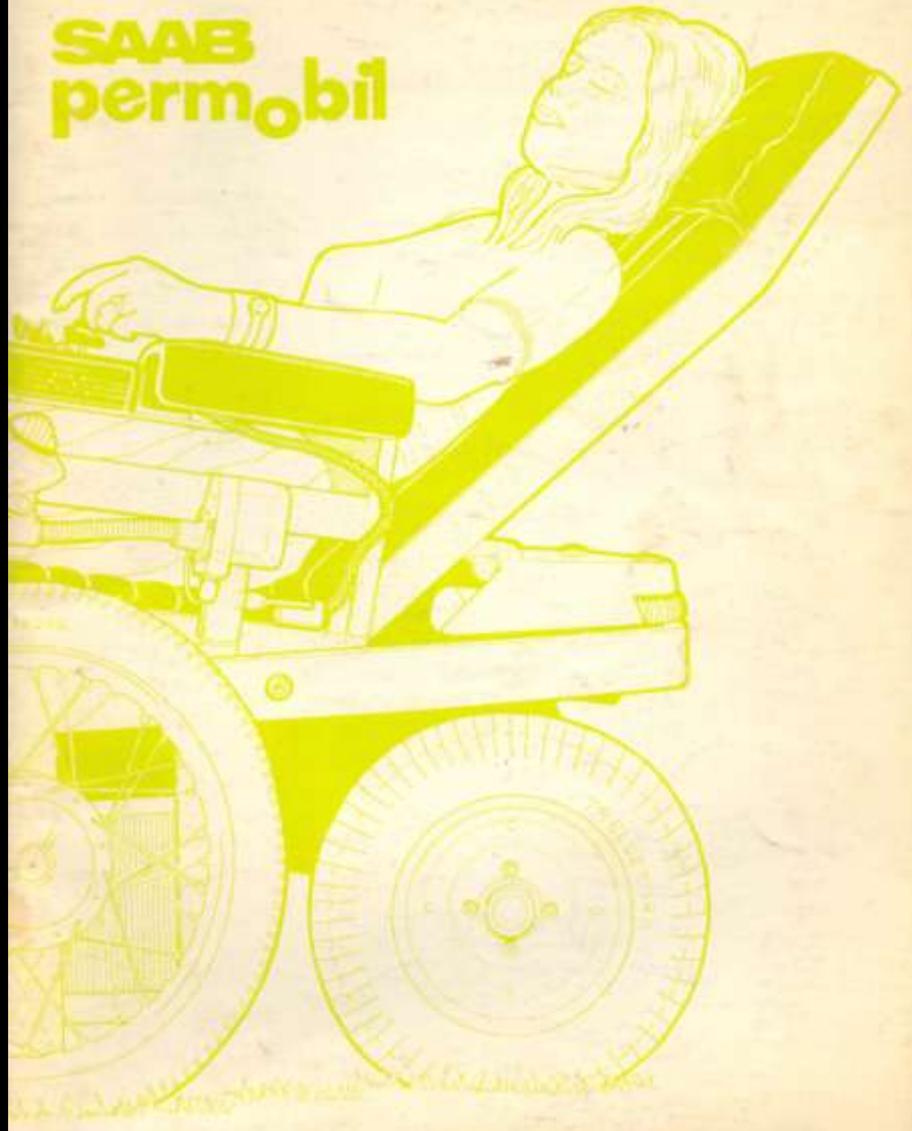


Permobil - 1979

SAAB
permobil



SAAB PERMOBIL AB, BOX 100, SE-402 22 GÖTEBORG, SWEDEN

Safety - Advanced design



Center of gravity important

The lower the center of gravity on a wheelchair with driver, the less risk there is that the wheelchair will tip forward when braked during forward travel, or backward when braked while reversing.

All Perambol greatly reduce the risks in everyday situations such as braking when driving forward up or down a steep inclined ramp.

Perambol are also far safer than any other electric chair in connection with emergency braking.

Low center of gravity

The lower the center of gravity, the greater the safety margin. Perambol has a very low center of gravity even with a driver, thanks to the unusual high weight (350-500 lbs.)

Built for everyday hazards

Reduces risks on sudden stops down hills.
Reduces risks to tip forward due to a high curb.
Reduces risks to tip sideways if one wheel slips off the curb (hangs on the bottom plate).



Special Features

Capably designed suspension solutions permit variation for individual adaptation, including numerous standard variants and a wide range of accessories and controls, including fenders, foot, shin and neck and knee.

Service in the broad sense

Free service training for wheelchair assembly mechanics.
A free service visit following delivery.
24-hour number for free telephone service.

Easy to bring into a van or station wagon

Can be driven up a short ramp into a station wagon. Tows weights of 21 - 201. Coupling for easy detachment of the seat and available upon request.

Built-in charger

The built-in charger is automatic and double insulated for safety. Indicator lamps tell when charging is ready.

Percebil's specially developed automatic control system ensures low power consumption. Percebil may be charged in normal residential areas that do not require special ventilation.

Special Features

The Permobil user



Permobil are used by persons who need them for specific types of locomotion. This means, for example, that many persons who use walk, some even without support or level ground, may nevertheless be prescribed Permobil for cross-country travel. The prerequisite is that the locomotory dysfunction has lasted or is expected to last for more than six months.

Walk without assistance

Permobil Scooter are in use by deafblind and the Permobil Supacur by severely impaired locomotion. Children and ageing patients can also benefit by using Permobil. The supra patient can even sleep in Permobil. Specially fitted models of sports strollers, thanks to the fact that the front, rear and back wheels can be varied electrically.

An unfortunate patient in a Permobil Supacur struggles with extra deep breathing apparatus has improved at least, probably as a result of systematic training through training and lowering of her upper body, than she can use walk unassisted about distance.

Walk with a cane

Many cardiac patients who can walk with a cane, and some even without ground contact with a Permobil Scooter.

Walk with crutches

A large number of Permobil Scooters have been

prescribed for patients who walk with crutches. A strut holder in the seat console assembly on Permobil Scooter and is attached to the rear wheels.

Wheelchair-bound patients

Most of the 222 Permobil Scooter seats and about half of the more than 1,400 Permobil Scooter seats belong to this group.

From 1 to 80 years

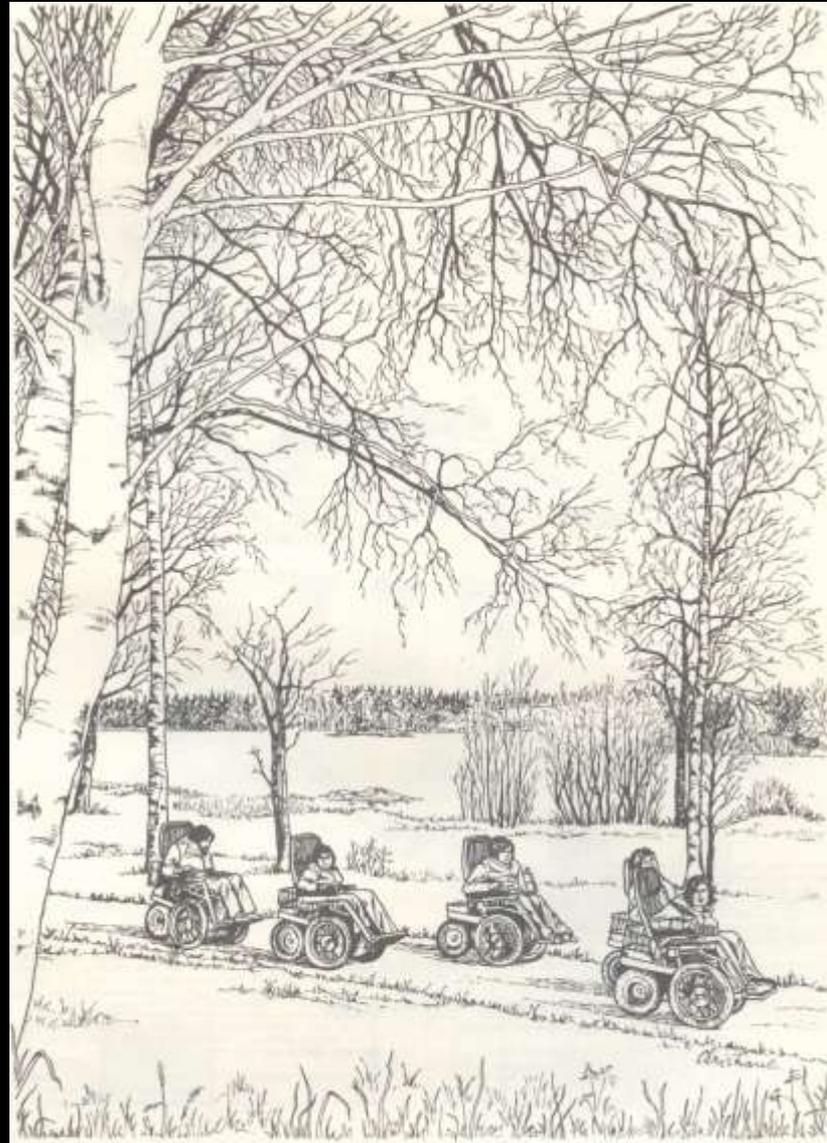
A 3 year old boy with a severe knee disease received a specially-built Supacur. He not only was lifted his seat and turn the Scooter down, but also slide it sideways so that he can go to bed from his bed.

More and more children are being given Scooters with advanced steering systems, such as foot or chin steering.

In the spring of 1976, a 4 year old boy, also with osteomyelitis imperforata got a new electric Permobil Scooter, that allowed him also to pick apples from the trees.

A normal 3 year old can learn to drive a Permobil Scooter.

An 82 year old long driver was recently given a Permobil Scooter 28 with a special instruction. He is one of the half dozen Permobil users here in the post secretary. Instead of just sitting and looking out of the window, he can now live an active life with his Permobil.



Permobil Superior - to live in

Typical indications

The patient cannot move from one chair to another.

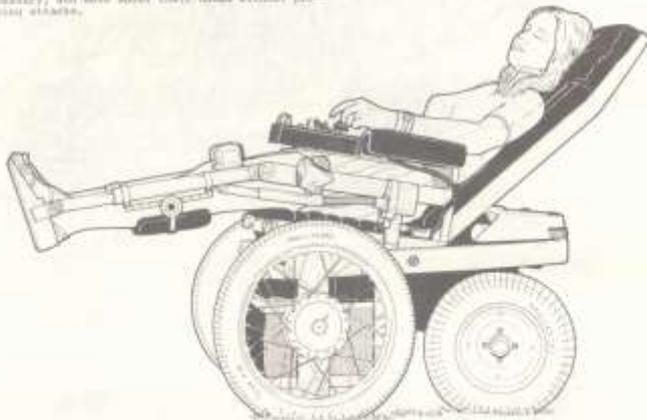
Patients who need high sitting surface, postural adjustment and pressure area prophylaxis.

Special control or extensive anatomic adaptation necessary.

All patients who can enter and leave the chair themselves, thanks to foot-plate adjustment to the floor and adjustment of seat inclination.

All patients who are expected to need a fully autonomous transfer chair soon.

Dependent patients who can sit in the chair when necessary, and move about their home without professional assistance.



Note that the fingertip control is designed for severely handicapped persons and for outdoor driving. Balancing from 0 to full speed and at the same time direction of travel is possible for a healthy hand, but is not appropriate for a severely functionally impaired hand, especially an amputee.

A horn must not be permitted to disturb the balance of the hand so that sudden acceleration errors and directions are avoided. Permobil therefore, has an on-off system with an accelerator circuit. The mechanically speed-limited slow steering system prevents uncontrolled and sudden changes of course.

Foot-plate control also permits a practically feasible system for pressure sore prevention. By means of diagonal raising and lowering of the foot-plate, pressure on the thighs, and to a lesser extent on the heels, is alleviated. This increases the turnover of air in the foot rubber in the most sensitive and facilitates the evaporation of water vapor caused by the skin.

Permobil and Induser's Permobil Superior is the only chair that is designed to be used both outdoors and indoors. One of the main special indications is therefore the patient's inability to transfer himself from one chair to another.

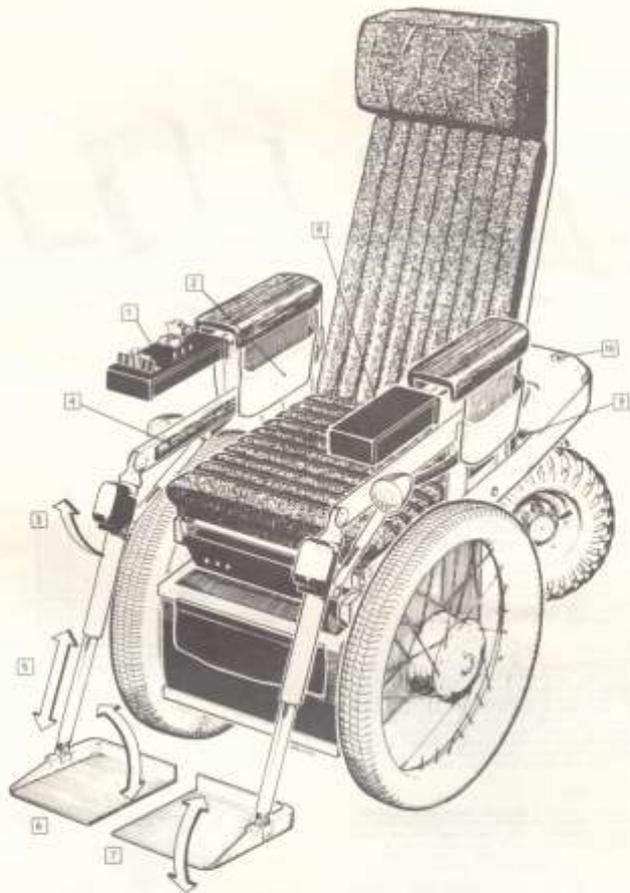
Mobile-handicapped children

Even severely physically impaired persons can get a great deal of pleasure out of driving in areas which do not entail hazards for themselves or their surroundings.

As far as such patients are concerned, it is important that they are activated and that it is possible for their personal freedom and relations to take their own form. Side control is described on page 48.

It is therapeutically valuable to activate a person with brain disease. He should feel that he is able to get about on his own.

The current trend is to regard an electric wheelchair not as something final and definite, but rather as a state in the process of rehabilitation.



Parham Superior has unexcelled sitting comfort, owing in part to the simple, electrically operated tipping of the patient-bearing section around an axis below the patient's center of gravity. The backrest is tilted back at the same time as the front edge of the seat is lifted. This tilt does not have any "jacking effect". Naturally, however inclination can also be adjusted independently of seat inclination.

The reason that the knee joint should be in the right position was solved by the use of adjustable side rails. Control for the patient's comfort and attention to detail, is accomplished by the padding on the link between the armrest and the knee joint, which serves as a thigh support. The control for regulating the footrests are also padded and thereby constitute knee supports.