

# Autodesk® Robot™ Structural Analysis Professional Release Comparison Matrix

## LEGEND

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

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

	2009	2010	2011
<b>ANALYSIS AND RESULTS</b>			
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
<b>DESIGN</b>			
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		✓	✓
<b>USER INTERFACE</b>			
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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