

BARS OF CIRCULAR CROSS-SECTION



The Special Steels are manufactured at TEPROSTEEL, subsidiary company of SIDENOR Group, in Pernik Bulgaria. The products are used in the forging, mechanical processing chrome plating, hydraulic cylinder industrial sectors who manufacture parts for mechanical, agriculture, automotive and other engineering applications.



TECHNICAL SPECIFICATIONS



TYPE:

Round Hot Rolled Bars and Peeled/Polished bars (Bright Steels)



STEEL GRADE:

Carbon and low Alloyed Structural Steels, Free Cutting Steels, etc.



FORM - DIAMETER:

Straightened bars of circular cross-section with diameters from 20 to 120 mm (hot-rolled steel bars) and 20-100mm (bright steels)



LENGTH - TOLERANCE:

Bar length 6m with tolerance -0 / +100mm

PACKING - WEIGHT:

Bundles weighing 1,000 - 3,500kg

DIMENSIONS - WEIGHT - TOLERANCES:

According to EN 10060 (hot-rolled steel bars) and EN 10278 (bright steels)

SALES NETWORK

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SPECIFICATIONS OF PRODUCTS

PRODUCT / STANDARD	DIAMETERS (mm)	LENGTH (mm)	QUALITY OF SURFACE	PACKING	MINIMUM ORDER PER DIAMETER
Hot-Rolled bars/ EN10060	20-120	6000 0/+100	Class A, B/ EN10221	In bundles of up to 3,5MT	2MT
Peeled & Polished steels /EN10277, h9-h11/ EN10278	20-100	6000 0/+200	Maximum defect depth 0.2-0.3mm	In bundles 1-1,5MT oiled, covered with nylon or paper	1MT

STEEL GRADES

DESCRIPTION	GRADE
Steels for General Structural Use acc. EN 10025	S235JR, S355J0, S355J2
Steels for Quenching and Tempering acc. EN 10083-2, EN 10083-3 (non heat-treated)	C22, C35, C45, C50, C55, C60 41Cr4
Steels for Case Hardening acc. EN 10084 (non heat-treated)	C10, C15, 16MnCr5, 20MnCr5
Micro-alloyed Steels	18MnV5, 20MnV6
Free Cutting Steels acc. EN 10087	11SMn30/ 11SMn37, 35520
Other steel grades on request	LF2, 40X, 55XG, 070M20 (BS970), 080M40 (BS970)

- Chamfering on one or both sides
- Cutting in 3m lengths
- Special lengths: 4,0m - 7,5m upon order
- Marking: Labels with steel producer, size, steel grade, heat number, number of bars
- Mill certification: according to EN 10204/3.1 or 2.2