

Austenitic steel

July 2016 - rev.1.0

# KLEINOX 4105 IL

## DIN X6CrMoS17

## EN 10088-3

## ASTM F899

### CHEMICAL COMPOSITION %

C%	Si%	Mn%	P%	S%	Cr%	Mo%	Ni%	Fe%
Max	Max	Max	Max	0,15	16,00	0,20	Max	balance
0,08	1,50	1,00	0,04	0,35	18,00	0,60	1,00	

### USES AND APPLICATIONS

**KLEINOX 4105 IL (AISI 430FR)** is a free cutting chromium steel, exhibiting, in annealed condition, specific magnetic properties and also withstanding to corrosion to water and steam.

This steel is well indicated for the production of solenoid valves.

### 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

<b>Tensile Strength</b>	ca. 350-550 N/mm <sup>2</sup> , depends on diameter
<b>Heat treatment</b>	depending on desired magnetic properties
<b>Cutting speed</b>	50-60 m/min
<b>Lubrificant-cooling fluid i.e.</b>	INOX or ORTHO Motorex

### OTHER INFORMATION

Diagrams, treatment tabs or other information on request.