





STAINLESS STEEL LONG PRODUCTS

EN • IT

 **MARCEGAGLIA**
SPECIALTIES



Bright bars, flat bars and cold formed sections complete the product range of Marcegaglia stainless steel long products for applications including precision engineering, food and dairy, building and construction.

La gamma di barre trafilate, piatti e profilati a freddo completano la gamma di prodotti lunghi Marcegaglia in acciaio inossidabile per applicazioni nel settore della meccanica di precisione, dell'industria alimentare e delle costruzioni.

Stainless steel long products

bright bars, flat bars
and special cold formed sections

Prodotti lunghi in acciaio inossidabile

trafilati in barre, piatti e profilati speciali



Stainless steel bright bars

Trafilati in acciaio inossidabile



MANUFACTURING STANDARD

Norma di fabbricazione

EN 10088-3

PRODUCT DESIGNATION

Designazione prodotto

Stainless steels for general purposes
Acciai inossidabili per impieghi generali

GRADE

Qualità

1.4305 (AISI 303)
1.4301 (AISI 304)
1.4307 (AISI 304L)
1.4404 (AISI 316L)
1.4104 (AISI 430F)

Supply conditions - *Condizioni di fornitura*

- Dimensional tolerances according to EN 10278 (see table) *Tolleranze dimensionali secondo EN 10278 (vedi tabella)*

- Upon request: certification according to AD 2000 W2/W10 *Su richiesta: certificazione secondo AD 2000 W2/W10*

UPON REQUEST,
GRADES AND
DIMENSIONS VARYING
FROM STANDARD
CAN BE CONSIDERED.

SU RICHIESTA
POSSONO ESSERE PRESE
IN ESAME QUALITÀ E
DIMENSIONI DIVERSE
DA QUELLE STANDARD.



OPTIONAL PROCESSING

Lavorazioni opzionali

Grinding - Rettifica

Polishing (grit 320) - Satinatura (grana 320)

Chamfering - Bisellatura

TESTING

Prove e controlli

Rotating sensor eddy current test

Controllo a correnti indotte a testa rotante

Magneto-inductive test

Controllo magnetico antimiscelamento



DIMENSIONAL TOLERANCE EN 10278 Tolleranze dimensionali EN 10278

product type	tolerance class according to ISO 286-2				
	h6	h7	h8	h9	h11
Cold-drawn <i>Trafilato</i>				R	R, H
Peeled <i>Pelato</i>				R	
Ground <i>Rettificato</i>	R	R	R	R	

R: round
H: hexagonal

R: tondo
H: esagonale

STANDARD CHAMFERING EDGES Smussi di bisellatura standard

dimensions mm	45° + milled	30° + milled
8 ÷ 10	1 mm	3 mm
10 ÷ 20	1,2 mm	3,5 mm
20 ÷ 40	1,5 mm	6 mm
40 ÷ 50	2 mm	4 mm
50 ÷ 60	2,5 mm	5 mm

edge tolerance: $\varnothing 8 \div 10 \text{ mm} \pm 0.9 \text{ mm}$; $\varnothing 10 \div 50 \text{ mm} \pm 1 \text{ mm}$; $\varnothing 50 \div 60 \text{ mm} \pm 1.5 \text{ mm}$
 tolleranze smussi: $\varnothing 8 \div 10 \text{ mm} \pm 0,9 \text{ mm}$; $\varnothing 10 \div 50 \text{ mm} \pm 1 \text{ mm}$; $\varnothing 50 \div 60 \text{ mm} \pm 1,5 \text{ mm}$

Stainless steel bright bars

Trafilati in acciaio inossidabile



BRIGHT ROUND BARS EN 10088-3

Trafilati tondi EN 10088-3

diameter mm	1.4305 (A303)	1.4301 (A304) 1.4307 (A304L)	1.4404 (A316L)	1.4104 (A430F)
5	0,154	0,154	0,154	0,154
6	0,222	0,222	0,222	0,222
7	0,302	0,302	0,302	0,302
8	0,395	0,395	0,395	0,395
9	0,499	0,499	0,499	0,499
10	0,617	0,617	0,617	0,617
11	0,746	0,746	0,746	0,746
12	0,888	0,888	0,888	0,888
13	1,042	1,042	1,042	1,042
14	1,208	1,208	1,208	1,208
15	1,387	1,387	1,387	1,387
16	1,578	1,578	1,578	1,578
17	1,782	1,782	1,782	1,782
18	1,998	1,998	1,998	1,998
19	2,226	2,226	2,226	2,226
20	2,466	2,466	2,466	2,466
21	2,719	2,719	2,719	2,719
22	2,984	2,984	2,984	2,984
23	3,261	3,261	3,261	3,261
24	3,551	3,551	3,551	3,551
25	3,853	3,853	3,853	3,853
26	4,168	4,168	4,168	4,168
27	4,494	4,494	4,494	4,494
28	4,834	4,834	4,834	4,834
30	5,549	5,549	5,549	5,549
32	6,313	6,313	6,313	6,313
34	7,127	7,127	7,127	7,127
35	7,552	7,552	7,552	7,552
36	7,990	7,990	7,990	7,990
38	8,903	8,903	8,903	8,903
40	9,864	9,864	9,864	9,864
42	10,875	10,875	10,875	10,875
45	12,485	12,485	12,485	12,485
50	15,413	15,413	15,413	15,413
55	18,650	18,650	18,650	18,650
60	22,195	22,195	22,195	22,195
65	26,048	26,048	26,048	26,048
70	30,209	30,209	30,209	30,209
75	34,679	34,679	34,679	34,679
80	39,457	39,457	39,457	39,457
85	44,544	44,544	44,544	44,544
90	49,938	49,938	49,938	49,938
100	61,652	61,652	61,652	61,652

diameter mm - inches	weight kg/m		
	1.4305 (A303)	1.4301 (A304) 1.4307 (A304L)	1.4404 (A316L)
6,35 - 1/4"	0,249	0,249	0,249
7,937 - 5/16"	0,388	0,388	0,388
9,525 - 3/8"	0,559	0,559	0,559
11,112 - 7/16"	0,761	0,761	0,761
12,7 - 1/2"	0,994	0,994	0,994
14,287 - 9/16"	1,258	1,258	1,258
15,875 - 5/8"	1,554	1,554	1,554
17,462 - 11/16"	1,880	1,880	1,880
19,05 - 3/4"	2,237	2,237	2,237
22,225 - 7/8"	3,045	3,045	3,045
25,4 - 1"	3,978	3,978	3,978

HEXAGONAL COLD-DRAWN BARS

acc. to EN 10088-3

Trafilati esagonali sec. EN 10088-3

size mm	weight kg/m
10	0,68
11	0,82
12	0,98
13	1,14
14	1,33
15	1,52
16	1,73
17	1,96
18	2,18
19	2,45
20	2,70
21	3,00
22	3,29
23	3,57
24	3,92
25	4,21
26	4,60
27	4,96
28	5,29
30	6,12
32	6,96
34	7,86
35	8,33
36	8,81
38	9,81
40	10,88
41	11,40
42	12,00
45	13,77
46	14,40
48	15,67
50	17,00
55	20,56
60	24,45
65	28,65
70	32,25
75	38,24
80	43,50

Standard delivery program - Programma di fornitura standard



Stainless steel flat bars

Piatti in barre in acciaio inossidabile



MANUFACTURING STANDARD <i>Norma di fabbricazione</i>	PRODUCT DESIGNATION <i>Designazione prodotto</i>	GRADE <i>Qualità</i>	
EN 10088-2	Stainless steel flat products for general purposes <i>Acciai inossidabili piani per impieghi generali</i>	Austenitic EN 1.4301 1.4307	<i>Austenitici</i> AISI 304 304L
EN 10028-7	Stainless steel flat products for pressure purposes <i>Acciai inossidabili piani per recipienti a pressione</i>	1.4541 1.4404 1.4571	321 316L 316Ti

FLAT BARS Piatti in barre								weight kg/m
width mm	thickness mm							
	3	4	5	6	8	10	12	
10	0,24	0,32						
12	0,29	0,38	0,48	0,57				
15	0,36	0,48	0,60	0,72				
20	0,48	0,64	0,80	0,95	1,27	1,59		
25	0,60	0,80	0,99	1,19	1,59	1,99		
30	0,72	0,95	1,19	1,43	1,91	2,39	2,86	
35	0,83	1,11	1,39	1,67	2,23	2,78		
40	0,95	1,27	1,59	1,91	2,54	3,18	3,82	
45	1,07	1,43	1,79	2,15	2,86	3,58		
50	1,19	1,59	1,99	2,39	3,18	3,98	4,77	
60	1,43	1,91	2,39	2,86	3,82	4,77	5,72	
65	1,55	2,07	2,58	3,10	4,13	5,17	6,20	
70	1,67	2,23	2,78	3,34	4,45	5,57	6,68	
75	1,79	2,39	2,98	3,58	4,77	5,96	7,16	
80	1,91	2,54	3,18	3,32	5,09	6,36	7,63	
90		2,86	3,58	4,29	5,72	7,16		
100	2,39	3,18	3,98	4,77	6,36	7,95	9,54	
120		3,82	4,77	5,72	7,63	9,54	11,45	
125				5,96	7,95	9,94	11,93	
140			5,57	6,68	8,90	11,13	13,36	
150			5,96	7,16	9,54	11,93	14,31	
160					10,18	12,72	15,26	
180				8,59	11,45	14,31	17,17	
200			7,95	9,54	12,72	15,90	19,08	

Polished bars standard availability - *Disponibilità standard prodotto satinato*

Supply conditions - *Condizioni di fornitura*

- Dimensional tolerances according to EN 10051 - *Tolleranze dimensionali secondo EN 10051*
- Special tolerances upon request *Tolleranze speciali su richiesta*
- Control documents 2.2, 3.1, 3.2 according to EN 10204 *Documenti di controllo 2.2, 3.1, 3.2 secondo norma EN 10204*
- On request: certification according to AD 2000 W2/W10 *Su richiesta: certificazione secondo AD 2000 W2/W10*

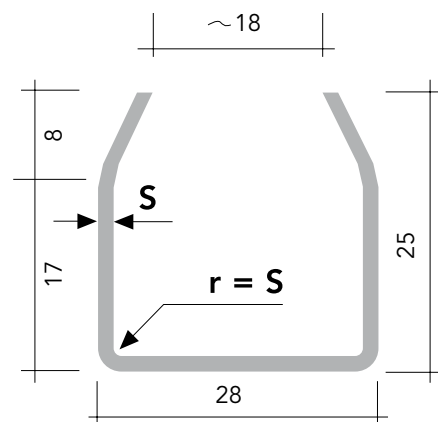
Stainless steel special cold formed sections

Profilati speciali in acciaio inossidabile



SPECIAL COLD FORMED SECTIONS Profilati speciali		
external dimensions	mm	
A x B mm	1	1,2
23 x 22		•
27 x 19		•
27 x 23		•
28 x 25		•
37 x 25		•
47 x 25	•	

Upon request, shapes varying from standard can be considered.
Su richiesta possono essere prese in esame sagome diverse da quelle standard.



MARCEGAGLIA SPECIALTIES

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