

# QC11

# Cold Work Tool Steel

# **TECHNICAL SHEET**

# 1 Comparision Standards

W.Nr DIN		JIS equivalent	AISI/SAE	AFNOR	BS	UNI
-	-	-	-	-	-	-

# 2 Chemical Composition

С	Si	Mn	P (max)	S (max)	Cr	Мо	V	<b>Supply Condition</b>	Supply Hardness (HB)
1.50	0.20	0.40	≤ 0.030	≤ 0.010	11.30	0.90	0.25	Annealed	240

# **3** Main Characteristics and Applications

QC11 is a popular cold work tool steel grade known for its excellent wear resistance, toughness, and high hardenability. It's a versatile material used in various applications, particularly in the tool and die industry.

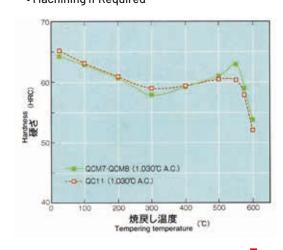
#### **Applications:**

- · Punching and Blanking
- Forming
- Shearing Dies
- Reamers and Milling Cutters
- Gauge Blocks
- Precision Measuring Instruments

# 6 Heat Treatment

# 4 Production Route

EAF - LF - VD - Forging / Rolling + Annealing
• Machining if Required



### Tempering

## Quenching

