

# 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/mm<sup>2</sup>). 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.

#### UK Service Centres:

Smiths Belfast **02895 908 897**  
 Smiths Biggleswade **01767 604 704**  
 Smiths Birmingham **0121 728 4940**  
 Smiths Bristol **0117 971 2800**  
 Smiths Chelmsford **01245 466 664**  
 Smiths Gateshead **0191 469 5428**  
 Smiths Horsham **01403 261 981**

Smiths Leeds **0113 307 5167**  
 Smiths Manchester **0161 794 8650**  
 Smiths Norwich **01603 789 878**  
 Smiths Nottingham **0115 925 4801**  
 Smiths Redruth **01209 315 512**  
 Smiths Verwood **01202 824 347**  
 Main Office **0845 527 3331**

#### Quality & Testing:



[www.smithmetal.com](http://www.smithmetal.com) [info@smithmetal.com](mailto:info@smithmetal.com)

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.