

Available functionalities

Advance Steel 2012 Packages

	Standard	Professional	Premium
MODELING			
• Create Structures over 10 tons*		✓	✓
• Structural elements, e.g. 3-hinged, portal frames and joists	✓	✓	✓
• 3- and 2-hinged frames	✓	✓	✓
• Straight beams, curved beams, compound beams, welded beams	✓	✓	✓
• Plates, folded plates, gratings, folded beams	✓	✓	✓
• Assemblies (straight stairs, railings, spiral stairs, cage ladders)	✓	✓	✓
• Shortening / Coping elements (shortening, cope, contour, miter cut)	✓	✓	✓
• Bolts, anchors, shear studs, holes	✓	✓	✓
• Advance modeling tools	✓	✓	✓
• Cladding	✓	✓	✓
• Concrete objects: beams, walls, slabs and footings	✓	✓	✓
• Timber objects: beams	✓	✓	✓
PREDEFINED JOINTS			
• Connections between structural elements: base plate joints, column-beam connections, beam-to-beam connections, purlin connections, bracing joints.	✓	✓	✓
• Steel connections checking according to forces: EC3, AISC-standards			✓
• Automatic joint creation	✓	✓	✓
• Quick-connections	✓	✓	✓
LIBRARIES			
• Cold and hot rolled profiles, folded beams	✓	✓	✓
• Materials: steel, concrete, timber and other materials, etc.	✓	✓	✓
• Bolts, nuts, washers	✓	✓	✓
• Shear studs	✓	✓	✓
• Anchors	✓	✓	✓
MODEL CHECKING			
• Collision check between elements, bolts and elements and between bolts	✓	✓	✓
• Location check for connecting elements (welds or bolts)	✓	✓	✓
• Construction tools access to check buildability	✓	✓	✓
• Consistency of elements numbering (fabrication, delivery and erection)	✓	✓	✓
• Holes and bolts distance checking	✓	✓	✓
NUMBERING			
• Numbering methods for parts and assemblies	✓	✓	✓
• User-defined numbering prefixes	✓	✓	✓
AUTOMATIC DETAILING			
• 3D and 2D views (plan and elevations)	✓	✓	✓
• Node details	✓	✓	✓
• Assemblies: details styles for columns, beams, bracings, plates	✓	✓	✓
• Parts: specific views, dimensions, labels	✓	✓	✓
LISTS			
• Lists on drawings: part lists, assembly lists	✓	✓	✓
• External lists: BOMs, assembly lists, saw cut lists, folded plate lists	✓	✓	✓
NC FILES			
• DSTV files	✓	✓	✓
• DXF files	✓	✓	✓
IMPORT / EXPORT			
• SDNF, PSS, CIS/2, IFC, KISS, STAAD	✓	✓	✓
• BIM synchronization with Advance Design and Revit	✓	✓	✓
MULTI USER			
• Possibility for several users to work together at the same time to create a model			✓

* Weight limit is calculated based on a standard steel density of 78.5 kN/m³ per object