

SIQUAL[™] 7016

LOW CARBON STEEL

SIQUAL 7016 is a low carbon steel intended for carburising or carbonitriding and subsequent hardening.

SPECIFICATIONS

SIQUAL 7016 is designated as 17Cr3 according to EN 10027-1 and as W.Nr. 1.7016, and conforms to the following standard:

- EN ISO 683-3:2019 (formerly EN 10084): – Heat treatable steels, alloy steels and free-cutting steels – Part 3: Case hardening steels

CHEMICAL COMPOSITION

	C	Mn	Si	P	S	Cr
Min. in %	0.14	0.60	-	-	-	0.70
Max. in %	0.20	0.90	0.40	0.025	0.035	1.00

MECHANICAL PROPERTIES

Delivery condition	HBW
Soft annealed (+A)	174

DIMENSIONS

	Hot-rolled strip	Hot-rolled sheets	Hot-rolled quarto plates
Thickness [mm]	3–6	3–6	8–*
Width [mm]	100–1000	800–1000	1000–2500
Length [mm]	-	2000–6000	up to 12000
Internal diameter [mm]	610	-	-

*Max. thickness shall be discussed at the time of inquiry.

TOLERANCES ON DIMENSIONS

- Hot-rolled quarto plates: EN 10029
- Hot-rolled strips/sheets: EN 10051

SURFACE CONDITION

According to EN 10163-2 or by special agreement.

DELIVERY CONDITION

Hot-rolled strip/sheet	Hot-rolled quarto plates
annealed (+ shot-blasted)	annealed (+ shot-blasted)

INSPECTION DOCUMENTS

The type of document shall be agreed upon at the time of enquiry and order. A test certificate according to EN 10204/3.1 is issued mandatorily.

The information and data in this product data sheet are intended for informative purpose only and may be revised at any time without notice. Presented typical properties of the materials are described only to help readers make their own evaluations and decisions. They are not guaranteed.