



## HS 2714

### HIGH HEAT RESISTANCE HOT FORGING DIE STEEL

#### Introduction

HS 2714 is chromium-nickel-molybdenum-vanadium alloy steel with good hardenability, toughness, and thermal resistance. After quenching and tempering, the steel has good overall performance, uniformity and compactness, as well as high wear resistance and thermal fatigue resistance, and small deformation.

#### Chemical properties

Steel Grade	C	Si	Mn	P	S	Cr	Ni	Mo	V
HS 2714	0.53-0.60	0.10-0.30	0.75-0.90	≤0.020	≤0.010	1.00-1.20	1.50-1.80	0.45-0.55	0.07-0.12

#### Application

- Hot forging tools
- Extrusion tools, such as pillows, mandrel, sleeves, mold seats and backing plates
- Hot shearing, thermoforming and hot compressing tools

#### Features

- High toughness
- High resistance to high thermal stress
- Good dimensional stability after heat treatment.
- Good hardenability
- High polishing performance.
- Suitable for surface treatment.
- Soft annealing, hardness ≤248HB; quenching and tempering 36-52HRC.