



SURFACE VEHICLE STANDARD

J1248™

JAN2022

Issued 1983-05
Reaffirmed 2010-06
Revised 2022-01

Superseding J1248 JUN2010

Performance Requirements for Parking Stability of Motorcycles

RATIONALE

This document is being revised to clarify the Test Procedure (SAE J1101) to which the Performance Requirements for Parking Stability of Motorcycles apply.

1. SCOPE

This SAE Standard presents performance requirements for the parking stability of two-wheeled motorcyclers intended for highway use.

2. REFERENCES

2.1 Applicable Documents

The following publications form a part of this specification to the extent specified herein. Unless otherwise indicated, the latest issue of SAE publications shall apply.

2.1.1 SAE Publications

Available from SAE International, 400 Commonwealth Drive, Warrendale, PA 15096-0001, Tel: 877-606-7323 (inside USA and Canada) or +1 724-776-4970 (outside USA), www.sae.org.

SAE J1101 Test Procedure for Parking Stability of Motorcycles

3. PERFORMANCE REQUIREMENTS

When tested according to the curb weight condition of SAE J1101, the motorcycle shall meet the following requirements:

3.1 Maximum Pressure on the Parking Surface

3.1.1 Side Stand

700 kPa (100 lbf/in²).

3.1.2 Center Stand

700 kPa (100 lbf/in²).

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

SAE WEB ADDRESS:

For more information on this standard, visit
https://www.sae.org/standards/content/J1248_202201/

3.2 Minimum Required Tip Over Angle

See Figure 1.

3.3 Minimum Required Roll Off Angle

See Figure 2.

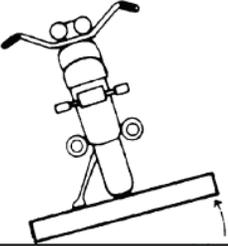
Device	Direction of Tilt	Diagram of Procedure	Minimum Required Performance (Deg)
Side Stand	Toward Side Stand		16
Side Stand	Away from Side Stand		8
Center Stand	Left		8
Center Stand	Right		8

Figure 1 - Tip over configuration