

7050 Aluminium Forgings

Smiths Advanced Metals

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Aluminium Forging Stock

Grade 7050 covers an aluminium alloy in die forgings, hand forgings, and forging stock.

7050 is a popular high strength alloy with good corrosion resistance, good anodising properties and good workability.

Ordinarily, forging stock is supplied in the "F" temper. It is called forging stock to avoid confusion with bar and rod products of the same alloy produced to meet other fabrication requirements.

7050 forgings find use in load-bearing structural parts such as aerostructures and should be considered for applications where high strength and good fracture toughness are a requirement.

We offer 7050 aluminium forgings in a wide range of sizes and tempers (including F, O-annealed, O1, and T73 tempers).



Grades / Specifications

- AMS4108
- AMSA22771
- AMS QQ A 367

Technical sales support:

To discover more about the [7050 aluminium forging stock](#) and for other technical advice, contact Smiths Advanced Metals today. We offer comprehensive metallurgical support via our [UKAS Accredited Testing Laboratory](#).

Key Applications

- Aircraft frames
- Helicopter parts
- High technology applications

Benefits

- High strength
- Good resistance to stress corrosion
- Good workability

Chemical Composition (weight %)

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Zr	Others (ea)	Others (total)	Al
min.			2.00		1.90		5.70		0.08			Rem
max.	0.12	0.15	2.60	0.10	2.60	0.04	6.70	0.06	0.15	0.05	0.15	

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