



DEFENCE INDUSTRY



SIJ Metal Ravne belongs to the group of mini mills at the global level. We found our opportunity in the so-called niche production which is characterized by specific knowledge and experience, larger flexibility and higher added value. We produce steel in an electric arc furnace, casting it into ingots and rolling or forging into high-quality long steel products. For the most challenging conditions we use VOD (Vacuum Oxygen Decarburization) and ESR (Electroslag Remelting) methods. Our own Steel Plant, Forging Shop, Rolling Mill and a wide range of heat treatment and machining processes allow us to produce a rich pallet of more than 200 steel grades in different dimensional shapes.

SIJ Metal Ravne is a member of the SIJ Group – Slovenian Steel Group

MATERIALS FOR THE DEFENCE INDUSTRY

Supplying material for the defence industry means ensuring high product quality, the ability to develop new steel grades, and working closely with customers on continuous improvement. SIJ Metal Ravne supplies the defence industry with a wide range of material grades and has proven its ability to respond quickly to evolving customer needs. With carefully selected input materials for steel production, and with processes such as ESR remelting, forging, and/or rolling, we produce high-quality steels.

As a producer of steel materials with 400 years of tradition, we are well positioned to support the highly demanding defence sector.



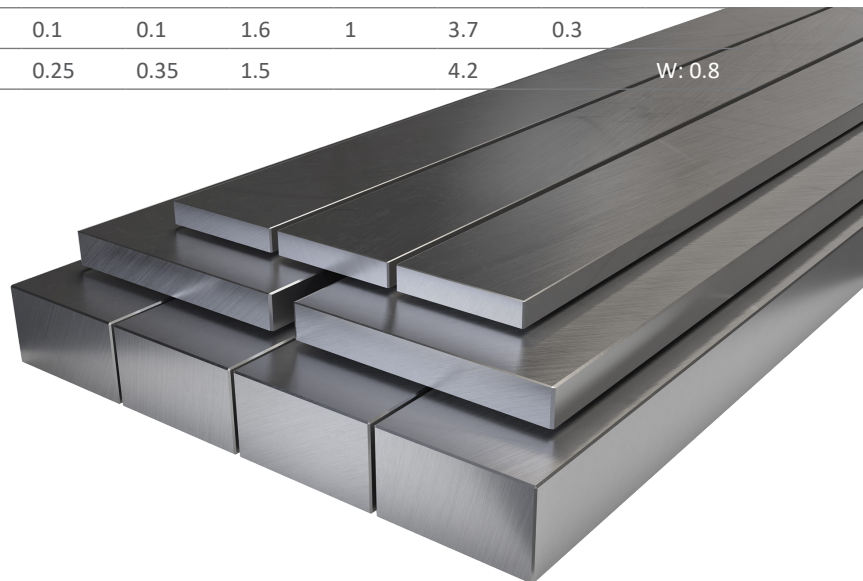
STEEL GRADES

SIJ Brand	W.Nr.	DIN	EN	AISI / ASTM / ASME
SINOXX 4005	1.4005	X12CrS13	X12CrS13	416
SINOXX 4006	1.4006	X12Cr13	X12Cr13	~410
SINOXX 4057	1.4057	X17CrNi16-2	X17CrNi16-2	431
SIQUAL 2764	1.2764	X19NiCrMo4		
SIQUAL 5737	1.5737	30NiCr11		
SIQUAL 5860	1.5860	14NiCr18		
SIQUAL 6580	1.6580	30CrNiMo8	30CrNiMo8	
SIQUAL 6582	1.6582	34CrNiMo6	34CrNiMo6	~4337
SIQUAL 6655	1.6655	32NiCrMo12-5		A723
SIQUAL 6747	1.6747	30NiCrMo16-6	30NiCrMo16-6	
SIQUAL 6773	1.6773	36NiCrMo16	36NiCrMo16	
SIQUAL 6959	1.6959	35NiCrMoV12-5		
SIQUAL 7103	1.7103	67SiCr5		
SIQUAL 7225	1.7225	42CrMo4	42CrMo4	
SIQUAL 7707	1.7707	30CrMoV9	30CrMoV9	
SIQUAL 7765	1.7765	32CrMoV12-10		~6481C
SIQUAL S130	≈1.6582			~4340

SIJ Metal Ravne brands

Chemical composition (wt %)

SIJ Brand	AISI / ASTM / ASME	C	Si	Mn	Cr	Mo	Ni	V	Other
SINOXX S230	416R	0.13	0.35	0.4	12.2	0.35	0.33		S : 0.11
SIQUAL M130		0.48	0.3	0.7	1	0.25	1.7	0.15	
SIQUAL M240		0.37	0.25	0.5	0.88	0.23	2.95		
SIQUAL M241		0.3	0.25	0.7	1.9	0.35	2.6		
SIQUAL M243		0.37	0.25	0.25	1	0.5	3.2	0.13	
SIQUAL M250		0.39	0.1	0.1	1.6	1	3.7	0.3	
SIQUAL M350		0.22	0.25	0.35	1.5		4.2		W: 0.8



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