

Table 1 The parameters of air and TNT for the CEL simulation model

Material	Type	Property	Value	Unit
Air	Density	Mass Density	1.29	kg/m3
	EOS	Specific gas constant	287	J/kgK
		Ambient pressure	101325	N/m2
	Specific heat	//	717.6	J/kgK
	Viscosity	//	6.92e ⁻⁰⁶	kg/s*m
TNT	Density	Mass Density	1630	kg/m3
		Detonation wave speed	6930	m/s
		A	37377e ⁰⁷	N/m ²
		B	37377e ⁰⁷	N/m ²
	JWL EOS	ω	0.35	//
		R ₁	4.15	//
		R ₂	0.9	//

Table 2 Maximum deflection result according to the simulation and Wang's test

	Wang's test	Simulation	Disparity
Max. deflection	35	39	10%