

**Standards:**

ASTM D7136 - 20  
ASTM D7766 - 16  
ASTM D7956 - 16  
BSS 7260-88  
EN 6038-95

**Material Type:**

COMPOSITE, MATRIX, POLYMER, FIBER-REINFORCED

**Type of Testing:**

DROP WEIGHT, IMPACTOR

# 500 IN-LB DROP WEIGHT IMPACTER



**Model No.**

ASTM.D7136.10  
ASTM.D7766.30  
ASTM.D7956.30  
BOEI.07260.10  
ENST.06038.10

**Specimen Size or Difference Between Fixtures**

See below  
See below  
See below  
See below  
See below

**Construction**

Steel with protective finish  
Steel with protective finish  
Steel with protective finish  
Steel with protective finish  
Steel with protective finish

**Temperature**

Ambient  
Ambient  
Ambient  
Ambient  
Ambient

Specimen:	Length	6"
	Thickness	0.125 - 0.5"
	Width	4"
Fixture:	Mounting	Free standing
	Capacity	500 in-lb
	Weight	500 lb approximately
	Dimensions	19" x 16" x 90"
	Standard	Manufactured in compliance with ASTM D7136, D7766, D7956, BSS 7260 and EN 6038

## **QUOTE**

Model No. ASTM.D7136.10 - 500 in-lbs Drop Weight Impacter

Includes a 5.6 kg (12.35 lb) impact tup with a 0.625" diameter hardened to 60-62 HRC hemispherical tip. Twin guide rails that provide a minimum of 1,000mm (39.3") of lift for the cross head weight. A sturdy metal box frame with a specimen table on top. The specimen table is 0.75" thick and has a cut out in the plate that is 3" by 5" made from Aluminium. The specimen table has four hold down clamps with the tip made from Neoprene rubber, a hardness range of 70-80 Shore A and can have a holding capacity of 100N (200 lb) . The mechanical rebound catcher catches the tup during the rebound after impact, allowing the mass of the tup and cross head to be suspended over the test specimen after impact. Other features included with the fixture are: stop blocks, laser crosshead lift indicator, mechanical hoist lifting system and a latch mechanism. Constructed in accordance with ASTM D7136, D7956, Boeing BSS 7260, EN 6038 and SACMA Method SRM 2-88.

## **ACCESSORIES**

Model No. ACC.D7136.1001 - Optional Velocity Sensor

The optical single pass velocity sensor system incorporates VSDI Sensor unit, desk top cabinet, (15 foot interconnection cable and 1" target blade. The sensor will be a GHI Systems 7.25V DC @ 0.2A or equivalent, with output 0-10V) signal.

Model No. ACC.D7136.1002 - Impact Specimen Hold Down Jig

Jig holds and clamps the 4" by 6" impact specimen. The 12" x 12" base plate includes a 5" x 3" cut out. The jig includes alignment pins and hold down clamps with rubber tips. The fixture is constructed from high strength steel with protective finish in accordance with ASTM D7136.

Model No. ACC.D7136.1005 - Dial Gage Dent Indicator

## **SPARE PARTS**

Model No. SPA.D7136.1001 - 0.625" Diameter Impactor Tup

## **COMMON SIZE ADAPTERS**

No adapters needed for this fixture

**EXTRA PHOTOS:**

