

Stainless Steel and Alloys Drawn Wire Grades

Austenitic, Martensitic, Ferritic and Duplex grades

	CHEMICAL ANALYSIS													UGITECH GRADES					
	EN NUMBER	ASTM AMS AISI		C	Si	Mn	P max	S max	N	Cr	Mo	Ni	Others	UNS	JIS	Spring wires EN 10270-3	Cold heading EN 10263-5	Free machining	Others
FERRITIC	1.4000	410S	(1)	≤ 0.080	≤ 1	≤ 1.0	0.040	0.015	-	12.0/14.0	-	-	-	S 41008	SUS 410 S	-	-	-	UGI H410L
	1.4016	430	(1)	≤ 0.080	≤ 1	≤ 1.0	0.040	0.030	-	16.0/18.0	-	-	-	S 43000	SUS 430	-	UGI H430L	-	UGI F430 / F430L
	1.4105		(1)	≤ 0.080	≤ 1.5	≤ 1.5	0.040	0.15/0.35	-	16.0/18.0	0.2/0.6	-	-	S 43020	SUS 430 F	-	-	UGI M4105	-
	1.4113	434	(1)	≤ 0.080	≤ 1	≤ 1	0.040	0.030	-	16.0/18.0	0.9/1.4	-	-	S 43400	SUS 434	-	-	-	UGI F434
	1.4511	-	(1)	≤ 0.050	≤ 1.0	≤ 1.0	0.040	0.015	-	16.0/18.0	-	-	Nb : 12xC /1.0	-	-	-	-	-	UGI F4511
	1.4608	-	(1)	<0.03	<1.5	<1	0.040	0.030	-	17.0/19.0	-	-	Nb : 7x(C+N) /0.5	-	-	-	-	-	UGI F430HCM
MARTENSITIC	1.4006	410	(1)	0.08/0.15	≤ 1	≤ 1.5	0.040	0.030	-	11.5/13.5	-	-	-	S 41000	SUS 410	-	UGI H4006	-	UGI F410
	1.4021	420	(1)	0.16/0.25	≤ 1	≤ 1.5	0.040	0.030	-	12.0/14.0	-	-	-	S 42000	SUS 420	-	-	-	UGI H4021
	1.4034	420	(1)	0.43/0.50	≤ 1	≤ 1	0.040	0.030	-	12.5/14.5	-	-	-	S 42000	SUS 420	-	UGI H4034	-	-
	1.4057	431	(1)	0.14/0.20	≤ 1	≤ 1.0	0.040	0.030	-	15.0/17.0	-	1.25/2.5	-	S 43100	SUS 431	-	-	-	UGI F431
	1.4542	630	(1)	≤ 0.070	≤ 0.70	≤ 1.0	0.040	0.030	-	15.0/17.0	≤ 0.6	3.0/5.0	Cu=3/4-Nb=5xC / 0.45	S 17400	SUS 630	-	-	-	UGI S17-4 PH/ H4542
	1.4913	-	(4)	0.17/0.23	≤ 0.50	0.4/0.9	0.025	0.015	0.05/0.10	10.0/11.5	0.5/0.8	0.2/0.6	Nb : 0.25/0.55 V : 0.10/0.30 B≤0.015 Al≤0.020	-	-	-	UGI H4913	-	-
	1.4923	-	(4)	0.18/0.24	≤ 0.50	0.4/0.9	0.025	0.015	-	11.0/12.5	0.8/1.2	0.3/0.8	V : 0.25/0.35	-	-	-	UGI H4923-	-	-
AUSTENITIC	1.4301	304	(1)	≤ 0.070	≤ 1	≤ 2	0.045	0.030	≤ 0.11	18.0/19.5	-	8.0/10.5	-	S 30400	SUS 304	-	UGI H4301	-	UGI F304/ F4301
	-	-	-	≤ 0.10	0.30/0.60	9.0/10.0	0.035	0.030	0.25/0.32	17.5/18.5	-	5.0/6.0	-	-	-	-	-	-	UGI GRADE 1/F202N
	1.4303	305	(1)	≤ 0.060	≤ 0.75	≤ 2.0	0.045	0.015	≤ 0.11	17.0/19.0	-	11.0/13.0	-	S 30500	SUS 305	-	UGI H4303	-	UGI F4303
	1.4305	303	(1)	≤ 0.10	≤ 1.0	≤ 2.0	0.045	0.15/0.35	≤ 0.11	17.0/19.0	-	8.0/10.0	Cu ≤ 1	S 30300	SUS 303	-	-	UGI U303	-
	1.4306	304L	(1)	≤ 0.030	≤ 1	≤ 2	0.045	0.030	≤ 0.10	18.0/20.0	-	10.0/12.0	-	-	SUS 304-L	-	-	-	UGI F306/ F304L
	1.4307	304L	(1)	≤ 0.030	≤ 1	≤ 2	0.045	0.030	≤ 0.11	18.0/19.5	-	8.0/10.0	-	S 30403	SUS 304-L	-	UGI H304-L	-	UGI F304L/ F4307
	1.4310	302	(1)	0.05/0.15	≤ 1.0	≤ 2.0	0.045	0.015	≤ 0.11	17.0/19.0	≤ 0.8	8.0/9.5	-	S 30200	-	UGI S302	-	-	UGI F302
	1.4310	301	(1)	0.05/0.15	≤ 2.0	≤ 2.0	0.045	0.015	≤ 0.11	16.0/18.0	≤ 0.8	6.0/8.0	-	-	-	SPRINOX	-	-	-
	1.4401	316	(1)	≤ 0.070	≤ 1.0	≤ 2	0.045	0.030	≤ 0.10	16.5/18.5	2/2.5	10.0/13.0	-	S 31600	SUS 316	UGI S316	-	-	UGI F316
	1.4404	316L	(1)	≤ 0.030	≤ 1	≤ 2	0.045	0.030	≤ 0.10	16.5/18.5	2/2.5	10.0/13.0	-	S 31603	SUS 316-L	-	UGI H316L/ H4404	-	UGI F4404/ F316L
	1.4435	316L	(1)	≤ 0.030	≤ 1	≤ 2	0.045	0.030	≤ 0.10	17.0/19.0	2.5/3	12.5/15.0	-	-	-	-	-	-	UGI F4435
	1.4438	317 L	(1)	≤ 0.030	≤ 0.75	≤ 2	0.045	0.030	≤ 0.10	18.0/19.5	3/4	13.0/15.0	-	S 31703	SUS 317-L	-	-	-	UGI F317
	1.4529	926	(1)	≤ 0.020	≤ 0.5	≤ 1.0	0.030	0.010	0.15/0.25	19.0/21.0	6/7	24.0/26.0	Cu : 0.5/1.5	N 08925	-	-	-	-	UGI F4529
	1.4539	904L	(1)	≤ 0.020	≤ 0.70	≤ 2	0.030	0.010	≤ 0.15	19.0/21.0	4/5	24.0/26.0	Cu : 1.2/2	N 08904	SUS 890-L	URANUS B6 (N)	URANUS B6 (N)	-	URANUS B6 (N)
	1.4541		(1)	≤ 0.080	≤ 1	≤ 2	0.040	0.030	-	17.0/19.0	-	9.0/12.0	Ti = 5xC/0.70	-	-	-	-	-	UGI F4541
	1.4567	304 Cu	(1)	≤ 0.040	≤ 1	≤ 2	0.045	0.030	≤ 0.11	17.0/19.0	-	8.5/10.5	Cu : 3/4	S 30430	SUS XM 7	-	UGI H4567	-	-
	1.4568	631	(1)	≤ 0.090	≤ 0.70	≤ 1	0.040	0.015	-	16.0/18.0	-	6.5/7.75	Al : 0.75/1.5	S17700	SUS 631	UGI S301 PH	-	-	-
	1.4571		(1)	≤ 0.080	≤ 1	≤ 2	0.040	0.030	-	16.5/18.0	2/2.5	10.5/13.5	Ti = 5xC/≤ 0.70	-	-	-	-	-	UGI F4571
	1.4578	-	(1)	≤ 0.040	≤ 1	≤ 1	0.045	0.015	≤ 0.11	16.5/17.5	2/2.50	10.0/11.0	Cu : 3/3.5	-	-	-	UGI H4578	-	-
	1.4615	201CU		<0.03	<1	7/9	0.040	0.010	0.02/0.06	14/16	<0.80	4.5/6	Cu =2/4	-	-	-	UGI H201CU	-	UGI F201CU
	204Cu	-	≤ 0.15	≤ 2	6.5/8.5	0.04	0.03	≤ 0.30	15.5/17.5	-	≤ 3.5	Cu : 2/4	-	-	-	-	-	STEADINOX	
DUPEX	1.4062	-	(1)	<0.03	<1	<2.0	0.035	0.015	0.05/0.20	22.0/24.0	<0.60	2.5/3.5	Cu <0.6	-	-	-	-	-	UGI F4062
	1.4362	-	(1)	<0.03	<1	<2.0	0.035	0.015	0.05/0.20	22.0/24.0	0.10/0.60	3.5/5.5	Cu : 0.1/0.6	-	-	-	-	-	UGI F4362
	1.4462	-	(1)	≤ 0.030	≤ 1	≤ 2	0.035	0.015	0.10/0.22	21.0/23.0	2.5/3.5	4.5/6.5	-	S 31803	-	-	-	-	UGI F4462
	1.4507	-	(1)	≤ 0.030	≤ 0.70	≤ 2	0.035	0.015	0.20/0.30	24.0/26.0	3/4	6/8	Cu : 1/2.5	S 32550	-	-	-	-	UGI D 58 ou 52 N+

UGITECH

Providing special steel solutions



Stainless Steel and Alloys Drawn Wire Grades

Superalloys, Corrosion, Elastic, Heat resisting alloys

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HEAT RESISTING ALLOYS	1.4841	314	(2)	≤ 0.20	1.5/2.5	≤2	0.045	0.030	≤0.11	24.0/26.0	-	19.0/22.0		S 31400	-	-	-	-	UGI F 314
	1.4845	310	(2)	≤ 0.100	≤1.5	≤2.0	0.045	0.030	≤0.11	24.0/26.0	-	19.0/22.0		S31000	-	-	-	-	UGI F 4845
	1.4828			≤ 0.20	1.5/2.5	≤2	0.045	0.015	0.11	19.0/21.0		11.0/13.0							UGI F4828
	1.4886	330	(2)	≤ 0.15	1.0/2.0	≤2	0.030	0.015	0.11	17.0/20.0	-	33.0/37.0		N 08330	-	-	-	-	UGI NY 330
	1.4887	330 Nb	(2)	≤ 0.15	1.0/2.0	≤2.0	0.030	0.015	0.11	20.0/23.0	-	33.0/37.0	Nb : 1.0/1.5	-	-	-	-	-	UGI NY 330 Nb
	-	-	-	≤ 0.10	1.0/2.0	≤2.0	0.040	0.030	-	22.0/24.0	-	40.0/45.0		-					UGI NY 845
	2.4851	-	(2)	0.03/ 0.10	≤0.5	≤1	0.020	0.015	-	21.0/25.0	-	58.0/63.0	Fe ≤ 18- Al : 1/1.7- Ti ≤ 0.5 Cu ≤ 0.5- B ≤ 0.006- Co ≤ 1.5	N 06601					UGI NY 601
ELASTICS	-	ASTM 1058AMS 5833-34	-	≤ 0.15	≤1.20	≤2	0.015	0.015	-	19.0/21.0	6.0/8.0	14.0/16.0	Co=39/41- Fe=Bal	R 30003	-	-	-	-	PHYNOX
	-	A 538	(3)	≤0.030	≤0.10	≤0.10	0.010	0.010	-	-	4.5/5.5	17.0/19.0	Co=8.5/9.5- Ti: 0.5/0.8Al : 0.05/0.15	K 93120	-	DURIMPHY	-	-	MARPHY 19
CORROSION	2.4660	B 473		≤ 0.07	≤1	≤2	0.025	0.015	-	19.0/21.0	2/3	32.0/38.0	Cu : 3/4- Nb=8xC ≤ 1-Co ≤ 1.5	N 08020	-	-	-	-	UGI HT920S
	1.4876	800	(2)	≤ 0.12	≤1	≤2	0.030	0.015	-	19.0/23.0	-	30.0/34.0	Al : 0.15/0.60 Ti : 0.15/0.60	N 08800	-	-	-	-	UGI HT800
	2.4858	-	-	≤ 0.025	≤0.50	≤1.0	0.025	0.015	-	19.5/23.5	2.5/3.5	38.0/46.0	Ti = 0.60/1.20- Cu = 1.5/3.0- Al ≤ 0.20	N 08825	-	-	-	-	UGI HT825
	2.4817	B.166AMS 5687	-	≤ 0.030	≤0.5	≤1.0	0.020	0.015	-	14.0/17.0	-	>72	Ti ≤ 0.3 Al ≤ 0.3 Fe : 6/10 Cu ≤ 0.5- Co ≤ 1.0- B ≤ 0.006	N 06600	-	-	-	-	UGI HT600
	2.4831	AMS 5837	(2)	≤ 0.10	≤0.5	≤0.5	0.020	0.015	-	20.0/23.0	8/10	> 60	Fe ≤ 5- (Nb+Ta) : 3.0/4.0 Co ≤ 1- Cu ≤ 0.5 Al ≤ 0.4 Ti ≤ 0.4	N 06625	-	-	-	-	UGI HT625
	2.4886	-	-	≤ 0.020	≤0.08	≤1	0.04	0.020	-	14.5/16.5	15.0/17.0	>50	Fe : 4/7- W : 3/4.5- V ≤ 0.40 Co ≤ 2.5	N 10276	-	-	-	-	UGI HT276
SUPERALLOYS	1.4980	660	(4)	0.03/0.08	≤1.0	1/2	0.025	0.015	-	13.5/16.0	1/1.5	24.0/27.0	Ti : 1.9/2.3 Al ≤ 0.35V : 0.1/0.5 B : 0.03/0.010	S 66286	-	-	-	-	UGI HQ286
	2.4632	AMS 5829	(6)	≤ 0.13	≤1.0	≤1.0	0.020	0.015	-	18.0/21.0	-	Bal	Co : 15/21 Ti : 2/3 Al : 1/2- Fe ≤ 1.5- Cu ≤ 0.20	N 07090	-	-	-	-	UGI HT90
	2.4668	AMS 5832	(6)	0.02/0.08	≤0.35	≤0.35	0.015	0.015	-	17.0/21.0	2.8/3.3	50.0/55.0	Co ≤ 1 Nb+Ta=4.75/5.5 Ti=0.6/1.2 Al=0.3/0.7 B=0.002-0.006	N 07718	-	-	-	-	UGI HT718
	2.4669	AMS 5698AMS 5699	(4)	≤ 0.08	≤0.5	≤1	0.020	0.015	-	14.0/17.0	-	>70	Fe : 5/9 Ti : 2.25/2.75 (Nb + Ta) : 0.7/1.2 Al : 0.4/1 Cu ≤ 0.5- Co ≤ 1.0	N 07750	-	-	-	-	UGI HT750
	2.4952	-	(4)	0.04/0.10	≤1	≤1	0.020	0.015	-	18.0/21.0	-	>65	Ti : 1.8/2.7 Al : 1/1.8 Fe ≤ 1.5 Cu ≤ 0.2 B ≤ 0.008- Co ≤ 1.0	N 07080	-	-	-	-	UGI HQ80 A

This table displays the main Ugitech grades only. Please contact us for further information

EUROPEAN STANDARD

- > (1) EN 10088
- > (2) EN 10095
- > (3) EN 10027-2
- > (4) EN 10269
- > (5) EN 10272
- > (6) EN 10302

⁽¹⁾ Not standardized but with EN number according to EN 10027-2 Appendix A

⁽²⁾ For products which will be machined, a sulphur content in the 0.015 to 0,030% range is recommended

⁽³⁾ Also available in stainless rebar (UGIGRIP® brand)

⁽⁴⁾ In the Ugitech grades, please note that:

> UGIMA® stands for improved machinability

> UGIGRIP® for rebars

> Grades with FG are for hot forging and stamping

The information contained in these tables is indicative and subject to variation without notice. Ugitech give information in good faith but without responsibility.

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