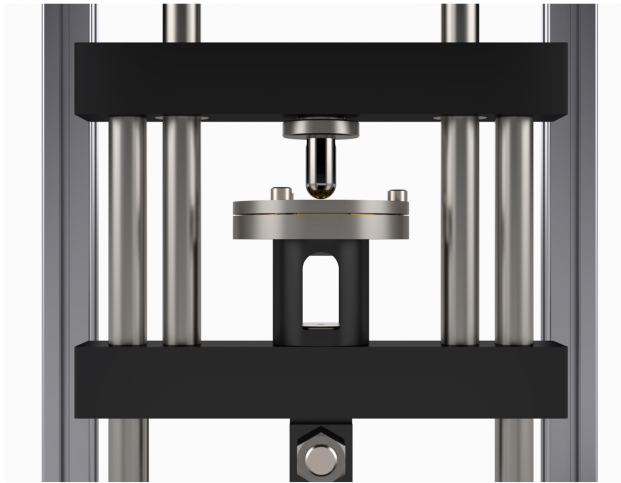




DEEP DRAW TEST SET

HSM58p



Features

- Deep draw; 'cupping' experiment
- Optional experiment for HSM58
- Punch, die and die holder supplied
- Punch and specimens to BS EN ISO 20482:2003
- Specimens in aluminium and brass supplied
- Specimens available separately

Description

All parts of this experiment sit between the compression area of the HSM58 apparatus (not supplied). A disc specimen is clamp firmly on top of a hardened die, and it is then raised onto a punch. As all three parts come into contact, the punch starts to move into the die, taking disc material with it, and forming a cupped shape. Two sets of specimen discs are supplied, in copper and aluminium. Tools are supplied, along with grease lubricant.

Related Laws/Applications

- Sheet metal forming
- Plastica deformation
- Cupping
- Deep drawing
- Manufacturing

Learning capabilities

- To obtain a value for the samples so that a comparison can be made to determine the suitability of the sample for the drawing process.
- To use the Erichsen cupping index value as well as other results obtained from the experiment to compare samples and their properties.

Technical Specification

- Punch and specimens comply with BS EN ISO 20482:2003
- Test specimens: Ø90mm x 1mm thickness

Essential Ancillaries

- HSM58

Recommended Ancillaries

- HSM58Q

What's in the Box?

- 1 x Punch
- 1 x Die
- 1 x Pressure ring
- 1 x Grease
- 10 x Aluminium specimens
- 10 x Brass specimens
- Instruction manual
- Packing list
- Test sheet

Essential Services

- HSM58

Ordering information

To order this product, please call PA Hilton quoting the following code:
HSM58P

All brand and/or product names are trademarks of their respective owners. Specifications and external appearance are subject to change without notice. The colour of the actual product may vary from the colour shown in the brochure.

Copyright © 2018 P.A. Hilton Limited. All rights reserved. This technical leaflet, its contents and/or layout may not be modified and/or adapted, copied in part or in whole and/or incorporated into other works without the prior written permission of P. A. Hilton Limited. Hi-Tech Education is a registered trade mark of P. A. Hilton Limited.

COUNTRY OF ORIGIN - UK WARRANTY PERIOD - 5 YEARS