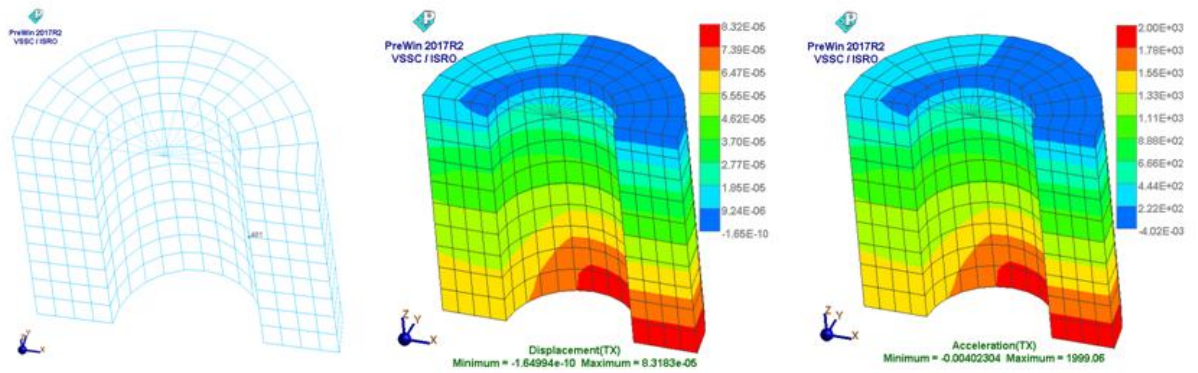


## Shock response analysis of a solid cylinder



**Material property :**  $E=200 \text{ GPa}, \nu = 0.3$ , Specific gravity=7.8

**Element types :** 8 node hexagonal element, Rigid link

**Finite element statistics :**

		Number of elements		Number of nodes	Degrees of freedom
		Hexa8	Rigid link		
<b>Finite element statistics</b>	<b>:</b>	480	13	716	2074

Results at node 481 in X direction			
	Displacement (mm)	Velocity (mm/s)	Acceleration (mm/s <sup>2</sup> )
FEAST <sup>SMT</sup>	3.86e-05	0.189	928.4
NASTRAN <sup>®</sup>	3.88E-05	0.190	934.2