

General Specifications

- High performance aeronautic quality Cr-Moly-Vanadium tubes manufactured by Osborn Metals.
- Seamless cold drawn tubes
- OASIS Identification : [6127818124](#)
- [AS 9100 / EN9100 / ISQ 9100 N° 00017787](#)



Material Spec & Norms

- 15CDV6 Aerospace quality
- Cleanliness [Class 2 / AIR 0819](#)
- Chemical composition [WL W.-Nr. 1.7734](#)
- Manufactured acc. [ASNA 3114 – ASNA 3108 ASNA 6078 – ASNA 6079 – AIR 9160 – Werkstoff WL 1.7734/3/4/5 – Dassault C.R. 1.3.0.26](#)

Applications

- These tubes are dedicated to high performance aeronautic applications and special applications requesting specifically this standard.
- Examples of use cases :
 - Drive shafts
 - Landing gears
 - Struts
 - Structural tubes
 - Cable Routings

Mechanical Characteristics

- Annealed: [Hardness ≤ 87HRb Rm ≤ 610MPa](#)
- TR700 : [Hardness ≥ 222HV Rm ≥ 700MPa Rp0,2% ≥ 550MPa A% ≥ 12%](#)
- TR880 : [Hardness ≥ 94HRb 880MPa ≤ Rm ≤ 1080MPa Rp0,2% ≥ 680MPa A% ≥ 12%](#)
- TR980 : [Hardness ≥ 29HRc 980MPa ≤ Rm ≤ 1180MPa Rp0,2% ≥ 790MPa A% ≥ 10%](#)
- TR1080 : [Hardness ≥ 33HRc 1080MPa ≤ Rm ≤ 1280MPa Rp0,2% ≥ 930MPa A% ≥ 10%](#)

	C	Si	Mn	S	P	Cr	Mo	V
Min	0,12	≤ 0,20	0,80	≤ 0,015	≤ 0,020	1,25	0,80	0,20
Max	0,18		1,10			1,50	1,00	0,30

Specificities

- 100 % Defect inspection by Eddy current testing
- Tubes are marked on the O/D as :
[15CDV6-30x2-PV A22/007](#)
- Tubes are delivered descaled, phosphatized and oiled
- Guaranteed full traceability
- Airbus Agreement [ARP-ID 161592](#)
- Airbus Helicopters : authorization [L030 03-002](#)
- Safran Helicopter Engines : [Supplier N°20000789](#)

Options

- Linished and oiled finish