

15CDV6 Steel

Smiths High Performance



Revision: SHP/english/datasheets/15cdv6/12.02.2025

Page: 1 of 1

Heat-Treatable Steel

15CDV6 is a chromium, molybdenum, and vanadium heat-treatable steel with high tensile strength after heat treatment (1080 - 1280 N/mm²).

The alloy is easily welded and does not require localised heat treatment after welding. 15CDV6 combines outstanding yield strength with good toughness. In motorsport applications, the product offers a cost-effective solution in areas where a combination of high strength and excellent weldability is required.



Chemical Composition

Weight (%)	C	Si	Mn	P	S	Cr	Mo	V
Min.	0.12		0.80			1.25	0.80	0.20
Max.	0.18	0.20	1.10	0.020	0.015	1.50	1.00	0.30

Mechanical Properties (typical)

Condition	0.2% Proof Stress	Tensile Strength	Elongation	Hardness
1.7734.2 (Annealed)	-		-	197HB
1.7734.3	550 MPa min	700 MPa min	13% min	-
1.7734.4	790 MPa min	980 - 1180 MPa min	11% min	-
1.7734.5	930 MPa min	1080 - 1250 MPa min	10% min	-

Characteristics:

- Chromium Vanadium Steel
- Easily welded
- Outstanding yield strength
- Good toughness
- Heat treatable

Applications:

- Suspension components
- Track and pushrods
- Roll cages
- Uprights and wishbones



About Smiths High Performance

Smiths High Performance is a leading stockholder and supplier of high-performance engineering materials. We are material supply chain partners supporting high-technology market sectors.

www.smithshp.com
info@smithshp.com


Unit 3, Juno Place
Stratton Business Park
Biggleswade SG18 8XP

Tel: +44 (0)1767 604 708



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.