

High-Carbon, High-Chromium, Cold Work Steel



D2, D3 Tool Steel

Apart from **D3 steel** all group D steels have 1% Mo and are air hardened. Type **D3 steel** is oil-quenched; though small sections can be gas quenched after austenitization using vacuum. ... Type **D2 steel** is the most commonly used **steel** among the group D steels. The **D3** steels contain 1.5 to 2.35% of carbon and 12% of chromium.

HCHCR-D2 steel is Cold Work **Steel** with High Carbon High Chromium contents. The Quality with high wear resistant and toughness properties due to Vanadium addition of 0.90% . Normally it supply condition is an Annealed and will offer hardness to reach 57-59 HRC. It can be machinable in the annealed condition.

Chemical Composition

The following table shows the chemical composition of D3 tool steels.

Element	Content (%)
C	2.00-2.35
Mn	0.60
Si	0.60
Cr	11.00–13.50
Ni	0.30
W	1.00
V	1.00
P	0.03
S	0.03
Cu	0.25