



# WHAT ARE THE HIGH-IMPACT ASTM CRASH-RATINGS?

The traditional high-impact ratings as described by ASTM are as follows:

Vehicle	Speed Rating	Penetration Rating
<b>Medium Duty Truck</b> 15,000 lbs	<ul style="list-style-type: none"> <li>• <b>M30</b>-30 mph</li> <li>• <b>M40</b>-40 mph</li> <li>• <b>M50</b>-50 mph</li> </ul>	<ul style="list-style-type: none"> <li>• <b>P1</b> ≤ 3.3 ft</li> <li>• <b>P2</b> 3.31-23.0 ft</li> <li>• <b>P3</b> 23.1-98.4 ft</li> <li>• <b>P4</b> &gt; 98.4 ft</li> </ul>
<b>Small Passenger Car</b> 2,430 lbs	<ul style="list-style-type: none"> <li>• <b>C40</b>-40 mph</li> <li>• <b>C50</b>-50 mph</li> <li>• <b>C60</b>-60 mph</li> </ul>	
<b>Pickup Truck</b> 5,070 lbs	<ul style="list-style-type: none"> <li>• <b>PU40</b>-40 mph</li> <li>• <b>PU50</b>-50 mph</li> <li>• <b>PU60</b>-60 mph</li> </ul>	
<b>Heavy Goods Vehicle</b> 65,000 lbs	<ul style="list-style-type: none"> <li>• <b>H30</b>-30 mph</li> <li>• <b>H40</b>-40 mph</li> <li>• <b>H50</b>-50 mph</li> </ul>	

# WHAT ARE THE LOW-IMPACT ASTM CRASH-RATINGS?

The crash ratings for this standard are as follows:

Vehicle	Speed Rating	Penetration Rating
<b>Surrogate Vehicle</b> (with specified crumple zone) 15,000 lbs	<ul style="list-style-type: none"> <li>• <b>S10</b>-10 mph</li> <li>• <b>S20</b>-20 mph</li> <li>• <b>S30</b>-30 mph</li> </ul>	<ul style="list-style-type: none"> <li>• <b>P1</b> ≤ 1 ft</li> <li>• <b>P2</b> 1-4 ft</li> <li>• <b>Failure</b> ≥ 4 ft</li> </ul>



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