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## **UNIVERSAL EXTRUDER ZI 3045 FRAME HYDRAULIC AZA0891**

The AZA0891 Universal Hydraulic Extruder is a precision-engineered laboratory apparatus designed for the controlled and disturbance-free extrusion of undisturbed soil samples from sampling tubes.

Accurate determination of in-situ soil properties—such as shear strength, compressibility, and permeability—depends on preserving the natural soil structure during sample preparation.

Equipped with a smooth hydraulic extrusion system and mounted on a ZI 3045 heavy-duty steel frame, the AZA0891 ensures uniform and continuous pressure application, eliminating jerks and uneven forces associated with mechanical extrusion methods. This significantly reduces the risk of sample cracking, distortion, or structural alteration, ensuring high-quality and reliable test results.



### **Key Features & Benefits**

- Hydraulic controlled extrusion for smooth and uniform pressure application
- Preserves soil structure, ensuring accurate laboratory testing
- Universal compatibility with multiple sampler sizes and types
- Heavy-duty ZI 3045 frame for stability and long-term durability
- Suitable for soft to very stiff soils
- Minimizes operator effort and improves efficiency



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**TECHNICAL SPECIFICATION**

<b>Parameter</b>	<b>Specification</b>
Model	AZA0891
Type	Universal Hydraulic Soil Sample Extruder
Frame	ZI 3045 Heavy-Duty Steel Frame
Operation	Hydraulic (Manual / Optional Electric Pump)
Application	Undisturbed soil sample extrusion
Compatible Samplers	Shelby tubes, Split Spoon, Core Barrels
Extrusion Force	High hydraulic force for stiff & dense soils
Mounting	Floor-standing / Bench-mounted
Construction	Precision-machined, corrosion-resistant steel
Finish	Lab-grade protective coating