Proposal of impact zone for headform impactor test

Definition of reference lines

Definition of impact zones

Definition of criteria

Proposal has to be confirmed by further test results

Definition of reference lines

The reference lines are addressed to the vector of the impact velocity of the headform impactor

The reference lines are defined in a longitudinal plane under the respective impact angle β

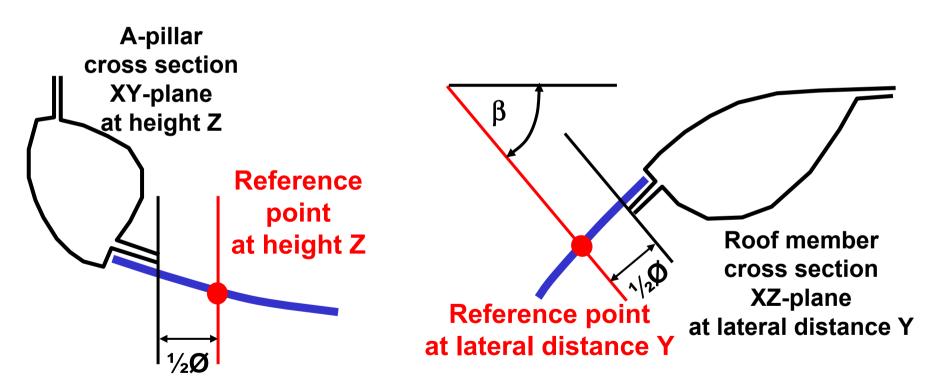
INF GR / PS / 071 OICA Possibility to define an impact zone in the windscreen / A-pillar area to fulfil HIC criteria

Definition of the side and upper reference lines:

Top view for side line

Side view for upper line

Page 3



INF GR / PS / 071 OICA Possibility to define an impact zone Page 4 in the windscreen / A-pillar area to fulfil HIC criteria **Definition of the lower reference line:** Low dashboard High dashboard Lower windscreen area side view side view cross section XZ-plane at lateral distance Y β ß Lower reference point at lateral distance Y **Bonnet** ~\2**0** Sphere: $\emptyset = 165$ mm Dash board **Bonnet Dash board**

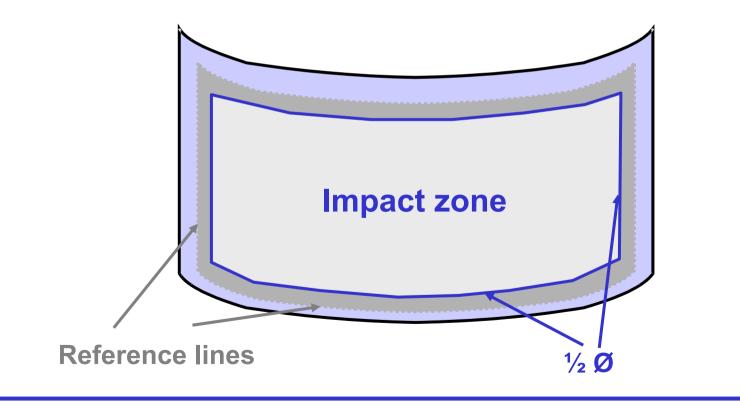
6th Meeting of INF GR PS

Paris, Feb. 24th – 26th, 2004

OICA Possibility to define an impact zone INF GR / PS / 071 Page 5 in the windscreen / A-pillar area to fulfil HIC criteria

Definition of impact zone:

$\frac{1}{2}$ Ø inside the reference lines



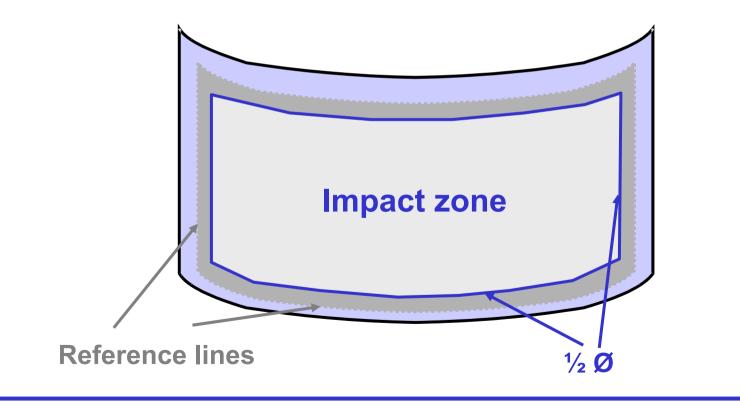
6th Meeting of INF GR PS

Paris, Feb. 24th – 26th, 2004

OICA Possibility to define an impact zone INF GR / PS / 071 Page 6 in the windscreen / A-pillar area to fulfil HIC criteria

Definition of impact zone:

$\frac{1}{2}$ Ø inside the reference lines

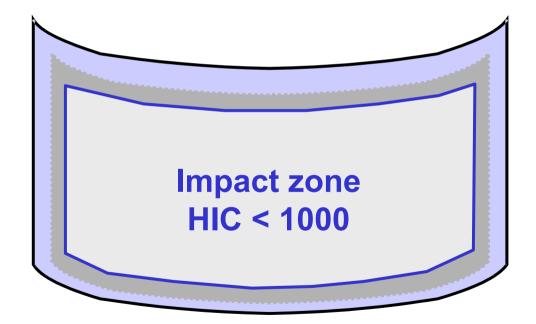


Paris, Feb. 24th – 26th, 2004

OICA Possibility to define an impact zone INF GR / PS / 071 Page 7 in the windscreen / A-pillar area to fulfil HIC criteria

Definition of HIC criteria:

HIC is less than 1000 in the impact zone



6th Meeting of INF GR PS

Paris, Feb. 24th – 26th, 2004