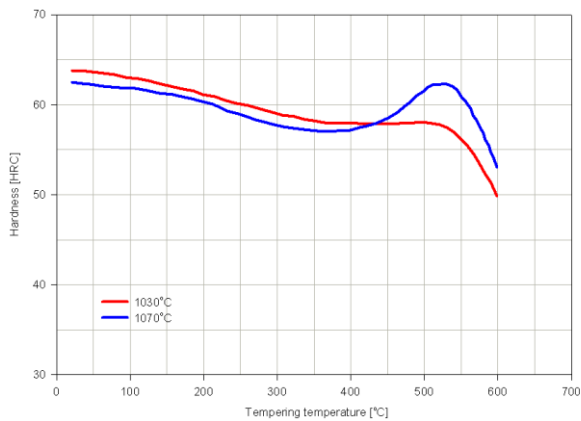


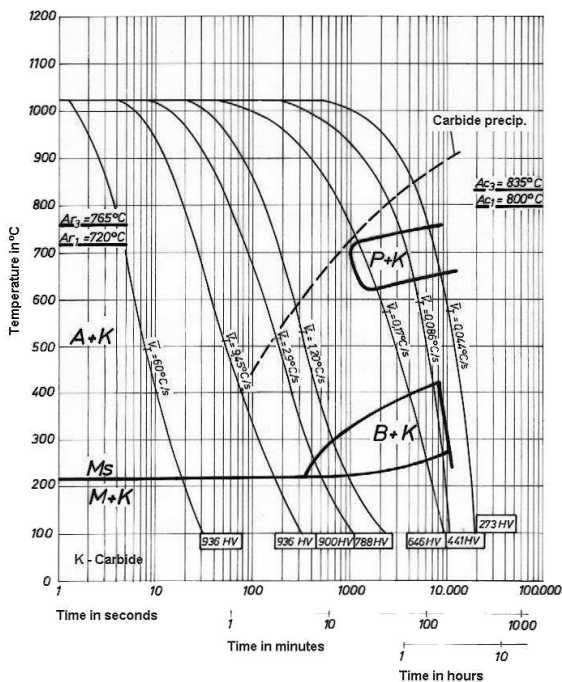
SKD11

Trade Name	Technical Delivery Condition	Annealed Hardness	Typical Chemical Composition					
			C	Si	Mn	Cr	Mo	V
SKD11	Annealed	250 HB	1.50 - 1.60	0.10 - 0.40	0.15 - 0.45	11.0 - 12.0	0.60 - 0.80	0.90 - 1.10

Werkstoff	DIN standard	AISI	BS	JIS	SIS	UNI
1.2379	X155CrVMo12-1	D2	B-D2	SKD11	2310	X155CrVMo12 1



Graph 1



TTT Graph

Type of steel and characteristics:

High Carbon High Chromium ledeburitic cold work tool steel. Grade featuring excellent toughness and suitable for bath nitriding.

Applications:

High-performance cutting tools (dies and punches), blanking and punching tools, wood working tools, shear blades for cutting light-gauge material, thread rolling dies, drawing, deep drawing and extrusion tools, pressing tools for the ceramics and pharmaceutical industries, cold rolls for multiple-roll stands, measuring tools, plastic moulds.

Heat Treatment:

- | | |
|---------------------|---------------|
| Hot Forging | 1050 - 850°C |
| Annealing | 820 - 850°C |
| Stress relieving | 650 - 700°C |
| Hardening | 1010 - 1050°C |
| Hardness obtainable | 63 – 65 HRC |
| Tempering | Refer Graph 1 |
| Nitriding | 540 °C |