

FTCo

CHEMICAL PROPERTIES:

Brand	Mat.-No.	Short name	Reference analysis %								
			C	Si	Mn	Cr	Mo	V	W	Co	Nb
FTCo	-	-	0.53	<0.35	0.40	4.00	2.00	1.20	1.50	0.90	+

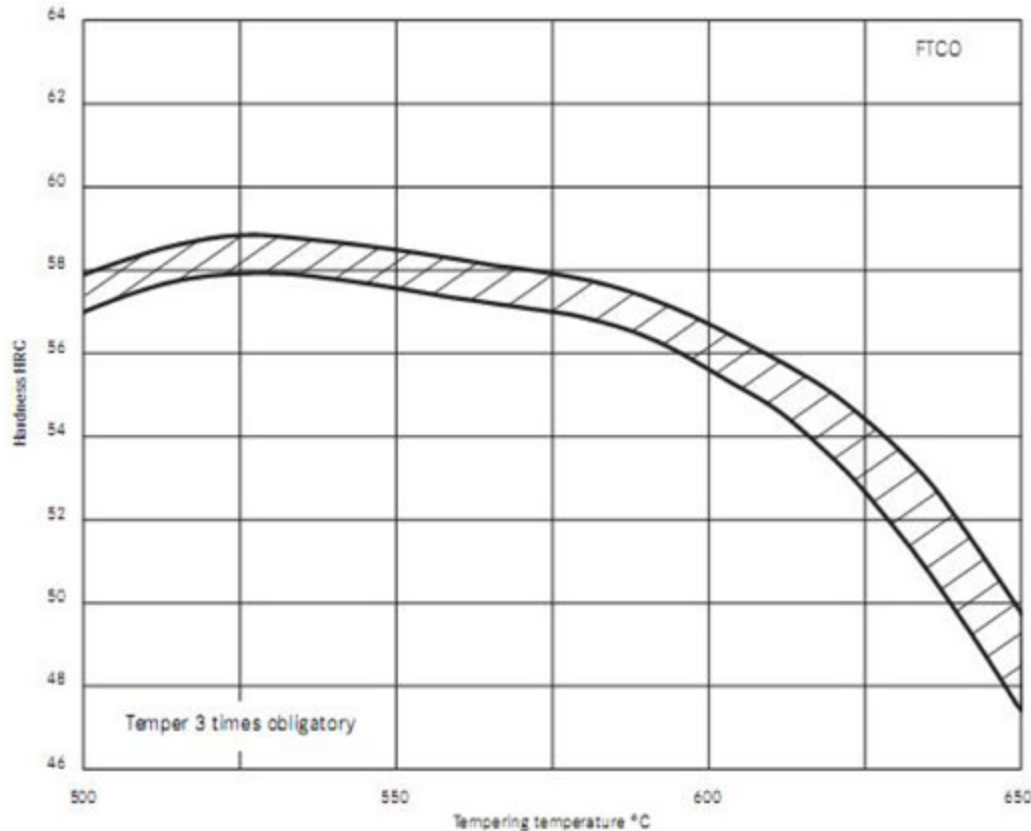
TYPE OF STEEL AND CHARACTERISTICS:

FTCo is a special tool steel with high concentration of carbide forming elements (Cr, Mo, V, W, Nb) offering advanced tempering and wear resistance.

APPLICATIONS:

Dies and punches for forging applications exposed to high thermal and abrasive loads. Well suitable for punches of high-speed forging machines.

Tempering diagram



HEAT TREATMENT:

Annealing: Temp. 820°C,

Holding time 10 hours Slow furnace cooling

Hardness after annealing: max. 300 Hb

Stress relieving:

Temperature: approx. 600 - 650° C

Hardening: Temperature: 1120 - 1140° C

Hardness obtainable: approx. 58 HRC

Tempering:

Temperature: 560 - 600°C. To increase toughness, temper 2 or 3 times

Preheating before use:

150 - 350° C is recommended.