

Midas Weak Link Software

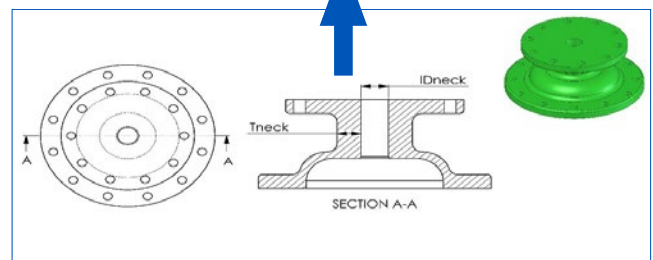
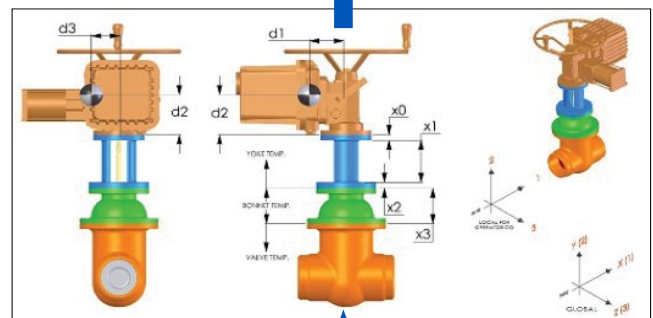
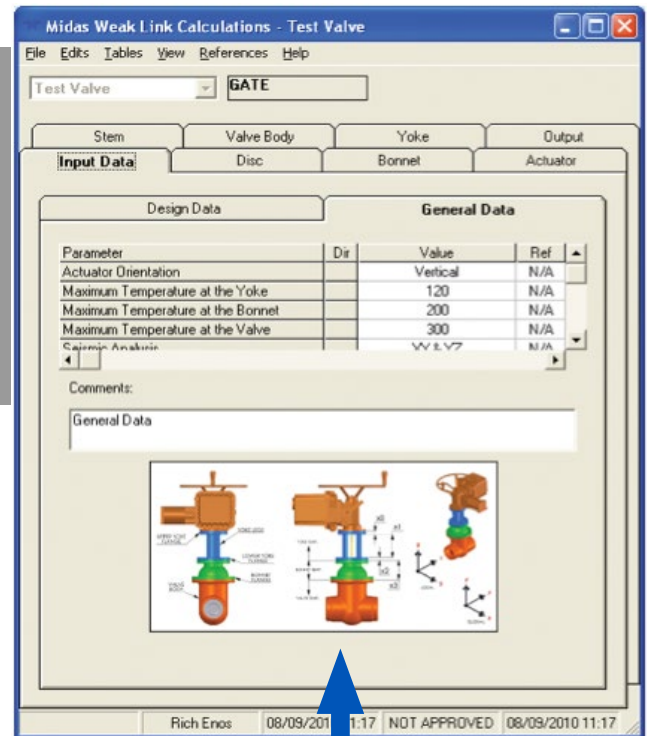
Software Description

Teledyne's MIDAS-WL (Weak Link) analysis software is designed to perform a structural evaluation of motor operated valves (MOV's) MIDAS-WL ensures that the methods used by personnel to perform and document structural evaluations are consistent with current utility procedures and acceptance criteria. Another major benefit to MIDAS WL is that the effects of potential design modifications can be readily and systematically evaluated by simply changing the affected component dimensions.

The User's Manual documents the required analysis inputs for individual component including for example:

- Stems
- Stem/Disc connections
- Discs
- Yoke Legs
- Flanges
- Actuator & Bonnet Bolts
- Bonnet & Valve Necks
- Bonnet/Valve Flange

Two seismic combination methods are available, 2D-ABS(XY&YZ) and 3D-SRSS(XYZ).



Valve Bonnet Neck Evaluation

MIDAS-WL is Appendix B – QA software that is controlled by the utility. The software is customized to use site-specific design acceptance criteria and material properties. Integral security features restrict access/change privileges so inputs can only be checked and verified by different users with the proper sign-off authority.

