Asymmetrical anti-drag
Door safety device

Passenger safety without impacting availability

Faiveley Transport proposes an intelligent anti-drag solution, able to detect only real risks of passenger drag.

An inventive door seal shape is combined with a sensitive edge, constantly monitored by the Door Control Unit.

It applies for mass transit applications, on new cars or retrofit.

Key functions:
- External drag detection
- Internal tamper protection

CUSTOMER BENEFITS:
- Market-best passenger safety
- No deterioration of availability
- Vandal-proof
- Fully tested in accordance with EN 14752
- Quick and easy installation / replacement
- Suitable for original equipment and retrofit
To discover everything **Asymmetrical anti-drag** can do, contact:

Faiveley Transport Tours  
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BP 149 - 37701 SAINT-PIERRE-DES-CORPS Cedex - France  
Tel: +33 (0)2 47 32 55 55 - Email: raidoors@wabtec.com  
www.wabtec.com

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**Credentials:**
- Field tests on 16 Z2N SNCF doors since 2017

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**Typical characteristics for a sliding door**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire &amp; smoke</td>
<td>EN 45545 (R22 HL3) compliant</td>
</tr>
<tr>
<td>Watertightness</td>
<td>EN 14752 compliant</td>
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<tr>
<td>Obstacle detection</td>
<td>EN 14752:</td>
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<tr>
<td>(by over current detection without activation of the sensitive edge)</td>
<td>30*60 mm obstacle</td>
</tr>
<tr>
<td></td>
<td>10*50 mm obstacle</td>
</tr>
<tr>
<td></td>
<td>Rubber belt (VDV111)</td>
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<td></td>
<td>Also detects a Ø 11 mm rod</td>
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<tr>
<td>Door kinematics</td>
<td>Suitable for pure sliding and sliding plug doors</td>
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</tbody>
</table>

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**180° DETECTION**

from outside

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*Only real risks to drag passengers from outside are detected*