

SECRET

COPY NO. 4

INVENTORY NO.

I-2910



HOT ROLLED ARMOUR STEEL

FOR

ARMoured VEHICLES

GRADES

GOST B 19526 - 74

EXTRACT FROM STATE STANDARD

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CHECKED BY :

DATED: 30.12.83

GOST. B 19526-74

CHECKED BY *[Signature]*

APPROVED BY *[Signature]*

Abstract



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ORDNANCE FACTORY MEDAK

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EXTRACT FROM STATE STANDARD

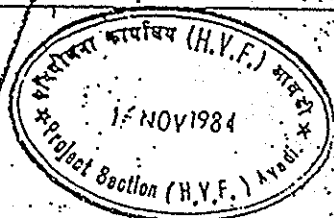
HOT ROLLED ARMOUR STEEL

FOR ARMURED VEHICLES GRADES GOST B 19526-74

1. The present standard is applicable to the Armour Steels and specifies Grades of Hot Rolled plate and structural steel, intended for the manufacturing of Bullet and shell-proof components and armoured vehicle structural components.
2. The grades and chemical composition of steel should comply with the specified in Table-1.
3. The grade and hardness of particular components are specified in the armour list.
4. The basic characteristics of Steel grades are listed in Table 2.

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TABLE

STEEL GRADE	CHARACTERISTICS
2 # 17	Bullet-proof armour plates of high hardness and structural armoured components having a thickness upto 22 MM inclusive.
43 17 CM	Bullet-proof armour plates of medium hardness with a thickness of upto 25 MM inclusive. Shell-proof armour plates of medium hardness and structural components having a thickness of upto 30MM inclusive.
49 C	Shell-proof armour of medium hardness having a thickness of 35 to 75 MM inclusive.
42 CM	Shell-proof armour of medium hardness having a thickness of 60 to 90 MM inclusive.
52 C	Shell-proof armour of medium hardness having a thickness of 80-120 MM inclusive.

TABLE I

	CARBON	MANGANESE	SILICON	CHROMIUM	NICKEL	MOLYBDENUM	COPPER	SULPHUR	PHOSPHORUS
2 IT (26CM)	0.23-0.29	1.20-1.60	1.20-1.60	not more than 0.30	Not more than 0.50	0.15-0.25	0.30	0.025	0.025
43CM (28 x 2 M)	0.25-0.31	0.30-0.55	0.18-0.35	1.80-2.30	Not more than 0.50	0.25-0.35	0.30	0.025	0.025
49 C (31 x 1 1/2 M)	0.28-0.34	0.30-0.55	0.18-0.35	1.40-1.90	Not more than 0.50	0.25-0.35	0.30	0.025	0.025
42 CM (31 x 2 1/2 M)	0.28-0.34	0.30-0.50	0.18-0.35	1.80-2.30	1.40-1.90	0.28-0.38	0.30	0.025	0.025
52 C (30x2H2M)	0.27-0.33	0.30-0.50	0.18-0.35	0.18-0.35	1.80-2.30	1.80-2.30	0.30	0.025	0.025

- REMARKS :
1. On the consumer's request steel 2 M may be manufactured with Carbon limits reduced.
 2. Upon agreement between the Supplier and the Customer, the chemical composition of separate meltings may differ by the values of not more than two components from those specified in Table 1.

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