

	Carbon	Chromium	Manganese	Molybdenum	Silicon	Vanadium	Sulphur	Phosphorus	Nickel	Tungsten	Cobalt	Hardness
High Carbon Non-Stainless & Tool Steels												
O1	0.85-1.00	0.40-0.60	1.00-1.40	-	0.50	0.30	-	-	0.30	-	-	62
W1	0.70-1.50	0.15	0.10-0.40	0.10	0.10-0.40	0.10	-	-	0.20	0.50	-	64
A2	0.95-1.05	4.75-5.50	1.00	0.90-1.40	0.50	0.15-0.50	-	-	0.30	-	-	62
D2	1.40-1.60	11.00-13.00	0.60	0.70-1.20	0.60	1.10	-	-	0.30	-	-	61
M2	0.95-1.05	3.75-4.50	0.15-0.40	4.75-6.50	0.20-0.45	2.25-2.75	-	-	0.30	5.00-6.75	-	65
W2	0.85-1.50	0.15	0.10-0.40	0.10	0.10-0.40	0.15-0.35	-	-	0.20	0.15	-	64
1095	0.90-1.03	-	0.30-0.50	-	-	-	0.05	0.04	-	-	-	62
5160	0.56-0.64	0.70-0.90	0.75-1.00	-	0.15-0.30	-	-	0.04	-	-	-	60
E-52100	0.98-1.10	1.30-1.60	0.25-0.45	-	0.15-0.30	-	0.03	0.03	-	-	-	62
Stainless Steels												
420	0.15	12.00-14.00	1.00	-	1.00	-	0.03	0.04	-	-	-	56
420-J2	0.40-0.50	12.00-14.00	0.80	0.60	1.00	0.18	0.02	0.05	-	-	-	56
425-M	0.40-0.54	13.50-15.00	0.50	0.60-1.00	0.80	0.10	0.03	0.04	-	-	-	60
440A	0.65-0.75	16.00-18.00	1.00	0.75	1.00	-	0.03	0.04	-	-	-	57
440B	0.75-0.95	16.00-18.00	1.00	0.75	1.00	-	0.03	0.04	-	-	-	59
440C	0.95-1.20	16.00-18.00	1.00	0.75	1.00	-	0.03	0.04	-	-	-	60
440-XH	1.60	16.00	0.50	0.80	0.40	0.45	-	-	0.35	-	-	62
Japanese Stainless Steels												
AUS-6	0.55-0.65	13.00-14.50	1.00	-	1.00	0.10-0.25	0.03	0.04	0.49	-	-	58
AUS-6M	0.55-0.65	13.00-14.50	1.00	0.10-0.30	1.00	0.10-0.30	0.03	0.04	0.49	-	-	57
AUS-8	0.70-0.75	13.00-14.50	0.50	0.10-0.30	1.00	0.10-0.26	0.03	0.04	0.49	-	-	59
AUS-10	0.95-1.10	13.00-14.50	0.50	0.10-0.31	1.00	0.10-0.27	0.03	0.04	0.49	-	-	60
AUS-118	0.90-0.95	17.00-18.00	0.50	1.30-1.50	0.50	0.10-0.25	0.03	0.04	-	-	-	60
GIN-1	0.90	15.50	0.60	0.30	0.37	-	0.03	0.02	-	-	-	60
G-2	0.90	15.50	0.60	0.30	0.37	-	0.03	0.02	-	-	-	60
Shirogami 1	1.30	-	0.20	-	0.10	-	0.04	0.03	-	-	-	64
ATS-34	1.05	14.00	0.40	4.00	0.35	-	0.02	0.03	-	-	-	61
ATS-55	1.00	14.00	0.50	0.60	0.40	-	-	-	-	-	0.40	62
VG-10	0.95-1.05	14.50-15.50	0.50	0.90-1.20	0.60	0.10-0.30	-	0.03	-	-	1.30-1.62	50
BG-42	1.15	14.50	0.50	4.00	0.30	1.20	-	-	-	-	-	63
Z60-CDV14	0.60-0.65	14.00	0.45	0.55-0.60	0.35	0.10-0.25	0.01	0.02	0.15	-	-	57
MBS-26	0.85-1.00	13.00-15.00	0.30-0.60	0.15-0.25	0.65	-	0.01	0.04	-	-	-	59
MRS-30	1.12	14.00	0.50	0.60	1.00	0.25	-	-	-	-	-	61
Hi-Performance American Stainless Steels												
CPM-440V	2.15	17.00	0.40	0.40	0.40	5.50	-	-	-	-	-	57
CPM-420V	2.30	14.00	-	1.00	-	9.00	-	-	-	-	-	58
CPM-10V	2.45	5.25	0.50	1.30	0.90	9.75	0.07	-	-	-	-	58
CPM-3V	0.80	7.50	-	1.30	-	2.75	-	-	-	-	-	60
154-CM	1.05	14.00	0.50	4.00	0.30	-	-	-	-	-	-	61
European / Other Stainless Steels												
Sandvik 12C-27	-	14.00-14.50	0.35	-	0.35	-	-	-	-	-	-	56
CRB-7	1.10	14.00	0.40	2.00	0.30	1.00	-	-	-	-	-	61
MVS-8	0.85	14.00	0.50	2.50	0.50	0.15	-	-	-	-	-	61
VascoWear	1.12	7.75	0.30	1.60	1.20	2.40	-	-	-	1.10	-	61

Elements expressed as a percentage of content