

# Stainless bars

Our stainless assortment is used in applications with extra high demands on bars. Our tubes are available in the usual stainless grades: EN 1.4301, EN 1.4305, EN 1.4307, EN 1.4404 and EN 1.4571.

## EN 1.4301, EN 1.4307

Stainless drawn or ground bars in accordance with EN 1088/EN 10278, tolerance in accordance with ISO h9, fabrication lengths of 3–6 m.

### PRODUCT INFORMATION

OD	KG/M
5	0.16
6	0.22
8	0.40
10	0.62
12	0.89
14	1.21
15	1.42
16	1.58
18	2.00

OD	KG/M
20	2.47
22	2.98
25	3.85
30	5.55
35	7.60
40	9.92
45	12.56
50	15.50
60	22.32

## EN 1.4305

Stainless drawn or ground bars in accordance with EN 1088/EN 10278, tolerance in accordance with ISO h9, fabrication lengths of 3–6 m.

### PRODUCT INFORMATION

OD	KG/M
5	0.16
5	0.16
6	0.22
8	0.40
10	0.62

OD	KG/M
12	0.89
14	1.21
15	1.42
16	1.58
18	2.00

OD	KG/M
20	2.47
22	2.98
25	3.85
30	5.55
35	7.60

OD	KG/M
40	9.92
45	12.56
50	15.50
60	22.32

## EN 1.4404

Stainless drawn or ground bars in accordance with EN 1088/EN 10278, tolerance in accordance with ISO h9 and fabrication lengths of 3–6 m.

### PRODUCT INFORMATION

OD	KG/M
8	0.40
10	0.62
12	0.89
16	1.58
20	2.47

OD	KG/M
25	3.85
30	5.55
40	9.92
50	15.50

### CERTIFICATE, TESTING, MARKING

Agreements concerning certificate types as well as testing and marking to be made when ordering.

### PACKAGING

Unless otherwise agreed, tubes are packaged in an adequate manner for material and labour costs only. Alternative packaging must be agreed when ordering. The following alternatives are available as standard:

- Bundled
- Holmenflex
- Wooden racks
- Wooden crates
- Plastic coated

## TOLERANCE TABLE

NOMINAL DIAMETER IN (MM)		LIMIT OF TOLERANCE								
OVER	TO	6	7	8	9	10	11	12	13	14
(1)	3	0.006	0.010	0.014	0.025	0.040	0.060	0.100	0.140	0.250
(3)	6	0.008	0.012	0.018	0.030	0.048	0.075	0.120	0.180	0.300
(6)	10	0.009	0.015	0.022	0.036	0.058	0.090	0.150	0.220	0.360
(10)	18	0.011	0.018	0.027	0.043	0.070	0.110	0.180	0.270	0.430
(18)	30	0.013	0.021	0.033	0.052	0.084	0.130	0.210	0.330	0.520
(30)	50	0.016	0.025	0.039	0.062	0.100	0.160	0.250	0.390	0.620
(50)	80	0.019	0.030	0.046	0.074	0.120	0.190	0.300	0.460	0.740
(80)	120	0.022	0.035	0.054	0.087	0.140	0.220	0.350	0.540	0.870
(120)	180	0.025	0.040	0.063	0.100	0.160	0.250	0.400	0.630	1.000
(180)	250	0.029	0.046	0.072	0.115	0.185	0.290	0.460	0.720	1.150
(250)	315	0.032	0.052	0.081	0.130	0.210	0.320	0.520	0.810	1.300
(315)	400	0.036	0.057	0.089	0.140	0.230	0.360	0.570	0.890	1.400
(400)	500	0.040	0.063	0.097	0.155	0.250	0.400	0.630	0.970	1.550

## CHEMICAL PROPERTIES

STEEL TYPES EN	ASTM	C%	N%	Cr%	Ni%	Mo%	OTHER	EN	
1.4512	409	0.02	-	12.00	-	-	Ti	1.4512	Ferritic
1.4003	S41050	0.02	-	11.50	0.40	-	-	1.4003	
1.4000	410S	0.04	-	12.00	-	-	-	1.4000	
1.4016	430	0.04	-	16.50	-	-	-	1.4016	
1.4021	S42010	0.20	-	13.00	-	-	-	1.4021	Mart.
1.4028	420	0.30	-	12.50	-	-	-	1.4028	
1.4418	-	0.03	0.04	16.00	5.00	1.0	-	1.4418	
1.4362	S32304	0.02	0.10	23.00	4.50	-	-	1.4362	
1.4462	S31803	0.02	0.17	22.00	5.50	3.0	-	1.4462	Duplex
1.4410	S32750	0.02	0.27	25.00	7.00	4.0	-	-	Austenitic
1.4372	201	0.05	0.15	17.00	5.00	-	Mn	-	Austenitic
1.4310	301	0.10	0.04	17.00	7.00	-	-	1.4310	Austenitic
1.4307	304L	0.02	0.06	18.30	9.20	-	-	-	Austenitic
1.4301	304	0.04	0.06	18.30	8.70	-	-	1.4301	Austenitic
1.4311	304LN	0.02	0.14	18.30	8.70	-	-	1.4311	Austenitic
1.4541	321	0.04	0.01	17.30	9.20	-	Ti	1.4541	Austenitic
1.4305	303	0.07	0.06	18.00	8.50	-	S	1.4305	Austenitic
1.4567	S30430	0.01	0.02	18.00	9.00	-	Cu	1.4567	Austenitic
1.4306	304L	0.02	0.06	18.30	10.20	-	-	1.4306	Austenitic
1.4303	305	0.02	0.02	18.00	11.50	-	-	1.4303	Austenitic
1.4404	316L	0.02	0.06	17.30	11.00	2.2	-	1.4404	Austenitic
1.4401	316	0.04	0.04	16.80	10.70	2.2	-	1.4401	Austenitic
1.4406	316LN	0.02	0.14	17.50	11.00	2.2	-	1.4406	Austenitic
1.4571	316Ti	0.04	0.01	17.00	11.00	2.2	Ti	1.4571	Austenitic
1.4432	316L	0.02	0.06	17.00	11.70	2.7	-	-	Austenitic
1.4436	316	0.04	0.06	17.00	11.00	2.7	-	1.4436	Austenitic
1.4435	316L	0.02	0.06	17.30	12.70	2.7	-	1.4435	Austenitic
1.4438	317L	0.02	0.08	18.30	12.20	3.2	-	1.4438	Austenitic

STEEL TYPES EN	ASTM	C%	N%	Cr%	Ni%	Mo%	OTHER	EN	
1.4434	317LN	0.02	0.12	17.00	11.00	3.2	-	-	Austenitic
1.4439	S31726	0.02	0.14	17.30	12.70	4.2	-		Austenitic
1.4539	NO8904	0.01	0.06	20.00	25.00	4.5	Cu		Austenitic
1.4547	S31254	0.01	0.20	20.00	18.00	6.1	Cu	-	Austenitic
1.4652	S32654	0.01	0.50	24.00	22.00	7.3	Mn. Cu	-	Austenitic
1.4948	304H	0.05	0.06	18.30	8.70	-	-	1.4948	Austenitic
1.4878	321H	0.05	0.01	17.30	9.20	-	Ti	1.4878	Austenitic
1.4818	S30415	0.05	0.15	18.50	9.50	-	Si. Ce	-	Austenitic
1.4833	309S	0.06	0.08	22.50	12.50	-	-	1.4833	Austenitic
1.4828	-	0.04	0.04	20.00	12.00	-	Si	1.4828	Austenitic
1.4835	S30815	0.09	0.17	21.00	11.00	-	Si. Ce	-	Austenitic
1.4845	310S	0.05	0.06	25.00	20.00	-	-	1.4845	Austenitic
1.4854	S35315	0.05	0.15	25.00	35.00	-	Si. Ce	-	Austenitic
1.4439	S31726	0.02		17.3					