

Universal Testing Machine 118



With their robust and proven design, 118 Series hydraulic universal testing machines offer users long-term added value in materials and component testing. All machines in the series feature integrated wedge grips for flat and round specimens, as well as compression plates and tooling for flexure tests. All machines feature four ground columns, as well as trapezoidal spindles for adjusting the crosshead position. With their easy-to-operate Test 850 control and 950 software, which meet even scientific requirements, they offer the user almost unlimited flexibility while at the same time providing reliably reproducible accurate test results.

| TECHNICAL DATA | □ | 118.200kN | 118.400kN | 118.600kN | 118.1000kN | 118.2000kN |
|--------------------------------------|--------|-----------|-----------|-----------|------------|------------|
| Test load | kN | 200 | 400 | 600 | 1000 | 2000 |
| Test area height (max) | mm | 600 | 600 | 600 | 700 | 1000 |
| Test area width | mm | 400 | 455 | 455 | 495 | 740 |
| Test area depth | mm | 450 | 500 | 500 | 600 | 800 |
| Piston stroke | mm | 200 | 200 | 200 | 200 | 250 |
| Piston speed | mm/min | 0-50 | 0-50 | 0-50 | 0-50 | 0-50 |
| Diameter for round tensile specimens | mm | 10-32 | 10-40 | 10-40 | 13-55 | 15-70 |
| Thickness for flat tensile specimens | mm | 0-15 | 2-30 | 2-30 | 0-40 | 0-60 |
| Diameter of compression plates | mm | 120 | 150 | 150 | 180 | 200 |
| Diameter of rollers | mm | 30 | 30 | 30 | 30 | 50 |
| Clearance between support rollers | mm | 500 | 500 | 500 | 500 | 600 |
| Power Supply | V | 380 | 380 | 380 | 380 | 380 |
| Height | mm | 1710 | 2000 | 2000 | 2180 | 3280 |
| Width | mm | 700 | 750 | 750 | 800 | 1300 |
| Depth | mm | 600 | 650 | 650 | 750 | 800 |
| Weight | kg | 1800 | 2000 | 2200 | 2800 | 7500 |