



 **ALFA**  
www.alfalab.eu

TESTING EQUIPMENT

 **ALFA**

OIL LEVEL  
  
Oil No. 21

### COMPRESSION TESTER (B-001 / B-004) ASTM C39 • EN 12390-4

- Used to test the compression strength of concrete cubes/cylinders of different sizes.
- ALFA is the first company in the world to manufacture Computer-Controlled Compression Testers.
- The rigid design provides stability and strength for a better using experience.
- The load frame, either monoblock or 4-column fabricated construction, carries the ball-seated upper platen which adjusts itself to apply homogeneous loading on the specimen.
- The lower platen is located on the loading piston which protected against debris by a cover.
- The ball seating and the lower platen assemblies are supplied in a way to match the capacity of the machine and the specimens to be tested, ensuring accurate alignment and stable repeatable testing.
- All different models have been designed with reference to the International Standards (ASTM C39 and EN 12390-4), ensured that the machines can easily meet the standards and, where applicable, can be supplied with relevant certification for calibration accuracy and other parameters.
- Supplied complete with spacer discs (Additional spacer discs can be ordered separately).



### NEW TOUCH-SCREEN SERIES

- Following the latest technologies, our R&D team have recently introduced new touch screen controllers.



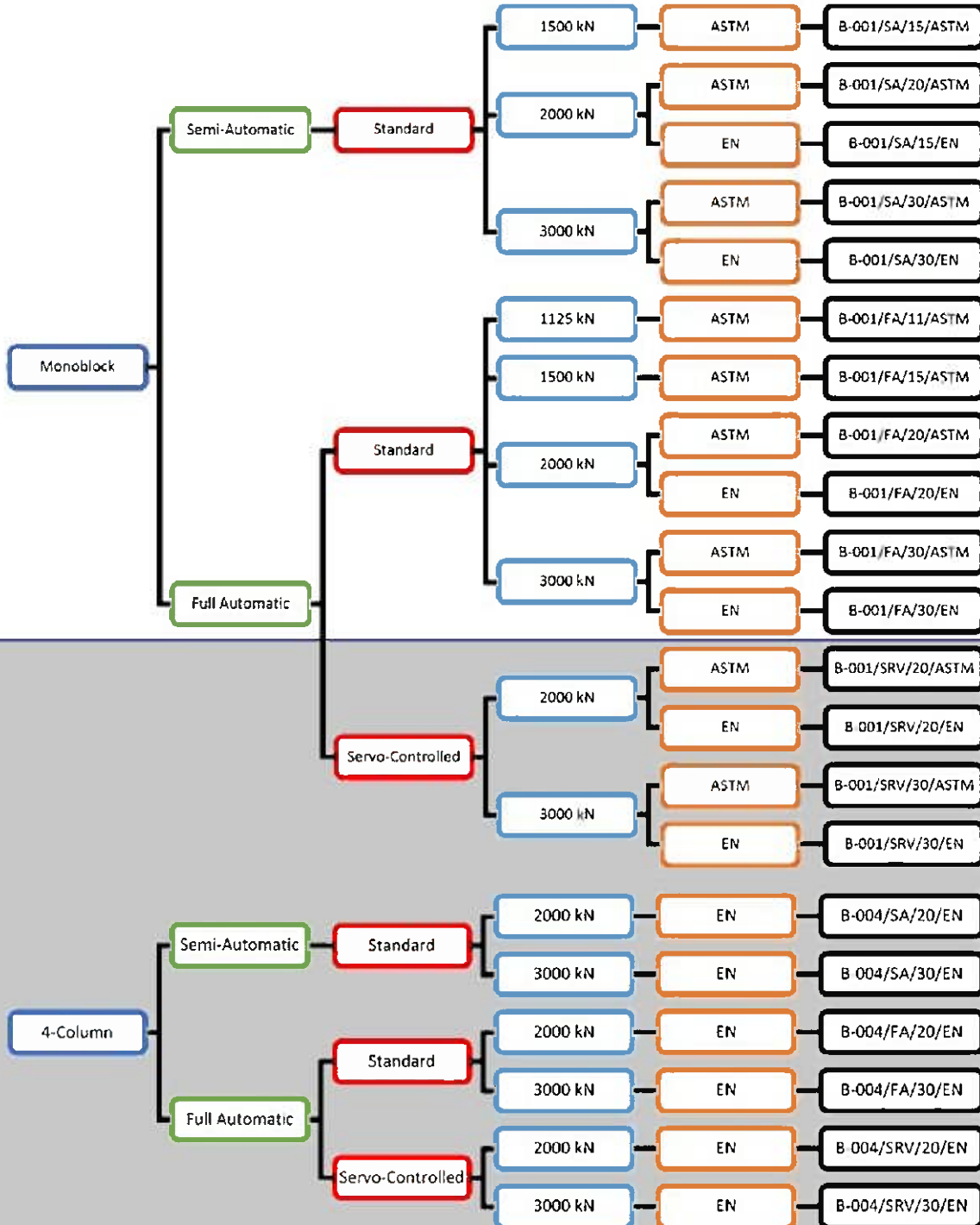
### COMPONENTS



CONCRETE

■ COMPRESSION TESTER (B-001 / B-004)  
ASTM C39 • EN 12390-4

● ORDERING INFORMATION



**COMPRESSOR TESTER (B-001 / B-004)**  
**ASTM C39 • EN 12390-4**

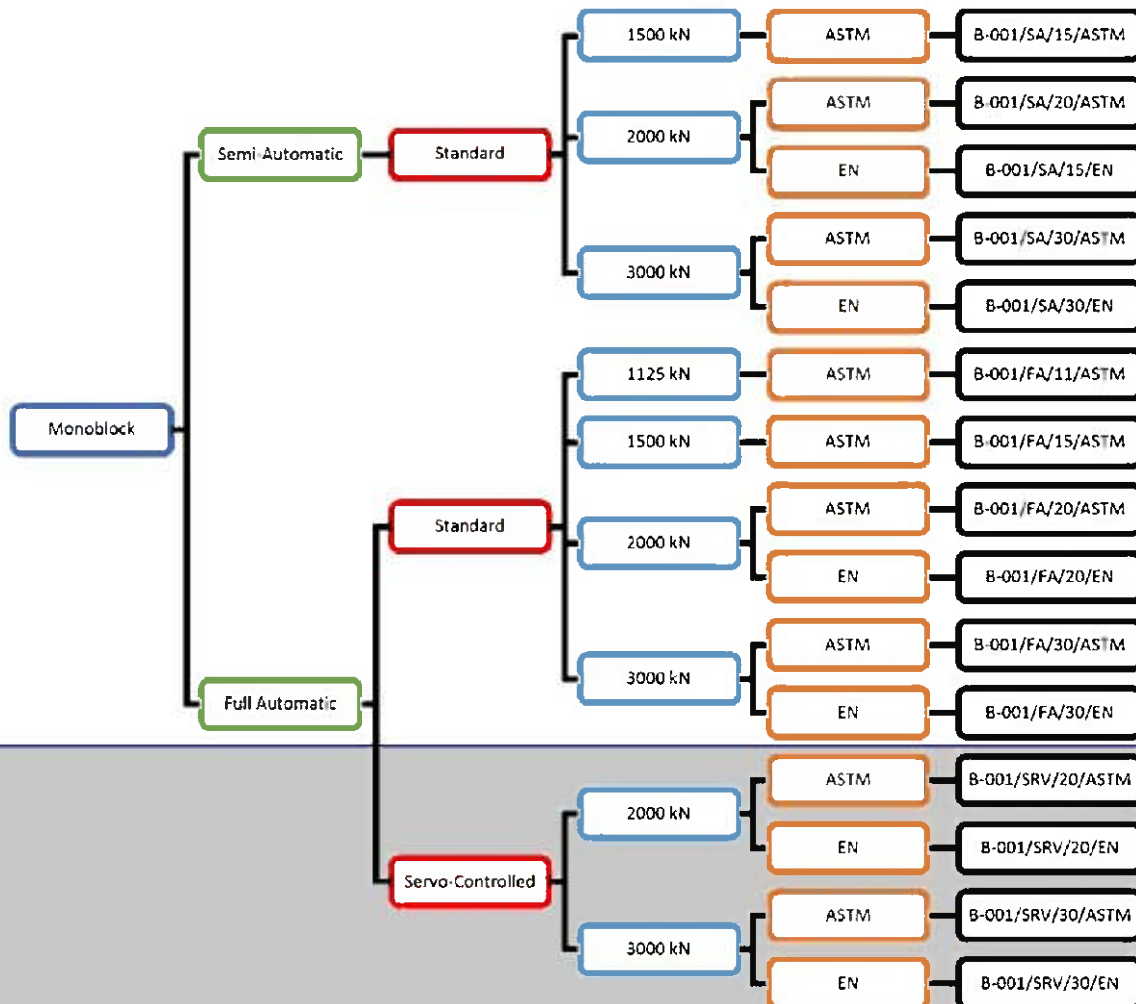
Code	Capacity	Standard	Control	Frame	Readout Unit
<b>B-001/11/FA/ASTM</b>	<b>1125 kN</b>	ASTM C39	Full Automatic	Monoblock	LCD Graphical Indicator
B-001/15/FA/ASTM	1500 kN	ASTM C39	Full Automatic	Monoblock	LCD Graphical Indicator
<b>B-001/15/SA/ASTM</b>	<b>1500 kN</b>	ASTM C39	Semi Automatic	Monoblock	Digital Load Indicator
B-001/20/FA/ASTM	2000 kN	ASTM C39	Full Automatic	Monoblock	LCD Graphical Indicator
B-001/20/SA/ASTM	2000 kN	ASTM C39	Semi Automatic	Monoblock	Digital Load Indicator
B-001/20/SRV/ASTM	2000 kN	ASTM C39	Servo-Controlled, Full Automatic	Monoblock	LCD Graphical Indicator
<b>B-001/30/FA/ASTM</b>	<b>3000 kN</b>	ASTM C39	Full Automatic	Monoblock	LCD Graphical Indicator
B-001/30/SA/ASTM	3000 kN	ASTM C39	Semi Automatic	Monoblock	Digital Load Indicator
<b>B-001/30/SRV/ASTM</b>	<b>3000 kN</b>	ASTM C39	Servo-Controlled, Full Automatic	Monoblock	LCD Graphical Indicator
B-001/20/FA/EN	2000 kN	EN 12390-4	Full Automatic	Monoblock	LCD Graphical Indicator
B-001/20/SA/EN	2000 kN	EN 12390-4	Semi Automatic	Monoblock	Digital Load Indicator
B-001/20/SRV/EN	2000 kN	EN 12390-4	Servo-Controlled, Full Automatic	Monoblock	LCD Graphical Indicator
<b>B-001/30/FA/EN</b>	<b>3000 kN</b>	EN 12390-4	Full Automatic	Monoblock	LCD Graphical Indicator
B-001/30/SA/EN	3000 kN	EN 12390-4	Semi Automatic	Monoblock	Digital Load Indicator
<b>B-001/30/SRV/EN</b>	<b>3000 kN</b>	EN 12390-4	Servo Controlled, Full Automatic	Monoblock	LCD Graphical Indicator
B-004/20/SA/EN	2000 kN	EN 12390-4	Semi Automatic	4-Column	Digital Load Indicator
B-004/20/SRV/EN	2000 kN	EN 12390-4	Servo-Controlled, Full Automatic	4-Column	LCD Graphical Indicator
B-004/20/FA/EN	2000 kN	EN 12390-4	Full Automatic	4-Column	LCD Graphical Indicator
<b>B-004/30/SA/EN</b>	<b>3000 kN</b>	EN 12390-4	Semi Automatic	4-Column	Digital Load Indicator
B-004/30/SRV/EN	3000 kN	EN 12390-4	Servo Controlled, Full Automatic	4-Column	LCD Graphical Indicator
<b>B-004/30/FA/EN</b>	<b>3000 kN</b>	EN 12390-4	Full Automatic	4-Column	LCD Graphical Indicator

CONCRETE



### COMPRESSION TESTER - Monoblock (B-001) ASTM C39 • EN 12390-4

#### ORDERING INFORMATION

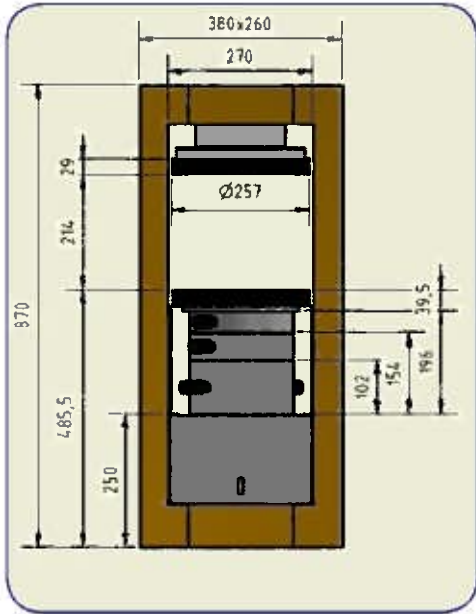


#### FEATURES

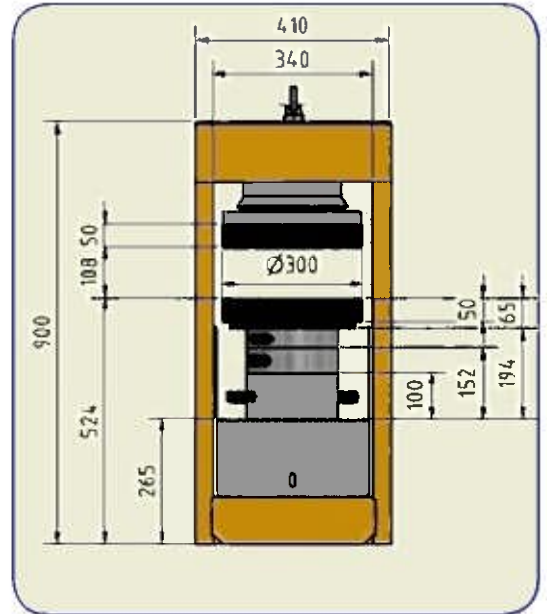
- Rigid monoblock structure
- Interlocked at the welding sections for higher stability and stiffness
- The rigid frame features welded box construction resulting in a monoblock unit that meets standards' rigidity requirements.
- All the monoblock frames are supplied standard with front safety guard door.
- By combining the stiffness of the frame with the accuracy of the control unit, one machine can perform tests on a variety of specimen types.

### CONCRETE

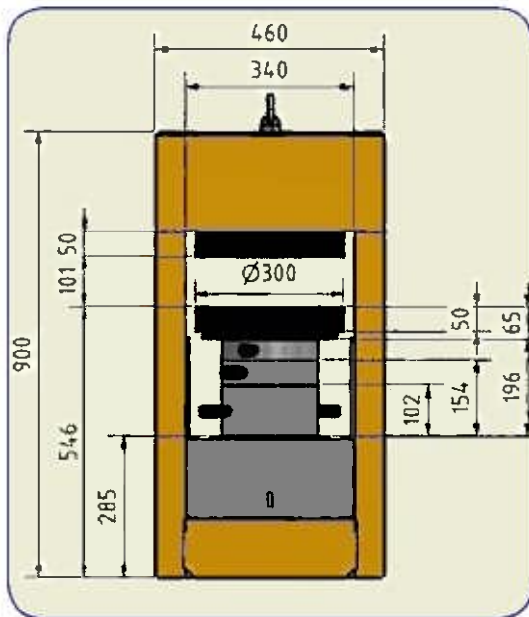
#### COMPRESSION TESTER - Semi-Automatic / Monoblock (B-001/ SA) ASTM C39 • EN 12390-4



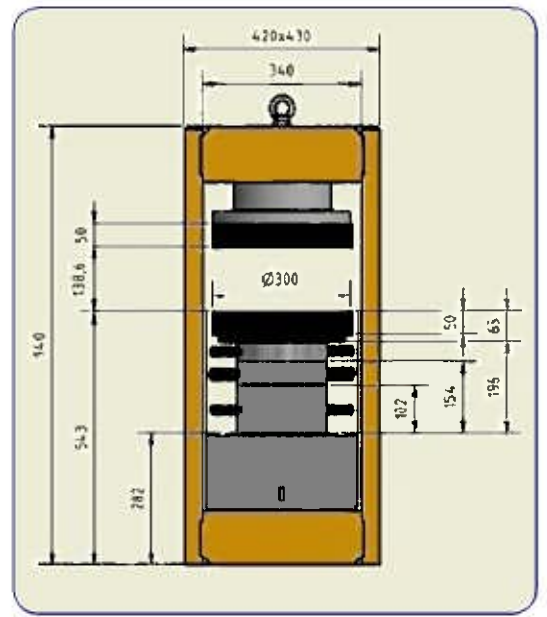
1500 kN Monoblock Frame Dimensions



2000 kN ASTM Monoblock Frame Dimensions



2000 kN EN Monoblock Frame Dimensions



3000 kN Monoblock Frame Dimensions

■ **COMPRESSION TESTER - Semi-Automatic / Monoblock (B-001/ SA)**  
**ASTM C39 • EN 12390-4**

● **TECHNICAL SPECIFICATIONS**

- 
- Limit switch installed to prevent piston over-travelling
- Equipped with safety front guard
- Supplied with distance pieces to test:
  - Cubes (15 x 15 cm)
  - Cylinders (Ø4" X 8") (Ø10 x 20 cm)
  - Cylinders (Ø6" X 12") (Ø15 x 30 cm)
- 220 - 240 V / 50 - 60 Hz



● **AVAILABLE OPTIONS for ASTM**

Code	Capacity	Standard
<b>B-001/SA/15/ASTM</b>	<b>1500 kN</b>	<b>ASTM C39</b>
B-001/SA/20/ASTM	2000 kN	ASTM C39
<b>B-001/SA/30/ASTM</b>	<b>3000 kN</b>	<b>ASTM C39</b>

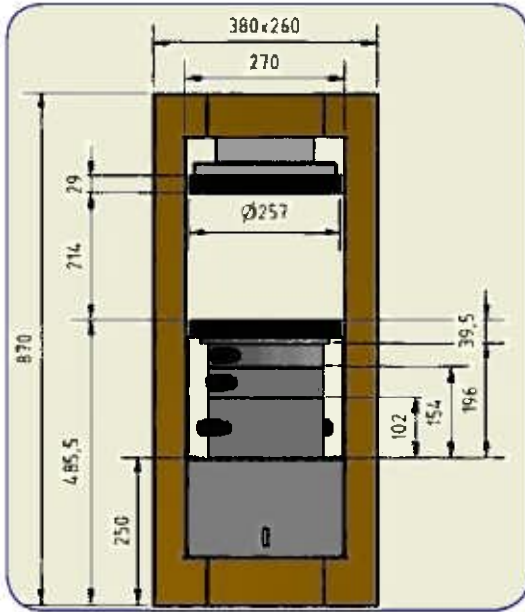
● **AVAILABLE OPTIONS for EN**

Code	Capacity	Standard
<b>B-001/SA/20/EN</b>	<b>2000 kN</b>	<b>EN 12390-4</b>
B-001/SA/30/EN	3000 kN	EN 12390-4

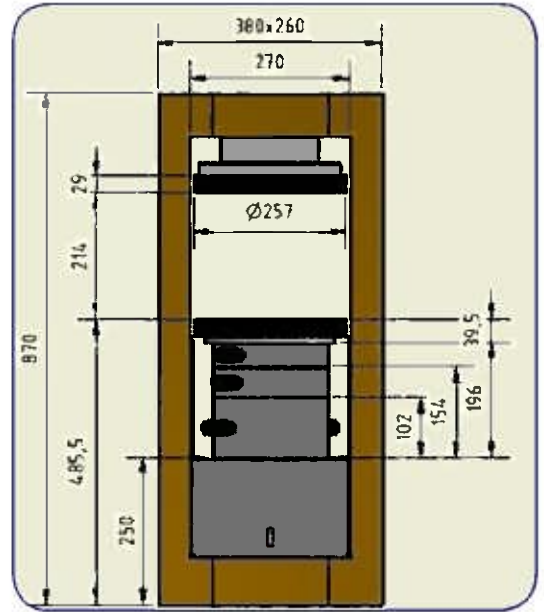


CONCRETE

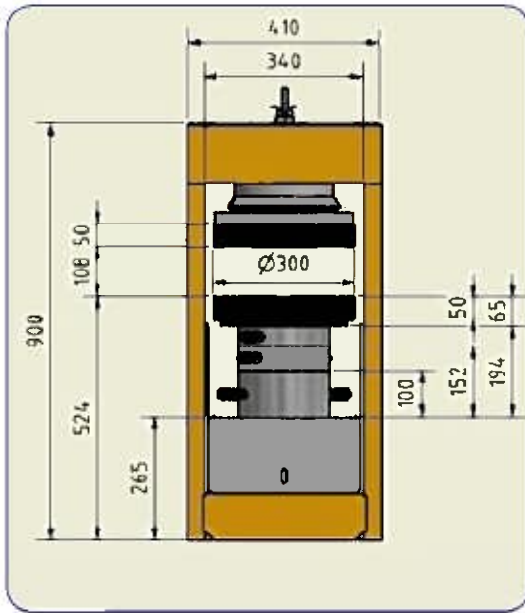
COMPRESSION TESTER - Full Automatic / Monoblock (B-001/ FA)  
 ASTM C39 • EN 12390-4



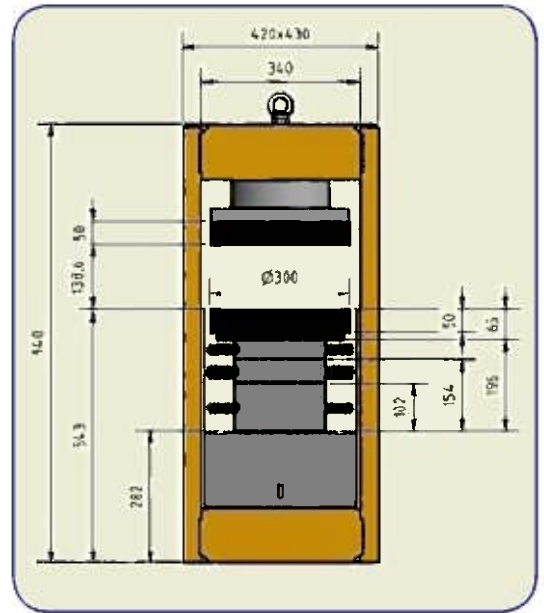
1125 kN Monoblock Frame Dimensions



1500 kN Monoblock Frame Dimensions



2000 kN Monoblock Frame Dimensions



3000 kN Monoblock Frame Dimensions

## ■ COMPRESSION TESTER - Full Automatic / Monoblock (B-001/ FA) ASTM C39 • EN 12390-4

### ● TECHNICAL SPECIFICATIONS

- Full Automatic with Real Time LCD Graphical Data Acquisition Control System
- Automatic Load Rate
- Stops upon test completion and indicates max. load & stress
- Connectable to computer and/or thermal printer
- Unit selection available (kN, kgf, lbf)
- User-friendly calibration (password protected)
- Limit switch installed to prevent piston over-travelling
- Equipped with safety front guard
- Supplied with distance pieces to test:
  - Cubes (15 x 15 cm)
  - Cylinders (Ø4" X 8") (Ø10 x 20 cm)
  - Cylinders (Ø6" X 12") (Ø15 x 30 cm)
- 220 - 240 V / 50 - 60 Hz



### ● AVAILABLE OPTIONS for ASTM

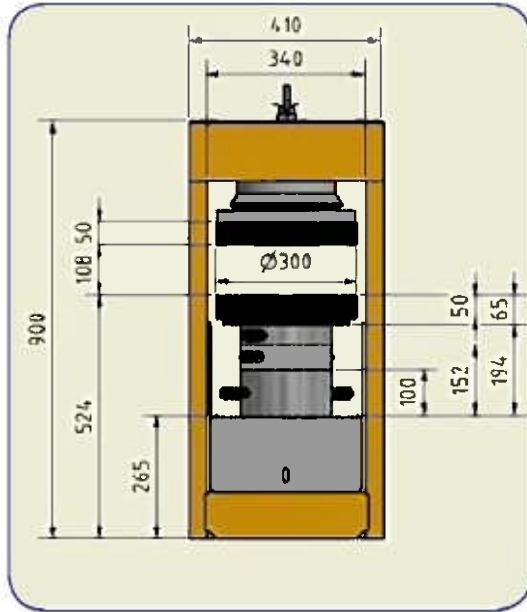
Code	Capacity	Standard
<b>B-001/FA/11/ASTM</b>	<b>1125 kN</b>	ASTM C39
B-001/FA/15/ASTM	1500 kN	ASTM C39
<b>B-001/FA/20/ASTM</b>	<b>2000 kN</b>	ASTM C39
B-001/FA/30/ASTM	3000 kN	ASTM C39

### ● AVAILABLE OPTIONS for EN

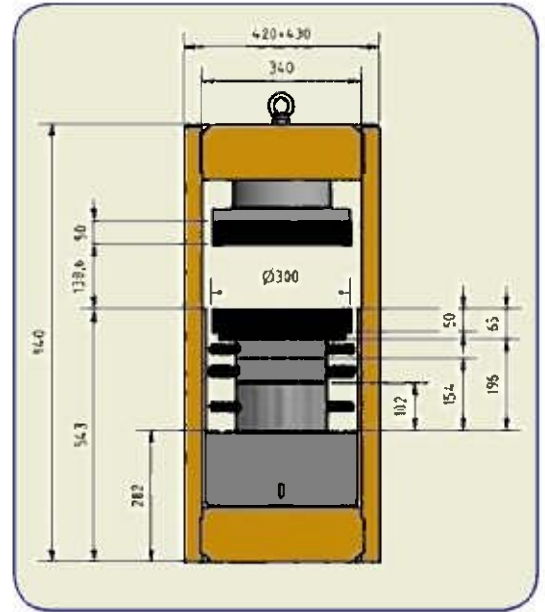
Code	Capacity	Standard
<b>B-001/FA/20/EN</b>	<b>2000 kN</b>	EN 12390-4
B-001/FA/30/EN	3000 kN	EN 12390-4

CONCRETE

- **COMPRESSION TESTER - Servo-Controlled / Monoblock (B-001/ SRV)**  
 ASTM C39 • EN 12390-4



2000 kN Monoblock Frame Dimensions



3000 kN Monoblock Frame Dimensions



■ **COMPRESSION TESTER - Servo-Controlled / Monoblock (B-001/ SRV)**  
**ASTM C39 • EN 12390-4**

● **TECHNICAL SPECIFICATIONS**

- Full Automatic, Servo-Controlled Hydraulic System with Real Time LCD Graphical Data Acquisition Control System
- Automatic Load Rate
- Stops upon test completion and indicates max. load & stress
- Connectable to computer and/or thermal printer
- Unit selection available (kN, kgf, lbf)
- User-friendly calibration (password protected)
- Limit switch installed to prevent piston over-travelling
- Equipped with safety front guard
- Supplied with distance pieces to test:
  - Cubes (15 x 15 cm)
  - Cylinders (Ø 4" X 8") (Ø 10 x 20 cm)
  - Cylinders (Ø 6" X 12") (Ø 15 x 30 cm)
- 220 - 240 V / 50 - 60 Hz



● **AVAILABLE OPTIONS for ASTM**

Code	Capacity	Standard
<b>B-001/SRV/20/ASTM</b>	2000 kN	ASTM C39
B-001/SRV/30/ASTM	3000 kN	ASTM C39

● **AVAILABLE OPTIONS for EN**

Code	Capacity	Standard
<b>B-001/SRV/20/EN</b>	2000 kN	EN 12390-4
B-001/SRV/30/EN	3000 kN	EN 12390-4