

STAAD.Pro 2007 New Features and Coming More :-

- New Start Page to access commonly accessed functions
- Enhanced Grid Tool to work with multiple grids, store for later use, reuse on other projects and use DXF files
- Fly-out toolbars to free up desktop real estate
- Physical Member Query
- In-plane area loads on plates to model friction loading
- Hot rolled channels can now be defined as front to front to complement the back to back definitions
- Automatic property calculation of User Provide Table (UPT) angle sections
- Tool to consolidate multiple property references
- Section property reduction in analysis to account for cracking
- Tension / compression only spring supports easier to define
- Enhanced ELASTIC MAT / PLATE MAT options
- P-Delta analysis including stress stiffening effect of the KG matrix
- P-Delta analysis including small Delta
- Modal Analysis including stress stiffening effect of KG Matrix
- Buckling Load analysis
- New Advanced Solver substantially faster for large model problems
- New Eurocode 3:2005 steel design
- New Beam and Column designs to the Russian Concrete code SP52
- New RAM Connection Design Mode to design steelwork connections with both basic and smart connections
- Enhanced link to AutoPipe with persistency of pipe models across STAAD.Pro sessions

RAM Concept Features List :-

- Elevated floors and mat foundations
- One-way and two-way slabs, pan joists, waffles, beams, girders
- Drop caps, drop panels and random thickenings of any shape at any location
- Imported CAD drawing as snapping background
- Banded, distributed and arbitrary tendons
- Fx, Fy, and Fz point, line, and area force loads
- Mx and My point, line, and area moment loads
- ASCE 7-02, AS/NZS 1170.1:2002, BS 6399-1:1996, IBC 2003, IS 875-1987, UBC 1997
- Automatically generated load combinations for each design code
- Automated layout of design spans
- Post-tensioned, reinforced, and hybrid concrete design
- ACI 318-99, ACI 318-02, AS 3600-2001, BS 8110-1997, IS 456-2000
- Design of SSR (studded shear reinforcement)
- Fully customizable professional reports
- Import of structure and loadings from STAAD
- Import and Export of CAD drawings
- Multiple and mixed unit systems (US, SI and MKS)

ProSteel 3D - 3D CAD Software for structural steel and metal work :-

Supported Forms	
✓ DSTV-NC	✓ SCIA ESA-PT
✓ DSTV-PPS	✓ Dlubal RSTAB
✓ Product interface Steel (DSTV)	✓ KISS
✓ SDNF	✓ PXF
✓ STAAD	✓ PS3 (ProSteel 3D)



- ProSteel 3D is a CAD Software for structural steel construction.
- You realize easily your construction and planning tasks.
- Based on the CAD-System AutoCAD and integrated worldwide compatible solution for your daily work.
- From first planning and design to the assembly ProSteel3D remains thereby your reliable partner.
- Profit from the 3D tools, the structural objects, the partslist and the 2D workshop.
- ProSteel 3D has more than 290 national and international shapetables with more than 20000 shapes.
- End plate, Base plate, Web angle, Shear plate, Splice joint, Haunch, Stiffener, Purlin connection etc. – any connection is easy to create and to adapt in an comfortable dialog.
- Interfaces to ERP-Systems you can optimize the machine control and your workshop preparation.
- Currently data exchange plays a decisive role in the communication between designer, structural engineer, architect and production department.