

# SANDVIK 6C27 STRIP STEEL

**DATASHEET** 

Sandvik 6C27 is a martensitic stainless chromium steel with a low carbon content that is characterized by excellent formability. After hardening, the grade has good corrosion resistance and high toughness.

Typical applications for Sandvik 6C27 are shaving heads in electric shavers, kitchen tools like butter knives and slicers and potatopeelers.

#### **STANDARDS**

- 420
- S42000
- 1.4007
- X 35 Cr 14

#### CHEMICAL COMPOSITION (NOMINAL)

#### Chemical composition (nominal) %

STOP!	of Gulfaren Statistical Statistical Statistical	Si garar garar gar	Mn	P	S gall gall gall gall gall	Cr god god god god
ijkal'	0.32	0.2	0.3	≤0.025	≤0.010	13.7

#### FORMS OF SUPPLY

The strips can be supplied either in coils or as straightened lengths of 0.5 - 4.0 meter (1.6 - 13.1 feet). The coil weight is max 5 kg/mm (280 lbs/in.) of strip width.

Hardening and tempering of the strip steel is needed to achieve the correct finish and to meet the properties required by the enduser.

# Dimensions

G Keel	Thickness	Strand Station	Steffen Steffen	35	of the State	Straffing to	Shaftan S	petrone State	Width	Shring	S. Jack Linder	Staffinger	3 kaluas	S. Feet Indian	Sheling	Steeling B.	Indeed Shell	Oke Inde	" " " The Tines"	- Shi
Silver	mm (in.)	Refres Staffer	States of States	3"	States State	Station .	Shaffer S	ertra Caretr	mm (in.	) Se tradicional	Skeling	Stelling	Straffen.	Skalina and	Shelman 3	ite free and Str	Transaction Cartes II	Skeller.	Sheline a	Shi
Sifest	Min.	kiling Stelling Stelling	Stall Stall	Max	Stelling Stell	Steller	Strate S	erica Steel	Min.	Stelling	Shell	Steffen	Str.	Max	Ghyllan 3	itelius Str	Train State	Skelman.	Shiften	Shel
Stroi	Steller Steller 3	0.10 (0.003	39)	2.5 (	0.098	) Steel	Strange Si	return Steel	5 (0.197	7)	Stell .	Stell	Stell .	380	(14.	96)	on State	Skelen	Shelm	3 the

Other sizes can be supplied to meet specific requirements.

#### **Tolerances**

The thickness and width tolerances are +/- tolerances to the nominal size. The normal tolerance classes for most of our strip products are T2 and B1. Tighter tolerances as well as other tolerance limits can be offered upon request.

# Mechanical properties

As-delivered	Tensile strength	Hardness	
paring the second of the secon	MPa (ksi)	HV grand	HRB
Annealed	max. 600 (87)	max. 185	max 88.5
Cold rolled	700-1000 (102-145)	215-315	94.3-106.6

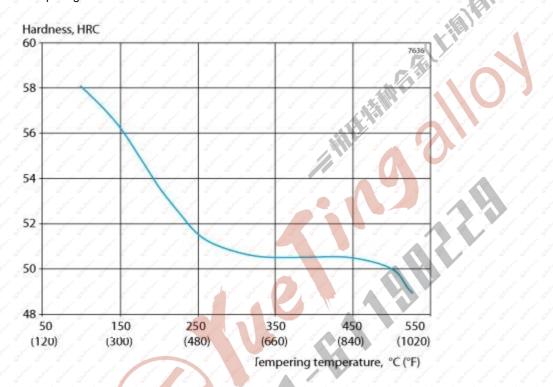
## **HEAT TREATMENT**

## Hardening data

Hardening temperature 1070°C (1960°F), holding time 3 minutes, quenching in oil.

# Tempering data

Tempering time 30 minutes.



Brittleness occurs with tempering above 450°C (840°F).

Disclaimer: Recommendations are for guidance only, and the suitability of a material for a specific application can be confirmed only when we know the actual service conditions. Continuous development may necessitate changes in technical data without notice. This datastheet is only valid for Sandvik materials.

