



STALA
TUBE

METRIC

TECHNICAL DATA SHEET

Stainless flat bars

Stainless flat bars

DELIVERY CONDITIONS

Forming	Slitted, straightened, rolled edges
Surface condition	Hot rolled (1D) as standard

STEEL GRADES (According to standards EN 10088-2 / EN 10028-7)

1.4301, 1.4307, 1.4404, 1.4571

MARKING ON PRODUCTS

Ink-jet marking	Coil number
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ADDITIONAL CERTIFICATE

PED 97/23/EC

BUNDLE PACKING AND MARKING

Wood crates

Plastic bands

Bundle tag

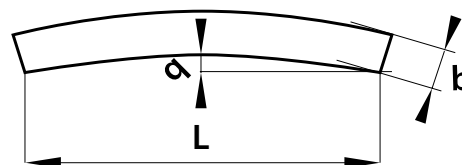
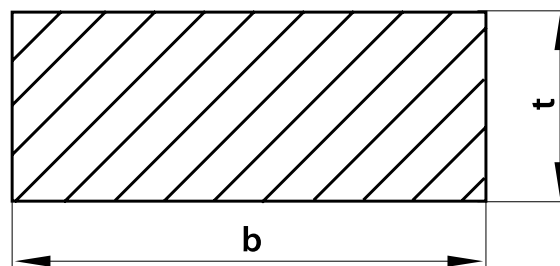
FLAT BARS WIDTH [mm]	WEIGHT [kg/m]				
	3.0	4.0	5.0	6.0	8.0
25	0.60	0.80	1.00		
30	0.72	0.96	1.20	1.44	1.92
40	0.96	1.28	1.60	1.92	2.56
50	1.20	1.60	2.00	2.40	3.20
60	1.44	1.92	2.40	2.88	3.84
80	1.92	2.56	3.20	3.84	5.12
100	2.40	3.20	4.00	4.80	6.40
120			4.80	5.76	7.68
150			6.00	7.20	9.60

Availability of flat bar dimensions is subject to stock level and production schedule.

TOLERANCES

According to EN 10058

Width b	Nominal width	Tolerance
	$10 \leq b \leq 40$	± 0.75
	$40 < b \leq 80$	± 1
	$80 < b \leq 100$	± 1.5
	$100 < b \leq 120$	± 2
	$120 < b \leq 150$	± 2.5
Thickness t	Nominal thickness	Tolerance
	$t \leq 8$	± 0.5
Straightness q	Dimension	Tolerance in the plane of b
	$< 125 \times 8$	$q \leq 0.4 \% \text{ of } L$
	$\geq 125 \times 8$	$q \leq 0.25 \% \text{ of } L$
Length	$L = 4000 \text{ mm as standard (tolerance } -0/+20\text{mm)}$	



Chemical and mechanical properties

CHEMICAL COMPOSITION (EN 10088-2 AND EN 10088-4)											
(% by mass, maximum values unless indicated otherwise)											
Austenitic											
EN	C	Si	Mn	P	S	N	Cr	Mo	Ni	Others	PRE
1.4301	0.070	1.00	2.00	0.045	0.015	0.10	17.5-19.5		8.0-10.5		18
1.4307	0.030	1.00	2.00	0.045	0.015	0.10	17.5-19.5		8.0-10.5		18
1.4404	0.030	1.00	2.00	0.045	0.015	0.10	16.5-18.5	2.0-2.50	10.0-13.0		24
1.4571	0.080	1.00	2.00	0.045	0.015		16.5-18.5	2.0-2.50	10.5-13.5	Ti 5xC-0.70	24
Lean Duplex and Duplex											
EN	C	Si	Mn	P	S	N	Cr	Mo	Ni	Others	PRE
1.4062 ¹⁾	0.030	1.00	2.00	0.040	0.010	0.16-0.28	21.5-24.0	0.45	1.00-2.90		26
1.4162	0.040	1.00	4.0-6.0	0.040	0.015	0.20-0.25	21.0-22.0	0.10-0.80	1.35-1.70	Cu 0.10-0.80	26
1.4362	0.030	1.00	2.0	0.035	0.015	0.05-0.20	22.0-24.0	0.10-0.60	3.5-5.5	Cu 0.10-0.60	28
1.4462	0.030	1.00	2.0	0.035	0.015	0.10-0.22	21.0-23.0	2.50-3.50	4.5-6.5		35

MECHANICAL PROPERTIES				
EN 10088-2 AND EN 10088-4				
Measured from coil, minimum values unless indicated otherwise				
Austenitic				
EN	0.2 % - proof strength Rp0.2 MPa	Tensile strength Rm MPa	Elongation A5 %	
1.4301	210	520-720	45	
1.4307	200	520-700	45	
1.4404	220	530-680	40	
1.4571	220	540-690	40	
Lean Duplex and Duplex				
	0.2 % - proof strength Rp0.2 MPa	Tensile strength Rm MPa	Elongation A5 %	
1.4062	480	680-900	30	1)
1.4162	480	680-900	30	
1.4362	500	690	25	2)
1.4462	460	700-950	25	

1) Fulfills the standard EN 10088-2 2) EDX2304

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