



# **OPEN DIE FORGINGS IN ALUMINUM ALLOYS**

110307



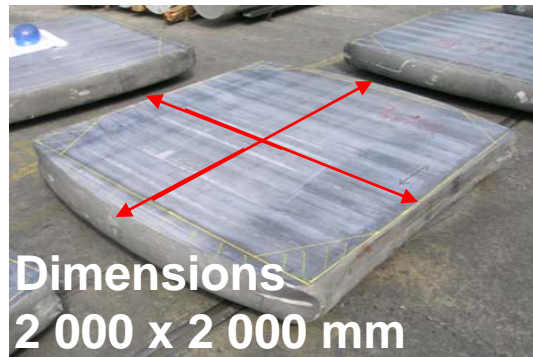
- MARKETS :
  - non aeronautic part ...
- ALLOYS :
  - Series :
    - 2000 Al + Cooper (2214,2050,2618) ⇒ AERONAUTIC
    - 5000 Al + Magnesium (5083) ⇒ LAND & SEA TRANSPORTATION
    - 6000 Al + Magnesium + Silicon (6061) ⇒ PARTS FOR WELDING
    - 7000 Al+ Zinc + Magnesium + Copper (7010,7050,7175) ⇒ AERONAUTIC
- DELIVERY CONDITIONS :
  - F As forged
  - 01 Quenched with Air cooling
  - T 6 Quenched and Aged
  - T 652 Quenched, compressed and Aged
  - Pre-machining capabilities
- Marking & NDT inspection according to Customer Specification



<b>SHAPE</b>	<b>Dia mini (mm)</b>	<b>Dia max (mm)</b>	<b>Thickness mini (mm)</b>	<b>Thickness max (mm)</b>	<b>Width mini (mm)</b>	<b>Width max (mm)</b>	<b>Length mini (mm)</b>	<b>Length max (mm)</b>	<b>Weight max (Kg)</b>
<b>Round bars</b>	<b>100</b>	<b>900</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1000</b>	<b>7000</b>	<b>6500</b>
<b>Squares and Blocks</b>	<b>-</b>	<b>-</b>	<b>80</b>	<b>750</b>	<b>160</b>	<b>2000</b>	<b>1000</b>	<b>8000</b>	<b>6500</b>
<b>Disks</b>	<b>500</b>	<b>1700</b>	<b>100</b>	<b>1000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6500</b>
<b>Complex Shape</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>750</b>	<b>-</b>	<b>2500</b>		<b>8000</b>	<b>6500</b>

- SQUARED BARS AND BLOCKS:

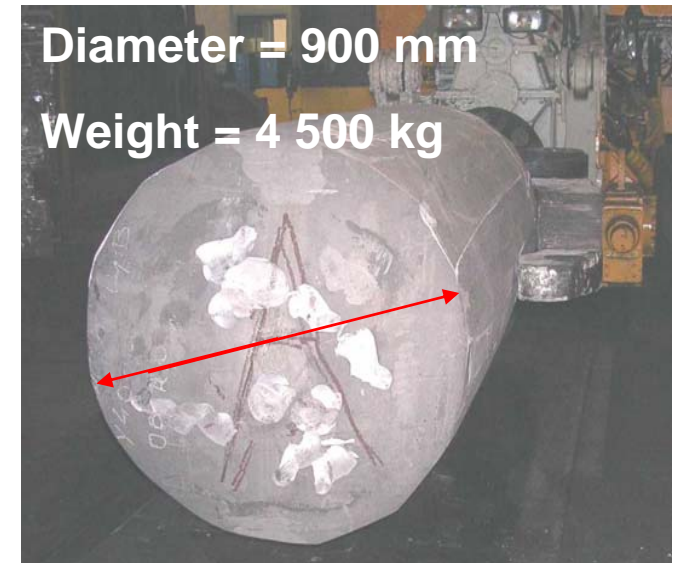
Thickness	Width	Length	Max Weight
80 → 750 mm	160 → 2 000 mm	1 000 → 8 000 mm	6 500 kg





- LONG CYLINDERS:

Diameter	Length	Max Weight
∅ 100 → ∅ 900 mm	1 000 → 7 000 mm	6 500 kg



- ROUND FORGINGS:

Thickness	Diameter	Max Weight
100 → 1 000 mm	∅ 500 → ∅ 1 700 mm	6 500 kg

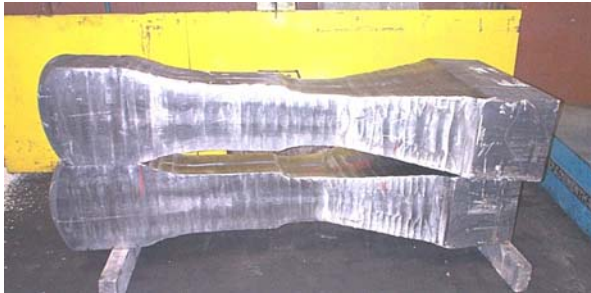


**Diameter = 1 600 mm**

**Weight = 2 300 kg**



- COMPLEX FORGED:



Thickness (mm)	Width (mm)	Length (mm)	Max Weight (Kg)
$\leq 750$	$\leq 2000$	8000	6500





## Forged Aluminium Glossary

- COMPLEX FORGED

Thickness (mm)	Width (mm)	Length (mm)	Max Weight (Kg)
<=750	<=2000	8000	6500



Length = 6 000 mm

Weight = 2 200 kg

(pictures with no scale)

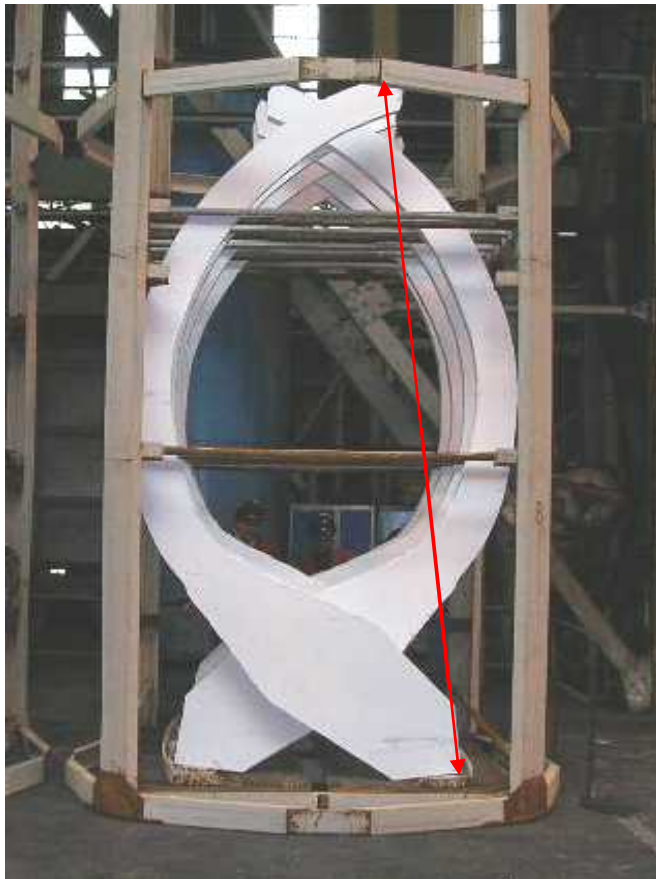


## Forged Aluminium Glossary

- **COMPLEX FORGED:**

High = 4 000 mm

Weight = 300 kg

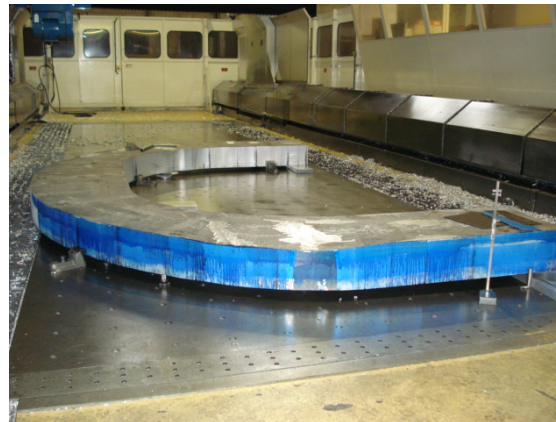


Thickness (mm)	Width (mm)	Length (mm)	Max Weight (Kg)
<=750	<=2000	8000	6500



Length = 3 000 mm

Weight = 230 kg



(pictures with no scale)