

Valbruna Group is manufacturer and distributor of steel used for the production of firearms by Italian and foreign manufacturers, which are authorized for this purpose by empowered National and/or International Bodies.

Valbruna can not be held liable for any improper, illegal or unauthorized use by anyone of weapons made with Valbruna Group's material.

Valbruna Group strongly disapproves of any use of weapons not complying with the provisions of laws, especially by anyone who intends to bring an unjustified, unlawful and disproportionate offense.

Valbruna Group is proud to provide steel products to the Italian and foreign firearm industries that supply the Defense and Security National Forces enabling them to ensure full and legitimate protection to citizens against any form of aggression, as provided by their national laws and the International Community.

DEFENSE, HUNTING & SPORT WEAPONS

HIGH QUALITY STEELS FOR THE FIREARMS INDUSTRY



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Project Leader Global-Links

2017/12 The company reserves the right to alter any details without any prior notice

DEFENSE, HUNTING & SPORT WEAPONS

HIGH QUALITY STEELS FOR THE FIREARMS INDUSTRY





ITALY: Vicenza
Bolzano
Mills
USA: Fort Wayne

ITALY

Ancona
Torino
Milano
Brescia
Parma
Bologna
Treviso

EUROPE

Germany
France
England
Spain
Ireland
Denmark
Switzerland
Nederland
Poland
Finland
Sweden
Norway
Turkey
Czech Republic

AMERICA

Canada
United States
Mexico

ASIA - OCEANIA

Hong Kong
Australia
Malaysia
UAE
India

AFRICA

South Africa

DEFENSE, HUNTING & SPORT WEAPONS
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Our high performance wrought steels are extensively used for the production of gun barrels, slides, rifle and other firearms components for military and defense, hunting and sport.

Our goal is to design and manufacture high quality grades that meet the needs and desires of our Customers.

Valbruna steels, in fact, have specific mechanical characteristics, either standard or in accordance with customer requirements.

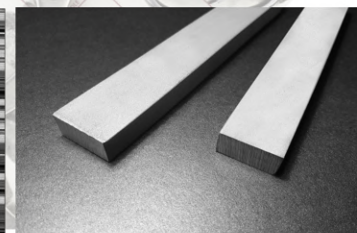
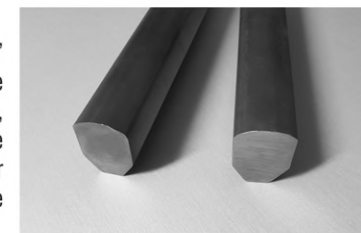
Our Stainless Steel grades are designed to provide highest resilience to pass obstructed gunmetal explosion tests.



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Barrels and the majority of weapons' small parts are produced from the following Stainless & Specialty Steels, for instance: our round bars can be used to obtain barrels and our customized profiles or flat bars can be used for the production of slides.



Designations:

VALBRUNA GRADE	W.N.	AISI/SAE	UNS	EN	AFNOR
HD40/GL5	-	8640Mod. (8641)	-	-	-
VD50	1.6546	8640	-	40NiCrMo2	40NCD2
CMV	1.7765	-	K24340	33CrMoV12-9	32CDV13
VAL1SB	-	416R	-	-	-
VAL1Z	1.4005	416	S41600	X12CrS13	Z11CF13
VAL2A	1.4021	420	S42000	X20Cr13	Z20C13
VAL4	1.4057	431	S43100	X17CrNi16-2	Z15CN16-02
X134M	1.4313	-	S41500	X3CrNiMo13-4	-
VAL2ASE	-	420SE	-	-	-
VAL1B/1	1.4006/1.4011	403/410	S40300/S41000	X12Cr13/X12Cr12	Z10C13
V174	1.4542	630	S17400	X5CrNiCuNb16-4	Z5CNU17-04
V155	1.4545	XM-12	S15500	X5CrNiCuNb15-5	Z5CNU15-04



Chemical Composition:

VALBRUNA GRADE	C [%]	Mn [%]	Si [%]	P [%]	S [%]	Cr [%]	Mo [%]	Ni [%]	N [%]	Others [%]
HD40/GL5	0,40 - 0,43	0,75 - 1	0,15 - 0,35	max 0,035	0,04 - 0,06	0,4 - 0,6	0,15 - 0,25	0,4 - 0,7	-	-
VD50	0,38 - 0,44	0,75 - 1	0,15 - 0,35	max 0,015	max 0,01	0,4 - 0,6	0,15 - 0,25	0,4 - 0,7	-	Al 0,01 - 0,04
CMV	0,29 - 0,36	0,4 - 0,7	0,1 - 0,4	max 0,025	max 0,02	2,8 - 3,3	0,7 - 1,2	max 0,3	-	V 0,15 - 0,35
VAL1SB	0,08 - 0,15	max 1,25	max 1,00	max 0,04	0,09 - 0,16	12 - 14	max 0,6	-	-	-
VAL1Z	0,08 - 0,15	max 1,25	max 1,00	max 0,04	0,15 - 0,3	12 - 14	max 0,6	-	-	-
VAL2A	0,16 - 0,25	max 1,00	max 1,00	max 0,04	max 0,03	12 - 14	-	-	-	-
VAL4	0,12 - 0,20	max 1,00	max 1,00	max 0,04	max 0,03	15 - 17	-	1,5 - 2,5	-	-
X134M	max 0,05	max 1,50	max 0,70	max 0,04	max 0,015	12 - 14	0,3 - 0,7	3,5 - 4,5	min 0,02	-
VAL2ASE	0,17 - 0,22	max 1,00	max 1,00	max 0,04	max 0,03	12 - 14	-	-	-	S+Se 0,04 - 0,07
VAL1B/1	0,12 - 0,15	max 0,6	max 0,5	max 0,025	max 0,025	11,5 - 12,5	max 0,5	max 0,75	max 0,08	Cu max 0,5 / Sn max 0,05
V174	max 0,07	max 1,00	max 0,7	max 0,04	max 0,03	15 - 17	max 0,6	3 - 5	-	Cu 3 - 5/ Ta+Nb 0,15 - 0,45/ Nb 5°C - 0,45
V155	max 0,07	max 1,00	max 1,00	max 0,04	max 0,03	14 - 15,5	max 0,5	3,5 - 5,5	-	Cu 2,5 - 4,5/ Ta+Nb 0,15 - 0,45/ Nb 5°C - 0,45

High quality is our standard

