



Stainless steel has many fine properties in addition to being corrosion resistant:

- High and stable technical performance
- Stability in demanding environments with extreme requirements on precision and safety
- Hygienic and clean, well suited to hospital environments and the demanding electronics industry
- Economically and environmentally favorable

STAINLESS STEEL GRADES FROM FAGERSTA

Aim analyses

Type	EN10088	SS	FSAB	C %	Cr %	Ni %	Mo %	N %	Others	CWH	Md-30/N
302	1.4301	2332	R320.14	0.050	17.8	8.6	0.60*	0.035		120	-1
302	1.4310	-	R300.31	0.10	17.3	8.2	0.60*	0.040*		139	-8
302	1.4310	2332	R300.20	0.052	17.4	8.2	0.60*	0.050		128	4
304	1.4301	2333	R350.19	0.030	18.2	8.2	0.60*	0.050*		108	9
304L	1.4306	2352	R350.11	0.030*	18.3	10.3	0.50*	0.050*		91	-48
304L	1.4301	2352	R350.20	0.025*	18.5	9.8	0.60*	0.030*		90	-30
304L	1.4307	2352	R350.30	0.023	18.5	9.3	0.60*	0.030*		95	-18
304L	1.4301	2333	R350.43	0.030*	18.3	8.5	0.60*	0.060*		93	2
304Cu	1.4567	-	R575.21	0.025*	17.9	9.7	0.40*	0.035*	3.5 Cu	-	-
305	1.4303	-	R390.21	0.015*	17.7	11.2	0.60*	0.030*		90	-47
310S	1.4845	-	R820.10	0.045	24.7	19.4	0.60*	0.050*		-	-
314	-	-	R823.11	0.030*	23.5	19.4	0.60*	0.060*	2.7 Si	-	-
316L	1.4404	2348	R425.10	0.025*	16.8	11.2	2.1	0.060*		92	-90
316Cu	1.4578	-	R545.11	0.030*	17.0	10.8	2.2	0.040*	3.20 Cu	-	-
321	1.4541	2337	R359.10	0.030	17.8	9.2	0.60*	0.020*	0.35 Ti	-	-
330	-	-	R860.13	0.030*	18.5	34.5	0.50*	0.080*		-	-
409Ti	1.4512	-	R109.11	0.030*	11.3	0.50*	0.10*	0.040*	0.30 Ti	-	-
430	1.4016	2320	R250.11	0.020*	16.4	0.30*	0.10*	0.030*		-	-
430	1.4016	2320	R250.17	0.050	16.8	0.30*	0.50*	0.050*		-	-
434	1.4113	-	R240.10	0.040	16.4	0.50*	1.05	0.040*		-	-
446	-	-	R270.70	0.050	23.9	0.50*	0.54*	0.085		-	-
253MA [®]	1.4835	-	R327.10	0.075	21.0	10.2	0.30*	0.165	0.045 Ce	-	-
254SMO [®]	-	2378	R847.10	0.018*	19.9	17.9	6.1	0.22*	0.70 Cu	-	-
904L	1.4539	2562	R840.70	0.015*	20.0	25.0	4.5	0.050	1.5 Cu	-	-
SAF2205	1.4462	2377	R647.70	0.017	22.2	5.2	3.2	0.180		-	-

* max content

[®] registered trademark of Outokumpu

RAW MATERIALS

Our wire is produced mainly from our own wire rod. The integrated production line, melting shop – rod mill – wire mill, offers the opportunity to tailor compositional and product properties in accordance with specific customer requirements.

Our rod mill produces wire rod in different finishes, which gives us the possibility to optimize wire characteristics such as surface, grain size and mechanical properties.

We control and optimize the product properties by using the CWH- factor (Cold Work Hardening) developed by Fagersta Stainless and the Md30 factor.

QUALITY ASSURANCE

Fagersta Stainless has a quality management system, of which its main aim is to ensure consistent application of this policy throughout the company.

This system is approved to ISO9001:2000. The objective of this is to further focus on customer satisfaction, high product quality, cost effectiveness and continuous improvement in all areas.



INSPECTION CERTIFICATE

All products from Fagersta Stainless AB are delivered together with an inspection certificate meeting EN 10204, of which the most common being type 3.1, containing data on the composition and mechanical properties of the product. Additional properties can be reported on the certificate in accordance with customer requirements at the time of ordering.



TECHNICAL SUPPORT

A direct consequence of our quality policy is that we actively provide technical support to our customers. Issues concerning development of products and processes are discussed during regular scheduled visits and everyday problems via direct contact. A close and open relationship with our customers is a prerequisite for this work.



Extensive work with measurement and control systems ensures uniform and reliable quality. SPC, statistical process control, is an important component in our way of working.

Fagersta Stainless is unique in that we only produce stainless wire rod and wire. Quality systems and control are key words running through all stages of our production, from steel composition and production to delivery precision and customer relations.