

Martensitic Steel

July 2016 - rev.1.0

KLEINOX 4028 Mo

DIN X30CrMo 13-2

CHEMICAL COMPOSITION %

C%	Si%	Mn%	P%	S%	Cr%	Mo%
0,36	0,40	0,45	Max	Max	13,50	1,00
			0,030	0,020		

USES AND APPLICATIONS

KLEINOX 4028 Mo martensitic Cr steel, with addition of Mo, exhibits a good corrosion resistance in alkaline solutions. Its corrosion resistance can only be satisfactory when the surface is hardened, polished and passivated. This steel is well indicated for the production of compressor valves, saws, knives and blades and for textile industry.

EXECUTIONS

Thickness	0.05 - 0.5 mm
Width	1.5 - 350 mm
Width tolerances	DIN 59381 – on request +/- 0.03 mm
Thickness tolerances	DIN 59381 R, F or P
Surface	white tempered, polished
Edges	slit, deburred, rounded
Straightness	1 mm/m – on request 0.75 mm/m
Flatness	0.20% of the width
Tensile Strength	1700 - 2000 N/mm ²

MECHANICAL PROPERTIES

Magnetism	good
Density	7,7 g/cm ³
Young's modulus 20° C	215 x 10 ³ N/mm ²
Electric resistance 20° C	0,55 Ω mm ² /m

OTHER INFORMATION

Diagrams, treatment tabs or other information on request.