

HARDOX® ROUND BARS DIMENSIONAL PROGRAM

Dimension range

Product	Ø (mm)
Hardox® 400	40.0 - 100.0
Hardox® 500	40.0 - 160.0

Standard dimensions

The dimension table shows available dimensions in mm for direct order including standard length.

Dimension Ø (mm)	Standard length (mm)	
	Hardox® 400	Hardox® 500
40	5000	5000
50	5000	5000
60	5000	5000
70	5000	5000
80	5000	5000
90	5000	5000
100	5000	5000
110		5000
120		5000
130		5000
140		5000
150		5000
160		5000

Length tolerances according to EN 10060 with tolerance -0/+200 mm up to Ø 160 mm.

The minimum order quantity is 6 ton for Ø < 75 mm. For Ø ≥ 75 mm, the minimum order quantity is 4 ton. For more information regarding further dimensions, test deliveries, lengths on request from new rolling, please contact barsales@ssab.com.

Diameters

Dimension Ø (mm)	Tolerances, Rolled surfaces (mm)	
	Min	Max
40.0 - 50.0	- 0.80	+ 0.80
52.0 - 60.0	- 1.00	+ 1.00
75.0	- 1.00	+ 2.50
80.0	- 0.50	+ 3.00
85.0 - 100.0	- 1.00	+ 2.50
105.0	- 0.00	+ 3.50
110.0 - 115.0	- 1.00	+ 2.50
120.0	- 0.00	+ 2.50
125.0 - 155.0	- 0.00	+ 3.00
160.0	- 0.00	+ 3.50

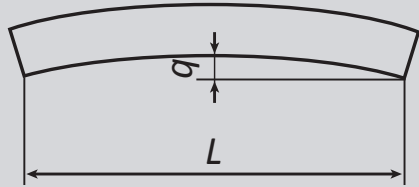
Tolerances for bar diameter are according to EN 10060 for Ø < 75 mm. For Ø ≥ 75 mm, the tolerances are according to SSAB specification.

Ovality

Tolerances for rolled surface according to EN 10060 meaning the deviation of roundness shall not exceed 75% of the diameter tolerance range.

Straightness

Tolerances for straightness are tighter than those given in EN 10060. The deviation is considered as the maximum height of the arch, while using a calibrated 1 meter ruler. The maximum allowed deviation is 2 mm/m.

Straightness, q	
	
Normal Ø	Tolerances
25 < d ≤ 80	q ≤ 0.4% of L
80 < d ≤ 250	q ≤ 0.25% of L

Surface conditions

Hardox[®] bars are delivered in as rolled condition.

Possible add-in Processes:

The following processes are offered as added process before delivery: cut to demanded length, surface machining to reach bright surface or tight tolerances.

Contact information

www.ssab.com/contact

Tolerances

For more information on dimensions, length and other requirements, please contact your local sales representant or Tech support.