

# SVAB EXCAVATOR CONTROL GP CONTROLLER

tiltrotator/attachments, wheels, tracks and additional functions



# SOLUTIONS FOCUSED ON BETTER OPERATOR ENVIRONMENTS

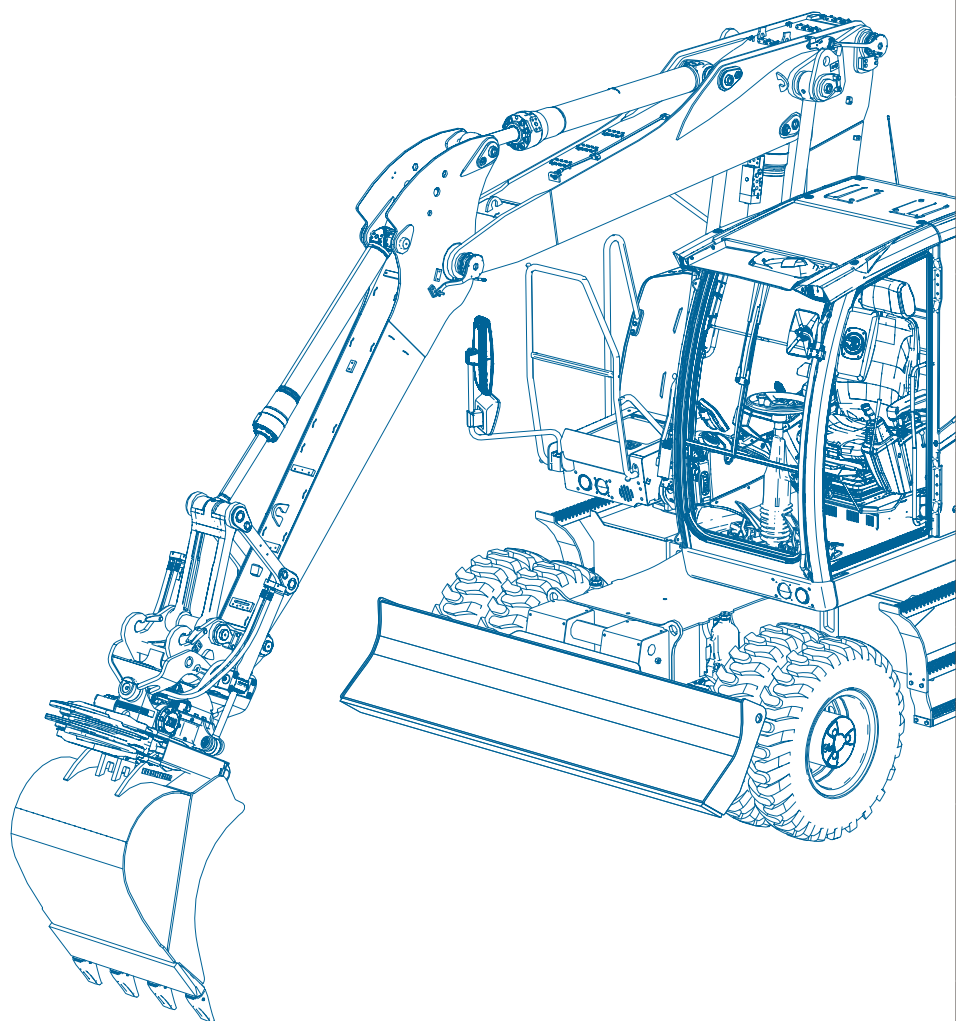
**The application Excavator and Backhoe loader Control GP Controller** is a free-standing, independent control system for excavators, backhoe loaders, tiltrotators, attachments and additional functionality. The system enables a smooth and variable control of the machine's tiltrotator as well as many of the machine's functions.

The basic system consists of a GP Controller, two joystick grips and a valve to control the oil to the attachment. The system is designed for easy aftermarket installation.

Joystick grips with proportional (variable) rollers are necessary for effective control of the tiltrotator. The machine's original joystick grips are replaced with joysticks that have proportional rollers.

Excavator and Backhoe loader Control GPC has been developed in accordance with the Machinery Directive, which means that the system has been risk-assessed and designed to minimize the risk of personal injury. A machine equipped with Excavator and Backhoe loader Control GPC from SVAB can easily be CE marked.

The system is compatible with the majority of machine and tiltrotator makes on the market.

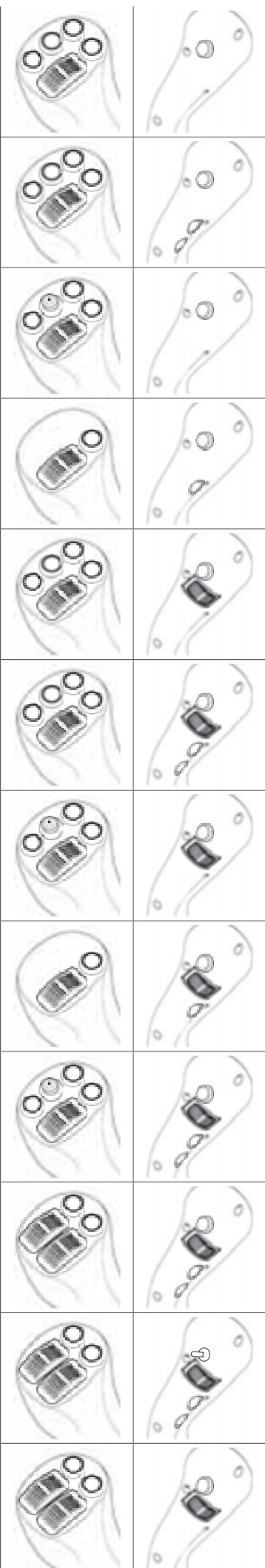


Attachment control



Control of the machine's wheels or tracks with a roller



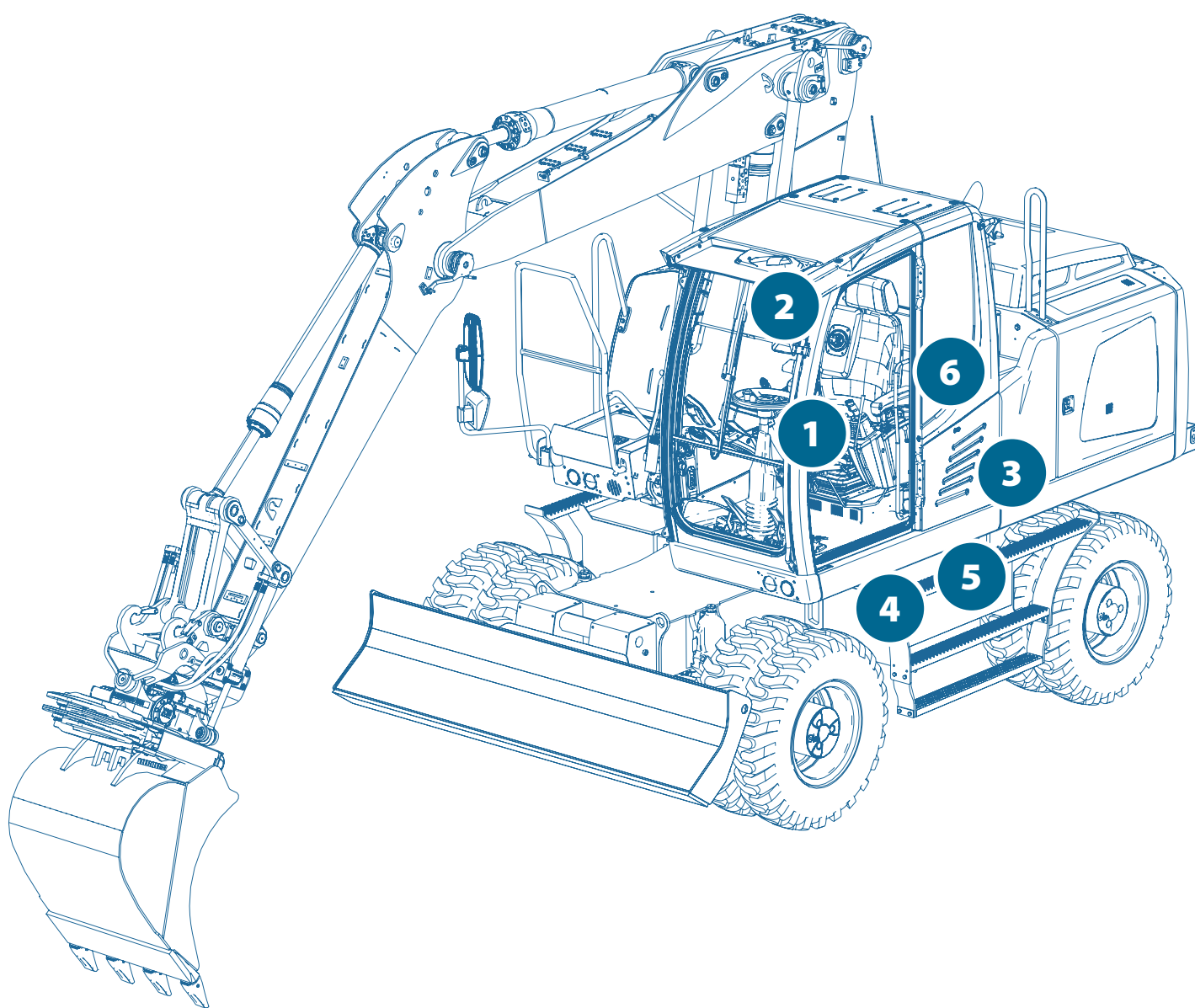


**The world's most popular joystick grip** for excavators with tiltrotator comes from SVAB and gives you not only unmatched comfort and ergonomics. With the L8 you can place your rollers and buttons where you want them. SVAB simply gives you more options to get it like you want it.



**SVAB HAND-REST L8** increases comfort, relieves the hands and reduces risk of repetitive strain injuries. The hand-rest improves control of the steering and allows a flexible adjustment for different hand sizes and personal preferences.

# COMPLETE, SAFE AND BRAND-INDEPENDENT SOLUTIONS



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**SVAB Grip L8** has set a new standard with its innovative, functional design.

You can control two roller functions simultaneously with your thumb and index finger. Up to three rollers can be installed, two for the thumb and one for the index finger. On the grip there is room for up to nine buttons, which means that most functions can be gathered in a small area. The design of the L8 is based on far-reaching ergonomic studies. The ergonomics and the easy-to-grip design have made the L8 the most popular joystick grip among machine operators using a tiltrotator. Try it for yourself and you will understand why.

**GP Controller** (GPC) is the electronics unit that regulates and controls the system. The unit has wide-ranging configuration options and monitors the tool lock, as well as providing a clear warning if the tool is unlocked. This is done to minimize the risk of personal injury. The machine operator can switch between different user profiles via the units keypad and display.

**Pilot Valves**, regulated with the GPC, controls the oil flow to the attachment or machine function. The machine's pedal can be connected in parallel with the valve, which means that the pedal can still be used to control the flow out to a, for example, tiltrotator. The pedal's function thereby remains unchanged. The pilot valves have been developed to fit the majority of machines on the market.

**The optional Wheel Steering** allows you to do those smaller machine movements when you dig. You don't have to let go of the joysticks to steer the machine with the steering wheel, instead you steer the machines wheels with a roller. This gives you greater flow of work and streamlines your digging. Another big advantage with wheel steering is that your shoulders are relieved of static stress. SVAB Wheel Steering thus reduce the risk of repetitive strain injuries. The wheel steering valve is designed to meet Machinery Directive requirements on safety regarding wheel steering.

**The optional Track Steering** allows you to control the machine's tracks with our high precision rollers found in the L8-joystick. You get full control of the machine and digging with the help of the joystick grips. The steering allows you to easily drive the machine straight forward and backward. All this of course contributes to increasing the work efficiency and ergonomics.

**Additional functions with the GPR Controller** means more intelligence for the machine and even more functions to control. In cases where the base system both has tiltrotator control and wheel or track control, but additional functionality is desired, one or more GPR Controllers are needed. GPR Controller can for example allow additional functions and control over the dozer blade, outriggers, telescope stick, triple-articulated boom, boom swing, BM attachment, oscillation lock and front loading.

# OPERATIONAL RELIABILITY AND QUICK SUPPORT

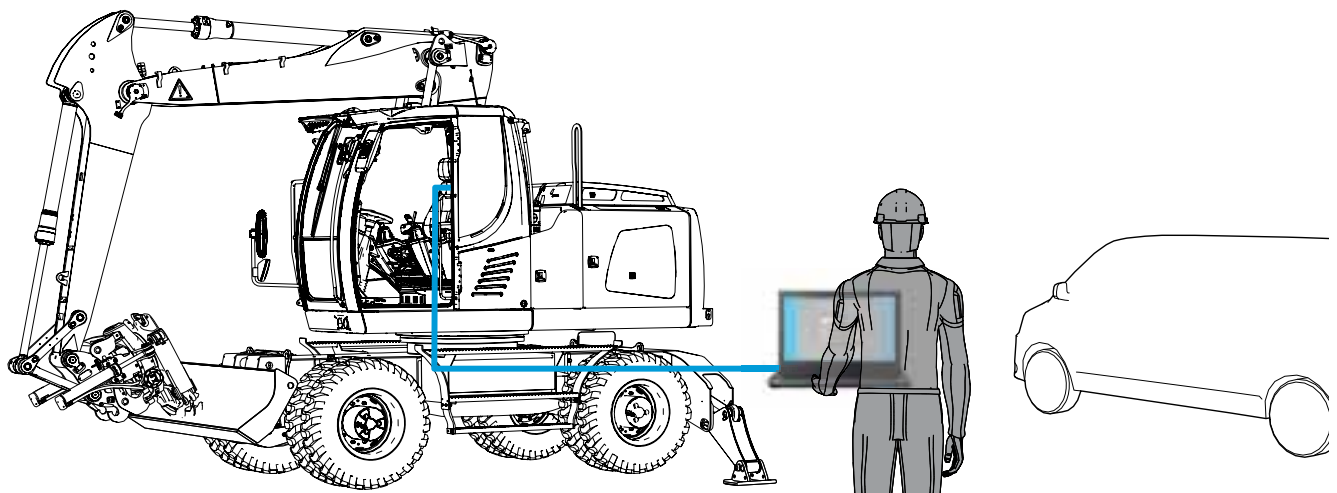
## DRIVING SERVICE

We want SVAB to be synonymous with a high level of service. Construction machinery equipped with our control systems and components shall be a guarantee of efficiency and productivity, without longer interruptions.

**In close relationship** with our dealers, we work constantly so that the machine owner and the machine operator can feel that he has made the right choice when choosing SVAB technology. We have adapted our organization and our offer in line with what we like to call DRIVING SERVICE.

DRIVING SERVICE involves a full-service mindset from when the product has left SVAB. Those who work with machines shall through our retailers be guaranteed installations with high quality, reliability and a high level of service.

After the machine has left the shop, the machine owner and the machine operator shall feel ensured in the availability of skilled service providers, fast deliveries and prompt answers. The operator shall be provided with instructions that eases machine operation and creates safe working environments.







#### GENERAL INFORMATION

**Supply voltage:** 9–36V

**Operating temperature:** -40° to +70°

**Approved areas of use:** Rotor/tilt units for excavators, excavator loaders or backhoes, and as alternative steering for excavators.

**Approved functions for steering according to the Machinery Directive:** Direct proportional function with performance level up to b per ISO 13849-1.

Pilot valve-controlled proportional function (functions that use a proportionally controlled pilot valve) with performance level up to b per ISO 13849-1.

Wheel steering function with performance level d, category 2 per ISO 13849-1 for use at maximum speed of 20 km/h per ISO 5010.

Track steering with utilization of direct proportional function as per the description above.

Tool lock with performance level d per ISO 13849-1.

**Max. rollers:** 6 (Divided between 2 x SVAB Grip L8).

#### SYSTEM FUNCTIONS

Rotor - Proportional steering with thumb roller.

Tilt - Proportional steering with thumb roller.

Grapple - Proportional steering with thumb roller.

Extra - Proportional steering with thumb roller.

UI (User Interface) - Alphanumeric display, 8x2 characters and keypad.

Ergonomic joystick grips - Compatible with all joystick bases on the market.

Skoplås – Lockable switch for tool lock.

#### ADDITIONAL FUNCTIONALITY

CDC-W (Wheel Steering) - Proportional steering with thumb roller.

CDC-C (Track Steering) - Proportional steering with thumb roller.

Modular (expandable system) - CAN-bus (data communication) based, which makes it easy to expand with more units for more functions.



**Read more about our offer and find our retailers at [www.svab.se](http://www.svab.se)**

**Seven out of ten excavators** with tiltrotator have SVAB machine control or technology from SVAB.

We have nationwide partners, retailers and workshops with great experience of our products to ensure that your machine is equipped with the right product.

SVAB offers efficient, ergonomic and safe solutions, the perfect link between man and machine!

RETAILER

## DRIVING TECHNOLOGY

Without constant development, there will be no development at all. This summarizes our attitude within the area that is the lifeblood of our company. Contractor's machinery equipped with our control systems is a guarantee of efficiency, productivity and job satisfaction. For a long time. Without interruption.

**SVAB**  
Precision Control Systems