

Martensitic Steel

July 2016 - rev.1.0

# KLEINOX 4028

DIN X30Cr13

EN 10088-3

ASTM F899

## CHEMICAL COMPOSITION %

C%	Si%	Mn%	P%	S%	Cr%	Ni%	Fe%
0,26	Max	Max	Max	Max	12,00	Max	balance
0,35	1,00	1,00	0,04	0,03	14,00	1,00	

## USES AND APPLICATIONS

**KLEINOX 4028 (AISI 420B)** martensitic stainless steel and it is ESR remelted. Its corrosion resistance is at its best in the quench-tempered, fine polished and passivated condition.

It is well adapted for medical, surgical and dental instruments. It is also used in various industries for the production of gears, bolts and nuts, screws as well as for tableware's.

## EXECUTIONS

<b>Diameters</b>	1.00 - 15.00 mm
<b>Tolerances</b>	ISO h8 (up to h5)
<b>Delivery conditions</b>	in cold drawn or ground bars 3m and Coils

## MECHANICAL PROPERTIES

Before hardening

<b>Tensile Strength</b>	ca. 700 - 1000 N/mm <sup>2</sup> , depends on diameter
<b>Heat treatment</b>	hardening: 980 - 1030°C
<b>Hardness Max</b>	47 HRc
<b>Cutting speed</b>	25 - 45 m/min
<b>Lubrificant-cooling fluid i.e.</b>	INOX or ORTHO Motorex

## OTHER INFORMATION

Diagrams, treatment tabs or other information on request.