

NEWAGE®

KB Series Manual Tester

Specification Sheet
SS-KB-0310
March 2010

The NEWAGE® KB Series is a popular, manually-controlled tester that meets ASTM E-110. This lightweight, portable tester is ideal for virtually any size or shape of metal specimen. Simply place the specimen between the anvil and test head; manually crank the test head downward onto the specimen; and apply the desired load using the hydraulic lever. Overload protection is standard. The tester applies up to 3000 kg load on a 10mm ball, making a visible indentation that is read using a Brinell scope or our B.O.S.S. system. The calibrated accuracy is better than 0.5% of the applied load.

The KB Series is available with load measurement systems of 1000 kgf and 3000 kgf with variations for extended rams or with a chain adapter. The chain adapter is 4 ft in length and is used for large cylinder samples. It secures onto the test head and wraps around the specimen holding the specimen securely during the test procedure. The test head may also be supplied with an extended ram length. The extended length is ideal for recessed areas or over raised edges. Other options include a reverse direction load adapter used for measuring inside diameters on pipe, tube, etc.

All KB Series testers, except the models with chain adapter accessory, are supplied with a 10mm carbide ball indenter, flat anvil, vee anvil and dome anvil.

Features

- Meets ASTM E110
- Versatile- use on virtually any shape or size
- Manual operation locks sample into position
- Economical

Specifications

Measurement Range:	HB100 - 700
Operation:	Manual
Load Measurement:	Hydraulic
Accuracy:	±0.5%
Load Range (kgf):	3000, 1000
Vertical Capacity:	13-1/2" or 20"
Throat Depth:	4"
Indenter:	10mm carbide
Warranty:	1 year



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Ordering

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Model	Load Range	Vertical Capacity
KB-010	1000 kgf	13.5"
KB-010T	1000 kgf	20"
KB-010L	1000 kgf	13.5" with extended 2" ram
KB-010LT	1000 kgf	20" with extended 2" ram
KB-030	3000 kgf	13.5"
KB-030T	3000 kgf	20"
KB-030L	3000 kgf	13.5" with extended 2" ram
KB-030LT	3000 kgf	20" with extended 2" ra
KB-010CA	1000 kgf	with 4 ft roller chain
KB-030CA	3000 kgf	with 4 ft roller chain

Options and Accessories

Part No.	Description
KB-334	Load adapter, used ro testing inside diameters on pipe, tube. Includes anvil and ram cap
KB-CA	Chain adapter, used on CA types, 4 ft length chain
BR-3152	Carbide ball only, 10mm, with certificate
BR-3155	Carbide ball only, 5mm, with certificate
KB-10	Retainer cap, for 10mm ball
KB-301	Flat anvil
KB-302	Vee anvil
KB-303B	Dome anvil

Optical Scopes

Model	Description
35-450	Pocket Brinell scope, 20X, fixed focus, with carrying case
5620-05	HighLight Scope, 20X, adjustable focus with case
5620-05A	HighLight Scope, 20X, adjustable focus with "Auto Motion" automatic On/Off and case.
5620-01	HighLight Scope, 20X with 0.1mm resolution (special order)

Scopes are supplied with storage case, hand strap and removable snap-on base.

The NEWAGE® 5620 Series HiLight Brinell Scopes features a high-efficiency LED array for its light source, providing excellent illumination and improved readability over conventional "flash light" scopes. The LED array consists of four individual LEDs positioned to provide an even and consistent definition of the Brinell impression's edge. The 5620 Series uses a 3V lithium CR2 battery. Up to 200 hours of continuous use is typical before a battery change is required. An optional motion sensor/timer can be used to automatically turn the scope On/Off.



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