



Press release
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ELS Heavy Duty – electric height adjustment for sitting/standing work decks in the industrial sector

Suspa introduces an electromechanical lifting column version specially designed for sitting/standing work decks. An ELS-Heavy-Duty-System can move loads of up to 800 kg and provides continuously variable, ergonomic height adjustment in workbenches or worktables.

Ergonomics is an issue which is becoming increasingly important, not only in offices but also in production facilities. Demand is on the rise for height-adjustable work decks to minimize harmful strain. In response, Suspa is expanding its selection of electric lifting columns with the addition of the ELS Heavy Duty – a version designed for heavier loads such as those encountered with workbenches or assembly tables. The main target groups for this solution are manufacturers of complete assembly tables, work tables or work decks, as well as table frame manufacturers.

Heavy lifters with proven features

ELS Heavy Duty features fast and quiet height adjustment and is available with a stroke length of 500 mm. This telescopic system transports loads of up to 100 kg per lifting column at an adjustment speed of 20 mm/s.

The ELS Heavy Duty is based on the familiar ELS3 lifting columns used in office settings, which enable effortless switching from seated to standing position (with max. 60 kg per lifting column). In addition, the ELS Heavy Duty includes a mechanical brake, which allows higher loads to be lowered and held in a controlled manner. The Heavy-Duty version is operated using the proven SMS SCT4 control system and a manual switch. Each control unit operates up to four channels, corresponding to four legs.



The steel tubes, featuring a silver gray finish, are designed to match the square ELS3 lifting columns in the "BTU" (Big Tube Up) version. In industrial environments full of dust and chips, this is the most practical solution, since less dirt and dust collects between the two guide rails when the big tube is installed in the upper position. The outer tube is 70 x 70 mm; the movable inner tube measures 65 x 65 mm.

The Heavy-Duty lifting columns can be used for tables with 2, 3 or 4 legs. For a 4-leg table, the maximum load capacity would be 400 kg.

On request, multiple table systems with six to eight legs can also be accommodated.

The installation dimensions are 680 mm in retracted position and 1180 mm in extended position. The scope of delivery consists of the lifting columns, the control unit, the manual switch and the cable accessories.

In conjunction with the ELS Heavy Duty, more stable table underframes are required for heavier loads. As an example, Suspa will be presenting a 4-leg frame system at the Motek trade fair, which takes place October 9-12 in Stuttgart, Germany.

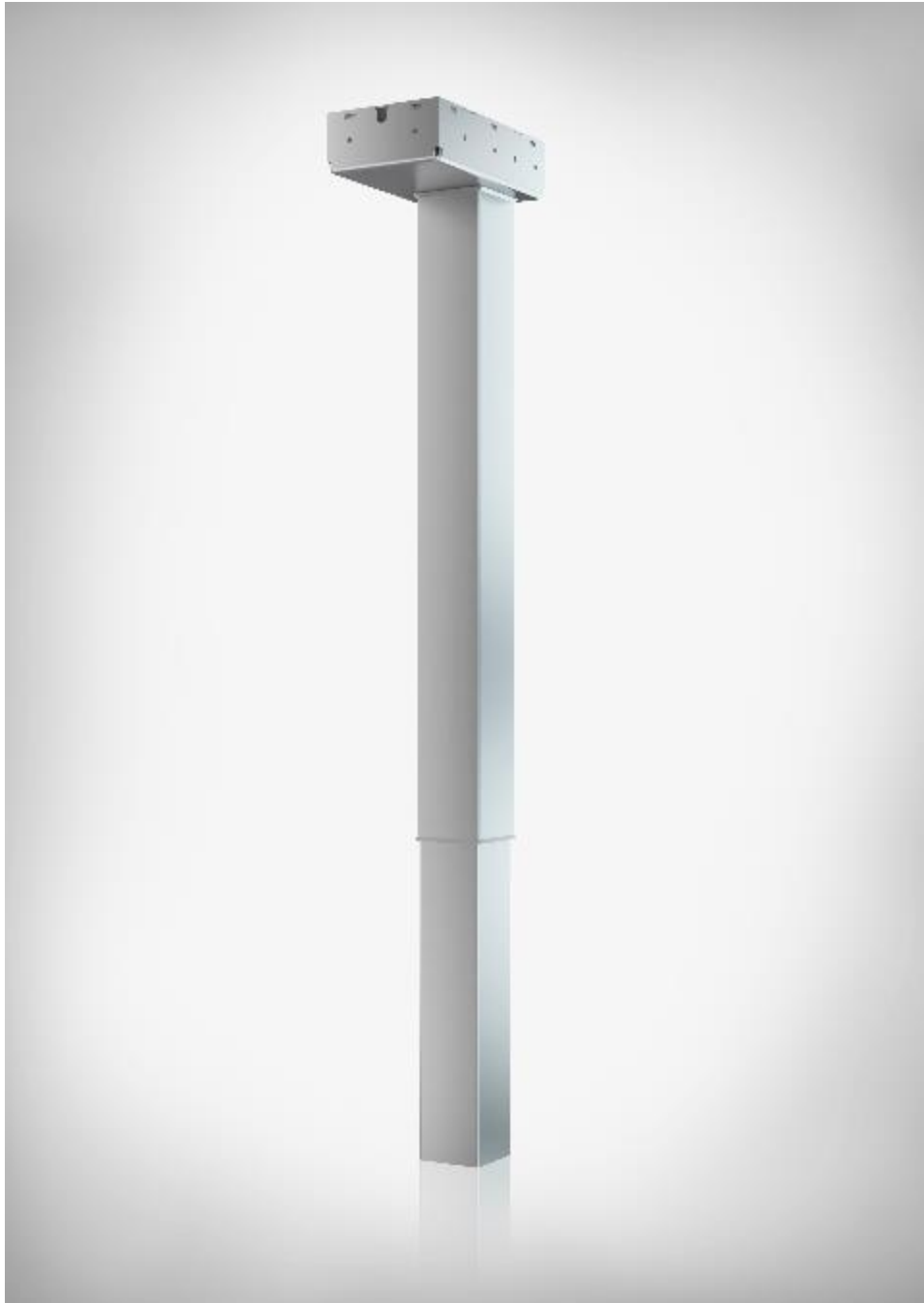
The ELS Heavy Duty is connected to the structural frame using tapped holes for twelve M6 bolts. On the bottom where the footbase is bolted on, holes are provided for four M8 internal screw threads each. Carpenters installing a table can use the pre-drilled connection points in the lifting columns to construct their own table frame, for example.

Outstanding solution for ergonomic industrial work decks

From a production technology standpoint, the ELS Heavy Duty and ELS3 use mainly identical components and rely on the same infrastructure. This gives Suspa significantly more production cost advantages compared to the competition. And these savings get passed down to the consumer. This makes a convincing argument for customers looking for affordable, high quality and ergonomic solutions for height-adjustable work decks in the industrial sector.

3,730 strokes

Imagery:



Caption 1: A clever solution – the ELS Heavy Duty is installed with the big tube in the upper position (Big Tube Up, BTU). In industrial environments, this is the most practical solution, since that way, less dirt and dust collects between the two guide rails.



Caption 2: At the Motek (Oct. 9-12, 2017), Suspa will be presenting a table system (similar to image above) equipped with four ELS Heavy Duty lifting columns, with a maximum load capacity of 400 kg (100 kg per lifting column).

About Suspa GmbH

Suspa GmbH is a specialised manufacturer of gas springs, dampers and adjustment systems, and is a market leader in the field of adjustable hydraulic dampers. The company's portfolio also includes lifting columns, piston rods, crash management systems and safety systems, as well as complex drives and actuators. Its focus lies on customer-specific solutions. Suspa's products are used in the automotive, mechanical engineering, furniture, white goods, medical and durable goods industries. Suspa is considered the global market leader for washing machine applications. Headquartered in Altdorf, Germany, the company also operates local production sites in Germany, the Czech Republic, the US, China and India. Every year, Suspa produces roughly 1,500 different models of approximately 100 million parts. The company currently employs a staff of 1,870 people around the globe.

More information and product details are available at: www.suspa.com



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