

Aluminium Forging Stock & Forgings

Typical Applications

- Aircraft components
- Architectural fascias
- Pressure vessels
- Irrigation
- Welded structures
- Offshore applications
- Welded tubes

Product Description

L44 benefits from good weldability and very good corrosion resistance, especially in seawater and industrial atmospheres. With good cold formability and medium to high fatigue strength, L44 aluminium is used in numerous applications in markets such as oil & gas, aerospace, marine and construction.

Key features

- Medium high strength alloy
- Very good weldability
- Very good corrosion resistance to seawater and industrial atmosphere
- Medium high fatigue strength
- Good cold formability

Availability

Bar

Corrosion resistance

Very good

Weldability

Good

Chemical Composition (weight %)

	Al	Mn	Fe	Mg	Cr	Si	Cu	Ti	Zn	Others
min	Bal	0.10		1.70						
max	Bal	0.50	0.50	2.40	0.15	0.40	0.15	0.15	0.15	0.15

Mechanical Properties

Proof Stress	60 Min MPa
Elongation A50 mm	14 Min %
Elongation A 5.65√S0	16 Min %
Tensile Strength	170 Min MPa

Technical Assistance

Our knowledgeable staff backed up by our resident team of qualified metallurgists and engineers, will be pleased to assist further on any technical topic.

UK Service Centres:

Smiths Belfast 02895 908 897
 Smiths Biggleswade 01767 604 704
 Smiths Birmingham 0121 728 4940
 Smiths Bristol 0117 971 2800
 Smiths Chelmsford 01245 466 664
 Smiths Gateshead 0191 469 5428
 Smiths Horsham 01403 261 981

Smiths Leeds 0113 307 5167
 Smiths Manchester 0161 794 8650
 Smiths Norwich 01603 789 878
 Smiths Nottingham 0115 925 4801
 Smiths Redruth 01209 315 512
 Smiths Verwood 01202 824 347
 Main Office 0845 527 3331

Quality & Testing:



www.smithmetal.com info@smithmetal.com