



Hot Work Tool Steel (H13(M))

- **Similar Steels**

GMTC		
H13(M)	~1.2345	~X50CrMoV5-1

- **Chemical Composition**

(wt%)								
Grade	C	Si	Mn	P	S	Cr	Mo	V
GMTC	0.47	0.94	0.31	Max.	Max.	5.00	1.25	0.82
H13(M)	0.52	1.10	0.39	0.025	0.005	5.25	1.40	0.95

- **Characteristics**

1. High toughness
2. Wear resistance
3. High stability during heat treatment

- **Application**

1. Hot forging mold
2. Extrusion mold

- **Mechanical Property**

Items	Annealed
Hardness (HBW)	235 max.

- **Heat treatment**

Hardening—

Austenitizing: Heating to approx. 1000~1050°C (Reference Temperature)

Quenchant: By oil or air.

Tempering—550~650°C (Reference Temperature), Double tempering.