

Product Information

Z1200H Materials Testing Machine with Hydraulic Drive

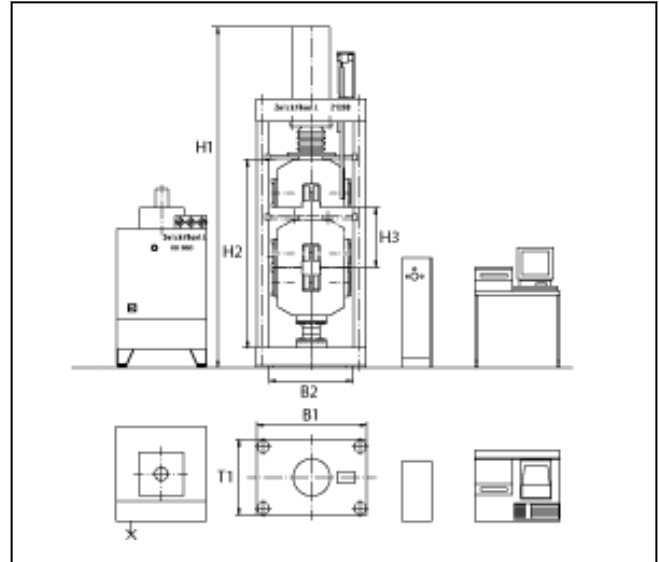
CTA: 92307 92463



ZwickRoell Z1200H with hydraulic grips

Key advantages

- These hydraulic materials testing machines have a single central hydraulic drive.
- Optionally available with an adjustable top crosshead, allowing the test area to be adapted to customers' requirements.
- High-resolution, channel-synchronized measurement technology provides extremely precise, accurate determination of material characteristic values. No range-switching is necessary as load-signal resolution is available over the whole range.
- Large measurement range also allows low test loads to be determined precisely, with no need to re-equip the testing machine.



Drawing: ZwickRoell Z1200H with hydraulic grips

Additional advantages and features

- Extremely stiff, robust load frame.
- In standard tests using Zwick's *testXpert*® testing software, operator involvement is reduced to pushing a single button.
- Modular design throughout the system allows the entire ZwickRoell accessory range to be used, including a wide variety of extensometers, specimen grips and other test fixtures.
- Should new testing requirements arise, additional test fixtures are easily installed via a T-slot or screw system.
- Can be tailored to customers' specific requirements (e.g. test devices, specimen grips, test-speed ranges, testing software).

Product Information

Z1200H Materials Testing Machine with Hydraulic Drive

Type Item No.	Z1200H 358424	Z1200H 358425	
Fmax	1200	1200	kN
Top crosshead	Fixed	Adjustable	
No. of guide columns	4	4	
Stiffness of load frame, crosshead flexing and lead-screw elongation, approx.	1200	1200	
Load-frame dimensions			
H1 - height	3411	max. 3769	mm
B1 - width	1100	1220	mm
T1 - depth	760	920	mm
Test area dimensions			
H1 - height	1876	max. 2184	mm
B2 - width	850	850	mm
H3 - max. stroke	600	600	mm
Test speed	200	200	mm/min
Weight			
without accessories (with electronics)	4050	4700	kg
with specimen grips	5350	6000	kg
Specific floor loading	1.6	1.8	kg/cm ²
Load cell accuracy class			
0.5 from	24	24	kN
1 from	4.8	4.8	kN
Displacement resolution of drive	0.16	0.16	µm
Positioning accuracy	± 0.01	± 0.01	mm

Description	Value	
Environmental conditions		
Operating temperature	+10 to +35	°C
Storage temperature	-25 to +55	°C
Humidity (non-condensing)	<90	%
Electrical power supply		
power supply voltage 3 Ph/N/PE	400	V
power supply frequency	50	Hz
drive rating	15	kVA
back-up fuse	32	A
Noise level at 1 meter distance	67	dB(A)
Color of housing	RAL 7011 (iron gray) and RAL 7038 (agate gray)	