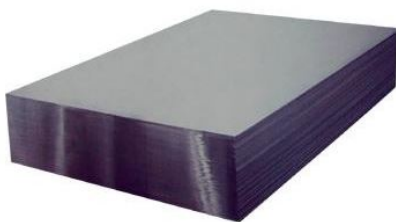




Sheet and Coil

Maximum Corrosion Resistance



1.4435/316L

MaxCore 6Mo

MaxCore 904L

MaxCore Alloy 22



Components, equipment and tubes - made of stainless steel and special alloys

NEUMO in Knittlingen was founded by Senator Henry J. Ehrenberg in 1947. The young enterprise quickly became a leading supplier of components for the food processing industry.

NEUMO is the parent company of an owner-managed group of companies with more than 1.900 employees. Today, NEUMO is the leader in technology regarding components, vessels, assemblies and apparatuses, made of stainless steel and special alloys for the fluid handling, used in the significant production processes of the pharmaceutical industry, biotechnology, chemical industry and semiconductor technology.

NEUMO – Product Innovations for Tomorrow's Markets

When biosciences really started to take off in the 1970s and the triumph of biotechnology appeared to be inevitable, NEUMO made an important strategic decision: to shift its focus on aseptic technology. A successful move as it turned out, since today the majority of all biopharmaceuticals is made in plants

equipped with components, apparatuses and tubes supplied by the NEUMO Ehrenberg Group.

The production site in Knittlingen is specialised in the development and production of sterile applications, pooling its expertise in the fabrication of high-alloy stainless steels, corrosion resistant duplex steels and nickel-base alloys.

The product range includes special tubing grades, couplings, all kinds of fittings and equipment as well as fabrication to drawing. Furthermore, NEUMO is a significant OEM manufacturer of pharmaceutical vessels and fermenters and a major supplier of equipment such as aseptic heat exchangers.

NEUMO has taken over technological leadership with innovative and unique solutions such as elastomer-free coupling as well as the CleanLip technology. These innovations led for example to the aseptic couplings which have gone from strength to strength in red biotechnology, marketed under the brand names BioConnect®, ConnectS® and BioControl®.

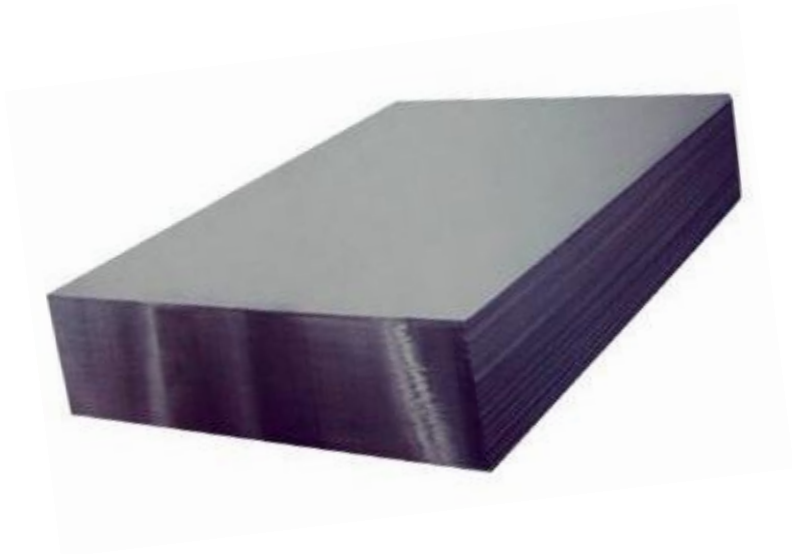




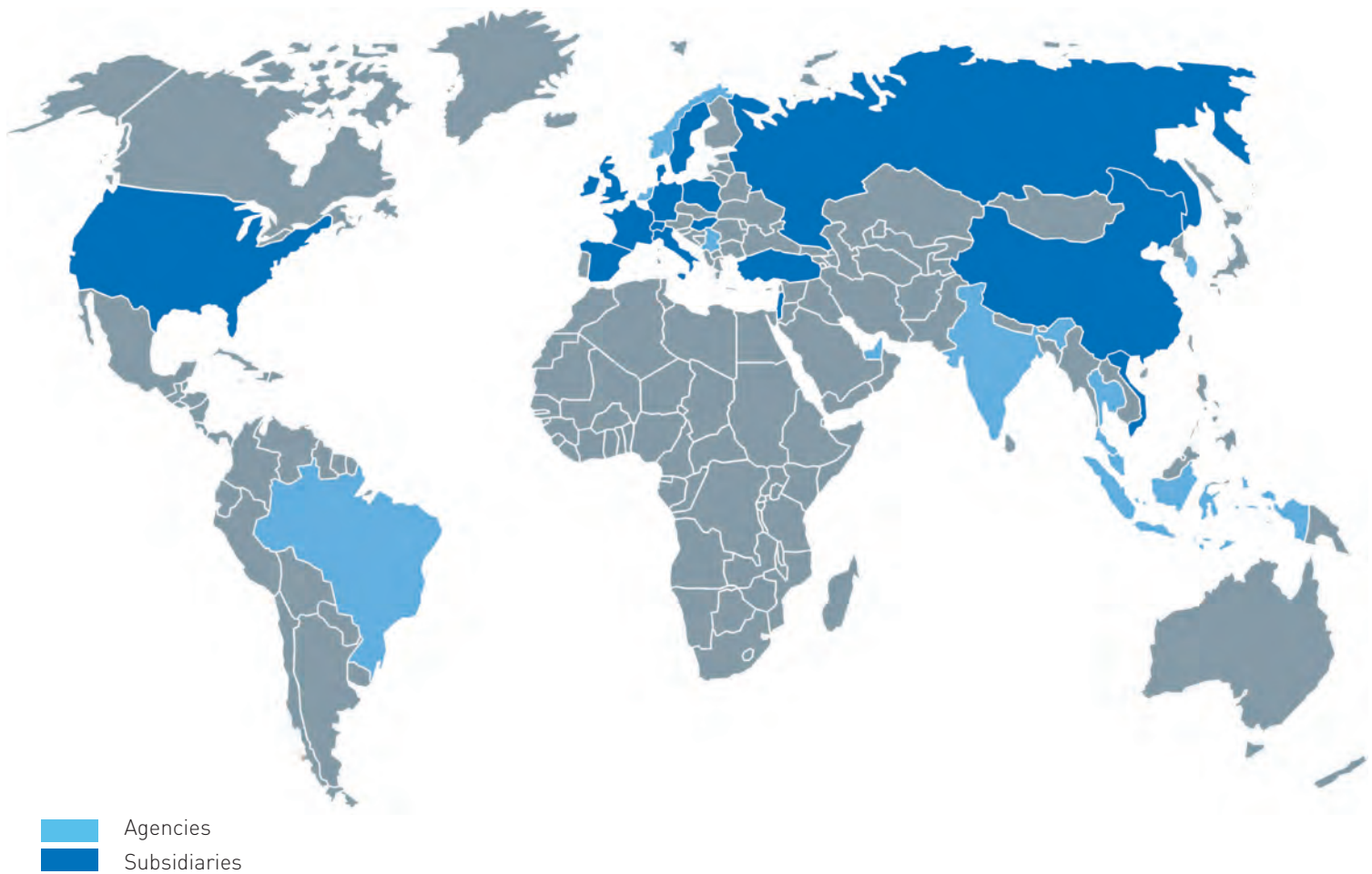
EN	Type	C %	Cr %	Ni %	Mo %	Si %	Mn %	S %	P %	other	Comparable material AISI	Comparable material SS
1.4301	austenite	0,07	17,5-19,5	8,0-10,5	-	1,0	2,0	0,015	0,045	N ≤ 0,11	304	2333
1.4306		0,03	18,0-20,0	10,0-12,0	-	1,0	2,0	0,015	0,045	N ≤ 0,11	304L	2352
1.4307		0,03	17,5-19,5	8,0-10,5	-	1,0	2,0	0,015	0,045	N ≤ 0,11	304L	-
1.4541		0,08	17,0-19,0	9,0-12,0	-	1,0	2,0	0,015	0,045	Ti (5xC)-0,70	321	2337
1.4401	austenite (acid-resistant)	0,07	16,5-18,5	10,0-13,0	2,0-2,5	1,0	2,0	0,015	0,045	N ≤ 0,11	316	2347
1.4404		0,03	16,5-18,5	10,0-13,0	2,0-2,5	1,0	2,0	0,015	0,045	N ≤ 0,11	316L	2348
1.4432		0,03	16,5-18,5	10,5-13,0	2,5-3,0	1,0	2,0	0,015	0,045	N ≤ 0,11	316L	2353
1.4435		0,03	17,0-19,0	12,5-15,0	2,5-3,0	1,0	2,0	0,015	0,045	N ≤ 0,11	316L	2353
1.4539		0,02	19,0-21,0	24,0-26,0	4,0-5,0	0,7	2,0	0,015	0,030	N ≤ 0,15; Cu 1,20-2,00	904L	2562
1.4571		0,08	16,5-18,5	10,5-13,5	2,0-2,5	1,0	2,0	0,015	0,045	Ti (5xC)-0,70	316Ti	2350
1.4529	Super-austenite (6-Moly)	0,02	20,0-21,0	24,5-25,5	6,0-6,8	0,5	1,0	0,005	0,030	N 0,18-0,2%, Cu 0,8-1,0%	AL-6XN®	-
1.4547		0,02	19,5-20,5	17,5-18,5	6,0-7,0	0,7	1,0	0,010	0,030	N 0,18-0,25%, Cu 0,5-1,0%	UNS S 31254	254 SMO
1.4462	Duplex	0,03	21,0-23,0	4,5-6,5	2,5-3,5	1,0	2,0	0,015	0,035	N 0,10-0,22	UNS S 31803	2377
1.4501	Super-duplex	0,03	24,0-26,0	6,0-8,0	3,0-4,0	1,0	1,0	0,015	0,035	N 0,20-0,30%, Cu 0,5-1,0%, W 2,5-3,5%	UNS S 32760	-
1.4410		0,03	24,0-26,0	6,0-8,0	3,5-5,0	1,0	1,0	0,015	0,035	N 0,24-0,32%	UNS S 32750	-
2.4602	nickel -base alloy	0,01	20,0-22,5	Rest (ca. 60%)	12,5-14,5	0,08	0,5	0,010	0,025	Fe 2-6%, W 2,5-3,5%, Co ≤ 2,5%	Hastelloy C-22	-
2.4605		0,01	22,0-24,0	Rest (ca. 60%)	15,0-16,0	0,1	0,5	0,015	0,025	Fe ≤ 1,5%, Cu ≤ 0,5%, Co ≤ 0,3%	Alloy 59	-
2.4610		0,009	14,5-17,5	Rest (ca. 65%)	14,0-17,0	0,05	1,0	0,010	0,020	Fe ≤ 3,0%, Ti ≤ 0,7%, Co ≤ 2,0%	Hastelloy C4	-
2.4819		0,01	14,5-16,5	Rest (ca. 58%)	15,0-17,0	0,08	1,0	0,010	0,025	Fe 4-7%, W 3,0-4,5%, Co ≤ 2,5%	Hastelloy C-276	-

All information supplied without warranty

- 1.4539/904L
- AL-6XN®
- 2.4602/C-22
- 2.4605/Alloy 59
- 2.4610/C-4
- 2.4819/C-276
- 1.4462
- Titanium
- ...



NEUMO worldwide



The **NEUMO Ehrenberg Group** is a privately owned and managed multi-national corporate group with more than 1.900 employees.

Founded in 1947, NEUMO, the group's parent company, now produces, manufactures and supplies fittings, equipment and tubes made from stainless steel as well as corrosion-resistant special alloys for the pharmaceutical, biotechnology, chemical and semicon industries.

NEUMO products provide a significant contribution to safety and integrity of production processes.

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