

UNIVERSAL TEST MACHINE



The proving ring is 0.3 (3/1000) level standard "the Value of Pressure" measuring instruments. It is mainly used for verification and calibration about material testing Machines, compression testing machine and other measuring instruments, equipment. It is also used for other relevant instruments, equipment, spare parts, components "force value" measurement.

The proving ring is a device used to measure force. It consists of an elastic ring of known diameter with a measuring device located in the center of the ring.

Proving rings come in a variety of sizes. They are made of a steel alloy. Manufacturing consists of rough machining from annealed forgings, heat treatment, and precision grinding to final size and finish.

Max load (Kn)	Type	Load Measuring	Dimension (LxWxH mm)	N.W. kg
30	EHB-30	pull-push	210x115x230	4.6
	EHB-30A	push	210x115x200	3.7
60	EHB-60	pull-push	210x115x230	6.1
	EHB-60A	push	210x115x200	5.1
100	EHB-100	pull-push	210x130x250	7.2
	EHB-100A	push	210x130x230	7.5
300	EHB-300	pull-push	225x160x335	13.3
	EHB-300A	push	225x160x235	10.8
600	EHB-600A		250x195x250	20.3
	EHB-600B		165x150x205	6.5
1000	EHB-1000A		270x205x270	31.0
	EHB-1000B		170x160x225	9.8
2000	EHB-2000A		220x180x260	22.1

WAWD Series

Features:

1. Dual-test space design, under-cylinder, four-column-double-screw frame structure, compact structure;
2. Brand NACHI Gear pump, Hydraulic clamping, don't skip, and can be increased special fixture with the shoulder, thread, strand;
3. Durable chrome-plated column for easy cleaning and a long-lasting-life;
4. 12v Hand operation box makes the operation more convenient and flexible;
5. High-precision load cell directly measures force, strong resistance to lateral and impact;
6. By using high pressure internal gear pump, the noise is less than 60 db under full load;
7. The hydraulic system uses pressure servo technology, the system pressure always follow up with the working pressure, and thus more energy saving;
8. While computer-controlled, with manual operation so that customers have more choices use;
9. With hardware and software overload protection;
10. Advanced and reliable PCI bus technology to improve the speed of data acquisition, control signal response and control accuracy.

Code	WAWD-300B	WAWD-600B	WAWD-1000B	WAWD-2000B
Max load capacity(kN):	300	600	1000	2000
Structure type:	Underneath oil cylinder, Four stand column, double screw, Protect cover, double space			
Accuracy class:	Class 1(0.5)			
Test force range:	1%-100% F.S			
Test force accuracy:	±1%(±0.5%)			
Measuring range of extension:	1%-100% F.S			
Extension accuracy:	±1%(±0.5%)			
Displacement accuracy:	±1%			
Displacement resolution:	0.001mm			
Relative error of stress-controlled velocity:	±2%(±1%)			
Speed setting accuracy:	±1%(±0.5%)			
Adjusting range of strain-controlled velocity:	0.00025/s-0.0025/s			
Relative of force/extension/displacement-control:	±2%(±1%)			
Range of force/extension/displacement-control:	0.3%-100% F.S			
Relative error of force/extension/displacement- control:	≤1%			
Maximum speed of sentre sill (mm/min)	320		350	
Compression space(mm):	600		650	
Tensile space (mm):	700		800	
Piston stroke (mm):	200		250	
Diameter of round specimen (mm):	Dia. 10-32	Dia. 13-40	Dia. 14-45	Dia. 20-70
Thickness of flat specimen (mm):	0-20		0-40	0-50
Maximum distance of bending test (mm):	-	-	-	-
Size of compression plates(mm):	Dia.150	Dia. 200	Dia. 225	240×240
Dimension (load frame mm):	800×620×2000	900×700×2300	1050×800×2500	1200×900×2850
Dimension (control console mm):	800×600×1600			
Power:	380V(220V optional), 50Hz(60Hz optional), 3.5kW	380V(220V optional), 50Hz(60Hz optional), 3.5kW	380V(220V optional), 50Hz(60Hz optional), 3.5kW	380V(220V optional), 50Hz(60Hz optional), 3.5kW
Weight (load frame kg):	300	300	300	300
Weight (control console kg):	1850	2550	3200	5000

- F1: Top bar
- F2: Snap gauge, clamping grip
- F3: Safety protect cover
- F4: Mid bar
- F5: Compression plate
- F6: Platform
- F7: Side cover
- F8: Base
- F9: Screw rod
- F10: Standard column
- F11: Digital display unit
- F12: Keyboard and house
- F13: Hardware component



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