

EUROPE

FRONT

- 96/79/EG (UN-R 94)** (★) Deformable barrier, 56 km/h, Hybrid III 50%
- 96/79/EG (UN-R 94)** (★) (Electric Vehicles) Deformable barrier, 56 km/h, Hybrid III 50%
- ECE-R42** - 4 km/h; 2.5 km/h - Low-speed-impact Test (notch test)
- Euro NCAP** (★) Deformable barrier, 64 km/h, Hybrid III 50%, Q3, Q1.5
- ECE-R33 & ECE-R12** - 100% offset - 48.3 km/h - Rigid barrier
- AZT Test** - 40% offset - 16 km/h - Rigid barrier
- RCAR Bumper Test** - 100% / 15% Offset - 10 km/h / 5 km/h

REAR

- ECE-R32** - 100% offset - 35 km/h - Rigid barrier
- GTR 7** - Whiplash - Occupant protection during rear crash by seats
- ECE-R42** - 4 km/h; 2.5 km/h - Low-speed-impact Test (notch test)
- RCAR Bumper Test** - 10 km/h - Rigid barrier
- Euro NCAP** - Whiplash - Occupant protection during rear crash by seats

Pedestrian

- UN-R 127** - Several impactor tests (upper and lower legform, adult and child headform)
- 2009/078/EC & 2009/631/EC** - Several impactor tests (upper and lower legform, adult and child headform)
- Euro NCAP** (★) - Several impactor tests (upper/lower legform, Flex PLI, adult/child headform)

SIDE

- ECE-R95** Moveable deformable barrier, ES-2, 50 km/h 90°, MDB EEVC, 950 kg
- ECE-R95 (Electric vehicles)** (★) Moveable deformable barrier, ES-2, 50 km/h 90°, MDB EEVC, 950 kg
- 96/27/EG** Moveable deformable barrier, ES-2, 50 km/h 90°, MDB EEVC, 950 kg
- GTR** - Pole impact - 100% Offset - 32 km/h - Impact angle 75°
- EuroNCAP** (★) Moveable deformable barrier, ES-2, 50 km/h 90°, MDB EEVC, 950 kg, Q1.5, Q3
- EuroNCAP** (★) Rigid 254 mm Pole, ES-2, 29 km/h 90°

USA

FRONT

- FMVSS 208** Rigid barrier, 56 km/h, Hybrid III 50%
- FMVSS 208** Rigid barrier, 0°/±5°, 56 km/h, Hybrid III 5%
- FMVSS 208** Deformable barrier, ODB 40%, 40 km/h, Hybrid III 5%
- NHTSA-Oblique** (★) Moveable deformable barrier, 48 km/h, 27°
- IIHS** Deformable barrier, ODB 40%, 64 km/h, Hybrid III 50%
- FMVSS 301** Rigid barrier, 48 km/h, Hybrid III 50%
- FMVSS 305 (EL Vehicles)** - 100% Offset - Electric vehicles - 48 km/h - Rigid barrier (0°-30°)
- FMVSS 581** - Pendulum test - 2.5 km/h / 4 km/h
- IIHS RCAR Bumper Test** - 10 km/h / 5 km/h - Rigid barrier
- IIHS RCAR Structure Test** - 15 km/h - Rigid barrier

ROOF

- FMVSS 216a** m < 2722 kg; F = 3 x m x g; m > 2722 kg; F = 1.5 x m x g
- FMVSS 208** Hybrid III 50%, 48 km/h, 23°
- FMVSS 301/305** - Rollover - Rotation vehicle in steps of 90° (5min per test)
- IIHS** - Roof Crush
- US NCAP** - SSF (Static stability factor)

REAR

- FMVSS 301** Moveable deformable barrier, 50th %ile, 50th %ile
- FMVSS 202a** - Head restraint - 24 km/h (head rest) - 17.3 km/h (platform with seats)
- IIHS** - Whiplash - Occupant protection during rear crash by seats
- FMVSS 303** - 100% offset - 48 km/h - Rigid barrier
- IIHS RCAR BT.** - 5km/h / 10km/h - Rigid barrier
- FMVSS 305(EL Veh.)** - 70% offset - Electric vehicles - 80 km/h - MDB barrier
- IIHS RCAR ST.** - 15 km/h - Rigid barrier

SIDE

- FMVSS 201** (★) Rigid 254 mm Pole, SID-HS, 29 km/h 90°
- FMVSS 214** Moveable deformable barrier, ES-2 re, 48 km/h, 27°, MDB, 1368 kg, SID IIS
- FMVSS 214** (★) Rigid 254 mm Pole, SID IIS / ES-2 re, 0-32 km/h 75°
- US NCAP** (★) Moveable deformable barrier, ES-2 re, 55 km/h, 27°, MDB, 1368 kg, SID IIS
- US NCAP** Rigid 254 mm Pole, SID IIS, 32 km/h 75°
- IIHS** Rigid 254 mm Pole, SID IIS, 50 km/h 90°, MDB IIHS, 1500 kg, SID IIS
- FMVSS 305 (Electric Vehicles)** - 90° impact angle - Electric vehicles - 54 km/h - MDB

JAPAN

FRONT

- TRIAS 47** Rigid barrier, 50 km/h, Hybrid III 50%
- TRIAS 47-4** (★) Deformable barrier, ODB 40%, 56 km/h, Hybrid III 50%
- IIHS RCAR BT.** - 5km/h / 10km/h - Rigid barrier
- IIHS RCAR ST.** - 15 km/h - Rigid barrier
- JNCAP** Rigid barrier, 55 km/h, Hybrid III 50%
- JNCAP** Deformable barrier, ODB 40%, 64 km/h, Hybrid III 50%

REAR

- TRIAS 33** Moveable deformable barrier, 50th %ile, 50th %ile
- JNCAP** - Whiplash - Occupant protection during rear crash by seats
- IIHS RCAR BT.** - 5km/h / 10km/h - Rigid barrier
- IIHS RCAR ST.** - 15 km/h - Rigid barrier

Pedestrian

- JNCAP** (★) - Several impactor tests (Flex PLI, adult/child headform)

SIDE

- TRIAS 47-3-2000** Moveable deformable barrier, ES-2, 50 km/h 90°, MDB EEVC, 950 kg
- JNCAP** Moveable deformable barrier, ES-2, 55 km/h 90°, MDB EEVC, 950 kg

Legend:

- Legal Crash Regulations
- Consumer Crash Regulations
- Insurance Ratings
- ★ Future Update
- ➡ New (Future)

CHINA

FRONT

GB 11551-2003 Rigid barrier 50 km/h Hybrid III 50%	GB 20913-2007 Deformable barrier 56 km/h Hybrid III 50%	CNCAP Rigid barrier 50 km/h Hybrid III 50%	CNCAP Deformable barrier 64 km/h Hybrid III 50%
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ROOF
GB 26134-2010
- Roof strength

SIDE

GB 20071-2006 Moveable deformable barrier 50 km/h 90° MDB EEVC, 950 kg	CNCAP Moveable deformable barrier 50 km/h 90° MDB EEVC, 950 kg SID III
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REAR

GB 20072-2006
- 100% offset
- 48 km/h - 52 km/h
- Rigid barrier

CNCAP
- Whiplash
- Occupant protection during rear crash by seats

SOUTH KOREA

FRONT

KMVSS 102 Rigid barrier 48.3 km/h Hybrid III 50%	KNCAP Rigid barrier 56 km/h Hybrid III 50%	KNCAP Deformable barrier 64 km/h Hybrid III 50%	RCAR BT. - 10 km/h / 5 km/h - Rigid barrier
			RCAR Structure Test - 15 km/h - Rigid barrier

ROOF
KNCAP
- Rollover (SSF)
SSF = 1/2h

SIDE

KMVSS 102 Moveable deformable barrier 50 km/h 90° MDB EEVC, 950 kg	KNCAP Moveable deformable barrier 55 km/h 90° MDB EEVC, 950 kg	KNCAP Rigid 254 mm Pole 29 km/h 90°
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REAR

KNCAP
- Whiplash (static and dynamic)
- Occupant protection during rear crash by seats

IIHS RCAR BT.
- 5km/h / 10km/h
- Rigid barrier

IIHS RCAR ST.
- 15 km/h
- Rigid barrier

Pedestrian

KNCAP
- Several impactor tests (lower legform, adult/child headform)

AUSTRALIA

FRONT

ADR 69/00 Rigid barrier 48 km/h Hybrid III 50%	ADR 73/00 Deformable barrier 56 km/h Hybrid III 50%	ANCAP Deformable barrier 64 km/h Hybrid III 50%	IIHS RCAR BT. - 5km/h / 10km/h - Rigid barrier
			IIHS RCAR ST. - 15 km/h - Rigid barrier

ROOF
ANCAP
- Roof crush

SIDE

ADR 72/00 Moveable deformable barrier 50 km/h 90° MDB EEVC, 950 kg	ANCAP Moveable deformable barrier 50 km/h 90° MDB EEVC, 950 kg	ANCAP Rigid 254 mm Pole 29 km/h 90°
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REAR

ANCAP
- Whiplash (static and dynamic)
- Occupant protection during rear crash by seats

IIHS RCAR BT.
- 5km/h / 10km/h
- Rigid barrier

IIHS RCAR ST.
- 15 km/h
- Rigid barrier

Pedestrian

ANCAP
- Several impactor tests (upper/lower legform, Flex PLI, adult/child headform)

INDIA

FRONT

AIS 098 Deformable barrier 56 km/h Hybrid III 50%	BNVSAP - Program is expected to begin mid-2014 - Offset front crash, side, and rear impact tests will be required by 2017 - Cars will gradually have to meet more stringent norms such as pedestrian protection, whiplash injuries and child restraint systems standards and requirements	AIS 098 - 4 km/h; - 2.5 km/h - Low-speed-impact Test (notch test) - Pendulum
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SIDE

AIS 99/F
Moveable deformable barrier
50 km/h 90°
MDB EEVC, 950 kg

BNVSAP
- Program is expected to begin mid 2014
- Offset front crash, side, and rear impact tests will be required by 2017
- Cars will gradually have to meet more stringent norms such as pedestrian protection, whiplash injuries and child restraint systems standards and requirements

REAR

AIS 101
- 100% offset
- 35 km/h
- Rigid barrier

BNVSAP
- Program is expected to begin mid-2014
- Offset front crash, side, and rear impact tests will be required by 2017
- Cars will gradually have to meet more stringent norms and requirements

Pedestrian

GTR 9
- Several impactor tests (upper/lower legform, Flex PLI, adult/child headform)

Legal Crash Regulations

Consumer Crash Regulations

Insurance Ratings