

Outokumpu Stainless Steel Grades

		Steel designations			Typical chemical composition, %						National steel designations superseded by EN				Outokumpu products	Welding consumables Covered electrodes EN 1600
		Outokumpu steel names	EN	ASTM/UNS	C	N	Cr	Ni	Mo	Others	BS/UK	DIN/Germany	NF/France	SS/Sweden		
WET CORROSION AND GENERAL SERVICE	Ferritic	4512	1.4512	409	0.02	0.02	11.5	0.2	-	Ti	409S	1.4512	Z3 CT 12	-	C	13 or 19 9L
		4003	1.4003	S40977	0.02	-	11.5	0.5	-	-	-	1.4003	-	-	P H C	13 or 19 9L
		4000	1.4000	410S	0.03	0.01	12.5	-	-	-	403S17	1.4000	Z8 C12	2301	P C	13 or 19 9L
		4016	1.4016	430	0.04	-	16.5	-	-	-	430S17	1.4016	Z8 C17	2320	H C B R	19 9L or 23 12L
		4509	1.4509	S43932	0.02	-	18	-	-	Nb, Ti	-	1.4509	Z3 CT Nb 18	-	C	19 9 Nb or 18 8 Mn
	4521	1.4521	444	0.02	0.01	17.8	-	2.1	Ti	-	1.4521	Z3 CDT 18-02	2326	P C	19 12 3L or 23 12 2L	
	Martensitic	4006	1.4006	410	0.12	0.04	12	-	-	-	410S21	1.4006	Z10 C13	2302	P B R	13, 19 9 or 248 SV*
		4005	1.4005	416	0.10	0.04	13	-	-	S	416S21	1.4005	Z11 CF13	2380	B R	248 SV*
		4021	1.4021	420	0.20	-	13	-	-	-	420S29	1.4021	Z20 C13	2303	B R	248 SV*
		4028	1.4028	420	0.30	-	12.5	-	-	-	420S45	1.4028	Z33 C13	2304	R	248 SV*
		4313	1.4313	S41500	0.03	0.04	12.5	4.1	0.6	-	-	1.4313	Z6 CN 13-04	2385	P	248 SV*
		4548	1.4548 ¹	-	0.05	0.07	15.5	4.2	-	Mn	-	-	-	-	R	248 SV*
		248 SV	1.4418	-	0.03	-	16	5	1	-	-	1.4418	Z6 CND 16-05-01	2387	(P) B	248 SV*
		Duplex	LDX 2101 [®]	1.4162 ¹	S32101	0.03	0.22	21.5	1.5	0.3	5Mn	-	-	-	-	P H C R T F D
	2304		1.4362	S32304	0.02	0.10	23	4.8	0.3	-	-	1.4362	Z3 CN 23-04 Az	2327	P H C R T F D	2304* or 22 9 3 NL
	2205		1.4462	S32205 ²	0.02	0.17	22	5.7	3.1	-	318S13	1.4462	Z3 CND 22-05 Az	2377	P H C B R T F D	22 9 3 NL
	4501		1.4501	S32760	0.02	0.27	25.4	6.9	3.8	W, Cu	-	-	-	-	P	25 9 4 NL
	2507		1.4410	S32750	0.02	0.27	25	7	4	-	-	-	Z3 CND 25-06 Az	2328	P C H T	25 9 4 NL
	Austenitic	4310	1.4310	301	0.10	-	17	7	-	-	301S21	1.4310	Z11 CN 18-08	2331	H C B R	19 9L
		4318	1.4318	301LN	0.02	0.14	17.7	6.5	-	-	-	-	Z3 CN 18-07 Az	-	H C	19 9L
		4372	1.4372	201	0.05	0.20	17	4	-	7Mn	284S16	-	Z12 CMN 17-07 Az	-	H C R	18 9 Mn Mo or 23 12L
		4568	1.4568	631	0.08	0.02	16.6	7.6	-	Al	-	1.4568	Z9 CNA 17-07	2388	R	19 9L
		4301	1.4301	304	0.04	-	18.1	8.1	-	-	304S31	1.4301	Z7 CN 18-09	2333	P H C B R T F	19 9L
		4307	1.4307	304L	0.02	-	18.1	8.1	-	-	304S11	1.4307	Z3 CN 18-10	2352	P H C B R T F	19 9L
		4311	1.4311	304LN	0.02	0.14	18.5	9.2	-	-	304S61	1.4311	Z3 CN 18-10 Az	2371	P H C B R	19 9L
		4541	1.4541	321	0.04	-	17.3	9.1	-	Ti	321S31	1.4541	Z6 CNT 18-10	2337	P H C B R T F	19 9 Nb or 19 9L
		4550	1.4550	347	0.05	0.04	17.5	9.5	-	Nb	347S31	1.4550	Z6 CnNb 18-10	2338	P C R	19 9 Nb or 19 9L
		4305	1.4305	303	0.05	-	17.3	8.2	-	S	303S31	1.4305	Z8 CNF 18-09	2346	P B R	19 9L
		4303	1.4303	305	0.04	-	17.7	12.5	-	-	305S19	1.4303	Z1 CN 18-12	-	P H C B R	19 9L
		4306	1.4306	304L	0.02	-	18.2	10.1	-	-	304S11	1.4306	Z3 CN 18-10	2352	P H C B R T F	19 9L
4567		1.4567	S30430	0.01	-	17.7	9.7	-	3Cu	304S17	1.4567	Z3 CNU 18-09 FF	-	B R	19 9L	
4401		1.4401	316	0.04	-	17.2	10.1	2.1	-	316S31	1.4401	Z7 CND 17-11-02	2347	P H C B R T F	19 12 3L	
4404		1.4404	316L	0.02	-	17.2	10.1	2.1	-	316S11	1.4404	Z3 CND 17-11-02	2348	P H C B R T F	19 12 3L	
4427		1.4427 ¹	-	0.02	0.05	16.9	10.7	2.6	S	-	-	-	-	P	19 12 3L	
4436		1.4436	316	0.04	-	16.9	10.7	2.6	-	316S33	1.4436	Z7 CND 18-12-03	2343	P H C B R T F	19 12 3L	
4432		1.4432	316L	0.02	-	16.9	10.7	2.6	-	316S13	1.4432	Z3 CND 18-14-03	2353	P H C B R T F	19 12 3L	
4406		1.4406	316LN	0.02	0.14	17.2	10.3	2.1	-	316S61	1.4406	Z3 CND 17-11 Az	-	P H C B R	19 12 3L	
4429		1.4429	S31653	0.02	0.14	17.3	12.5	2.6	-	316S63	1.4429	Z3 CND 17-12 Az	2375	P R	19 12 3L	
4571		1.4571	316Ti	0.04	-	16.8	10.9	2.1	Ti	320S31	1.4571	Z6 CNDT 17-12	2350	P H C B R T F	19 12 3 Nb or 19 12 3L	
4435		1.4435	316L	0.02	-	17.3	12.6	2.6	-	316S13	1.4435	Z3 CND 18-14-03	2353	P H C B R T F	19 12 3L	
3952		1.3952 ¹	-	0.02	0.18	16.9	13.2	2.7	-	-	-	-	-	P	20 16 3 Mn L	
4438		1.4438	317L	0.02	-	18.2	13.7	3.1	-	317S12	1.4438	Z3 CND 19-15-04	2367	P C B R	317L/SNR*	
4439		1.4439	317LMN ³	0.02	0.14	17.3	13.7	4.1	-	-	1.4439	Z3 CND 18-14-05 Az	-	P C	20 25 5 Cu L	
725LN	1.4466	S31050	0.01	0.12	25	22.3	2.1	-	-	1.4466	Z2 CND 25-22 Az	-	P	25 22 2 N L		
3964	1.3964 ¹	-	0.02	0.27	20.5	15.4	3.2	Mn, Nb	-	-	-	-	P	20 16 3 Mn L		
904L	1.4539	904L	0.01	-	20	25	4.3	1.5Cu	904S13	1.4539	Z2 NCDU 25-20	2562	P H C B R T F	20 25 5 Cu L or P12*		
4529	1.4529	N08926	0.01	0.20	20.5	24.8	6.5	Cu	-	-	-	-	P	P12* or P16* or P54*		
254 SMO [®]	1.4547	S31254	0.01	0.20	20	18	6.1	Cu	-	-	-	2378	P H C B R T F	P12* or P16* or P54*		
4565	1.4565	S34565	0.02	0.45	24	17	4.5	5.5Mn	-	1.4565	-	-	P C	P16* or P54*		
HEAT AND CREEP	Ferritic	4713	1.4713	-	0.07	0.02	6.5	-	-	0.7Al	-	1.4713	-	-	P	18 9 Mn Mo or 23 12
		4724	1.4724	-	0.08	0.02	12.3	-	-	0.8Al	-	1.4724	Z13 C13	-	P	23 12
		4742	1.4742	-	0.08	0.02	17.5	-	-	1Al	-	1.4742	Z12 CAS 18	-	P	23 12 or 253 MA*
		4762	1.4762	-	0.08	0.02	23.4	-	-	1.4Al	-	1.4762	Z12 CAS 25	-	P	25 20 or 23 12
	Austenitic	4948	1.4948	304H	0.05	-	18.1	8.3	-	-	304S51	1.4948	Z6 CN 18-09	2333	P H C B R	19 9
		4878	1.4878	321H	0.05	-	17.3	9.1	-	Ti	321S51	1.4878	Z6 CNT 18-10	2337	P H C B R	19 9 Nb
		153 MA [™]	1.4818	S30415	0.05	0.15	18.5	9.5	-	1.3Si, Ce	-	-	-	2372	P C B R T	253 MA* 253 MA-NF*
		4833	1.4833	309S	0.06	-	22.3	12.6	-	-	309S16	1.4833	Z15 CN 23-13	-	P H C B R	23 12 or 253 MA-NF*
		4828	1.4828	-	0.04	-	20	12	-	2Si	-	1.4828	Z17 CNS 20-12	-	P H C B R	253 MA* or 253 MA-NF*
		253 MA [®]	1.4835	S30815	0.09	0.17	21	11	-	1.6Si, Ce	-	1.4835	-	2368	P H C B R T	253 MA* or 253 MA-NF*
4845	1.4845	310S	0.05	-	25	20	-	-	310S16	1.4845	Z8 CN 25-20	2361	P H C B R	25 20		
4841	1.4841	314	0.07	0.05	24.5	19.5	-	2Si	-	1.4841	Z15 CNS 25-20	-	P	25 20		

¹ designation according to Stahl Eisen Liste (Register of European Steels)

² also available as S31803

³ 317LMN not available in all product forms

*Avesta Welding designation

EN Material Standards

EN 10088-1	Stainless steel grades general, not for ordering
EN 10088-2	Stainless steel flat products for general purposes
EN 10088-3	Stainless steel long products for general purposes
EN 10088-4	Stainless steel flat products, technical delivery conditions, steels for construction
EN 10088-5	Stainless steel long products, technical delivery conditions, steels for construction
EN 10095	Heat resisting steels and Ni alloys
EN 10302	Creep resisting steels and Ni/Co alloys
EN 10028-7	Stainless flat products for pressure purposes
EN 10272	Stainless rolled bar for pressure purposes
EN 10263-5	Stainless rod, bar and wire for cold heading and cold extrusion
EN 10151	Stainless Steel Strip for Springs
EN 10217-7	Welded tubes for pressure purposes
EN 10296-2	Welded tubes for mechanical and general engineering
EN 10253-3	Butt-welding pipe fittings, without specific requirements
EN 10253-4	Butt-welding pipe fittings, with specific requirements

EN Product Conditions

1D	Hot rolled, heat treated, pickled
1G	Hot rolled, ground
1Q	Hot rolled, quenched and tempered, pickled
2H	Work hardened
2E	Cold rolled, heat treated, mech. desc. pickled
2D	Cold rolled, heat treated, pickled
2B	Cold rolled, heat treated, pickled, skin passed
2F	Cold rolled, heat treated, pickled, skin passed on roughened rolls
2R	Cold rolled, bright annealed
2G	Ground
2J	Brushed or dull polished
2K	Satin polished
2M	Patterned
2W	Profile rolled
2L	Coloured

Outokumpu Products

P	Hot rolled plate Quarto
H	Hot rolled strip/sheet CPP
C	Cold rolled strip/sheet
N	Cold rolled narrow strip
B	Bar
R	Rod
T	Tube/pipe
F	Fittings
D	DUPROFTM, profiles in high strength stainless steel

LDX 2101[®], 254 SMO[®], 153 MA[™] and 253 MA[®] are trademarks owned by Outokumpu

Outokumpu Special Steel Conditions

LIC	for improved steel cleanliness
PRODEC [®]	for improved machinability
HyTens [®]	for improved mechanical properties
CCS [®]	for improved mechanical properties
VKS [®]	for improved thickness tolerances
RAPT [™] 2E	for improved thickness tolerances and improved surface finish
Multicertification is made on request to EN/ASTM/ASME as well as to superseded national standards	



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Outokumpu sells in accordance with national and international standards required by customers and these are met in full

Outokumpu Stainless Steel Grades

	Steel designations Outokumpu steel names	EN	ASTM/UNS	Typical chemical composition, %						National steel designations for steel specifications similar to EN				Outokumpu products	Welding consumables Covered electrodes EN 1600		
				C	N	Cr	Ni	Mo	Others	JIS/Japan	GB/PR China	KS/Korea	GOST/Russia				
WET CORROSION AND GENERAL SERVICE	Ferritic	4512	1.4512	409	0.02	0.02	11.5	0.2	-	Ti	SUS 409	-	-	-	C	13 or 19 9L	
		4003	1.4003	S40977	0.02	-	11.5	0.5	-	-	-	-	-	-	P H C	13 or 19 9L	
		4000	1.4000	410S	0.03	0.01	12.5	-	-	-	-	SUS 403	-	08Kh13	P C	13 or 19 9L	
		4016	1.4016	430	0.04	-	16.5	-	-	-	-	SUS 430	1Cr17	STS 430	12Ch17	H C B R	19 9L or 23 12L
		4509	1.4509	S43932	0.02	-	18	-	-	-	Nb, Ti	-	-	-	-	C	19 9 Nb or 18 8 Ti
	4521	1.4521	444	0.02	0.01	17.8	-	2.1	-	Ti	SUS 404	-	-	-	P C	19 12 3L or 23 12 2L	
	Martensitic	4006	1.4006	410	0.12	0.04	12	-	-	-	SUS 410	1Cr12	STS 410	12Ch13	P B R	13, 19 9 or 248 SV*	
		4005	1.4005	416	0.10	0.04	13	-	-	S	SUS 416	Y1Cr13	STS 416	-	B R	248 SV*	
		4021	1.4021	420	0.20	-	13	-	-	-	SUS 420J1	2Cr13	STS 420J1	20Ch13	B R	248 SV*	
		4028	1.4028	420	0.30	-	12.5	-	-	-	SUS 420J2	3Cr13	STS 420J2	30Ch13	R	248 SV*	
		4313	1.4313	S41500	0.03	0.04	12.5	4.1	0.6	-	-	SUS Ti6NM	-	-	-	P	248 SV*
		4548	1.4548 ¹	-	0.05	0.07	15.5	4.2	-	-	Mn	-	-	-	-	R	248 SV*
		248 SV	1.4418	-	0.03	-	16	5	1	-	-	-	-	-	-	(P) B	248 SV*
	Duplex	LDX 2101 [®]	1.4162 ¹	S32101	0.03	0.22	21.5	1.5	0.3	5Mn	-	-	-	-	P H C R T F D	LDX 2101* or 22 9 3 NL	
		2304	1.4362	S32304	0.02	0.10	23	4.8	0.3	-	-	-	-	-	P H C R T F D	2304* or 22 9 3 NL	
		2205	1.4462	S32205 ²	0.02	0.17	22	5.7	3.1	-	-	SUS 329J3L	00Cr22Ni5Mo3N	STS 329J3L	-	P H C B R T F D	22 9 3 NL
		4501	1.4501	S32760	0.02	0.27	25.4	6.9	3.8	-	W, Cu	-	-	-	-	P	25 9 4 NL
		2507	1.4410	S32750	0.02	0.27	25	7	4	-	-	-	-	STS 329J4L	-	P C H T	25 9 4 NL
	Austenitic	4310	1.4310	301	0.10	-	17	7	-	-	SUS 301	1Cr17Ni7	STS 301	07Ch16Ni6	H C B R	19 9L	
		4318	1.4318	301LN	0.02	0.14	17.7	6.5	-	-	SUS 301L	-	STS 301L	-	H C	19 9L	
		4372	1.4372	201	0.05	0.20	17	4	-	7Mn	SUS 201	1Cr17Mn6Ni5N	STS 201	-	H C R	18 9 Mn Mo or 23 12L	
		4568	1.4568	631	0.08	0.02	16.6	7.6	-	Al	SUS 631	-	-	-	R	19 9L	
		4301	1.4301	304	0.04	-	18.1	8.1	-	-	SUS 304	0Cr18Ni9	STS 304	08Ch18Ni10	P H C B R T F	19 9L	
		4307	1.4307	304L	0.02	-	18.1	8.1	-	-	SUS 304L	00Cr18Ni10	STS 304L	03Ch18Ni11	P H C B R T F	19 9L	
		4311	1.4311	304LN	0.02	0.14	18.5	9.2	-	-	SUS 304LN	00Cr18Ni10N	STS 304LN	-	P H C B R	19 9L	
		4541	1.4541	321	0.04	-	17.3	9.1	-	-	Ti	SUS 321	0Cr18Ni10Ti	STS 321	08Ch18Ni10T	P H C B R T F	19 9 Nb or 19 9L
		4550	1.4550	347	0.05	0.04	17.5	9.5	-	-	Nb	SUS 347	0Cr18Ni11Nb	STS 347	08Ch18Ni12B	P C R	19 9 Nb or 19 9L
		4305	1.4305	303	0.05	-	17.3	8.2	-	-	S	SUS 303	Y1Cr18Ni9	12Ch18Ni10E	-	P B R	19 9L
		4303	1.4303	305	0.04	-	17.7	12.5	-	-	-	SUS 305J1	1Cr18Ni12	STS 305	06Ch18Ni11	P H C B R	19 9L
		4306	1.4306	304L	0.02	-	18.2	10.1	-	-	-	SUS 304L	00Cr19Ni10	STS 304L	03Ch18Ni11	P H C B R T F	19 9L
		4567	1.4567	S30430	0.01	-	17.7	9.7	-	-	3Cu	SUS XM7	0Cr18Ni9Cu3	-	-	B R	19 9L
		4401	1.4401	316	0.04	-	17.2	10.1	2.1	-	-	SUS 316	0Cr17Ni12Mo2	STS 316	-	P H C B R T F	19 12 3L
		4404	1.4404	316L	0.02	-	17.2	10.1	2.1	-	-	-	00Cr17Ni14Mo2	STS 316L	03Ch17Ni14M2	P H C B R T F	19 12 3L
		4427	1.4427 ¹	-	0.02	0.05	16.9	10.7	2.6	-	S	-	-	-	-	P	19 12 3L
		4436	1.4436	316	0.04	-	16.9	10.7	2.6	-	-	SUS 316	0Cr17Ni12Mo2	STS 316	-	P H C B R T F	19 12 3L
		4432	1.4432	316L	0.02	-	16.9	10.7	2.6	-	-	-	00Cr17Ni14Mo2	STS316L	03Ch17Ni14M3	P H C B R T F	19 12 3L
		4406	1.4406	316LN	0.02	0.14	17.2	10.3	2.1	-	-	SUS 316LN	00Cr17Ni12Mo2N	STS 316LN	-	P H C B R	19 12 3L
		4429	1.4429	S31653	0.02	0.14	17.3	12.5	2.6	-	-	SUS 316LN	00Cr17Ni13Mo2N	STS 316LN	-	P R	19 12 3L
		4571	1.4571	316Ti	0.04	-	16.8	10.9	2.1	-	Ti	SUS 316Ti	0Cr18Ni12Mo2Ti	STS 316Ti	08Ch17Ni13M2T	P H C B R T F	19 12 3 Nb or 19 12 3L
		4435	1.4435	316L	0.02	-	17.3	12.6	2.6	-	-	SUS 316L	00Cr17Ni14Mo2	STS 316L	03Ch17Ni14M3	P H C B R T F	19 12 3L
		3952	1.3952 ¹	-	0.02	0.18	16.9	13.2	2.7	-	-	-	-	-	-	P	20 16 3 Mn L
		4438	1.4438	317L	0.02	-	18.2	13.7	3.1	-	-	SUS 317L	00Cr19Ni13Mo3	STS 317L	-	P C B R	317L/SNR*
		4439	1.4439	317LMN ³	0.02	0.14	17.3	13.7	4.1	-	-	-	-	-	-	P C	20 25 5 Cu L
		725LN	1.4466	S31050	0.01	0.12	25	22.3	2.1	-	-	-	-	-	-	P	25 22 2 N L
		3964	1.3964 ¹	-	0.02	0.27	20.5	15.4	3.2	-	Mn, Nb	-	-	-	-	P	20 16 3 Mn L
904L		1.4539	904L	0.01	-	20	25	4.3	-	1.5Cu	-	-	STS 317J5L	-	P H C B R T F	20 25 5 Cu L or P12*	
4529		1.4529	N08926	0.01	0.20	20.5	24.8	6.5	-	Cu	-	-	-	-	P	P12* or P16* or P54*	
254 SMO [®]		1.4547	S31254	0.01	0.20	20	18	6.1	-	Cu	-	-	-	-	P H C B R T F	P12* or P16* or P54*	
4565	1.4565	S34565	0.02	0.45	24	17	4.5	-	5.5Mn	-	-	-	-	P C	P16* or P54*		
HEAT AND CREEP	Ferritic	4713	1.4713	-	0.07	0.02	6.5	-	-	0.7Al	-	-	-	-	P	18 9 Mn Mo or 23 12	
		4724	1.4724	-	0.08	0.02	12.3	-	-	0.8Al	-	-	-	10Kh13SYu	P	23 12	
		4742	1.4742	-	0.08	0.02	17.5	-	-	1Al	-	-	-	-	P	23 12 or 253 MA*	
		4762	1.4762	-	0.08	0.02	23.4	-	-	1.4Al	-	-	-	-	P	25 20 or 23 12	
	Austenitic	4948	1.4948	304H	0.05	-	18.1	8.3	-	-	SUS 304	1Cr18Ni9	STS 304	08Ch18Ni10	P H C B R	19 9	
		4878	1.4878	321H	0.05	-	17.3	9.1	-	Ti	SUS 321	1Cr18Ni9Ti	STS 321	08Ch18Ni10T	P H C B R	19 9 Nb	
		153 MA [™]	1.4818	S30415	0.05	0.15	18.5	9.5	-	-	1.3Si, Ce	-	-	-	P C B R T	253 MA* or 253 MA-NF*	
		4833	1.4833	309S	0.06	-	22.3	12.6	-	-	-	SUS 309	0Cr23Ni13	STS 309S	20Ch23Ni13	P H C B R	23 12 or 253 MA-NF*
		4828	1.4828	-	0.04	-	20	12	-	-	2Si	SUH 309	1Cr20Ni14Si2	-	08Ch20Ni14C2	P H C B R	253 MA* or 253 MA-NF*
		253 MA [®]	1.4835	S30815	0.09	0.17	21	11	-	-	1.6Si, Ce	-	-	-	-	P H C B R T	253 MA* or 253 MA-NF*
		4845	1.4845	310S	0.05	-	25	20	-	-	-	SUS 310S	0Cr25Ni20	STS 310S	10Ch23Ni18	P H C B R	25 20
		4841	1.4841	314	0.07	0.05	24.5	19.5	-	-	2Si	-	-	-	20Kh25N2052	P	25 20

¹ designation according to Stahl Eisen Liste (Register of European Steels)

² also available as S31803

³ 317LMN not available in all product forms

*Avesta Welding designation

EN Material Standards

EN 10088-1	Stainless steel grades general, not for ordering
EN 10088-2	Stainless steel flat products for general purposes
EN 10088-3	Stainless steel long products for general purposes
EN 10088-4	Stainless steel flat products, technical delivery conditions, steels for construction
EN 10088-5	Stainless steel long products, technical delivery conditions, steels for construction
EN 10095	Heat resisting steels and Ni alloys
EN 10302	Creep resisting steels and Ni/Co alloys
EN 10028-7	Stainless flat products for pressure purposes
EN 10272	Stainless rolled bar for pressure purposes
EN 10263-5	Stainless rod, bar and wire for cold heading and cold extrusion
EN 10151	Stainless Steel Strip for Springs
EN 10217-7	Welded tubes for pressure purposes
EN 10296-2	Welded tubes for mechanical and general engineering
EN 10253-3	Butt-welding pipe fittings, without specific requirements
EN 10253-4	Butt-welding pipe fittings, with specific requirements

EN Product Conditions

1D	Hot rolled, heat treated, pickled
1G	Hot rolled, ground
1Q	Hot rolled, quenched and tempered, pickled
2H	Work hardened
2E	Cold rolled, heat treated, mech. desc. pickled
2D	Cold rolled, heat treated, pickled
2B	Cold rolled, heat treated, pickled, skin passed
2F	Cold rolled, heat treated, pickled, skin passed on roughened rolls
2R	Cold rolled, bright annealed
2G	Ground
2J	Brushed or dull polished
2K	Satin polished
2M	Patterned
2W	Profile rolled
2L	Coloured

Outokumpu Products

P	Hot rolled plate Quarto
H	Hot rolled strip/sheet CPP
C	Cold rolled strip/sheet
N	Cold rolled narrow strip
B	Bar
R	Rod
T	Tube/pipe
F	Fittings
D	DUPROF [™] , Profiles in high strength stainless steel

LDX 2101[®], 254 SMO[®], 153 MA[™] and 253 MA[®] are trademarks owned by Outokumpu

Outokumpu Special Steel Conditions

LIC	for improved steel cleanliness
PRODEC [®]	for improved machinability
HyTens [®]	for improved mechanical properties
CCS [®]	for improved mechanical properties
VKS [®]	for improved thickness tolerances
RAP [™] 2E	for improved thickness tolerances and improved surface finish

Multicertification is made on request to EN/ASTM/ASME as well as to superseded national standards



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