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Seat combination ERGOSEAT-S

- The ISO 11226 standard dictates a full trunk support for people looking downward almost continuously, to prevent lower-back and / or neck problems.
- The Ergoseat-S provides a full trunk support designed for males and females worldwide. The principal is based on supporting the upper body by resting both arms on the full adjustable armrests. *Because of this, finger operated joysticks and controls have to be used.*
- *A professional task analysis is highly recommended to create the optimum ergonomic Man Machine Interface.*
- The Ergoseat-S has to be mounted on the bottom of a cabin and as a result is highly suitable for refurbishment.





Specification

- The seat arrangement is fully adjustable, designed for male and female worldwide (P95).
- The seat is provided with a V-cut for optimum visibility, especially for looking downwards.
- The seat is provided with a headrest and a 2-points safety-belt.
- The seat is covered with blue overlay.
- Power supply 24V, 10A, for height adjustment and suspension to supply by others.
- At the rear of the seat, a box for I/O interface or terminals is foreseen.
- For analogue signals, both consoles are provided with an integrated connector with a high flexible cable 25 x 0,75. This cable is wired up to a terminal in the rear box of the cabin. Cabling from this terminal to be provided by others. Control components in the top-plates of the consoles to be wired to the above mentioned connectors by others.



Adjustments

- The seat arrangement is provided with the following adjustments:
 - Complete arrangement:
 - Up- and down (electrically)
 - Weight control / suspension (electrically / pneumatically)
 - Seat (cushion, backrest and headrest):
 - Forward / backward
 - Tilt (manual)
 - Seat-cushion:
 - Forward and backward (manual)
 - Backrest:
 - Height
 - Inclination
 - Lumbar support (manual)
 - Headrest:
 - Height
 - Consoles:
 - Height, forward / backward and turn around (manual, all by one lever)
 - Inclination (manual)
 - Arm-cushion:
 - Turn front part and shift complete cushion



Options

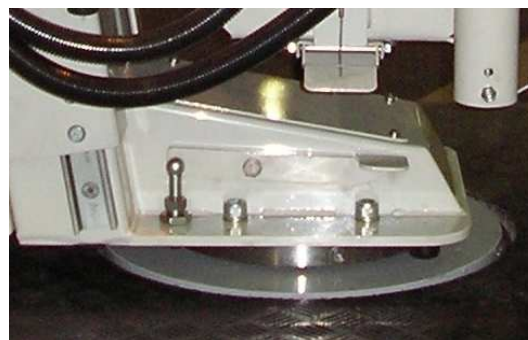
1. Hinged panel:

- There is a possibility to supply an adjustable bracket and housing for a touch-panel or a hard wired panel *(The number of wires is limited because of integration through the seat).*
- This panel is connected to the sliding rail of the consoles. Position of this panel is constantly compared to the joysticks.
- Cabling for these components can be provided optionally.



2. Rotation table:

- *The number of cabling through the rotation table is limited. Depending on the number and type of cabling through the rotation table, application of this option is only allowed when there is enough space / height below the rotation table. In this case, consultation with Merford is necessary.*
- The rotation angle is max 160 degrees, rotation clockwise to the operator's front sitting position.
- The rotation table is provided with an automatic positive locking in front position and manual unlocking system.



3. Pre-drilled top-plates and text-plates:

- The Ergoseat can be supplied with pre-drilled top-plates and high quality text-plates in both black and white colours. *A professional task analysis is highly recommended to design the optimum ergonomic layout of the control components.*





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4. Pre-wired top-plates:

- The Ergoseat can be supplied with pre-wired top-plates. The price for the components is not included. We are open to install and wire components supplied by you, or we would like to offer you the delivery of these components after receiving your specification. *Because of the ergonomic background we would like to advise you about the type of components.*



5. Train the trainer / operator:

- Because of the specific knowledge of ergonomics in combination with container-crane operation, Merford offers the option to “train the trainers” locally at the port.
- Training increases the value of the product even more by making the user of the product conscious of the ergonomic background and the positive results using the product correctly.
- Merford will offer the trainers a presentation about the theoretical background - foundations of sitting/working in container-crane cabins and the principles of ergonomics - and the Ergoseat.
- The next step is to instruct how, and in what order, to adjust the Ergoseat by a presentation.
- The last step is to instruct all the trainers by practising in a real Ergoseat (optional in a demo-seat, which can be shipped to the port).
- We will hand over DVD's with the instructions and also some hard-cover instruction sheets, to fit into the cabin.
- Our experience is the training works best with a group of 3-4 persons. We will need about 2 hours per group of 4 persons.
- Merford would like to offer you this option. The costs depend on the location and the number of persons to be trained.

