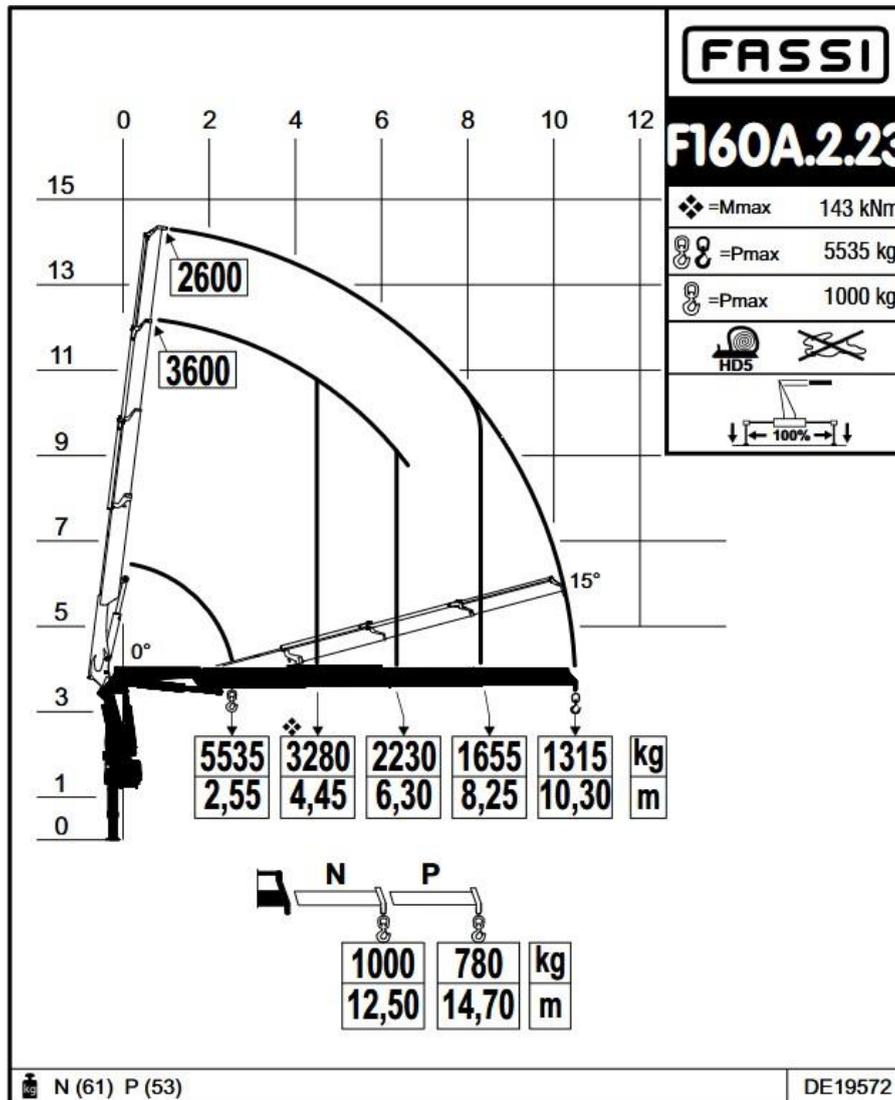


DATSHEET FASSI F160A.2.23





Crane Features:

CE version – FX 500 electronic overload protection system including:

a system that tracks crane operation statistics (black box),

a self-diagnostic system that allows for quick identification of the cause of unit malfunctions in the form of error codes,
 a system that warns the operator of crane overload and blocks its operation in the event of overload,
 a visual indicator of the device's percentage utilization using colored LEDs,
 a liquid crystal display that informs the operator of the load on individual lifting cylinders in %,
 an electronic operating hour meter,



- DANFOSS D850 multifunctional distributor, which increases the speed and smoothness of crane operation, adapted to high oil flows, mounted at the crane base,



FASSI RCS radio control with proportional operation, operating speed depends on the control lever deflection, with a backlit LCD display that provides information on, among other things, the load on the individual lifting cylinders, the position of the crane supports, and the oil temperature (if an oil cooler is present). A 10-meter cable for emergency connection of the radio control is included. A car battery charger, two batteries, a neck strap, a lap strap, a crane operating speed selector, automatic radio frequency switching in the event of interference, with a function for turning the vehicle engine on and off and regulating engine speed (to be connected by an authorized chassis service center), a function selector knob on the display, 3 additional buttons that can be individually programmed according to customer needs, a STOP button.

- **System Flow Sharing (FS)** ensuring the right amount of oil where it is needed, works better than in advanced multi-function distributors, directing the amount of oil set by the operator to specific crane functions,



The PROLINK system, consisting of toggle levers, allows the crane's inner arm to be bent at an angle of 15° relative to the outer arm, allowing goods to be unloaded under shelters, canopies, window openings, or doors,



Rotation is achieved on a toothed rack, the lower part of the column and its base are made of cast steel, enabling the transfer of greater stresses than welded structures, which also translates into a very high column torque, Rotation is achieved on a toothed rack, the lower part of the column and its base are made of cast steel,



enabling the transfer of greater stresses than welded structures, which also translates into a very high column torque,

- **System MPES** consisting of equally powerful, independent actuators connected in series and an oil check valve that increases the extension speed of the telescopic arms,

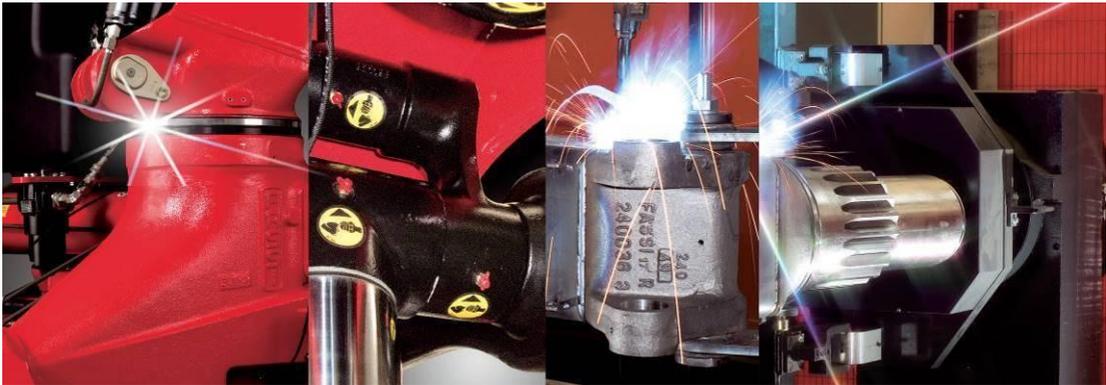
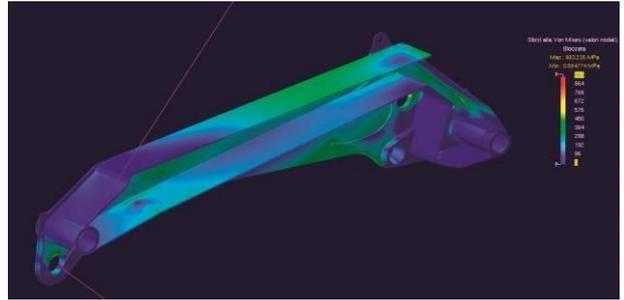


Made entirely of certified Swedish STRENX steel supplied by SSAB, it is characterized by very high flexibility, increasing the structural strength of the structural elements, Made entirely of certified Swedish STRENX steel supplied by SSAB, it is characterized by very high flexibility, increasing the structural strength of the structural elements,



The FWD concept is based on limiting the number of welds in the crane's structure by appropriately bending the elements, which translates into its strength,

Numerous cast elements in the structure – greater precision of workmanship, transfer of greater stresses



than welded ones,

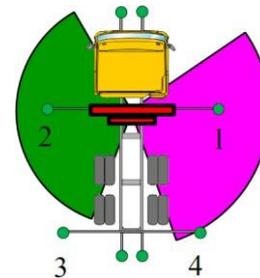
Emergency ground control located on one side of the crane,

- Ergonomically placed grease nipples for lubricating joints and bearings,
- Spirit levels on the support beam pockets,
- Oil tank made of corrosion- and mechanically resistant plastic with adequate capacity, mounted on the crane,
- High-pressure filter,
- Mounting kit,
- Spare parts catalog,
- Slewing angle 416 degrees, 5.4-ton hook,
- Color RAL 3020.

Detailed specifications of the offered crane:

- Hydraulically extendable crane support beams,
- Tilting support plates,
- Hydraulically rotated support cylinders by 180 degrees to the transport position

- The FSC/P stability control system proportionally adjusts the crane's lifting capacity to the width of the support beams. It recognizes the left and right sides of the vehicle, as well as the area above the cab. Each area can be adjusted to within a single degree thanks to a digital rotation sensor.



- LED lighting mounted on the outer boom and the inner boom as a single high-intensity LED lamp.
- Activation via the radio control panel
- Orange warning lights located on the crane support cylinders
- Hydraulic pump to power the crane



FASSI cranes are designed, manufactured, and tested in accordance with the applicable EN 12999 quality standard and are CE marked, which corresponds to the requirements of the European Union directive. Strength calculations meet the recommendations of the HC1/S2 group of workload standards.