

Stainless steel Durax

- **Material**

Material No.	1.4034
EN Symbol (short)	X46Cr13
AISI/SAE	420
UNS	S 42000
ASTM	A276/A314/A473/A580
B.S.	420 S 45
Alloy	—
Registered Works Label	—
Standards	DIN 1.4007/21

- **Chemical Composition¹**

C	Si	Mn	P	S	Cr	Mo	Ni	V
≤ %	≤ %	≤ %	≤ %	≤ %	%	%	%	
0.43 – 0.50	1,0 max.	1,0 max.	0,04 max.	0,015 max.	12,0-14,5	-	-	-
Nb	Ti	Al	Co	Cu	N	Fe		
-	-	-	-	-	≤ %	Balance	-	-

- **Thermal Characteristics**

Durax is resistant up to temperature of around 400°C but cannot be sterilized

- **Special Characteristics**

Temperature - Range:
730-790°C

Density kg/dm³:
7.7

Hardness HB 30
≤ 245

Welding Filler

Not commonly welded

Main fields of Application (depending of specific conditions of use)

textile industry, welded parts of enhanced chemical permanence, chemical industry

(all aforementioned specifications serve as a general orientation and have to be reviewed depending on the specific conditions of use)

- **Description**

420 Stainless Steel is a general purpose heat treatable chromium steel which is a popular cutlery grade.

