

Steel for turning

July 2016 - rev.1.0

KLEINOX 2516

DIN 120WV4

CHEMICAL COMPOSITION %

C%	Si%	Mn%	P%	S%	Cr%	V%	W %	Fe%
1,15	0,15	0,20	Max	Max	0,15	0,07	0,90	balance
1,25	0,30	0,35	0,035	0,035	0,25	0,12	1,10	

USES AND APPLICATIONS

KLEINOX 2516 an alloy tool steel with chromium, vanadium and tungsten, being the most non-distorting of the water-hardened steels and characterized by high level hardness and cutting capacity, good toughness and wear resistance. This steel is well indicated for the production of screw cutting tools, spiral drills, piercing and drawing mandrels, milling cutters, ejectors, punchers, tapes, counter-sinks, spade and reamers.

EXECUTIONS

Diameters	1.00 - 25.00 mm
Tolerances	ISO h9 up to ISO h7
Delivery conditions	in cold drawn or ground bars 3m and Coils

MECHANICAL PROPERTIES

Tensile Strength	750 N/mm ² , depends on diameter
Heat treatment	oil hardening: 810 - 830°C water hardening: 790 - 810°C
Hardness max	64/66 HRC
Cutting speed	20 - 30 m/min
Lubrificant-cooling fluid i.e.	INOX or ORTHO di Motorex

OTHER INFORMATION

Diagrams, treatment tabs or other information on request.