

# Härtere Blessing AG

## Die nitrierbaren Stähle

Stahlgruppe	Werkstoff	Kurzzeichen	Bemerkung	von	bis	Max Nht	Verb.Schicht		Max Nht	Verb.Schicht	
	Stahl Nr.	DIN EN 10027		Oberflächen- Härte in HV1		Tenifer QPQ nitriert			Gas / Plasma nitriert		
						mm	µm		mm	µm	
Baustahl	1.0038	St37-2	S235JRG2	200	350	0.6	12	+ - 4	1	3	+ - 1
	1.0576	St52-3	S355J2H	300	550	0.6	12	+ - 4	1	3	+ - 1
Automaten-	1.0711	9S20	10S20 (1.0721)	200	300	0.6	12	+ - 4	1	3	+ - 1
Stahl	1.0718	9SMnPb28	11SMnPb30	200	350	0.6	12	+ - 4	1	3	+ - 1
	1.0728	60S20	St329	250	300	0.5	12	+ - 4	0.8	3	+ - 1
	1.0762	44SMn28	ETG@ 88	450	650	0.6	12	+ - 4	1	3	+ - 1
	1.0762	44SMn28	ETG@ 100	450	650	0.6	12	+ - 4	1	3	+ - 1
	1.7139	16MnCrS5		600	750	0.5	12	+ - 4	1	3	+ - 1
Einsatzstahl	1.0401	C15		300	400	0.5	12	+ - 4	0.8	3	+ - 1
	1.5217	20MnV6	Rohrstahl (Ovako280)	720	800	0.6	12	+ - 4	1	3	+ - 1
	1.5752	14NiCr14	15NiCr13	500	680	0.4	12	+ - 4	0.7	3	+ - 1
	1.7131	16MnCr5	EC80	650	750	0.5	12	+ - 4	1	3	+ - 1
	1.7139	16MnCrS5		650	750	0.5	12	+ - 4	1	3	+ - 1
	1.7142	16MnCrSPb5	ESP65	650	750	0.5	12	+ - 4	1	3	+ - 1
	1.7147	20MnCr5		650	750	0.5	12	+ - 4	1	3	+ - 1
Vergütungs-	1.1191	Ck45		350	500	0.6	12	+ - 4	1	3	+ - 1
Stahl	1.1221	Ck60		350	550	0.6	12	+ - 4	1	3	+ - 1
	1.6582	34CrNiMo6		620	720	0.3	12	+ - 4	0.7	3	+ - 1
	1.722	34CrMo4		620	750	0.3	12	+ - 4	0.7	3	+ - 1
	1.7225	42CrMo4		620	750	0.5	12	+ - 4	1	3	+ - 1
	1.7227	42CrMoS4		620	750	0.5	12	+ - 4	1	3	+ - 1
	1.7765	32CrMoV12-10		800	950	0.2	12	+ - 4	0.6	3	+ - 1
	1.8159	50CrV4	51Cr4	580	700	0.3	12	+ - 4	0.6	3	+ - 1
	1.8161	58CrV4		580	700	0.3	12	+ - 4	0.6	3	+ - 1
	1.8504	34CrAl6		800	1000	0.3	12	+ - 4	0.6	3	+ - 1
	1.8507	34CrAlMo5		800	1000	0.3	12	+ - 4	0.6	3	+ - 1
	1.8523	39CrMoV13-9		800	950	0.5	12	+ - 4	0.5	3	+ - 1
Nitrierstahl	1.8509	41CrAlMo7		950	1200	0.3	12	+ - 4	0.8	3	+ - 1
	1.7707	30CrMoV9		850	950	0.3	12	+ - 4	0.8	3	+ - 1
	1.8506	34CrAl6		950	1150	0.3	12	+ - 4	0.8	3	+ - 1
	1.8507	34CrAlS5		950	1150	0.3	12	+ - 4	0.8	3	+ - 1
	1.8509	39CrMoV13-9		950	1200	0.2	12	+ - 4	0.5	3	+ - 1
	1.8515	31CrMo12		950	1150	0.3	12	+ - 4	0.8	3	+ - 1
	1.8519	31CrMoV9V		850	950	0.3	12	+ - 4	0.8	3	+ - 1
	1.8523	34CrAlV9		950	1150	0.3	12	+ - 4	0.8	3	+ - 1
	1.855	34CrAlNi7-10		950	1150	0.3	12	+ - 4	0.8	3	+ - 1
Wälzlager-	1.3505	100Cr6		580	680	0.4	12	+ - 4	0.8	3	+ - 1
Stahl	1.3543	X102CrMo17		1000	1200	0.1	7	+ - 3	0.2	3	+ - 1
Federstahl	1.1248	Ck75		480	600	0.6	12	+ - 4	1	3	+ - 1
	1.5142	60SiMn5		500	600	0.6	12	+ - 4	1	3	+ - 1
	1.7103	67SiCr5		500	600	0.5	12	+ - 4	0.8	3	+ - 1
	1.8161	58CrV4		600	700	0.4	12	+ - 4	0.8	3	+ - 1
Werkzeug- / oder Kalt- arbeitsstahl	1.208	X210Cr12		1000	1200	0.1	7	+ - 3	0.2	3	+ - 1
	1.2101	62SiMnCr4		500	600	0.5	12	+ - 4	0.8	3	+ - 1

# Härtere Blessing AG

## Die nitrierbaren Stähle

	1.221	115CrV3	Silberstahl	380	500	0.5	12	+ - 4	1	3	+ - 1
	1.2311	40CrMnMo7		640	780	0.4	12	+ - 4	0.8	3	+ - 1
	1.2312	40CrMnMoS8-7		640	780	0.4	12	+ - 4	0.8	3	+ - 1
	1.2363	X100CrMoV5-1		800	900	0.2	8	+ - 3	0.4	3	+ - 1
	1.2379	X155CrVMo12-1		1000	1200	0.1	8	+ - 3	0.2	3	+ - 1
	1.2436	X210CrW12		1000	1200	0.1	8	+ - 3	0.2	3	+ - 1
	1.251	100MnCrW4		580	680	0.5	8	+ - 3	0.8	3	+ - 1
	1.2601	X165CrMoV12		1000	1200	0.1	7	+ - 3	0.2	3	+ - 1
	1.2767	X45NiCrMo4		600	700	0.3	8	+ - 3	0.8	3	+ - 1
	1.2842	90MnCrV8		580	680	0.5	8	+ - 3	0.8	3	+ - 1
	1.3401	X120MN12		650	750	0.3	9	+ - 3	0.6	3	+ - 1
Warmarbeits-	1.2343	X37CrMoV5-1		900	1200	0.1	7	+ - 3	0.2	3	+ - 1
Stahl	1.2344	X40CrMoV5-1		900	1200	0.1	7	+ - 3	0.2	3	+ - 1
	1.2365	32CrMoV12-28		750	900	0.1	7	+ - 3	0.2	3	+ - 1
	1.2709	X3NiCoMoTi18-9		850	1000	0.1	7	+ - 3	0.2	3	+ - 1
Inox-Stahl	1.2083	X40Cr14	<a href="#">Inoxdur® blei bt rostfrei</a>	1000	1200	0.1	7	+ - 3	0.1	3	+ - 1
	1.2085	X33CrS16	<a href="#">Inoxdur® blei bt rostfrei</a>	950	1200	0.1	7	+ - 3	0.1	3	+ - 1
	1.4034	X46Cr13	<a href="#">Inoxdur® blei bt rostfrei</a>	950	1200	0.1	7	+ - 3	0.1	3	+ - 1
	1.4104	X14CrMoS17	<a href="#">Inoxdur® blei bt rostfrei</a>	950	1200	0.1	7	+ - 3	0.1	3	+ - 1
	1.4112	X90CrMoV18	<a href="#">Inoxdur® blei bt rostfrei</a>	950	1200	0.1	7	+ - 3	0.1	3	+ - 1
	1.43	X12CrNi18-9	<a href="#">Inoxdur® blei bt rostfrei</a>	950	1200	0.1	7	+ - 3	0.1	3	+ - 1
	1.4301	X5CrNi18-10	<a href="#">Inoxdur® blei bt rostfrei</a>	950	1200	0.1	7	+ - 3	0.1	3	+ - 1
	1.4305	X10CrNiS18-9	<a href="#">Inoxdur® blei bt rostfrei</a>	950	1200	0.1	7	+ - 3	0.1	3	+ - 1
	1.4401	X5CrNiMo17-12-2	<a href="#">Inoxdur® blei bt rostfrei</a>	950	1200	0.1	7	+ - 3	0.1	3	+ - 1
	1.4435	X2CrNiMo18-14-3	<a href="#">Inoxdur® blei bt rostfrei</a>	950	1200	0.1	7	+ - 3	0.1	3	+ - 1
	1.4535	X90CrCoMoV17	<a href="#">Inoxdur® blei bt rostfrei</a>	950	1200	0.1	7	+ - 3	0.1	3	+ - 1
Grauguß	0.6025	GG25		300	400	0.3	12	+ - 4	0.6	3	+ - 1
	0.603	GG30		350	450	0.3	12	+ - 4	0.6	3	+ - 1
	0.704	GGG40		400	500	0.3	12	+ - 4	0.6	3	+ - 1
	0.706	GGG60		500	600	0.3	12	+ - 4	0.6	3	+ - 1
	0.707	GGG70		400	650	0.25	12	+ - 4	0.6	3	+ - 1
Schnellarbeit-	1.3243	S6-5-2-5		1000	1250	0.1	5	+ - 2	0.2	3	+ - 1
Stahl	1.3247	S2-9-1-8		1000	1250	0.1	5	+ - 2	0.2	3	+ - 1
	1.3343	S6-5-2C		1000	1250	0.1	5	+ - 2	0.2	3	+ - 1