

## Hot Work Tool Steel

- **Similar Steels**

AISI	ANFOR	B.S.	DIN	JIS
H13	A35-590 3433	BH13	1.2344	SKD61

- **Chemical Composition**

(wt%)

C	Si	Mn	P	S	Cr	Mo	V
0.32 0.42	0.80 1.20	MAX 0.50	MAX 0.030	MAX 0.030	4.50 5.50	1.00 1.50	0.80 1.20

Remark: Cu: max. 0.25% Ni: max. 0.50%

- **Characteristics**

1. High toughness, good wear resistance, high strength at elevated temperature,
2. Fine grain size with high toughness
3. High cleanliness.

- **Application**

For highly stressed hot work tools:

1. Extrusion Industry: Die container for extrusion
2. Forging industry: Forming Die
3. Die casting: Die for Die-Casting
4. Screw Industry: Tool for manufacture of screw, nut



- **Heat Treatment**

1. Annealing - Heating slowly and uniformly to 800~850°C, furnace cooling to 600°C at a rate 10~20°C/h. Hardness HB 229 max
2. Stress Relieving - 650~700°C, furnace cooling.