

FA 518 ED



The Salzgitter roof bolting carriage FA 518 ED distinguishes itself from the FA 55 ED with a far larger working area, as well as an attainable working height of approx. 10 meters. Thanks to a double telescopic extendable boom and a movable boom carriage skid, which is placed within the axis of the machine, this working area can be reached.

The bolting turret is mounted rotatable and inclinable at the top of the boom. A slewable double carriage; with lateral (chain driven) movable drill- and bolting drives, mounted on the central axes of the machine is used to set the drill holes and place the bolts in the roof. Flanged on the carriage is a linear magazine with a capacity of 20 expansion bolts. Drilling and Bolting operations can be done manually or fully automated. The machine is controlled with a remote control which allows the operator to handle the machine from within the safety zone. In case of missing electric connectivity, the machine can be operated with the diesel engine. When the bolting turret is positioned, the installed PLC – System ensures a fully automated work process for drilling and bolting. Drill cuttings and dust are led alongside the carriage, to minimize contamination.

Roof Bolting Carriage
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Technical Data

Length	10.700 mm
Width	2.780 mm
Height	1.700 mm
Height Dr. Cab	2.200 mm
Gr. Clearance	300 mm
Weight	16.000 kg
Power Diesel	63 kW/ 86 kW
Fuel Diesel	97 l
Speed	18 km/h
Working Height	9.000 mm
Ø Drill Hole	36 – 42 mm
Drill Depth	18 meters or on demand

Magazine Capacity	10 Bolts
Operating Mode	Diesel or Electric driven
Remote Control	Standard
Electric Power	37 kW/1500min ⁻¹
Max. Pressure	260/320 bar
Drill Drive	n = 0 - 1250 min ⁻¹
Torque	250 Nm
Bolter Drive	n = 0 - 350 min ⁻¹
Torque	390 Nm
PLC	IFM
Cable Reel	160m, Ø 38mm
Bolt Compartment	approx. 150 Bolts

