



Choosing The Right Alloy

Part Three of the
Mechanical Properties Series

A. Impact Strength

1. Definition

The force of an impression of one thing on another. Ability to resist shock, as measured in ft./lbs. by a suitable testing machine.

2. Illustration

Range of impact strengths available in zinc alloys.

B. Other Materials: Impact Strength in Relationship to Zinc Alloys: (Ft./lbs.)

- ▲1. Copper alloy (858)* is 3 (ft./lb.) < ZAMAK #3
- other materials impact strength unavailable.

(▲) A.D.C.I.

(*) Commercial Designation

ZINC ALLOY	IMPACT STRENGTH	(ft./lbs.)
#3	43²	
#5	48²	
#7	43²	
#2	35²	
ZA-8	31³	

Source: Eastern Alloy, Inc.

Questions? Give us a call. We always welcome an opportunity to supply the answers.