

 CivilFEM 2025 Only one Software for all your Civil Engineering needs March 20, 2026						
	INTRO	ADVANCED	EXPERT	NPP Addon	Student	University

General capabilities:						
Geometric modeler	✓	✓	✓	✓	✓	✓
IFC, IGES, Step, DXF, Parasolid Import	✓	✓	✓	✓	✓	✓
IGES, Step, DXF Export	✓	✓	✓	✓	✓	✓
Automatic mesher	✓	✓	✓	✓	✓	✓
Number of nodes	unlimited	unlimited	unlimited	unlimited	50,000	128,000
Number of elements 1D	unlimited	unlimited	unlimited	unlimited	1,000	128,000
Number of elements 2D	unlimited	unlimited	unlimited	unlimited	10,000	128,000
Material library	✓	✓	✓	✓	✓	✓
Cross-section library	✓	✓	✓	✓	✓	✓
Multi-language interface	✓	✓	✓	✓	✓	✓
Escalar and Vectorial Parametric modelling	✓	✓	✓	✓	✓	✓
Numerical expression evaluator	✓	✓	✓	✓	✓	✓
Linear combination	✓	✓	✓	✓	✓	✓
Path History Results	✓	✓	✓	✓	✓	✓
Results envelope	✓	✓	✓	✓	✓	✓
Macros with Python	✓	✓	✓	✓	✓	✓
QA according to ISO 9001	✓	✓	✓	✓	✓	✓
QA according to NRC 10 CFR PART 21 and 50				✓		
Clipping plane view	✓	✓	✓	✓	✓	✓
Result animations	✓	✓	✓	✓	✓	✓
Report Generator	✓	✓	✓	✓	✓	✓

Structural analysis:						
Static analysis	✓	✓	✓	✓	✓	✓
Linear transient analysis	✓	✓	✓	✓	✓	✓
Non-linear transient analysis	✓	✓	✓	✓	✓	✓
Modal analysis	✓	✓	✓	✓	✓	✓
Spectral seismic analysis	✓	✓	✓	✓	✓	✓
Linear buckling	✓	✓	✓	✓	✓	✓
Non-linear buckling		✓	✓	Advanced	✓	✓
Harmonic analysis	✓	✓	✓	✓	✓	✓
User Crack Data		✓	✓	Advanced	✓	✓
Non-linear reinforced concrete in solids		✓	✓	Advanced	✓	✓
Concrete time-dependent properties		✓	✓	Advanced	✓	✓
Concrete creep and shrinkage		✓	✓	Advanced	✓	✓
Non-linear strain-stress diagram (plasticity....)		✓	✓	Advanced	✓	✓
Drucker-Prager		✓	✓	Advanced	✓	✓
Mohr-Coulomb-2D, 3D		✓	✓	Advanced	✓	✓
Cam-Clay		✓	✓	Advanced	✓	✓
Non-linear elastic soil material		✓	✓	Advanced	✓	✓
Hyperbolic soil material		✓	✓	Advanced	✓	✓
Hoek & Brown (rocks)		✓	✓	Advanced	✓	✓
Contacts (glue and friction contacts)	✓	✓	✓	✓	✓	✓
Advanced contacts		✓	✓	Advanced	✓	✓
Non-linear springs / Dumpers (point, linear and surface)	✓	✓	✓	✓	✓	✓
Inserts	✓	✓	✓	✓	✓	✓
Cables	✓	✓	✓	✓	✓	✓
Large deflections and Large strains	✓	✓	✓	✓	✓	✓
Time evolutive analyses (non-linear construction processes)		✓	✓	Advanced	✓	✓
Connections	✓	✓	✓	✓	✓	✓
Initial state definition	✓	✓	✓	✓	✓	✓
Solid section definition	✓	✓	✓	✓	✓	✓
Water table definition		✓	✓	Advanced	✓	✓
Prestressed concrete		✓	✓	Advanced	✓	✓
Small Strain Brick Geotechnical Material Model		✓	✓	Advanced	✓	✓
Composite materials			✓	Expert	✓	✓

Steel Codes:						
Eurocode 3	✓	✓	✓	✓	✓	✓
British Standard 5950	✓	✓	✓	✓	✓	✓
AISC LRFD 13th edition	✓	✓	✓	✓	✓	✓
AISC LRFD 14th edition	✓	✓	✓	✓	✓	✓
AISC ASD 13th edition	✓	✓	✓	✓	✓	✓
AISC ASD 14th edition	✓	✓	✓	✓	✓	✓
AISC 15th edition	✓	✓	✓	✓	✓	✓
Chinese code GB50017	✓	✓	✓	✓	✓	✓
Structural Code (Spanish Code)	✓	✓	✓	✓	✓	✓
ASME BPVC Sect.III Div.1 SubSect NF (1989)				✓		
AASHTO LRFD Bridge Design Specifications (2012)	✓	✓	✓	✓	✓	✓
Indian Standard 800 (2007)	✓	✓	✓	✓	✓	✓
Other codes	On demand	On demand	On demand	On demand	On demand	On demand

Reinforced Concrete Codes:						
Eurocode 2 (EN 1992-1-1:2004/AC:2008)	✓	✓	✓	✓	✓	✓
ACI 318-05, ACI 318-14	✓	✓	✓	✓	✓	✓
Spanish code EHE 2008	✓	✓	✓	✓	✓	✓
British Standard 8110	✓	✓	✓	✓	✓	✓
Chinese code GB50010	✓	✓	✓	✓	✓	✓
Brazilian code NBR6118	✓	✓	✓	✓	✓	✓
AASHTO Standard Specifications for Highway Bridges	✓	✓	✓	✓	✓	✓
Indian Standard 456	✓	✓	✓	✓	✓	✓
ACI 349-06, ACI-349-13				✓		
ITER Structural Design Code for Buildings				✓		
Structural Code (Spanish Code)	✓	✓	✓	✓	✓	✓
Other codes	On demand	On demand	On demand	On demand	On demand	On demand

Thermal transfer:						
Steady state analysis			✓	Expert	✓	✓
Transient analysis			✓	Expert	✓	✓

Seepage analysis:						
Steady state analysis			✓	Expert	✓	✓
Transient analysis			✓	Expert	✓	✓