

# Available functionalities

## Advance Steel 2010 packages

	STANDARD*	PROFESSIONAL	PREMIUM
<b>MODELING</b>			
• Straight and curved axes.	✓	✓	✓
• 3- and 2-hinged frames	✓	✓	✓
• Straight beams, curved beams, compound beams, welded beams, joists.	✓	✓	✓
• Plates, folded plates, gratings, folded beams.	✓	✓	✓
• Assemblies (stairs, railings, saddled stairs, spiral stairs, vertical ladders).	✓	✓	✓
• Shortening / Coping elements (shortening, cope, boring out cope, miter cut).	✓	✓	✓
• Bolts, anchor bolts, stud shears, holes.	✓	✓	✓
• Advance modeling tools.	✓	✓	✓
• Cladding.	✓	✓	✓
<b>PREDEFINED JOINTS</b>			
• 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, CM66, AISC, CISC standards.			✓
• Automatic creation of joints.	✓	✓	✓
• Quick-connections.	✓	✓	✓
<b>LIBRARIES</b>			
• Cold and hot rolled profiles, folded beams.	✓	✓	✓
• Materials: steel, other materials (concrete, wood, glass).	✓	✓	✓
• Bolts, nuts, washers.	✓	✓	✓
• Stud shears.	✓	✓	✓
• Anchor bolts.	✓	✓	✓
<b>MODEL CHECKING</b>			
• Collision check between elements, bolts and elements and between bolts.	✓	✓	✓
• Location check for connecting elements (welds or bolts).	✓	✓	✓
• Construction tools access to a specific part	✓	✓	✓
• Consistency of elements numbering (production, delivery and assembly).	✓	✓	✓
• Holes and bolts distance checking.	✓	✓	✓
<b>NUMBERING</b>			
• Numbering methods for parts and assemblies.	✓	✓	✓
• User-defined numbering prefixes.	✓	✓	✓
<b>AUTOMATIC DETAILING</b>			
• 3D and 2D views (plan and elevations).	✓	✓	✓
• Node details.	✓	✓	✓
• Assemblies: details styles for columns, beams, bracings, plates.	✓	✓	✓
• Parts: specific views, dimensions, annotations.	✓	✓	✓
<b>LISTS</b>			
• Lists on drawings: part lists, assembly lists.	✓	✓	✓
• External lists: BOMs, assembly lists, bolt lists, folded plate lists.	✓	✓	✓
<b>NC FILES</b>			
• DSTV files.	✓	✓	✓
• DXF files.	✓	✓	✓
<b>IMPORT / EXPORT</b>			
• SDNF, PSS, CIS/2, IFC, KISS, STAAD	✓	✓	✓
• BIM synchronization with Advance Design and Revit.	✓	✓	✓
<b>MULTI USER</b>			
• Possibility for several users to work together at the same time to create a model.			✓

\* Advance Steel 2010 **Standard** package is limited for a structure with a maximum weight of 10t.