

Armrest overview



Technical leader in ergonomic solutions



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SITTAB Flex System

Ergonomic trends and growing operator health awareness have sparked the OEM focus on face lifting not only the seat but also the connection it provides to the human-machine interface.

Major developments in HMI (human-machine interaction) components have resulted in a huge amount of available joystick handles, fingertip controls and silicone button sets. Cab interior designers can now optimize the human interface in all aspects regarding the controls – and seat manufacturers have also picked up on the modern trend for an increased focus on comfort, styling and setting features.



The magic link between an excellent seat and a futuristic high-tech arm pad is the Sittab Flex system.

This family of armrest brackets is now widening its scope toward segments outside its traditional heavy-duty area. The system primarily includes the Armflex (horizontal) and Vertiflex (vertical design) arm types, both of which can be presented in a wide range of shapes and versions. According to the vehicle type and joystick size, its construction material can also be altered between aluminum or glass fiber.

As a result of its 25-year history of developing and producing armrests attached to the seat suspension to carry joystick controls, Sittab can today present a ‘Lego box’ of superb functionality. The modular concept provides the all-important and intelligent attachment between a comfort/lifecycle-optimized seat suspension and an efficiency oriented/ergonomically shaped armrest. Building on cornerstones such as robustness, the possibility for infinite adjustment, and an attractive, modern design have ensured the Flex arm systems enjoy unbeatable popularity in machines where long operator hours are common.

By employing a design where the friction joints are supported by gas spring technology, Sittab has been able to generate not only superior functional capability but also a sophisticated feeling when using the product. Sensors to indicate driving position or entry position form part of an integrated design controlled by a double micro-switch system. Robustness is achieved by the use

of cast steel components in combination with machined aluminum profiles.

Armrest pad development is currently on a course toward wider designs to meet the increasing variations in operator size.

Looking ahead

Future cab developments will in most cases be reliant on consideration of the global market and an operator group that displays very pronounced differences.

Accordingly, an additional design feature to the multiple settings is the ability of the Sittab Flex system to be adapted to a variety of seat types, which opens the possibility for an OEM to launch a machine with different seats for different markets, without having to redesign the control set.

The production method used for the Sittab Flex system is optimized to meet factory option program start-up requirements. Small initial volumes, produced with high attention to detail, have helped the product to practically reach levels of perfection in terms of quality. Cable routing on an adjustable flip-up armrest is traditionally a weak point, making it a major design challenge. The Sittab Flex system employs a predetermined routing of the control cable and is protected by ABS covers all the way back to the rear end of the pad of the armrest. Metal inserts are recommended and used in all new arm pad designs to secure a firm link to the joystick box arrangement.

As an alternative to a single-unit control pad with integrated arm support, the Sittab Flex system can also take advantage of a double ball clamping system to attach the joystick box to the armrest pad.



310

Ergo Comfort

ARMFLEX

GF620

ARMFLEX GF

KUSKEN

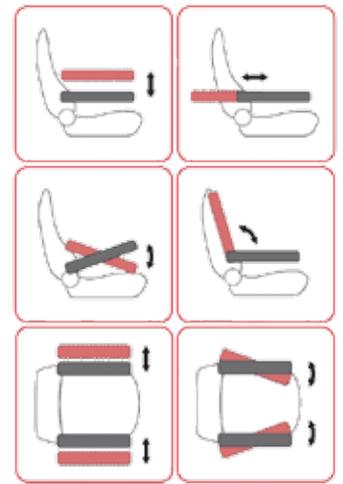
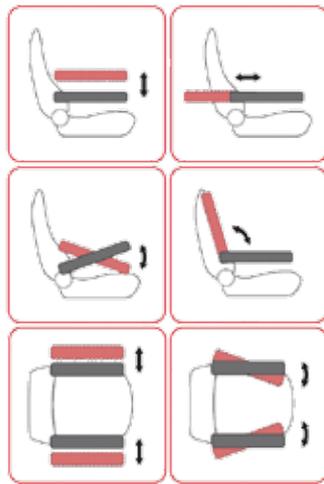
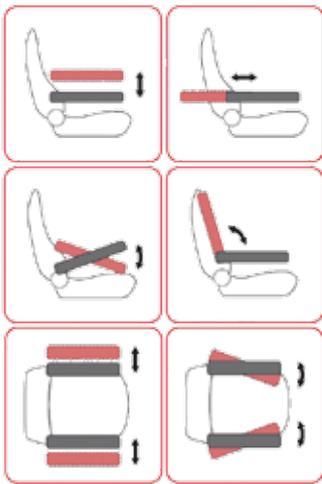


The 310 Ergo Comfort stands for comfort, load alleviation and high flexibility. This kind of armrest is commonly found in trucks, construction vehicles and forklifts.

ARMFLEX GF620 is an elegant designed supporting arm with all desirable functions needed to provide optimized comfort. The armrest has its interface seat adapter as a part of its structure and height adjustment is achieved by setting the arm angle.

ARMREST GF is a lightweight armrest equipped with all the necessary and desirable ergonomic and technical adjustment possibilities. In standard configuration, the ARMFLEX GF armrest is easily installed onto the backrest of most seat models.

The KUSKEN series armrest may be fitted into a wide range of applications, but is particularly suitable for large forklift trucks and construction and forestry equipment. In its standard configuration the armrest can be fitted easily to most seat models with help of our special seat brackets.

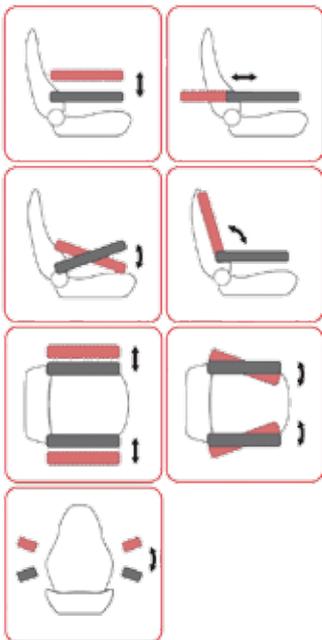


2000

Ergo Flex



The 2000 Ergo Flex stands for optimal flexibility and seamless adjustability. This armrest is a popular choice for forest- and woodland equipment, and has several extra accessories.

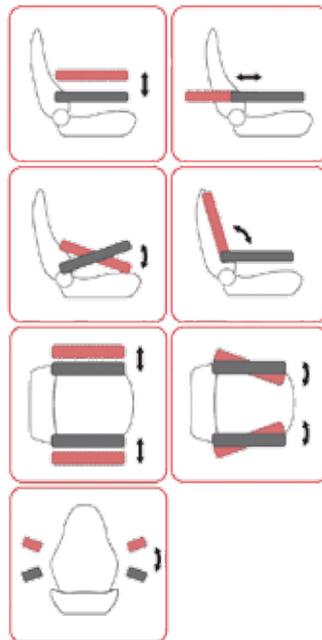


5200

Ergo Rigid



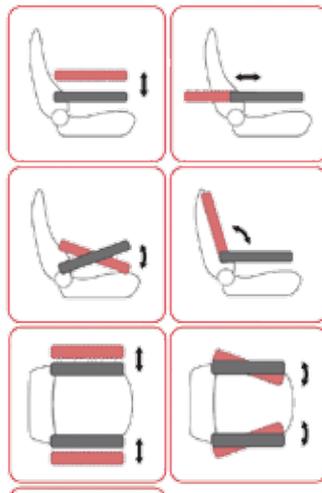
The 5200 Ergo Rigid stands for stability and heavy-duty. Seats with this kind of armrest are often found in the forestry and mining industry, but it is also a popular choice for large cranes and construction vehicles.



ARMFLEX E



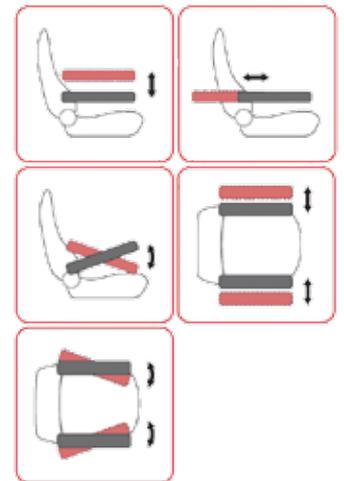
ARMFLEX E is a robust armrest equipped with all the necessary and desirable ergonomic and technical adjustment possibilities. This armrest has many applications, but is particularly suitable for large forklift trucks and construction and forestry equipment.



VERTIFLEX



VERTIFLEX is a vertical armrest with good stability combined with various adjustments. Equipped with the new V or K pads it provides an excellent support. Its central position on the side of the seat gives an even load on the suspension.



Pads

P-pad



Available for ARMFLEX E, GF, GF620 and KUSKEN.

A-pad



Available for 310, 2000 and 5200.

K-pad



Available for ARMFLEX E, GF, GF620 and VERTIFLEX.

C-pad



Available for 310, 2000 and 5200.

U-pad



Available for ARMFLEX E, GF, GF620 and KUSKEN.

E-pad



Available for 310, 2000 and 5200.

V-pad



Available for ARMFLEX E, GF, GF620 and VERTIFLEX.

G-pad



Available for 310.

Control holders and boxes

Box STANDARD



Universal box for smaller joysticks and controls.
Depth 95 mm.

Box XL



Universal box for most joysticks and controls.
Depth 100 mm.

Box SVAB



Compact control box.
Depth 80 mm.

Box TG



Compact control box for full size grip joysticks primarily.
Depth ?? mm.

2LK



Double tilt joint control holder with virtually limitless height and sideways adjustment opportunities.

2LL



Lockable double tilt joint control holder with same adjustment opportunities as 2LK.

2LV



Double tilt joint control holder based on friction plate adjustment.

HP



Robust height adjust and tilt providing control holder suitable for basic long joysticks.

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