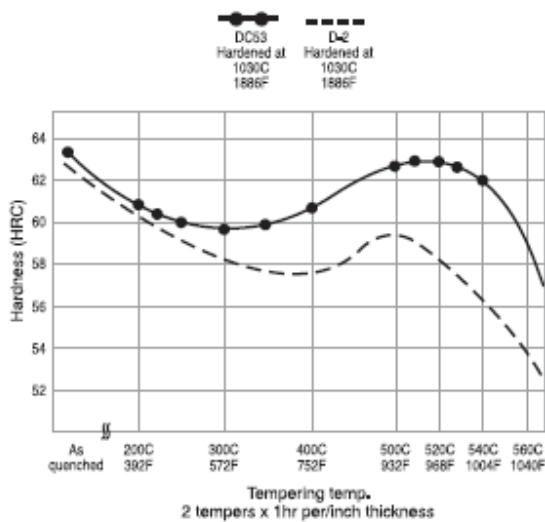


# DC53

Trade Name	Technical Delivery Condition	Annealed Hardness	Typical Chemical Composition					
			C	Si	Mn	Cr	Mo	V
DC53	Annealed	235 HB	0.95	1.00	0.40	8.00	2.00	0.30

Werkstoff	DIN standard	AISI	BS	JIS	SIS	UNI
2379 mod		D2 mod	BD 2 mod	SKD11 mod		

## Tempering Hardness Curve



Graph 1

### Type of steel and characteristics:

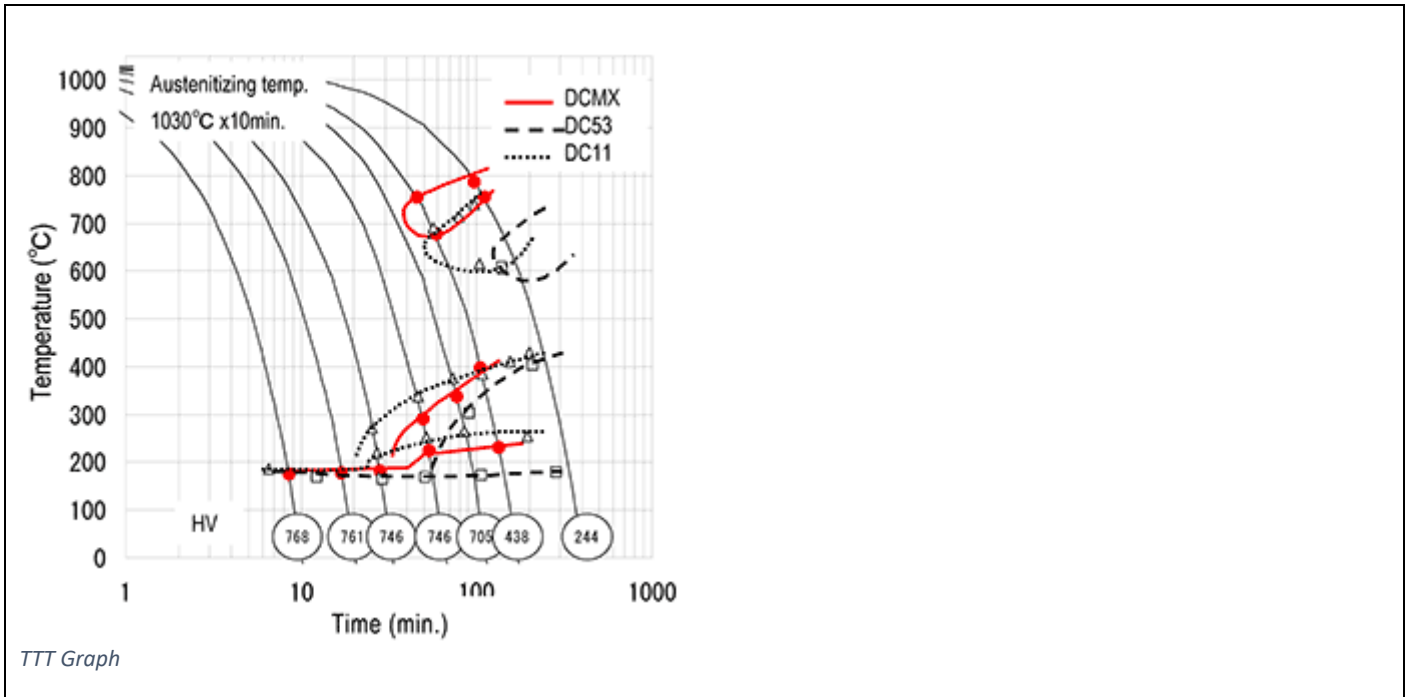
High Carbon High Chromium cold work tool steel. Grade featuring excellent toughness and good wear resistance.

### Applications:

Cutting tools (dies and punches), blanking and punching tools, cold forming tools e.g. drawing, deep drawing and extrusion tools, coining tools, thread rolling dies, shear blades, measuring tools, wood working tools.

### Heat Treatment:

Hot Forging	1050 - 850°C
Annealing	800 - 850°C
Stress relieving	650 - 700°C
Hardening	1020 - 1040°C
Hardness obtainable	61 – 63 HRC
Tempering	Refer Graph 1
Nitriding	540 °C



TTT Graph