

Alleima® 0XC34

Billets

Datasheet

Alleima® 430 is a ferritic stainless steel with minimum 16% chromium that has lower tensile strength, elongation and impact resistance than austenitic stainless steels. The proof strength is somewhat higher.

Standards

- ASTM: 430
- UNS: S43000
- EN Number: 1.4016

Certificates

Status according to EN 10 204 3.1

Chemical composition (nominal)

Chemical composition (nominal) %

C	Si	Mn	P	S	Cr
≤0.035	0.3	0.3	≤0.025	≤0.025	17

Chemical composition (nominal) %

C	Si	Mn	P	S	Cr	Ni	Mo	Others
≤0.035	0.3	0.3	≤0.025	≤0.025	17	-	-	-

Forms of supply

Sizes and tolerances

Round-cornered square, as well as round billets, are produced in a wide range of sizes according to the following tables. Larger sizes offered on request.

Surface conditions

Square billets

Unground, spot ground or fully ground condition.

Round billets

Peel turned or black condition.

Square billets

Size	Tolerance	Length
mm	mm	m
80	+/-2	4 - 6.3
100, 114, 126, 140, 150	+/-3	4 - 6.3
160, 180, 195, 200	+/-4	4 - 6.3
>200 - 350	+/-5	3 - 5.3

Sizes and tolerances apply to the rolled/forged condition.

Peel turned round billets

Size	Tolerance	Length
mm	mm	m
75 - 200 (5 mm interval)	+/-1	max 10
>200 - 450	+/-3	3 - 8

Unground round billets

Size	Tolerance	Length
mm	mm	m
77 - 112 (5 mm interval)	+/-2	max 10
124, 134	+/-2	max 10
127, 147, 157	+/-2	max 10
142, 152, 163	+/-2	max 10
168, 178, 188	+/-2	max 10
183, 193	+/-2	max 10

Other products

- Hollow bar

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 datasheet is only valid for Alleima materials.