



## KNIFE 8V

### General Information

Knife 8V is Cr-Mo-V alloyed steel which can be secondary hardened, high toughness, high pressure resistance; also high abrasion resistance at high temperatures.

### Chemical Composition

C %	Cr %	Mo %	V %		
0.50	7.80	1.50	1.50		

### Application Areas

- High wear resistant flat die
- Hot and cold cutting blades
- Sheet cutting moulds over 7 mm
- High strength staples

### Heat Treatment

Soft Annealing

Temperature (°C)	Cooling	Hardness
820 - 850	Furnace	max.250 HB

Stress Relieving

Temperature (°C)	Cooling	
600 - 650	Furnace	

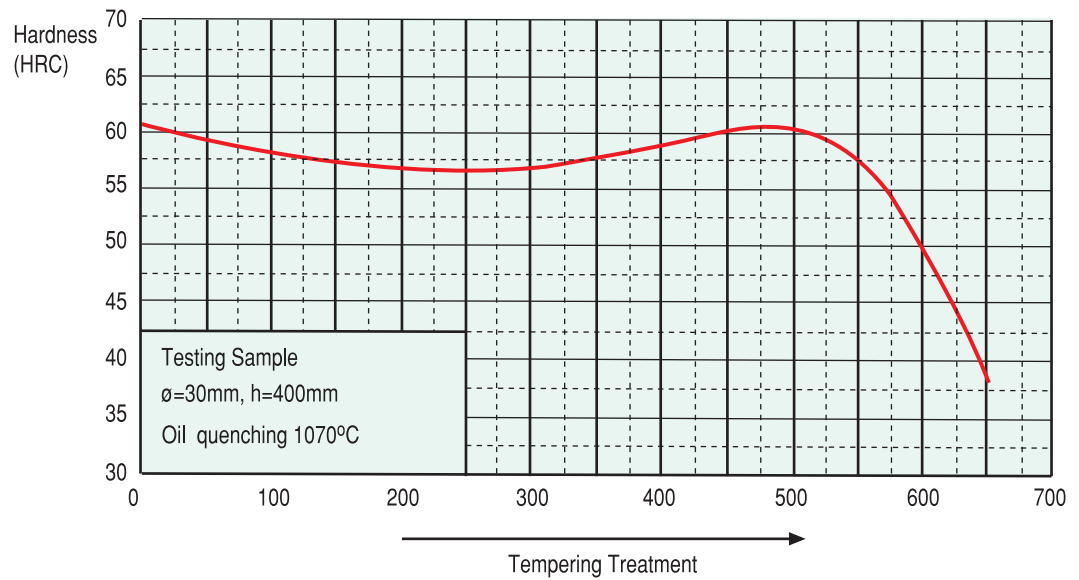
Hardening

Temperature (°C)	Cooling	Annealing
1050 - 1090	Oil, pressurized gas, air or hot bath	Please check the tempering diagram



## KNIFE 8V

**Tempering Diagram**



**Continuous Cooling Transformation Diagram**

