

Assortment

Description	Size, mm	Tolerance, mm
Square Bar ingot acc. TU 14-1-4492-88	100, 105, 115, 120, 125, 140, 150, 160, 170, 180, 190, 200	
Square Bars acc. technical agreements	63x63, R9, 65x65, R9, 70x70, R9 75x75, R12, 80x80, R12, 154x154, R21	+ -1.6 + -2.0
Rectangular Bars acc. technical agreements	60x150, 65x180, 80x180, 100x140	+ -2.5x + -3.5
Rectangular strip bars acc. GOST 103-76	40x20, 25, 28, 30; 45x16, 20, 25, 28, 30; 50x20, 25, 28, 30, 32, 36; 56x20, 25, 28, 30, 32, 36; 80x12, 14, 16, 18; 85x12, 14, 16, 18; 90x12, 14, 16, 18; 95x12, 14, 16, 18; 100x12, 14, 16, 18	
Rectangular strip Bars acc. technical agreements	Thickness 10-50, Width 100-200	
Flat bar ingot acc. technical agreements	Height 50-200, Width 200-300	
Hot rolled round bar of regular precision acc. GOST 2590-88 or DIN1013	28, 30, 32, 34, 36, 38, 40, 42, 45, 48, 50, 53, 56, 57.5, 60, 62, 63, 65, 67, 70, 72, 73, 75, 80, 85, 87, 90, 95, 100, 105, 110, 120, 126.5, 128, 130, 135, 138, 140, 150, 160, 180	
Hot rolled bar acc. DIN1013	115 125-134	+ -1.5 + -2.0
Surface processing with needle milling of bars in cold condition acc. technical agreements	30-80	
Hot rolled round bars with hot calibration acc. technical agreements.	27, 28, 29, 30 32, 33, 34, 35, 36, 38, 40 42, 45, 47, 48, 50 52, 53, 54, 55, 56, 57, 60 65, 68, 70, 72	-0.4 -0.5 -0.5 -0.6 -0.6
Bars with machined surface	25-70	+ -0.2

- a) According to the technical agreement, conventional accuracy hot rolled bars in accordance with GOST 2590-88 or DIN 1013 may be produced with diameter 180mm.
- b) If amount to order is more than 150 tones, hot calibrated rounds may be produced with any diameter value (including fractional) within 28-70mm.
- c) Conventional accuracy hot rolled bars may be exported if weight of each position is no less than 10 tones.
- d) Hot rolled bars is supplied according to a customer request with curvature value not exceeding 5% of the length (curvature standard accuracy), with curvature not exceeding 0,4% of the length (curvature extra accuracy), and with curvature not exceeding 0,25% of the length (curvature high accuracy).
- e) According to the technical agreement, hot rolled bars may be supplied with clarified surface (descaling) with needle-milling machine.
- f) According to the technical agreement, hot rolled bars may be supplied with chamfering at one or both ends of bars.
- g) On the customer request, hot rolled bars with diameter 30-110 mm may be heat-treated – “high temperature tempered”.
- h) The rolled metal surface quality ensures its using for hot treatment with pressure (forging or stamping) or for machining.
- i) Metal structure conditioning quality guarantees high rate of deformation (no less than 5).
- j) Marking and packing of the rolled metal is standard (color marking may be done according to the customer request), packages weight is up to 5 tones, in compliance with the request, rolling may be supplied in packages no more than 3 tones.