

15CDV6 ALLOY STEEL

15CDV6 is a low carbon alloy steel with very good yield strength. It also has very good toughness and excellent weldability. Welding can be achieved without subsequent heat treatment and with negligible loss of properties.

Related Specs - W.Nr 1.7734, AIR 9160C, GT1000

Specific Gravity								
7.8 g/cm3								
Typical Applications					Related Specifications			
Roll Cages Pressure Vessels Rocket Motor Casings Subframes Track and Push rods Wishbones Uprights					W.Nr 1.7734 AIR 9160C GT1000			
Chemical Composition (Wt %)								
	C	Si	Mn	S	P	Cr	Mo	V
Min	0.12	–	0.80	–	–	1.25	0.80	0.20
Max	0.18	0.20	1.10	0.015	0.020	1.50	1.00	0.30
Mechanical Properties								
	0.2% Proof Stress	Tensile Strength	Elongation	Hardness				
Condition	MPA (min)	MPA (min)	%	HB				
1.7734.2 (Annealed)	–	–	–	197				
1.7734.4	550	700	13	207				

1.7734.5	790	980-1180	11	293-352
1.7745.6	930	1080-1250	10	231-363

* This data has been supplied in good faith and is indicative only. It has been provided for general information purposes only and is not to be relied upon in place of the full specification. Mechanical properties can vary considerably with different supply conditions such as heat treatment or temper and product dimensions.

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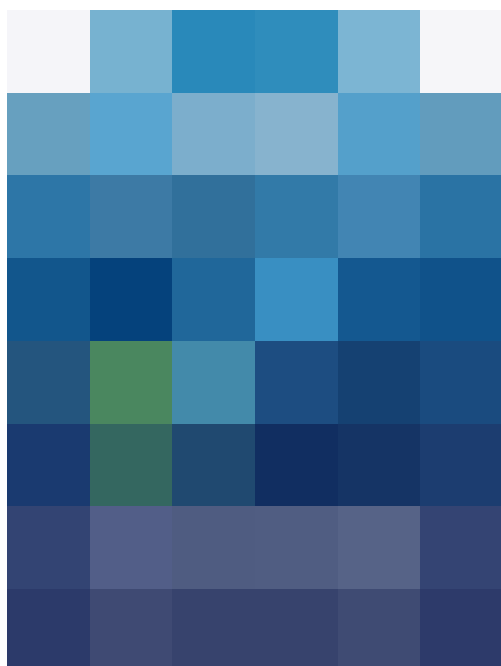
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