

Over 30 Years' worldwide experience.

Pipe Supports Limited has over 30 years' experience of designing and supplying hanger systems for power stations, petrochemical complexes, pulp and paper mills and other industrial installations. ISO 9001 approved, PSL is establishing a reputation throughout the world for its ability to accurately analyse piping stress, then engineer, design and manufacture a cost-effective support system.

Global design and supply solutions.

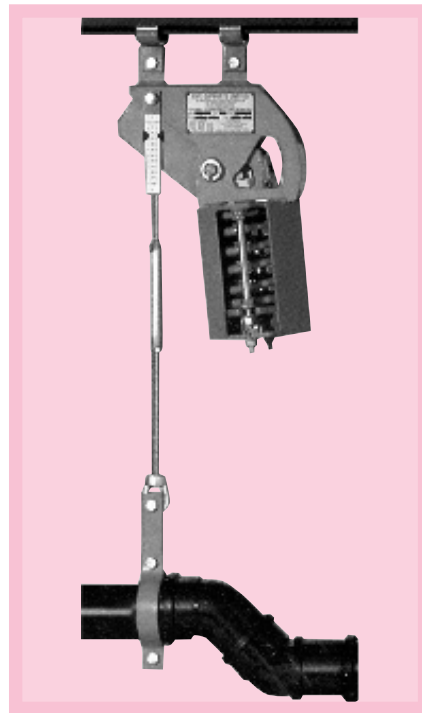
With design offices in the USA, Thailand, India, Japan and the UK utilising the most up-to-date engineering and design software we offer a fully co-ordinated service: stress analysis of pipework, hanger selection, design and detailing, manufacturing and contract management. This service will ensure cost-effective hanger systems, delivered in accordance with design requirements.

Stress analysis.

We use PC-based piping stress analysis programs. These software packages are engineering tools used in the mechanical design and analysis of piping systems. A model of the piping system is created using simple beam elements and the loading conditions imposed on the system are defined. From this input the software produces results in terms of deflections, loads and stresses throughout the system. In addition, they compare these results with the allowable limits. PSL spring hangers are automatically selected and sized within such programs. They can analyse any piping system for all normal and transient conditions, plus all possible modes of operation.



Production of detailed hanger drawings at Pipe Supports Limited.



Typical pipe hanger assembly.

Design of pipe hanger systems

To optimise this service, we have developed **PSLCAD**, a bespoke package that functions within the Autocad environment. It is designed to facilitate the selection, drawing and listing of all standard components, spring units and steelwork. This programme is also available for customers to use in-house, enabling them to maintain design responsibility, and at the same time achieve dramatic savings in man hours.

We also offer FastDraw, a selection and detailing program operating in MS Excel. Fast Draw provides the facility to select and detail over 400 hanger configurations including constant, variable and rigid assemblies. The output includes a consolidated hanger listing and individual support drawings, providing all relevant dimensions and system data. The program is available to customers and we are confident that dramatic time savings can be realised using this program.

For users of InterGraph, PDS and Bentley Plant Space Design — three dimensional modelling of Pipe Supports products is available using **SupportModeler** by Pelican Forge Software Corporation. www.pelicanforge.com

Surveys of existing pipe hanger systems

Our engineers are experienced in surveying existing systems reporting on their condition and making recommendations on their correct installation and future safe operation. Such surveys are increasingly being demanded by utilities and safety authorities.