



ROUND BAR SIZES AND GRADES

SANDVIK'S STANDARD RANGE OF ROUND BAR

Sandvik's standard range of round bar includes several grades of stainless steel, including duplex and super-duplex steel.

2017-06-28

ROUND BAR MANUFACTURING PROGRAM (INCL. NOMINAL CHEMICAL COMPOSITION)

Sandvik grade	UNS	ASTM	EN	C	Cr	Ni	Mo	Others
Sanmac® 304/304L	S30400/S30403	304/304L	1.4301/1.4307	≤0.030	18.5	8.5	-	-
Sanmac® 316/316L	S31600/S31603	316/316L	1.4401/1.4404	≤0.030	17	10.5	2.1	-
Sandvik 303	S30300	303	1.4305	<0.06	17.5	8.5	-	S
Sanmac® 4435	S31600/S31603	316/316L	1.4435	≤0.030	17.5	12.5	2.6	-
Sanmac® 4571	S31635	316Ti	1.4571	0.03	17	11	2.1	Ti
Sanmac® 2205	S31803/32205	-	1.4462	≤0.030	22.5	5.5	3.2	N
Sanmac® 329	S32900	-	1.4460	≤0.05	25.5	5	1.5	N
Sandvik SAF 32760	S32760	-	1.4501	≤0.030	25	7	3.8	W, Cu, N
Sandvik SAF 2507™	S32750	-	1.4410	≤0.030	25	7	4	N
Sanicro 28™	N08028	-	1.4563	≤0.020	27	31	3.5	Cu

DELIVERY CONDITIONS

Dimensions mm	Dimensions Inch	Tolerance mm	Tolerance Inch	Surface finish
20.00 - 70.00	0.79 - 1.18	-0/+0.13	-0/+0.005	PTB (Peel turned and burnished) 20 - 200 0.79-7.87
31.00 - 50.00	1.22 - 1.97	-0/+0.16	-0/+0.006	PT (Peel turned) 201 - 400 7.91-15.75
51.00 - 70.00	2.00 - 2.76	-0/+0.19	-0/+0.007	RM (Rough machined) 401 - 450 15.79-17.72
71.00 - 95.00	2.79 - 3.86	-0/+1.00	-0/+0.039	
96.00 - 285	3.78 - 11.22	-0/+1.50	-0/+0.059	
286 - 350	11.26 - 13.78	-0/+2.00	-0/+0.079	
351 - 450	13.81 - 17.72	-0/+3.00	-0/+0.12	
Diameter mm	Diameter Inch	Length M	Length Ft	
20.00 - 70.00	0.79 - 2.76	3 - 6.5	9.84 - 21.32	
71.00 - 325	2.75-12.79	3 - 6.9	9.84 - 22.64	
326 - 450	12.83 - 17.71	2 - 6	6.56 - 19.68	

PRODUCT STANDARDS - STOCK GRADES

Sanmac® 316/316L	Sanmac® 329	Sanmac® 2205	Sandvik SAF 32760	Sandvik SAF 2507™
<ul style="list-style-type: none"> • ASTM 316, 316L • UNS S31600, S31603 • EN 1.4401, 1.4404 • EN X 5 CrNiMo 17-12-2, X 2 CrNiMo 17-12-2 • W.Nr. 1.4401, 1.4404 	<ul style="list-style-type: none"> • EN 1.4460 	<ul style="list-style-type: none"> • UNS S31803, S32205 • EN 1.4462 • W.Nr. 1.4462 	<ul style="list-style-type: none"> • UNS S32760 • EN 1.4501 • EN X2CrNiMoCu WN25-7-4 	<ul style="list-style-type: none"> • UNS S32750 • EN 1.4410 • EN X 2 CrNiMoN 25-7-4
Sanmac® 316/316L	Sanmac® 329	Sanmac® 2205	Sandvik SAF 32760	Sandvik SAF 2507™
<ul style="list-style-type: none"> • Pressure Equipment Directive (2014/68/EU) • AD-2000-W2 • EN 10088-3, EN 10088-5 • EN 10272¹⁾, EN 10222-5³⁾ • ASTM A479, ASME SA479 • ASTM A276, ASME SA276 • NORSOK MDS S01 Rev. 4 • NACE MR 0175 / MR 0103 • Chemical composition and mechanical properties acc. to ASTM A182 	<ul style="list-style-type: none"> • Pressure Equipment Directive (2014/68/EU) • EN 10088-3 • ASTM A262 PR. E • NACE MR 0175 / MR 0103 	<ul style="list-style-type: none"> • Pressure Equipment Directive (2014/68/EU) • EN 10088-3, EN 10088-5 • EN 10272²⁾, EN 10222-5³⁾ • ASTM A479, ASME SA479 • ASTM A276, ASME SA276 • NORSOK MDS D47 Rev.5 • NACE MR 0175 / MR 0103 • Chemical composition and mechanical properties acc. to ASTM A182 	<ul style="list-style-type: none"> • Pressure Equipment Directive (2014/68/EU) • EN 10088-3, EN 10088-5 • EN 10272²⁾, EN 10222-5³⁾ • ASTM A479, ASME SA479 • ASTM A276, ASME SA276 • NORSOK MDS D57 Rev.5 • NACE MR 0175 / MR 0103 • Chemical composition and mechanical properties acc. to ASTM A182 	<ul style="list-style-type: none"> • Pressure Equipment Directive (2014/68/EU) • EN 10088-3, EN 10088-5 • EN 10272²⁾ • ASTM A479, ASME SA479 • ASTM A276, ASME SA276 • NORSOK MDS D57 Rev.5 • NACE MR 0175 / MR 0103 • Chemical composition and mechanical properties acc. to ASTM A182

PRODUCT STANDARDS - PRODUCTION GRADES

Sandvik 303/303L	Sanmac® 4435	Sanmac® 4541	Sanmac® 4571	Sandvik Sanicro 28™
<ul style="list-style-type: none"> • Pressure Equipment Directive (2014/68/EU) • EN 10088-3⁴⁾ • ASTM A582 	<ul style="list-style-type: none"> • Pressure Equipment Directive (2014/68/EU) • AD-2000-W2 • EN 10088-3, EN 10088-5 • EN 10272¹⁾, EN 10222-5³⁾ • ASTM A479, ASME SA479 • ASTM A276, ASME SA276 • NORSOK MDS S01 Rev. 4 • NACE MR 0175 / MR 0103 • Chemical composition and mechanical properties acc. to ASTM A182 	<ul style="list-style-type: none"> • Pressure Equipment Directive (2014/68/EU) • AD-2000-W2 • EN 10088-3, EN 10088-5 • EN 10272¹⁾, EN 10222-5³⁾ • ASTM A479, ASME SA479 • ASTM A276, ASME SA276 • NORSOK MDS S01 Rev. 4 • NACE MR 0175 / MR 0103 • Chemical composition and mechanical properties acc. to ASTM A182 	<ul style="list-style-type: none"> • Pressure Equipment Directive (2014/68/EU) • AD-2000-W2 • EN 10088-3, EN 10088-5 • EN 10272¹⁾, EN 10222-5³⁾ • ASTM A479, ASME SA479 • ASTM A276, ASME SA276 • NORSOK MDS S01 Rev. 4 • NACE MR 0175 / MR 0103 • Chemical composition and mechanical properties acc. to ASTM A182 	<ul style="list-style-type: none"> • Pressure Equipment Directive (2014/68/EU) • EN 10 088-3 • EN 10272 • NACE MR 0175 / MR 0103 • Chemical composition and mechanical properties acc. to ASTM A182 • Pre-approval for PMA

CERTIFICATE

<ul style="list-style-type: none"> • Status according to EN 10 204/3.1 	<ul style="list-style-type: none"> • Status according to EN 10 204/3.2 possible through TÜV, Lloyds Marine and ABS
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MANAGEMENT SYSTEM AND APPROVALS

<ul style="list-style-type: none"> • AS EN JISQ 9100 • ASME Section III (NCA-3800) 	<ul style="list-style-type: none"> • ISO 9001 • ISO 14001 • ISO 50001 	<ul style="list-style-type: none"> • OHSAS 18001 • DGRL 97/23 • DFARS 	<ul style="list-style-type: none"> • Norsok M-650 Ed. 4 • Norsok M-630 Ed. 6 	<ul style="list-style-type: none"> • PED (Pressure Equipment Directive) and AD-2000 • Merkblatt WO
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¹⁾ Applies for dimensions ≤ 375 mm with EN 10204 3.1 and ≤ 450 mm with EN 10 204 3.2 certificate

²⁾ Applies for dimensions ≤ 160 mm

³⁾ Applies for forged bar ≥ 180 mm

⁴⁾ Applies up to 350 mm for Sandvik 303/303L

STOCK PROGRAM

DIAMETER MM	INCH	WEIGHT KG/M	LB/FT	Sanmac® 316L	Sanmac® 329	Sanmac® 2205	Sandvik SAF 32760	Sandvik SAF 2507™
20.00	0.79	2.5	1.7	-	-	■	-	■
25.00	0.98	3.9	2.6	-	-	■	-	■
30.00	1.18	5.5	3.7	■	-	■	-	■
35.00	1.38	7.6	5.1	-	-	■	-	■
40.00	1.57	9.9	6.7	■	-	■	-	■
45.00	1.77	12.5	8.4	-	-	■	-	■
50.00	1.97	15.4	10.3	■	-	■	-	■
52.00	2.04	17.3	11.6	-	■	-	-	-
55.00	2.16	19.0	12.8	-	-	■	-	■
60.00	2.36	22.2	14.9	■	-	■	-	■
61.20	2.41	22.6	15.2	-	■	-	-	-
65.00	2.56	26.0	17.5	-	-	■	-	■
66.20	2.60	27.1	18.2	-	■	-	-	-
70.00	2.76	30.2	20.3	■	-	■	-	■
71.40	2.81	30.8	20.7	-	■	-	-	-
75.00	2.95	34.7	23.3	■	-	■	-	■
76.40	3.00	36	24.2	-	■	-	-	-
80.00	3.15	39.5	26.6	■	-	■	■	■
81.40	3.20	40.2	27.0	-	■	-	-	-
82.55	3.25	41.9	28.1	-	-	-	■	-
85.00	3.35	44.6	30.0	■	-	■	-	■
86.40	3.40	45.3	30.4	-	■	-	-	-
88.00	3.46	47.7	32.0	-	■	-	-	-
90.00	3.54	49.9	33.5	■	-	■	■	■
91.40	3.60	50.7	34.1	-	■	-	-	-
95.00	3.74	55.6	37.4	■	-	■	-	■
96.40	3.80	57.2	38.4	-	■	-	-	-
98.00	3.86	59.2	39.8	-	■	-	-	-
100	3.94	61.7	41.5	■	-	■	-	■
101.6	4.00	63.6	42.7	-	-	-	■	-
102	4.02	63.9	43.0	-	■	-	-	-
105	4.13	68.0	45.7	■	-	■	-	■
107	4.21	70.6	47.4	-	■	-	-	-
110	4.33	74.6	50.0	■	-	■	-	■
112	4.41	75.9	51.0	-	■	-	-	-
114.3	4.50	80.5	54.1	-	-	-	■	-
115	4.53	81.5	54.8	■	■	■	-	■
117	4.61	82.9	55.7	-	■	-	-	-
120	4.72	88.8	59.8	■	-	■	-	■
120.65	4.75	89.7	60.3	-	-	-	■	-
122	4.80	91.8	61.7	-	■	-	-	-
125	4.92	96.3	64.7	■	-	■	-	■
127	5.00	99.4	66.8	-	-	-	■	-
130	5.12	104	69.9	■	-	■	■	■
132	5.20	107	71.7	-	■	-	-	-
133.35	5.25	110	73.9	-	-	■	-	■
135	5.31	112	75.3	■	-	■	-	■
140	5.51	121	81.3	■	-	■	■	■
143	5.63	126	84.7	-	■	-	-	-
145	5.71	130	87.4	■	-	■	-	■

DIAMETER MM	INCH	WEIGHT KG/M	LB/FT	Sanmac® 316L	Sanmac® 329	Sanmac® 2205	Sandvik SAF 32760	Sandvik SAF 2507™
150	5.90	139	93.4	■	-	■	■	■
152.4	6.00	143	96.1	-	-	-	■	-
153	6.02	144	96.8	-	■	-	-	-
155	6.10	149	100.1	■	-	■	-	■
160	6.30	158	106.2	■	-	■	■	■
163	6.42	164	110.2	-	■	-	-	-
165	6.50	168	112.9	■	-	■	-	■
165.1	6.50	168	112.9	-	-	-	■	-
170	6.69	178	119.6	■	-	■	■	■
173	6.81	185	124.3	-	■	-	-	-
175	6.89	189	127.0	■	-	■	-	■
180	7.09	200	134.4	■	-	■	■	■
184	7.24	209	140.4	-	■	-	-	-
185	7.28	211	141.8	■	-	■	-	■
190	7.48	223	149.8	■	-	■	-	■
200	7.87	247	166.0	■	-	■	-	■
203.2	8.00	255	171.3	■	-	-	-	-
205	8.07	260	174.7	■	-	■	-	■
210	8.27	272	182.8	■	-	■	-	■
220	8.66	298	200.2	■	-	■	-	■
225	8.96	312	209.6	■	-	■	-	■
230	9.05	326	219.1	■	-	■	-	■
240	9.45	355	238.5	■	-	■	-	■
250	9.84	385	258.7	■	-	■	-	■
254	10.00	398	267.4	■	-	-	-	-
260	10.24	417	280.2	■	-	■	-	-
270	10.63	450	302.4	■	-	■	-	-
280	11.00	483	324.6	■	-	■	-	-
285	11.22	501	336.7	■	-	■	-	-
300	11.81	555	372.9	■	-	■	-	-
320	12.60	631	424.0	■	-	■	-	-
325	12.80	651	437.4	■	-	■	-	-
340	13.39	713	479.1	■	-	■	-	-
350	13.78	755	507.3	■	-	■	-	-
375	14.76	867	582.6	■	-	■	-	-
400	15.75	987	663.2	■	-	■	-	-
406.4	16.00	1043	701.0	■	-	-	-	-
425	16.73	1114	748.6	■	-	■	-	-
450	17.72	1249	839.3	■	-	■	-	-

Please note that this stock list is valid at the time of issue. For possible changes, inquiries and pricing, please contact your Sandvik sales representative. Weights used in the table are approximate. Actual weight may change as per diameter and material grade, and will be stated in the delivery documents.

- Can be cut and delivered in customized lengths on request
- Can be produced as a mill order from Sandviken

