

	SURFACE VEHICLE RECOMMENDED PRACTICE	SAE	J318 JUN2012
		Issued	1967-11
		Reaffirmed	2012-06
Automotive Air Brake Line Couplers (Gladhands)		Superseding J318 APR2003	

RATIONALE

This document is being reviewed in keeping with the five year review process. The Brake Supply and Control Components Committee has determined that this document is to be reaffirmed without changes.

1. Scope—This SAE Recommended Practice is intended to provide design, interchangeability dimensions, testing procedures, performance requirements, and minimum identification for gladhand-type air line couplers used to connect the brake systems of trucks, truck-tractors, trailers, and dollies when these vehicles are joined to operate as a combination unit.

1.1 Purpose—The purpose is to provide coupler halves for brake lines on one vehicle that will be identified and compatible with the coupler halves on the brake lines of another vehicle.

2. References

2.1 Applicable Publication—The following publication forms a part of the specification to the extent specified herein.

2.1.1 ASTM PUBLICATION—Available from ASTM, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.

ASTM B117—Standard Method of Salt Spray (Fog) Testing

3. Design and Interchange Ability Dimensions

3.1 Design is limited only to those areas having dimensions that insure interchangeability. Any material may be used, providing that the coupler meet the performance requirements. Other devices may be included in the gladhand, such as a quick-release valve or shut-off valve. Recommended practices for these devices are not included in this document.

3.2 General design and interchangeability dimensions are shown for polarized and non-polarized couplers as follows in Figures 1 to 3.

Use of non-polarized couplings is not recommended because they will mate with either polarized couplings which could result in incorrect connections between vehicles.

SAE Technical Standards Board 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 © 2012 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
 SAE WEB ADDRESS: <http://www.sae.org>

**SAE values your input. To provide feedback
 on this Technical Report, please visit
http://www.sae.org/technical/standards/J318_201206**

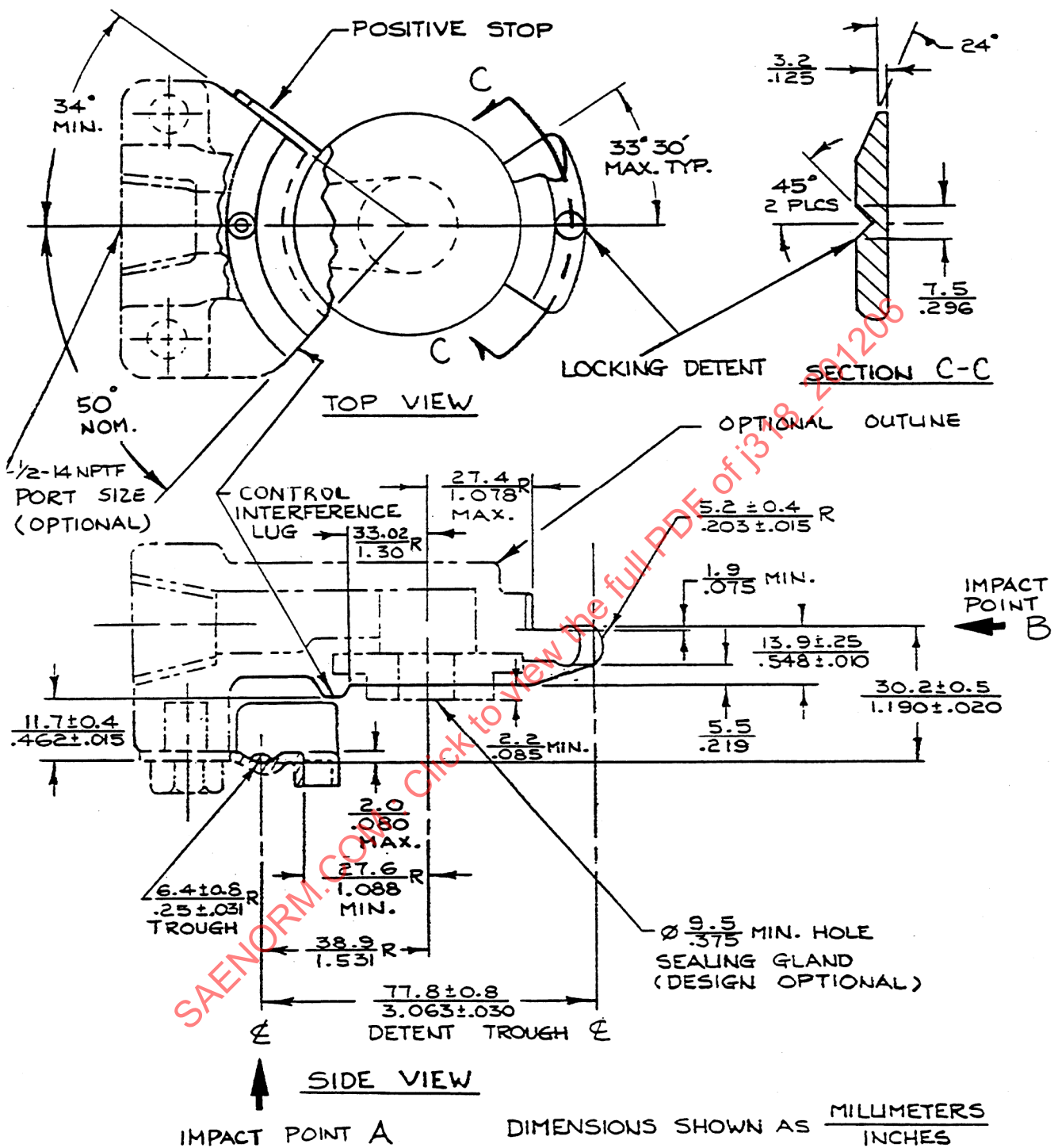


FIGURE 1—CONTROL (SERVICE) AIR BRAKE COUPLER

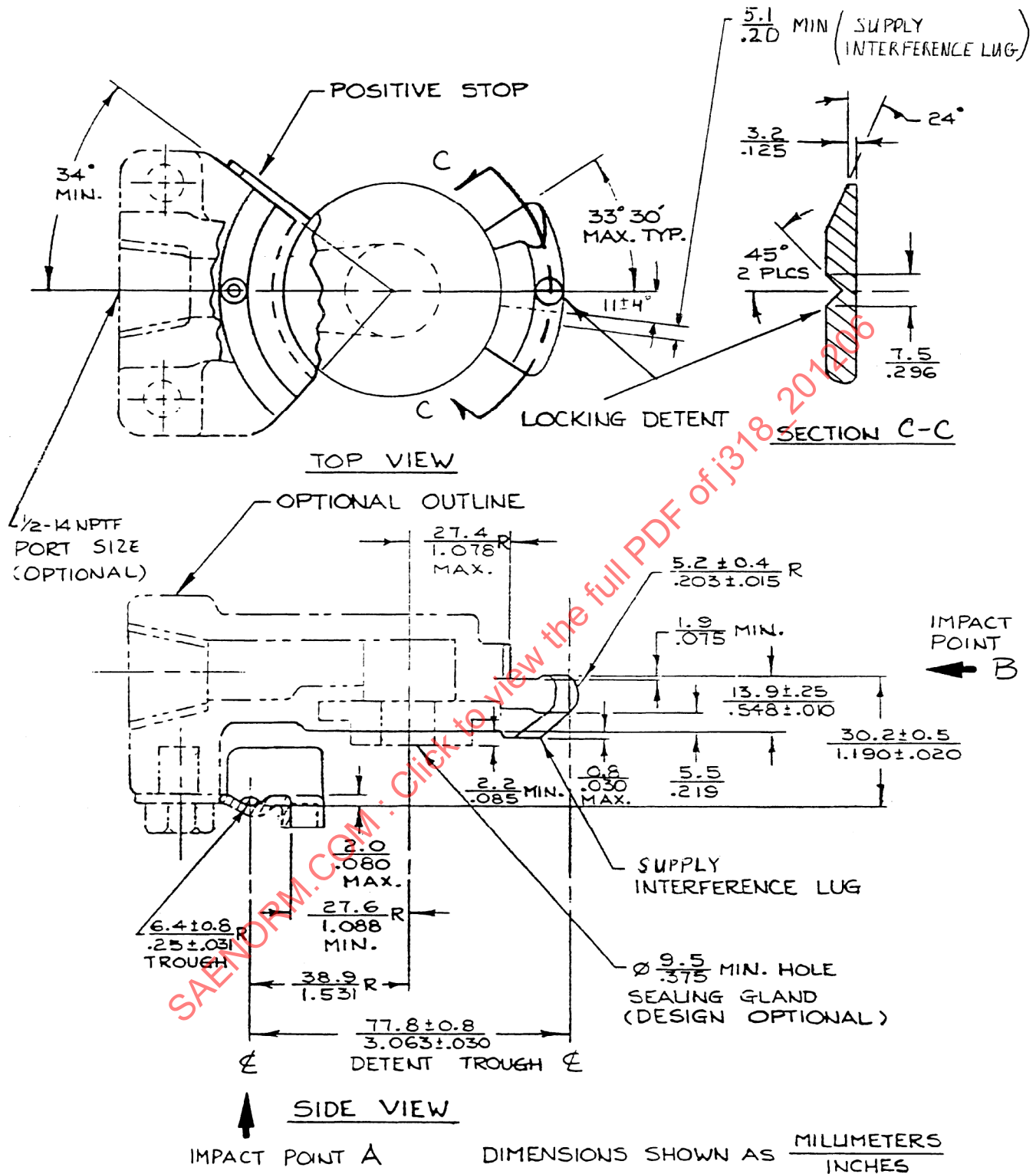


FIGURE 2—SUPPLY (EMERGENCY) AIR BRAKE COUPLER

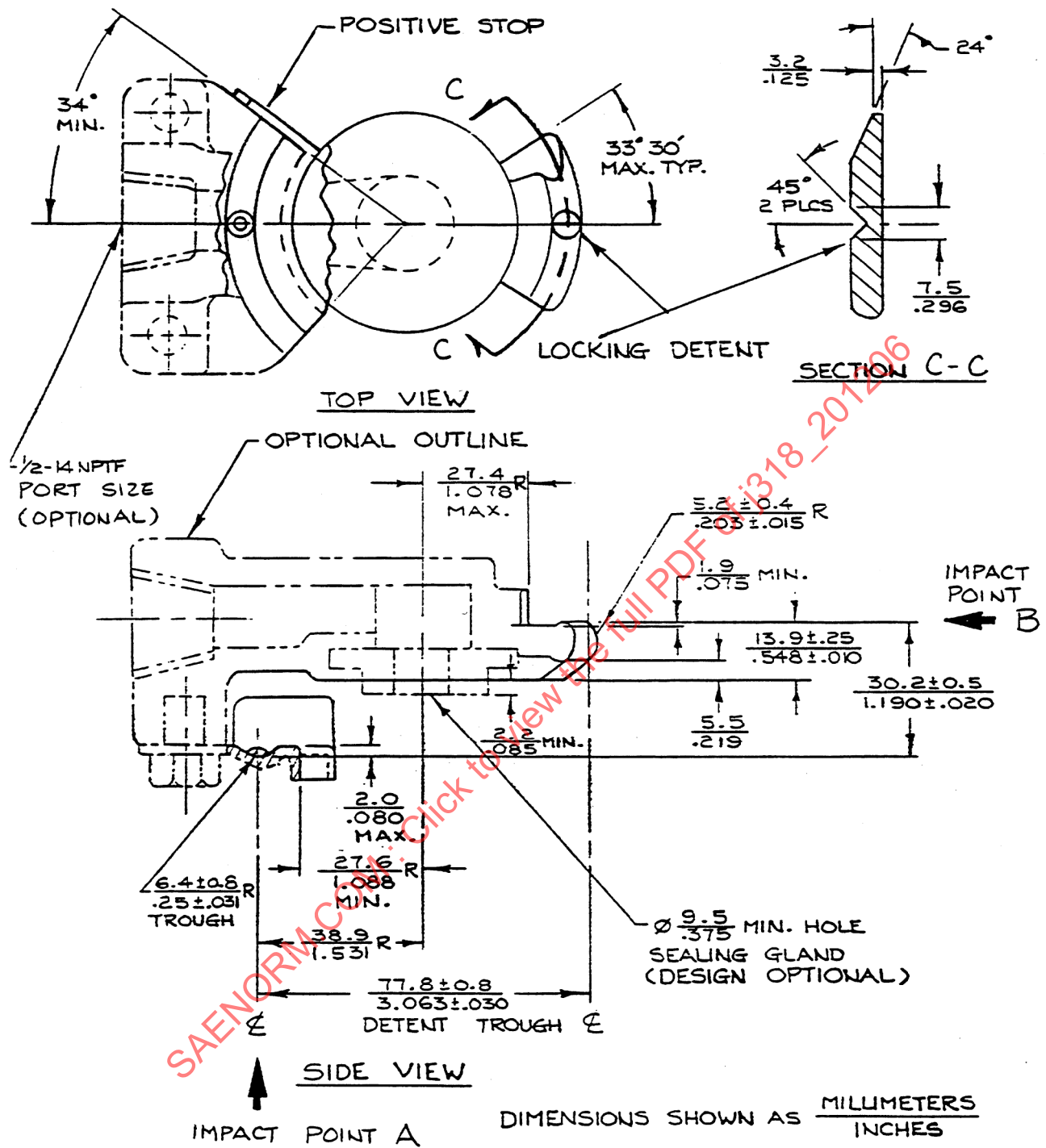


FIGURE 3—UNIVERSAL AIR BRAKE COUPLER