

## General Specifications

- High performance aeronautic quality Cr-Moly-Vanadium tubes manufactured by Osborn Metals.
- Seamless cold drawn, quenched and tempered tube
- Good bending performance, good weld ability
- Excellent mechanical characteristics
- Thanks to the high level of cleanliness, the material is very homogenous, very strength and fatigue resistant.

## Material Spec & Norms

- 15CDV6 Aerospace quality
- Cleanliness Class 2 / AIR 0819
- Chemical composition WL W.-Nr. 1.7734
- Tolerances acc. to EN10305-1 (or better on demand)

## Applications

- These tubes are quite adapted to motorsport and to the most demanding applications where performance, lightweight and safety are necessary.
- Examples of use cases :
  - Roll cages
  - Anti-roll bars
  - Steering columns
  - Struts

## Mechanical Characteristics

- Tensile strength:  $R_m \geq 1000 \text{ MPa}$
- Yield strength:  $R_{p0,2\%} \geq 800 \text{ MPa}$
- Elongation:  $A\% \geq 12 \%$
- Usual bending capability:  $R_{\text{mini}} = 4 * \varnothing^*$
- \* Can vary depending on diameter & thickness

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

## Specificities

- 100 % Defect inspection by double Eddy current testing
- Tubes are marked on the O/D as :  
GT1000-30x2-PV B21/007
- Tubes are delivered descaled, phosphatized and oiled
- Guaranteed full traceability

## Options

- The GT1000 is delivered quenched and tempered according to 1,7734,5 (T980). On demand, Osborn Metals can manufacture 15CDV6 tubes according to other standards like : 1,7734,3 (+A), 1,7734,4 (T700), 1,7734,6 (special T1200 – GTV1200)
- Linished & oiled