

3. Hot-rolled steel flats

3.1. HOT-ROLLED STEEL SUPPLIED TO THE DOMESTIC MARKET

Hot-rolled carbon quality and common quality general application steel sheet, grades 08ps, 10ps, 10, 15ps, 15, 20ps, 20, St1ps, St1sp, St2ps, St2sp, St3ps, St3sp under GOST 16523-97 and 08Yu, 08ps with chemical composition under GOST 9045-93.

Common quality carbon steel plate, grades St2ps, St2sp, St3ps, St3ps, St3Gps, St3Gsp under GOST 14637-89.

Wide structural quality steel plate, grades 60G, 65G under GOST 1577-93.

Hot-rolled high strength steel sheet under GOST 17066-94.

Hot-rolled structural quality cold forming steel sheet, grades 08ps, 08Yu, 08YuA, 10YuA, 15YuA, 20YuA under GOST 4041-71.

Hot-rolled pickled low-alloy steel plate, grade 07GFYu for cold forming under TU 14-106-649-2002.

Hot-rolled high-strength steel grades 17GS, 17G1S, 09G2, 09G2S, 10GaS1, 10HNDP, 10HSND under GOST 19281-89.

Hot-rolled steel for shipbuilding, grades A, B, D, E, A32, D32, E32, A36, D36, E36.

Hot-rolled carbon and low-alloy steel for gas and oil pipes and general application pipes in accordance with special technical specifications, grades 13GS, 17G1S, 17G1S-U, 22GYu, St2ps, St2sp, St3ps, St3sp, 08ps, 10ps, 10, 20ps, 20, 09G2FB, 10G2FB. On customers' demand we produce steels with ultra-low sulfur content (0.005% maximum), phosphorus content (0.010% maximum) and non-ferrous metals content (Cr + Ni + Cu + Mo 0.15% maximum).

Hot-rolled tear-drop pattern steel, grades St1ps, St1sp, St2ps, St2sp, St3ps, St3sp, 20, 20ps under GOST 8568-77.

On customer demand steel with special mechanical properties can be produced.

Figure 3.1. Thickness-to-width relation for hot-rolled low-carbon and carbon steel, grades 08ps, 08Yu, 10ps, 10, St1ps, St2ps, St2sp, 08YuA, 10YuA

Strip thickness, mm	Strip width, mm							
	900	1280	1360	1440	1550	1640	1710	1850
1.45								
1.8								
2.0								
3.0								
3.5								
up to 14.0								

Hot-rolled material with other product mix requirements, including in terms of thickness to width ratio may be produced on special order subject to an additional agreement.

3. Hot-rolled steel flats

3.1. HOT-ROLLED STEEL SUPPLIED TO THE DOMESTIC MARKET

Figure 3.2. Thickness-to-width relation for hot-rolled carbon steel, grades 15ps, 15, St3ps, St3sp, 20ps, 20, 20YuA, 15YuA

Strip thickness, mm	Strip width, mm							
	900	1280	1360	1440	1550	1640	1710	1850
1.8								
1.9								
2.0								
3.0								
4.0								
up to 14.0								

Hot-rolled material with other product mix requirements, including in terms of thickness to width ratio may be produced on special order subject to an additional agreement.

Figure 3.3. Thickness-to-width relation for hot-rolled low-alloy steel, grades 17GS, 17G1S, 09G2, 09G2S, 10G2S1

Strip thickness, mm	Strip width, mm							
	900	1280	1360	1440	1550	1640	1710	1850
3.0								
4.0								
6.0								
7.0								
up to 14.0								

Hot-rolled material with other product mix requirements, including in terms of thickness to width ratio may be produced on special order subject to an additional agreement.

Figure 3.4. Thickness-to-width relation for tear-drop pattern sheet, grades St1, St2, St3.

Strip thickness, mm	Strip width, mm							
	900	1280	1360	1440	1550	1640	1710	1850
2.5								
3.5								
6.0								
up to 14.0								

Hot-rolled material with other product mix requirements, including in terms of thickness to width ratio may be produced on special order subject to an additional agreement.