

Strength levels, temper rolled stainless steels

Class ¹⁾	EN ²⁾		ASTM
	Yield strength, f_{yc} , N/mm ²	Ultimate strength, f_{uc} , N/mm ²	A-666 Correspond.
C700	350	700	1/8 Hard
C850	530	850	1/4 Hard
C1000	750	1000	1/2 Hard
C1150	900	1150	3/4 Hard
C1300	-	1300	Full-Hard

¹⁾ EN 10088-2, ²⁾ ENV 1993-1-4: Eurocode 3

High strength stainless steels

Steel ¹⁾	Composition	$R_{p0.2}$, N/mm ² min	R_m , N/mm ²	A_{80} , % min
EN 1.4301	18Cr-9Ni	230	540-750	45
EN 1.4318	17Cr-7Ni-N	350	650-850	40
EN 1.4462	22Cr-5Ni-N	480	660-950	20

¹⁾ EN 10088-2