

Material-information-sheet

Material-number: 1.2381

Material: 73 Mo V 5 2

Steel-group: Alloyed tool steels
Cr-Mo, Cr- Mo-V and Mo-V-steels

Usage: Tool steels for cold work:
Screwdriver blades and bits in pneumatic and electrical materials. High-grade Allen® key

Chemical-Composition:

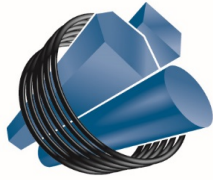
	C	Si	Mn	P	S	Mo	V
Minimum	0,70	1,00	0,40	0,00	0,00	0,45	0,15
Maximum	0,77	1,30	0,60	0,025	0,025	0,65	0,25

Heat Treatment:

Hot forming	Soft-annealing (+A)	Hardening in oil	Tempering
850 - 1000 °C	700 - 720 °C	840 -860 °C	180 -300 °C

Mechanical-characteristics:

Hardness after glowing	$R_m \sim 950 \text{ MPa}$
Hardness after quenching	$R_m \leq 880 \text{ MPa}$
Surface hardness after hardening:	$\sim 64 \text{ HRC}$



Stock:

Bars:

- Bar lengths 3 – 4 m
- Tolerance data: EN 10278
- Technical delivery conditions: EN 10277, surface quality class 2

execution	cross section design (data in mm)	
	round	6-kt
tolerance	h9	h11
+AC+C+A+C	2 – 10	1,5 -14
+AC+C	11 – 25	
+AC+SH	25 – 44	
	on request	

Rings:

- Coil weight 100 – 400 kg
- Tolerance-data: EN 10278
- Technical delivery conditions: EN 10277, surface quality class 2

execution	cross section-design (data in mm)	
	round	6-kt
+AC+C+A+C	2 – 10	1,5 - 8
	on request	