

Bentley Speedikon Functionality Comparison

Functionality	Bentley speedikon Industrial V8i (SELECTseries 5)	Bentley speedikon Architectural V8i (SELECTseries 5)
Managing Project Data		
Project and site information	Yes	Yes
Repositories are located in ProjectWise database or in a file system workspace	Yes	Yes
Navigating by ProjectWise Explorer or built-in Project Manager	Yes	Yes
Easy access to non-graphical building model data with Project Editor utility	Yes	Yes
Project and model file archives including SMD utilities	Yes	Yes
Modeling		
Geometric data input and storage with engineering precision	Yes	Yes
Building coordinate system aligned to geo coordinates	Yes	Yes
Grid types (column grid, ceiling grid)	Yes	Yes
Reference planes for easy elevation changes	Yes	Yes
Architectural space concept (data, space boundaries, relationships)	Yes	Yes
Walls (single, layered, tilted, curtain, custom)	Yes	Yes
Windows, doors (by cell or scripted)	Yes	Yes
Industrial sectional doors, rolling shutters, rolling grilles	Yes	No
Floors, ceilings	Yes	Yes
Ramps, stairs, handrails	Yes	Yes
Platform stairs (straight, L-shaped, U-shaped)	Yes	No
Railing systems for platforms	Yes	No
Caged ladders	Yes	No
Gratings (standard and heavy duty)	Yes	No
Roofs (simple or scripted)	Yes	Yes
Skylights for smoke and heat extraction/exhaust systems	Yes	No
Model elements for several usage (by cell, form modelled, scripted, constrained)	Yes	Yes
Slabs, beams, columns	Yes	Yes
Framing details (braces, haunches)	Yes	No
Connection details (base and end plates, gusset plates)	Yes	No
Truss builder	Yes	No
Plate girders	Yes	No
Cross steel section columns	Yes	No
Space boundaries and containment	Yes	Yes
Automatic wall alignment to floor slabs and roof sections	Yes	Yes
Automatic column alignment to beams and slabs	Yes	Yes
Automatic opening creation if columns penetrate suspended ceilings	Yes	Yes
Important design properties: material, fire rating, thermal resistance, space temperature, sound reduction	Yes	Yes
Custom properties by attaching user defined attributes	Yes	Yes
Model complies with data requirements for clash detection	Yes	Yes
Tagging		
Model elements tagging controlled by attribute filters	Yes	Yes
Reporting		
Space reporting	Yes	Yes
Quantity take-off	Yes	Yes
Business data reports	Yes	Yes
Publishing		
Building models in IFC file format	Yes	Yes
Building models in PDF file format	Yes	Yes

Drawings in DGN file format	Yes	Yes
Drawings in native DWG, DXF file format	Yes	Yes
Building Annotation		
Dimensioning tool set	Yes	Yes
Model element associative labeling	Yes	Yes
Section markers	Yes	Yes
Exterior and interior elevation markers	Yes	Yes
Graphical symbols for safety signs according to ISO 7010	Yes	No
Drawing Production		
Drawing composition	Yes	Yes
Templates for ISO standard sheet sizes and non-standard sizes	Yes	Yes
Customizable title blocks	Yes	Yes
Floor plans, sections and elevations from model	Yes	Yes
Drawing generation controlled by display filters	Yes	Yes
Updating drawings by scheduled batch jobs	Yes	Yes
Drawing revisions	Yes	Yes
Plot files in PDF file format	Yes	Yes
Interfaces		
IFC export for design coordination	Yes	Yes
GBXML export for energy analysis	Yes	Yes
DGN import and export for slab, beam, wall perforators	Yes	Yes
STAAD export and import for steel structure analysis	Yes	No
SDNF export and import for steel structure detailing	Yes	No
Programming		
API for VBA	Yes	Yes
Macro scripting language	Yes	Yes