



Hot Work Tool Steel (1.2367)

- **Similar Steels**

GMTC	ISO
1.2367	X38CrMoV5-3

- **Chemical Composition**

(wt%)								
Grade	C	Si	Mn	P	S	Cr	Mo	V
1.2367	0.35	0.30	0.30	Max.	Max.	4.80	2.70	0.40
	0.40	0.50	0.50	0.030	0.020	5.20	3.20	0.60

- **Characteristics**

1. Second carbide precipitation phase with high Mo content can increase the high-temperature strength and resist temper soften of material.
2. High toughness.
3. Good dimensional stability.
4. Good thermal stabilizing and high-temperature fatigue strength

- **Application**

1. Hot forging mold
2. Extrusion mold

- **Mechanical Property**

Items	Annealed
Hardness (HBW)	229 max.

- **Heat treatment**

Hardening—

Austenitizing: Heating to approx. 1030~1070°C.(Reference Temperature)

Quenching method: Air or oil cooling.

Tempering—500~650°C. (Reference Temperature) Executing two or more times of tempering