

# Coverall Bend - Impact Tester

## BYK-Gardner "Coverall" Bend and Impact Tester

Used to test both flexibility and impact resistance. By simply reversing the impactor, the instrument can evaluate the flexibility of can-stock coating during double seaming and to test its impact resistance in handling.

- Tests both flexibility and impact resistance
- Graduated (inches) guide tube
- Maximum force of 160 inch-pounds



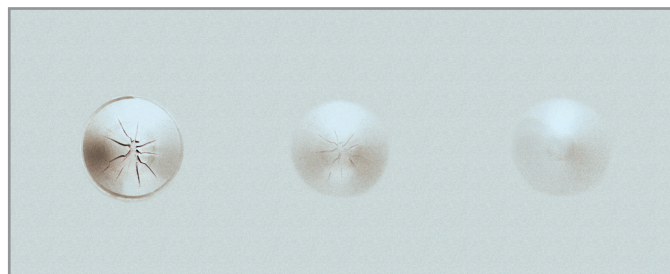
## Measurement Procedures

### Procedure: Impact Test

For impact studies, the top block is leveled with the plug removed exposing a 1.43 cm (0.563 in) hole. The 1.27 cm (0.50 in) diameter, round-nosed end of the 4 lb weight may now be dropped from any height along the graduated scale on the guide tube from 0 to 160 inch-pounds.

### Procedure: Bend Test

To make a bend test, the coated panel 3" x 4" (0.048" thickness) is first bent 180° over the 1/8" rod. The bent panel is placed between the parts of the hinge. Then the impact tool, flat face down, is dropped from any desired height onto the upper part of the hinge. The cylindrical fold in the panel is squeezed into a conical shape.



## Standards

ASTM D3281

|                              |                                      |
|------------------------------|--------------------------------------|
| <b>Catalog Number</b>        | <b>1125</b>                          |
| <b>Short Description</b>     | <b>Coverall Bend - Impact Tester</b> |
| <b>Weights included</b>      | 4 lb                                 |
| <b>Scale</b>                 | English                              |
| <b>Weight</b>                | 8.2 kg                               |
|                              | 18 lb                                |
| <b>Dimensions: L x W x H</b> | 25 x 25 x 127 cm                     |
|                              | 10 x 10 x 50 in                      |

### Delivery Content

Base with arm support  
Guide tube with inch-scale (1568)  
Falling weight 4 lbs (1571)  
Punch  
Manual

| <b>Catalog Number</b> | <b>Short Description</b>              |
|-----------------------|---------------------------------------|
| <b>1128</b>           | <b>Falling Weight 2 lbs, for 1125</b> |
| <b>1231</b>           | <b>Lift Screw</b>                     |
| <b>1568</b>           | <b>Guide Tube for 1125</b>            |
| <b>1571</b>           | <b>Falling Weight 4 lbs, for 1125</b> |
| <b>1573</b>           | <b>Anvil, for 1125</b>                |
| <b>1574</b>           | <b>Hinge Plate, for 1125</b>          |