



SURFACE VEHICLE STANDARD	J855™	SEP2022
	Issued 1963-06 Revised 2009-11 Reaffirmed 2022-09	
Superseding J855 NOV2009		
Test Method of Stretch and Set of Textiles and Plastics		

RATIONALE

Change temperature Section 4 and remove sample location restrictions in Section 4. Add bold font to Section 4, Section 5 add L1.

SAE J855 has been reaffirmed to comply with the SAE Five-Year Review policy.

1. SCOPE

This method of test applies to the measurement of elastic and recovery properties of materials after being subjected to a low-static load.

2. REFERENCES

There are no referenced publications specified herein.

3. APPARATUS REQUIRED

3.1 Fixtures

The vice grip clamps are preferred because of the speed and ease of operation. Refer to Figure 1.

3.2 Weight

A weight is attached to the clamp on the suspended end of the test specimen. The clamp and the weight together shall total 12.25 kg (27 lb) unless otherwise specified.

4. TEST SPECIMENS

At 23 °C ± 2 °C (70 °F ± 3 °F) and 50% ± 5% relative humidity, cut three test specimens 76 mm x 229 mm (3 in x 9 in) (or as specified) each the **machine direction, (MD), across machine direction (AMD) and bias direction** (45 degree angle, both directions were applicable). The MD stretch and set are measured on the specimens with the long dimension parallel to the MD, and the AMD stretch and set are measured on the specimens with the long dimension parallel to the AMD. For woven fabrics such as bodycloth, sidewall, or headlining, the specimens should be cut slightly oversized and the yarns unraveled on each side until the 76 mm (3 in) dimension is attained.

SAE Executive Standards Committee Rules provide that: "This report is published by SAE to advance the state of technical and engineering sciences. The use of this report is entirely voluntary, and its applicability and suitability for any particular use, including any patent infringement arising therefrom, is the sole responsibility of the user."

SAE reviews each technical report at least every five years at which time it may be revised, reaffirmed, stabilized, or cancelled. SAE invites your written comments and suggestions.

Copyright © 2022 SAE International

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of SAE.

TO PLACE A DOCUMENT ORDER: Tel: 877-606-7323 (inside USA and Canada)
Tel: +1 724-776-4970 (outside USA)
Fax: 724-776-0790
Email: CustomerService@sae.org
http://www.sae.org

For more information on this standard, visit
https://www.sae.org/standards/content/J855_202209/

SAE WEB ADDRESS:

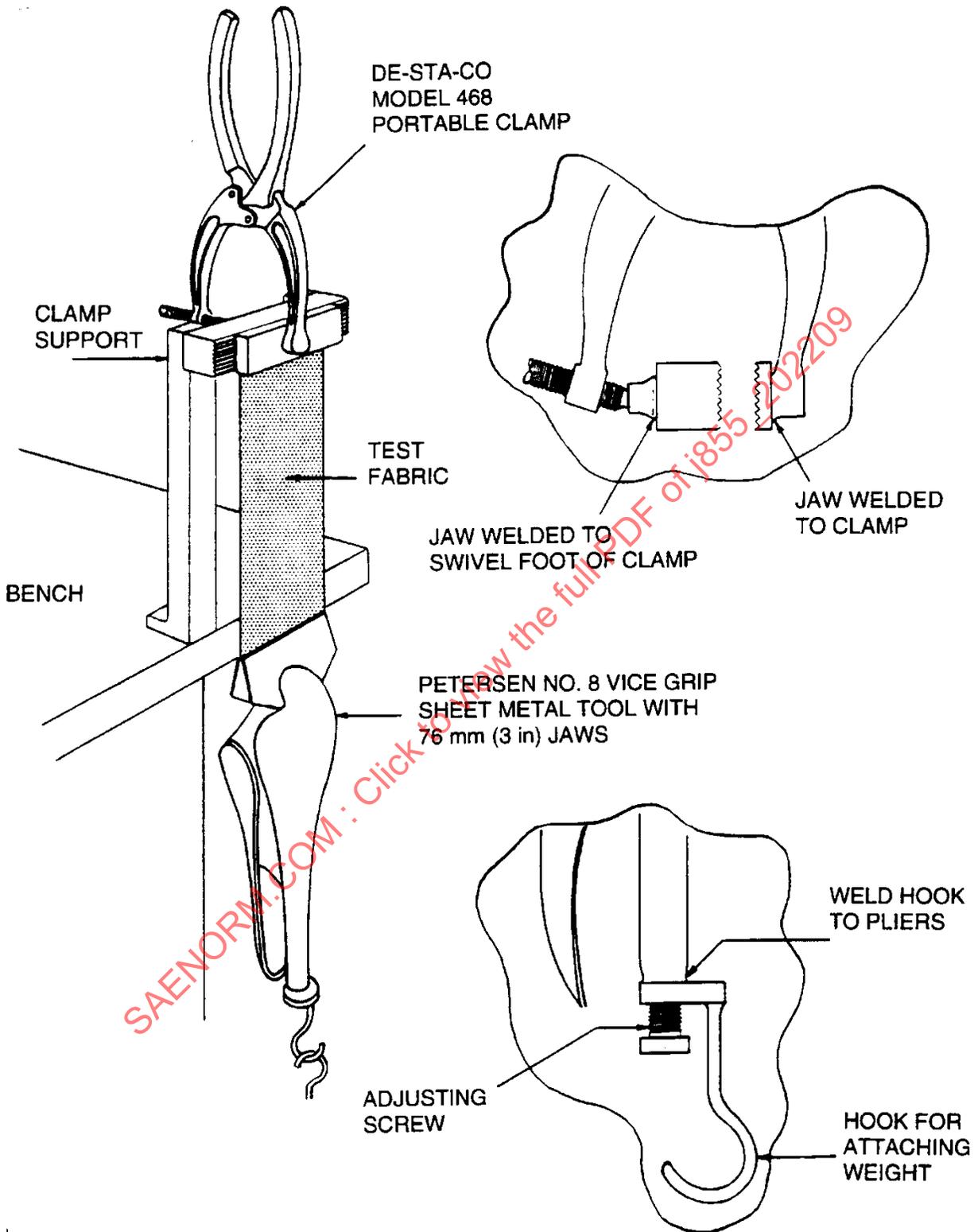


FIGURE 1 - CLAMP AND FIXTURE ASSEMBLY FOR STRETCH AND SET OF TEXTILES