

NUMBER/2007 B. 19026-74

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SUPERSEDES.

I 2910



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I. 2910.

Hot-rolled Armored Steel for Armored Engg  
Grades

GOST B19526-74 (I.2910).

Approved by State Committee of standards of Soviet  
Minister USSR by Order No.461, dt 20th February, 1974.

effective from 01.01.1975.

Non-adherence to the standard is punishable by law.

1. The present standard pertains to the Armored steel and establishes the grades of steel for hot-rolled sheet and rolling section, meant for the manufacture of parts of anti-bullet and anti-missile defence and also for design of armored engineering components.

2. Grades and chemical composition of steel should correspond to the values indicated in Table 1.

3. Grades and Hardness for individual components as specified in armoured list.

Basic purpose of steel grades are as indicated in Table 2.

Table 1

Grade of steel	Percentage of Elements %										Conventional Designation
	C	Mn	Si	Cr	Ni	Mo	W	P	S	not more than	
277 (26FCM)	0,23-0,29	1,20-1,60	1,20-1,60	He 50	He 60	0,15-0,25	0,30	0,025	0,025	0,025	1
43TTCM (28X2M)	0,25-0,31	0,30-0,55	0,18-0,35	1,00-2,30	B3	0,30	0,30	0,025	0,025	0,025	3
49C (31X1H(M))	0,28-0,34	0,30-0,55	0,18-0,35	1,40-1,90	1,00-1,50	0,25-0,35	0,30	0,025	0,025	0,025	9
42CM (31X2H(M))	0,29-0,34	0,30-0,50	0,19-0,35	1,80-2,30	1,40-1,90	0,28-0,38	0,30	0,025	0,025	0,025	4
52C (30X2H2(M))	0,27-0,33	0,30-0,50	0,18-0,35	1,80-2,30	1,80-2,30	0,28-0,38	0,30	0,025	0,025	0,025	2
53C (29X2H3(M))	0,26-0,32	0,30-0,50	0,18-0,35	1,90-2,30	2,50-3,00	0,28-0,38	0,30	0,025	0,025	0,025	23
55K (28X1H)	0,25-0,31	0,30-0,60	0,15-0,33	1,50-1,80	0,60-1,20		0,30	0,025	0,025	0,025	5

Note: 1. On customer's requirement, steel of Grade 277 may be manufactured with narrowed limits in carbon.

2. With mutual consent, in production, separate mills are allowed, having deviation on standard chemical composition, not more than in two elements, from the standard indicated in Table 2

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Table 2

Grade of steel	Purpose
2F1	Anti-bullet armor (casing) of high hardness and armored design components having thickness upto 22mm including.
43HGM	Anti-bullet armor of average hardness having thickness upto 20mm including Anti-missile <del>armor of average hardness and armored design components having thickness 35-75mm including.</del> armor of average hardness and armored design components having thickness 35-75mm including.
4 9C	Anti-missile armor of average hardness having thickness 35-75mm including.
426M	Anti-missile armor of average hardness having thickness 60-70mm including.
52C	-do- -do- 80-120mm
53C	-do- 100-160mm
66X	Armored design components having thickness upto 30mm.