

This is a listing of all the ESDUpacs[†], JAVApacs and VIEWpacs contained within the Structures Series. For an explanation of the terms ESDUpac, JAVApac and VIEWpac, see Data Item No. 04013.

<i>ESDUpac number and version</i>	<i>JAVApac number and version</i>	<i>VIEWpac number and version</i>	<i>Program Title</i>	<i>Associated Data Item</i>	<i>Volume</i>
A7616 v1.0	–	–	Generalised stress-strain curves. Calculation of stress corresponding to a strain or an f/E_t ratio.	76016	Volume 1
A9141 v1.0	J9141A v1.2	9141A v1.1	The statistical analysis of data from Normal distributions, with particular reference to small samples.	91041	
–	–	AMOPS v1.1	Computer program for the calculation of area and moments of area of planar shapes.	03005	
A9816 v1.2 B9816 v1.2	– –	9816A v1.2 –	Elastic buckling of flat isotropic stiffened panels and struts in compression.	98016	Volume 2
A0101 v1.2 B0101 v1.2	– –	0101A v1.2 –	Elasto-plastic buckling of flat isotropic stiffened panels and struts in compression.	01001	
A0301 v1.1 B0301 v1.1	– –	– –	Elastic buckling of long, flat, symmetrically-laminated (AsBoDf), composite stiffened panels and struts in compression	03001	
A9311 v1.0	J9311A v1.2	9311A v1.2	Flat rectangular orthotropic plates under uniformly distributed normal pressure. Elastic stresses and deflections for various forms of edge restraint.	93011	
A9330 v1.1	J9330A v1.2	9330A v1.2	Three-dimensional elastic stress concentration factors. Plain or countersunk holes in a wide flat plate subjected to tension, bending or pin loading.	93030	Volume 7
A9108 v1.0	–	–	Lugs under axial tensile loading: tensile rupture factor.	91008	Volume 8
A8521 v1.1	J8521A v1.2	–	Analysis of pretensioned bolted joints subject to tensile (separating) forces.	85021	
A0205 v1.0	–	0205A v1.0	Flat panels in shear-post buckling analysis.	02005	Volume 10
S1119 v1.0	J1119S v1.2	1119S v1.0	Local buckling and crippling of rectangular tube section struts	01.01.19	Volume 11

[†] **Provision of Source Code in ESDU Software**

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<i>ESDUpac number and version</i>	<i>JAVApac number and version</i>	<i>VIEWpac number and version</i>	<i>Program Title</i>	<i>Associated Data Item</i>	<i>Volume</i>
A9002A v1.3 A9002B v1.3	– –	– –	Struts: strength under flexural, local and inter-rivet buckling.	90002	
A7916 v2.1	J7916A v1.2	7916A v1.1	Inelastic shear stresses and strains in the adhesives bonding lap joints loaded in tension or shear.	79016	Volume 12
A8039 v1.0	J8039A v1.2	8039A v1.0	Elastic adhesive stresses in multistep lap joints loaded in tension.	80039	
A8147 v4.0	J8147A v1.2	8147A v2.0	Buckling of flat rectangular plates. (Isotropic, orthotropic and laminated composite plates and sandwich panels.)	81047	Volume 13
A9405 v1.0	J9405A v1.2	9405A v1.1	Buckling of flat rectangular orthotropic plates.	94005	
A9407 v1.0	J9407A v1.2	9407A v1.1	Elastic buckling of cylindrically curved laminated fibre reinforced composite panels with all edges simply-supported under biaxial loading.	94007	
A8501 v2.1	J8501A v1.2	8501A v1.0	Elastic stress and strain distributions around circular holes in infinite plates of orthotropic material.	85001	Volume 14
A8913 v1.1	J8913A v1.2	8913A v1.1	Transverse (through-the-thickness) shear stiffnesses of fibre reinforced composite laminated plates.	89013	
A9636 v1.0 B9636 v1.0	– –	– 9636B v1.1	Design of laminated plates subjected to in-plane loads and bending moments.	96036	
A0313 v1.0	–	–	Thickness selection for the flanges and web of a composite I-section beam subjected to bending and shear.	03013	
A8418 v6.0	–	8418A v2.0	Failure analysis of fibre reinforced composite laminates.	84018	Volume 15
A9103 v1.0	–	–	Delamination of tapered composites.	91003	
A9419 v1.0	–	9419A v1.1	Through-the-thickness stresses and failure in the corner radius of a laminated composite section.	94019	
A9812 v1.0	–	–	Flexibility of, and load distribution in, multi-bolt lap joints subject to in-plane axial loads.	98012	Volume 16