

VALETTE & GAURAND

INDUSTRIE

MAIN MATERIALS

MATERIALS Wks	MATERIALS AISI	CHEMICAL COMPOSITION								HARDNESS HRC
		C %	Si %	Mn %	S %	P %	Cr %	Ni %	Mo %	
Wks 1.4301	AISI 304	0.08 max	1 max	2 max	0.030 max	0.045 max	18 - 20	8 - 11		25 To 39
Wks 1.4306	AISI 304L	0.03 max	1 max	2 max	0.030 max	0.045 max	18 - 20	8 - 12		25 To 39
Wks 1.4401	AISI 316	0.08 max	1 max	2 max	0.030 max	0.045 max	16 - 18	10 - 14	2 - 3	25 To 39
Wks 1.4404	AISI 316L	0.03 max	1 max	2 max	0.030 max	0.045 max	16 - 18	10 - 14	2 - 3	25 To 39
Wks 1.4571	AISI 316Ti	0.08 max	1 max	2 max	0.030 max	0.045 max	16 - 18	10 - 14	2 - 3	25 To 39
Wks 1.4016	AISI 430	0.12 max	1 max	1 max	0.030 max	0.040 max	16 - 18			15 To 26
Wks 1.4034/1.3541	AISI 420C	0.43 max	1 max	1 max	0.030 max	0.040 max	12.5 – 14.5			52 To 58
Wks 1.4028/1.3549	AISI 440B	0.75 – 0.95	1 max	1 max	0.030 max	0.040 max	16 - 18		0.75 max	58 To 64
Wks 1.4125/1.3543	AISI 440C	0.95 – 1.2	1 max	1 max	0.030 max	0.040 max	16 - 18		0.75 max	58 To 64
Wks 1.3505	52100	0.93 – 1.05	1 max	1 max	0.015 max	0.025 max	1.35 – 1.60	0.25	0.10 max	60 To 66

OTHER MATERIALS									
ALUMINIUM	AISI 430F	HASTELLOY	TANTAL	STELLITE	T. CARBIDE	X65Cr13	BRONZE	GOLD	
TITANIUM	AISI 630	INCONEL	PLASTIC	MONEL	BRASS	Si3N4	GLASS	SILVER	