



## WEBSTER HARDNESS TESTER

**Webster Hardness testers** also known as Webster hardness pliers, they can be used to test the hardness value of aluminium alloy quickly at the scene of the production. They are the preferred instruments for testing the force of aluminium alloy. Webster hardness tester can be used to test the hardness value of aluminium alloy, pipe, plate, aluminium parts, and other soft metals. Judge whether the aluminium products have the aging or not, and determine the limitation is up to standard. It also can distinguish between different types of aluminium and different aging state. Webster hardness testers especially suitable for batch production site and sales site, also for the aluminium profile, door, window, curtain, wall and so on to do the quick testing and non-destructive checking one by one. Webster hardness tester is easy to operate, just clamp the work piece, and then read the hardness value directly. It focuses on high efficiency and good reliability which conform to the American standard ASTM B647-84 (2000).



### **BW-20**

#### **FEATURES: -**

- One hand operation and portability
- Round 3/8-inch diameter anvil permits testing a great variety of shapes
- Simple operation permits readings independent of the operator's skill
- Test is made by simply applying pressure to the handles until "bottom" is felt
- Easy-to-read dial indicator with 20 graduations permits use of the tester as "go" and "no-go" gauge, or values can be converted to other standard scales
- Standard hardness gauge tests materials up to 1/4 inch in thickness
- Increased capacities available up to 1 inch

#### **PRODUCT USAGE: -**

- Determine whether the work piece has been heat treatment or not, inspect heat treatment effects.
- Determine whether the piece is made of inappropriate alloy.
- Test the parts or assemblies which are too long, too heavy to carry to the laboratory.

**TECHNICAL SPECIFICATIONS: -**

Model	BW-20	BW-20A	BW-20B
Dimension/Diameter(mm)	Sheets: thickness $\leq$ 6; Tubes: innerdiameter $\geq$ 10	Sheets: thickness $\leq$ 13 Tubes: inner diameter $\geq$ 10	Sheets: thickness $\leq$ 8 Tubes: inner diameter $\geq$ 6
Testing Range	0~20HW		
Tolerance Error	0.5HW(5~17HW)		
Repeatability	0.5HW(5~17HW)		
Hardness Range	25~110HRE; 58~131HRV		
Application	Aluminium alloy		
Net Weight(Kg)	0.5	0.5	0.5
Gross Weight(Kg)	1.1	1.1	1.1
Packing Dimension(mm)	280×230×80mm	280×230×80mm	280×230×80mm

**Standard Accessories**

- Tester
- Standard Test Block with Certificate
- Spare Indenter
- Calibration Wrench
- Screwdriver
- Anvil Cap (W-20A)
- Carrying Case