

General Specifications

- Precision Carbon Manganese tubes for motorsport and other high performance demanding applications.
- Aeronautic quality tubes
- Very good weld ability, good bending performance, good toughness and consistency
- Seamless & cold drawn tube

Applications

- These tubes are dedicated to motorsport applications requesting a high level of performance and quality.
- Examples of use cases :
 - Roll cages
 - Anti-roll bars
 - Go-kart chassis
 - Struts

Material Spec & Norms

- Aeronautic T45 quality
- Cleanliness BS S100
- Manufactured acc. British Standard Aerospace BS T45, B T100

Mechanical Characteristics

- Tensile strength: $900\text{MPa} \geq R_m \geq 700\text{ MPa}$
- Yield strength: $R_{p0,2\%} \geq 620\text{ MPa}$
- Elongation: $A\% \geq 15\%$
- Usual bending capability: $R_{\text{mini}} = 3 * \text{Øe}^*$
- * Can vary depending on diameter & thickness

	C	Si	Mn	S	P	Cr	Ni	Mo
Min	0,17	0,10	1,30	$\leq 0,040$	$\leq 0,040$	$\leq 0,25$	$\leq 0,40$	$\leq 0,10$
Max	0,25	0,35	1,70					

Specificities

- 100 % Defect inspection by Eddy current testing
- Tubes are marked on the O/D as :
4T45-30x2-PV B21/155
- Tubes are delivered descaled, phosphatized and oiled
- Guaranteed full traceability

Options

- Linished & oiled