

General Specifications

- Aeronautic quality precision Cr-Moly tube manufactured by par Osborn Metals.
- Seamless cold drawn tubes
- OASIS Identification : 6127818124
- AS 9100 / EN9100 / JISQ 9100
N° 00017787
- Approved by par Airbus, Airbus Helicopters



Applications

- These tubes are dedicated to very specific aeronautic applications
- Examples of use cases :
 - Helicopter landing gear

Material Spec & Norms

- 35CD4 aeronautic quality
- Cleanliness [Class 2 / AIR 0819](#)
- Chemical composition WL W.-Nr. ~ 1.7220/1.2330
- Manufactured acc. ASNA 3115- ASNA 3116 - AIR 9160

Mechanical Characteristics

- Annealed: Hardness $\leq 96\text{HRb}$ $R_m \leq 750\text{MPa}$
- TR1080 : Hardness $\geq 33\text{HRc}$
 $1080\text{MPa} \leq R_m \leq 1200\text{MPa}$
 $960\text{MPa} \leq R_{p0,2\%} \leq 1120\text{MPa}$ $A\% \geq 12\%$
- TR1350 : Hardness $\geq 410\text{HV}$
 $1350\text{MPa} \leq R_m \leq 1450\text{MPa}$
 $1230\text{MPa} \leq R_{p0,2\%} \leq 1350\text{MPa}$ $A\% \geq 8\%$

	C	Si	Mn	S	P	Cr	Ni	Mo
Min	0,32	0,15	0,60	$\leq 0,020$	$\leq 0,025$	0,90	$\leq 0,40$	0,20
Max	0,37	0,40	0,80			1,20		0,30

Specificities

- 100 % Defect inspection by Eddy current testing
- Tubes are marked on the O/D as
[35CD4-30x2-PV A22/007](#)
- Tubes are delivered descaled, phosphatized and oiled
- Guaranteed full traceability
- Approval Airbus [ARP-ID 161592](#)
- Airbus Helicopters : [autorization L030 03-002](#)

Options

- Linished and oiled finish