

Autodesk® Robot™ Structural Analysis Professional Release Comparison Matrix

LEGEND

- ✓ Supported Feature
- ENHANCED** Enhanced Feature
- NEW** New Feature

	2009	2010	2011
USABILITY			
Multiple Languages and Units for Global Markets	✓	✓	✓
Regional Settings	✓	✓	✓
Loads on Cladding Distribution	✓	✓	✓
Combinations Generation	✓	✓	✓
Open API	✓	✓	ENHANCED
Easier Access to Results	✓	✓	ENHANCED
Load Takedown	✓	✓	ENHANCED
Customer Involvement Program (CIP)			NEW
MODELING			
Background Drawings	✓	✓	✓
Typical Structures	✓	✓	✓
Rigid Links	✓	✓	✓
Building Design	✓	✓	ENHANCED
Advanced Finite Element Auto-Meshing Capabilities	✓	✓	ENHANCED
Steel Section Databases	✓	✓	ENHANCED
Releases	✓	✓	ENHANCED
3D Steel Frame Generator*			NEW
Advanced Shell and Solid Edition Using ASM			NEW
COLLABORATION			
Robot™ Spreadsheet Calculator	✓	✓	ENHANCED
Link with Autodesk® Revit® Structure	✓	✓	ENHANCED
Link with AutoCAD® Structural Detailing	✓	✓	ENHANCED
Link with Autodesk® Inventor®			NEW

	2009	2010	2011
ANALYSIS AND RESULTS			
Static linear	✓	✓	✓
Dynamic - Modal	✓	✓	✓
Dynamic - Spectral	✓	✓	✓
Harmonic	✓	✓	✓
Transient	✓	✓	✓
Nonlinear Transient	✓	✓	✓
Pushover	✓	✓	✓
Elasto-Plastic	✓	✓	✓
Frequency Response Function	✓	✓	✓
Cable Elements	✓	✓	✓
Advanced Diagrams	✓	✓	✓
Dynamic - Seismic	✓	✓	ENHANCED
Buckling	✓	✓	ENHANCED
Footfall	✓	✓	ENHANCED
Results for Stories	✓	✓	ENHANCED
Harmonic with Damping		✓	✓
Grouped Walls Results			NEW
New Multi-Threaded Calculation Solver			NEW
DESIGN			
Steel Codes	✓	✓	ENHANCED
Steel Connection Codes	✓	✓	ENHANCED
Reinforcement Codes	✓	✓	ENHANCED
Timber Codes	✓	✓	ENHANCED
Load Combinations Codes	✓	✓	ENHANCED
Snow and Wind Loads Codes	✓	✓	ENHANCED
Geotechnical Codes	✓	✓	ENHANCED
Common Steel Connections Definition		✓	✓
USER INTERFACE			
ViewCube®	✓	✓	✓
Help	✓	✓	ENHANCED
New Start Page			NEW
Layouts Unification and Simplification			NEW
InfoCenter			NEW

* Available to Subscription customers of Autodesk Robot Structural Analysis Professional during the term of their subscription.

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