

15CDV6

Technical Datasheet



Service. Quality. Value.

Chromium-Vanadium Heat Treatable Steel

Typical Applications

- Pressure vessels
- Wishbones
- Uprights
- Suspension components
- Motorsport applications
- Track and push rods
- Rocket motor casings
- Roll cages

Key features:

- Chromium-Vanadium steel
- Easily welded
- Heat treatable
- Does not require localised heat treatment after welding
- Outstanding yield strength
- Good toughness

Product Description

A chromium-molybdenum-vanadium heat treatable steel with high strength after heat treatment (1080-1280 N/mm²). Easily welded and does not require localised heat treatment after welding. 15CDV6 benefits from a combination of outstanding yield strength and good toughness.

Weldability

Excellent

Availability

Tube

Chemical Composition (weight %)

	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

Condition	0.2% Proof Stress	Tensile Strength	Elongation	Hardness
1.7734.2 (Annealed)	-	-	-	197 HB
1.7734.4	550 MPA Min.	700 MPA Min.	13 % Min.	-
1.7734.5	790 MPA Min.	980-1180 MPA Min.	11 % Min.	-
1.7734.6	930 MPA Min.	1080-1250 MPA Min.	10 % Min.	-

Technical Assistance

Our knowledgeable staff backed up by our resident team of qualified metallurgists and engineers, will be pleased to assist further on any technical topic.

www.smithmetal.com

sales@smithmetal.com

Biggleswade 01767 604604	Birmingham 0121 7284940	Bristol 0117 9712800	Chelmsford 01245 466664	Gateshead 0191 4695428	Horsham 01403 261981	Leeds 0113 3075167
London 020 72412430	Manchester 0161 7948650	Nottingham 0115 9254801	Norwich 01603 789878	Redruth 01209 315512	Verwood 01202 824347	General 0845 5273331



1930

All information in our data sheet is based on approximate testing and is stated to the best of our knowledge and belief. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of trading. © Smiths Metal Centres 2018

