

Toolox® engineering & tool steel dimensional program plate & blocks

Plate quantity and dimension for Toolox® 33 and SM 100

Ordered plate thickness (mm)	Plate width (mm)	Plate length (mm)	Number of plates
6	2050	5500	7
10	2050	5500	7
20	2050	5500	4
30	2050	5000	3
40	2050	5500	2
50	2050	4700	2
60	2050	4000	2
70	2050	5500	1
80	2050	3800	2
90	2050	5500	1
100	2050	5500	1
110	1650	5500	1
120	1650	5500	1
130	1650	5500	1
140	1650	5200	1
150	1650	5000	1
160	1650	4600	1
170	1650	4300	1

Plate quantity and dimension for Toolox® 44, Toolox® 46 and SM 140

Ordered plate thickness (mm)	Plate width (mm)	Plate length (mm)	Number of plates
6	2050	5500	7
10	2050	5500	7
20	2050	5500	4
30	2050	5500	3
40	2050	5500	2
50	2050	4200	3
60	2050	5200	2
70	2050	4500	2
80	2050	3800	2
90	2050	5500	1
100	2050	5500	1
110	1650	5500	1
120	1650	5500	1
130	1650 ^{*)}	5500	1
140	1650 ^{*)}	5200	1
150	1650 ^{*)}	5000	1
165	1650 ^{*)}	4600	1

^{*)} The plate width for SM140 in thickness range of 130 - 165 mm is 1350 mm.

The production is based on standard slabs and standard plate width. This results in the above tables.

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Thickness range

Products	Thickness (mm)
Toolox® 33	6 - 130
Toolox® 40	20 - 80
Toolox® 44	6 - 130
Toolox® 44 Blocks	150 - 320 ^{*)}
Toolox® 46	60 - 130
SM 100	>130 - 170
SM 140	>130 - 165

^{*)} See page 2 for information regarding dimensions and tolerances.

Thickness tolerances plate - Toolox® guarantees

Ordered plate thickness (mm)	Min. tolerance (mm)	Max. tolerance (mm)	Max deviation within one single plate (mm)
6.0 - 7.9	0	+0.8	0.6
8.0 - 14.9	0	+1.0	0.7
15.0 - 24.9	0	+1.2	0.8
25.0 - 35.0	0	+1.5	1.0
35.1 - 80.0	0	+2.4	1.1
80.1 - 130.0	0	+2.4	1.2
130.1 - 170.0	0	+3.2	-

Plate flatness

Ordered plate thickness (mm)	Tolerance 1000 mm ruler	Tolerance 2000 mm ruler
6.0 - 7.9	4 mm	8 mm
8.0 - 104.0	3 mm	6 mm
104.1 - 170.0	5 mm	8 mm

Plate length tolerances

Ordered plate length (mm)	Min. tolerance (mm)	Max. tolerance (mm)
0 - 3999	0	200
4000 - 5999	0	300
6000 - 7999	0	400
8000 - 9999	0	500
10000 - 12000	0	750

Plate width tolerances

Ordered plate width (mm)	Min. tolerance (mm)	Max. tolerance (mm)
1650 - 2050	0	70
2050 -	According to EN 10029 standard.	

Block nominal dimension

Thickness (mm)	Width (mm)	Length (mm)
150	710	5400
165	710	5000
185	710	4500
210	710	3900
230	710	3600
260	710	3200
290	710	2800
320	710	2600

Blocks tolerances

Length *)	-500/+500 mm
Thickness	0/+3.2 mm
surface condition	Milled to roughness of max Ra 12.5 µm Oiled as corrosion protection
Flatness	Max deviation 1 mm /m

*) Valid for all thicknesses.

Tailor-made plate dimensions

Tailor-made length, width and thicknesses for Toolox® plates. Below you find our technical possibilities.

Thickness (mm)	Width (mm)															
	1680-1900	1901-2000	2001-2100	2101-2200	2201-2300	2301-2400	2401-2500	2501-2600	2601-2700	2701-2800	2801-2900	2901-3000	3001-3100	3101-3200	3201-3300	3301-3350
6.0 - 7.9	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	-	-
8.0 - 19.9	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000
20.0 - 40.0	12000	12000	12000	12000	12000	12000	12000	12000	12000	12000	-	-	-	-	-	-
40.1 - 45.0	12000	12000	12000	12000	12000	12000	12000	12000	11600	11200	-	-	-	-	-	-
45.1 - 50.0	12000	12000	12000	12000	12000	11800	11500	11000	10500	10000	-	-	-	-	-	-
50.1 - 55.0	12000	12000	12000	11600	11100	10600	10200	9800	9400	9100	-	-	-	-	-	-
55.1 - 60.0	12000	11700	11200	10600	10200	9700	9300	8900	8600	8300	-	-	-	-	-	-
60.1 - 65.0	11500	10800	10300	9800	9300	8900	8600	8200	7900	7600	-	-	-	-	-	-
65.1 - 70.0	10500	10000	9500	9100	8700	8300	7900	7600	-	-	-	-	-	-	-	-
70.1 - 75.0	10000	9300	8900	8400	8100	7700	-	-	-	-	-	-	-	-	-	-
75.1 - 80.0	9300	8700	8300	7900	7500	7200	-	-	-	-	-	-	-	-	-	-
80.1 - 85.0	8800	8200	7800	7400	7100	6800	-	-	-	-	-	-	-	-	-	-
85.1 - 90.0	8300	7700	7300	7000	6700	6300	-	-	-	-	-	-	-	-	-	-
90.1 - 95.0	7800	7300	6900	6600	6300	6000	-	-	-	-	-	-	-	-	-	-
95.1 - 100.0	7400	6900	6500	6100	5900	5600	-	-	-	-	-	-	-	-	-	-
100.1 - 105.0	7000	6600	6200	5800	5600	5300	-	-	-	-	-	-	-	-	-	-
105.1 - 110.0	6700	6200	5900	5600	5300	5000	-	-	-	-	-	-	-	-	-	-
110.1 - 115.0	6300	6000	5700	5400	5100	4800	-	-	-	-	-	-	-	-	-	-
115.1 - 120.0	6000	5700	5400	5100	4900	4600	-	-	-	-	-	-	-	-	-	-
120.1 - 125.0	5800	5400	5200	4900	4700	4400	-	-	-	-	-	-	-	-	-	-
125.1 - 130.0	5500	5200	5000	4700	4400	4100	-	-	-	-	-	-	-	-	-	-
130.1 - 135.0	5200	5000	4800	4500	4300	4000	-	-	-	-	-	-	-	-	-	-
135.1 - 140.0	5000	4700	4400	4200	3900	3700	-	-	-	-	-	-	-	-	-	-
140.1 - 145.0	4800	4500	4300	4000	3800	3600	-	-	-	-	-	-	-	-	-	-
145.1 - 150.0	4600	4400	4100	3900	3600	3400	-	-	-	-	-	-	-	-	-	-
150.1 - 155.0	4500	4200	3900	3700	3500	3300	-	-	-	-	-	-	-	-	-	-
155.1 - 160.0	4300	4000	3800	3500	3300	-	-	-	-	-	-	-	-	-	-	-
160.1 - 170.0	4100	3900	3600	-	-	-	-	-	-	-	-	-	-	-	-	-

Contact and Information

Recommendations can be found in SSAB's brochures on www.toolox.com or consult Tech Support at www.ssab.com.