Aerospace Industry Decision Support Tool

ESDU Aerostructures

Aerostructures Engineering Package

The Source
for Critical Information and Insight™

The ESDU Aerostructures Engineering package provides validated engineering design data, methods and software that form an important part of the design process for aerospace industry professionals.

The plethora of information available to engineers has made it almost impossible to source reliable and accurate data, methods or software quickly. Endorsed by professional institutions and validated by committees of world-renowned international experts ESDU has long been considered the world's premier source of validated design data and methods. ESDU is an analytical toolbox that provides aerospace engineers with a pre-eminent knowledge database, which includes the tools needed to help an engineer resolve design dilemmas and understand and implement complex analytical methods.

Available via the Internet, the ESDU Aerostructures Engineering package covers:

- Structural Analysis
- Fatigue Analysis
- Fracture Mechanics
- Stress Analysis
- Strength of Components
- Vibration and Acoustic Fatigue
- Composite Structures
- Metallic Material Properties

ESDU's key Customers include:

- Airbus
- BAE Systems
- Boeing
- Bombardier
- Dunlop
- Goodrich
- Honeywell
- Lockheed-Martin
- Northrop-Grumman
- Rolls-Royce
- SAAB
- USAF

IHS ESDU provides validated engineering design data, methods and software that form an important part of the design operation of companies large and small throughout the world. Available via the Internet, Intranet or PC network, ESDU's vast range of industry-standard tools are presented in over 1380 design guides with supporting software. Guided and approved by independent international expert Committees, and endorsed by key professional institutions, ESDU methods are developed by industry for industry.

Benefit from using ESDU by:

Achieving greater design accuracy

With ESDU, you are gaining a concentration of the world's knowledge – validated – to help ensure your design calculations are accurate. ESDU complements the other design tools you use, e.g. Finite Element and Computational Fluid Dynamics techniques, in-house design procedures, codes, standards, etc.

Saving time & meeting deadlines

While ESDU may not be the only design tool you need, it will save you valuable time and reduce the number of other sources previously referenced.

Preventing rework or redesigns

With the integrity and reliability of ESDU's content, your design is more likely to represent the final product than one based on less systematic and validated collections of information.

Keeping projects within budget

Because ESDU helps you move through the initial phases of development more efficiently, you are able to achieve the desired design on time and under budget.

Having design flexibility

Apply your skills and training with ESDU data and methods to explore design options and scenarios that lead to the best design.

Your complete ESDU subscription includes:

- Validated methods, equations, worked examples and associated software.
- Regular updates and amendments. As new methods are developed the content in your subscription expands.
- Customer support including direct access to ESDU engineers via telephone, e-mail and fax to help you gain maximum value from your subscription.

ESDU will quickly become one of the most valuable aerospace engineering design tools you will use!

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