



# ELSTAHL

## SUMMARY OF ANODE AND CATHODE STEEL BARS

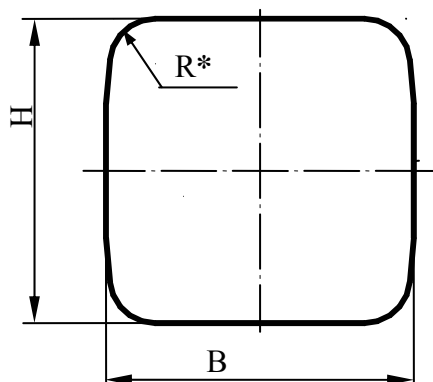
### 1. ROUND BARS

Diameter, mm	Tolerance per size, mm	Cutting (length × pieces), mm
110	+/-2.0	$L=(5530+50) \times 7$
110	+/-2.0	$L=(6000+50) \times 6 + (3530+100) \times 1$
120	+/-2.0	$L=(5535+50) \times 6$
120	+/-2.0	$L=(6000+50) \times 5 + (3170+100) \times 1$
120	+/-2.0	$L=(5590+50) \times 6$ multiple 430
120	+/-2.0	$L=(5600+50) \times 6$ multiple 280
120	+/-2.0	$L=(5610+50) \times 6$ multiple 330
120	+/-2.0	$L=(5850+50) \times 5 + (4050+100) \times 1$ multiple 450
125	+/-2.0	$L=(6000+50) \times 5$
125	+/-2.0	$L=(6050+50) \times 5$
128	+/-2.0	$L=(5800+50) \times 5$
128	+/-2.0	$L=(5850-0/+50) \times 5$
130	+/-2.0	$L=(6000+50) \times 4 + (4300+100) \times 1$
140	+/-2.0	$L=(6000+50) \times 4$
140	+/-2.0	$L=(5800+50) \times 4$
145	+/-2.0	$L=(5800+50) \times 3 + (5300+100) \times 1$
145	+/-2.0	$L=(5690+50) \times 4$
145	+/-2.0	$L=(6000+50) \times 3 + (4700+100) \times 1$
150	+/-2.0	$L=(5900+100) \times 3 + (3500+200) \times 1$
150	+/-2.0	$L=(6000+50) \times 3 + (3400+100) \times 1$
155	+/-2.0	$L=(5040+50) \times 3 + (4760+100) \times 1$ multiple 280
160	+/-2.0	$L=(6000+50) \times 3$
160	+/-2.0	$L=(4760+50) \times 3 + (4480+100) \times 1$ multiple 280
160	+/-2.0	$L=(4950+50) \times 3 + (3960+100) \times 1$ multiple 330
170	+/-2.5	$L=(5520+50) \times 3$
170	+/-2.5	$L=(5760+50) \times 2 + (5040+100) \times 1$
180	+/-2.5	$L=(4900+50) \times 3$
180	+/-2,5	$L=(4970+50) \times 3$
180	+/-2,5	$L=(5120+50) \times 2 + (4480+100) \times 1$ multiple 320

## 2. FLAT BARS

Width, mm	Thickness, mm	Radius of corners, mm	Length , Tolerances, mm	Theoretical weight of 1 m per kg
160±2.5	70 +2.0/-3.0	15 +5	1854 -0/+20	85.7
165±2.5	70 ±2.0	max 15	2237 -2/+3	90.1
165±2.5	80±2.0	max 15	2015 -2/+3	103.0
170-5/+2	60 -1/+2	9	2270 ±10	79.5
170-5/+2	60 -1/+2	9	2070 ±10	79.5
170±3	60±2	9	2085 -0/+10	79.5
180±3,5	80±2,5	9	2190-0/+20	112,5
170±3	60±2	9	2195 -0/+10	79.5
170±3.5	60±2.5	9	2200 -0/+20	79.5
170±3	60±2	9	2250 -0/+10	79.5
180±3.5	65±2.5	9	4500 -0/+20	91.3
180±3.5	65±2.5	9	2380 -0/+10	91.3
180±3.5	65±2.5	9	3944 -0/+10	91.3
180±3.5	80±2.5	9	2200 -0/+10	112.5
180±3.5	80±2.5	9	2350 -0/+10	112.5
180±3,5	80±2,5	9	(4475+50)×5+(3710+100)×1	112,5
180±3,5	80±2,5	9	(4485+40)×5+(3660+100)×1	112,5
180±3.5	80±2.5	9	(4510+20)×5+(3620+20)×1	112.5
180±3.5	90±2.5	9	(4800+20)×4+(4050+100)×1	126.6
190±3.0	80±2.0	9	2000 -0/+20	118.8
220±4.0	90±2.0	10 -1/+5	1920 -0/+20	154.8
220±4.0	90±2.0	10 -1/+5	2050 -0/+20	154.8

### 3. SQUARE BARS



B, mm	H, mm	R, mm	Length, Tolerance, mm	Theoretical weight of 1 m per kg	Deviation of straightness of billets, mm per meter.
140±2,8	140±2,5	20	3680+10	150,4	Curvature on flat and rib: for 30% of square billets – 5 mm per length of 1 meter; for 70% of square billets – 5 mm on whole length and 2 mm on length of 1 m.
140±2,8	140±2,5	20	2170 ±5	150,4	
150±3,0	150±3,0	21	2200 +20/-5	172.7	2
150±3,0	150±3,0	21	1500 +15/-5	172.7	2