



SWEBOR ARMOR 560 BALLISTIC PROTECTION STEEL

Swebor Armor 560 is a low alloyed ballistic protection steel. Swebor Armor 560 is available in thickness 2,0-16,0 mm. Low carbon and manganese content in combination with its very carefully controlled heating, rolling and cooling sequences gives Swebor Armor 560 its good combination of hardness, high strength, weldability and ballistic protection ability.

APPLICATION

Swebor Armor 560 can help to lower the weight. Swebor Armor is suitable as an "add on" armor. Swebor Armor 560 has excellent ballistic protection properties in combination with high hardness and strength but still remains easy to handle in the workshop. Recommended thickness for each protection level is shown in the table below. To verify actual ballistic protection properties, test must be performed for each application.

CHEMICAL COMPOSITION

	C %	Si %	Mn %	P %	S %	S + P %	Others %
Max.	0,36	0,60	1,60	0,020	0,010	0,025	Cr and B

DIMENSION RANGE

Swebor Armor 560 is available in the range of sizes shown in the table below in rolled condition with mill edge.

THICKNESS	WIDTH	LENGTH	NORMAL STOCK DIMENSION
mm	mm	mm	mm
2.00 - 2.49	1000 - 1150*	1500 - 7000	1000x3000
2.50 - 2.99	1000 - 1300*	1500 - 4000	1000x3000
3.00 - 6,50	1000 - 1550	1500 - 8000	1500x3000
7,00 - 16,00	1000 - 1550	1500 - 6100	1500x3000

*1500 mm width might be possible. Discussion Required.

WIDTH TOLERANCE

0 + 20 mm

THREAT	FIRING DISTANCE	IMPACT VELOCITY (m/s)	THICKNESS SWEBOR ARMOR 560	PROTECTION LEVEL / CLASS
Assault Rifle 7.62 mm x 51 (NATO ball) / FJ/PB/SC	10 m	830 ± 10 838 ± 15	5,5 mm	EN 1063 BR6 NIJ Level III
Assault Rifle 5.56 mm x 45 (SS 109) FJ/PB/SCP1	10 m	950 ± 10	5,5 mm	EN 1522 FB6 (Plus 7,62x51 BR6) VPAM 7
Assault Rifle 5.56 mm x 45 (M193 / SS92)FJ/PB/HC1	10 m	990 ± 10	9,0 mm	SS92/M193
Assault Rifle 7.62 mm x 39 API BZ / FMJ/PB/HC1	10 - 30 m	740 ± 10	11,0 mm	VPAM 8

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