



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

WHAT ARE THE LOW-IMPACT ASTM CRASH-RATINGS?

The crash ratings for this standard are as follows:

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