

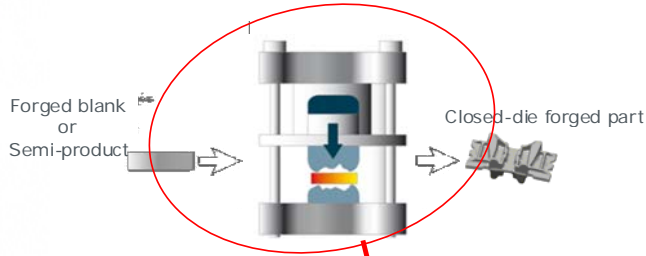
AUBERT&DUVAL



CLOSED-DIE FORGINGS

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Closed-die forging: Shaping of complex parts from a metal blank between two engraved tools



65KT Press (Issoire)



40KI Press (Pamiers)



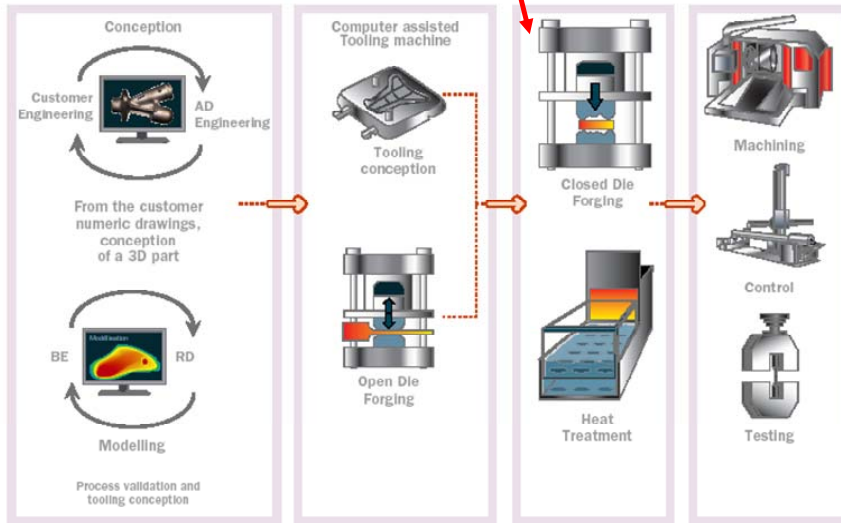
Structural aircraft parts



A380 Spar



Landing gear



ALLOYS	GROSS WEIGHT MIN (Kg)	GROSS WEIGHT MAX (Kg)	MOQ (Kg)	COMMENTS
ALUMINUM	50	2000	-	Possibilities of multi-components die (e.g. 5 parts of 10Kg for a given die) If weight > 2000kg ask the Market Manager
STEEL	25	20 000	8 000	Standard Steels (NC40SW-819B-819AW...)
	25	20 000	2 500	Nitriding & Carburizing steels - Special & Steel under development (e.g. MLX17-MLX19)
SUPERALLOYS	25	20 000	-	
TITANIUM	40	2 000	2 000	Standard (e.g. TA6V-TA6VPQ) & Special Titanium (e.g. Ti1023-Ti5553...)

Maximum weights are purely indicative : if larger parts , please check with Market Manager

If RFQ is related to an outsourced grade the minimum to be ordered is higher (40t and above), then ask the Market Manager in charge

SHAPES AND DELIVERY CONDITIONS

HEAT TREATMENT :

- Annealed
- Solution Treated
- Thermo-Mechanical Treatment
- Quenched, compressed and aged (aluminium alloys)
- Quenched and tempered
- Solution Treated and Aged

ALUMINUM Special Feature : STRESS RELIEVING: A&D is a leader in optimization of stress relieving allowing to machine pieces without strains, and to build a lean machining process due to the low residual stress level

SURFACE CONDITIONS :

- Machining
- Premachining
- Rough machining

MARKING and NDT inspection according to Customers specifications