316L stainless steel is the most common material used in our applications. This is the reason why all of our equipment that may come in contact with the fluid is manufactured in SS 316L as a standard. However, we offer a **wide range of complementary materials*** adapted to your needs: carbon steel, stainless steel, duplex, super-duplex, hastelloy®, inconel®, soft iron, bronze, cupro-nickel, aluminum, titanium, ceramic, plastic, fiberglass…

*non-exhaustive list

We insure traceability of all our raw materials: we can provide inspection documents type 2.1, 2.2, 3.1 or 3.2 according to NF EN 10204 standard (see inspection documents on page 57).

TYPE	W.N°	DENOMINATION				USUAL NAME	REMARKS
		AMERICAN			EUROPEAN		
		ROUND	**TUBE**	**SHEET METAL**			
NON-ALLOY STEELS	1.0402	A 29 SAE 1020		A 830 SAE 1020	C22		Standard structural steel
	1.0501	A 29 SAE 1035		A 830 SAE 1035	C35		Standard structural steel
	1.0503	A 29 SAE 1045		A 830 SAE 1045	C45		Standard structural steel
	1.0535	A 29 SAE 1055		A 830 SAE 1055	C55		Standard structural steel
	1.0037	SAE 1009			S235		Standard structural steel
	1.0045	A 29 SAE 1518			S355		C-Mn structural steel
	1.0305	-	A/SA 106 gr.A	-	P235GH TC1		Steel for pressure vessels
	1.0345	-	-	-	P235GH		Steel for pressure vessels
	1.0405	-	A/SA 106 gr.B	-	P265GH TC1		Steel for pressure vessels
	1.0425	A/SA 105	-	-	P265GH		Steel for pressure vessels
	1.0488	-	-	A/SA 516 gr.60	P275NL1		Fine grain steel (higher resilience)
	1.0488	A/SA 350 LF2	-	-	P295GH		Steel for pressure vessels
	1.0481	-	A/SA 106 gr.C	-	P295GH		Steel for pressure vessels
	10566	-	-	A/SA 516 gr.70	P355NL1		Fine grain steel (higher resilience)
	1.0457	-	A/SA 333 gr.6	-	L245NB		Steel for low temperature pressure vessels
	1.0562	A 694 F52	API 5L X52		P355N		Steel for pressure vessels - fine grain (higher resilience)
	1.0582		API 5L X52		L360NB		Fine grain steel (higher resilience)
	1.8902	A 694 F50	API 5L X60		P420N		Steel for pressure vessels - fine grain (higher resilience)
	1.8972		API 5L X60		L415NB		Fine grain steel (higher resilience)
LOW ALLOY Mo AND Cr-Mo STEELS		**ROUND**	**TUBE**	**SHEET METAL**			
	1.5415	A/SA 182 F1	A/SA 335 P1	A/SA 204 Gr.B	16Mo3		Steel with high temperature characteristic
	1.7218	-	-	-	25CrMo4	AISI 4130 / 25 CD 4	Steel for mechanical construction suitable for hardening (good toughness) - Threaded rods
	1.7225	-	-	-	42CrMo4	AISI 4140 / B7	Steel for mechanical construction suitable for hardening (good toughness) - Threaded rods
	1.7335	A/SA 182 F11	A/SA 335 P11	A/SA 387 gr.11	13CrMo4-5		Steel with high temperature characteristic
	1.7335	A/SA 182 F12	A/SA 335 P12	A/SA 387 gr.12	13CrMo4-5		Steel with high temperature characteristic
	1.7380	A/SA 182 F22	A/SA 335 P22	A/SA 387 gr.22	10CrMo9-10		Steel with high temperature characteristic
	1.4903	A/SA 182 F91	A/SA 335 P91	A/SA 387 gr.91	X10CrMoVNb9-1		Steel with high temperature characteristic and high chromium content - Oil / gas market
	1.4901	A 182 F92	A 335 P92	-	X10CrWMoVNb9-2		Steel with high temperature characteristic and high chromium content - Oil / gas market
	1.7362	A/SA 182 F5	A/SA 335 P5	A/SA 387 gr.5	12CrMo19-5		Steel with high temperature characteristic
	1.7386	A/SA 182 F9	A/SA 335 P9	A/SA 387 gr.9	X11CrMo9-1		Steel with high temperature characteristic and high chromium content

TYPE	W.N°	DENOMINATION AMERICAN ROUND	AMERICAN TUBE	AMERICAN SHEET METAL	EUROPEAN	USUAL NAME	REMARKS
AUSTENITIC AND DUPLEX STAINLESS STEELS		**ROUND**	**TUBE**	**SHEET METAL**			
	1.4301	A/SA 182 F304	A/SA 335 P1	A/SA 240 304	X5CrNi18-10	304	Austenitic stainless steel with Ni ≥ 2.5 % but without molybdenum Excellent ductility (suitable for low temperature applications)
	1.4306	A/SA 182 F304L	A/SA 312 TP304L	A/SA 240 304L	X2CrNi19-11	304L	Austenitic stainless steel with Ni ≥ 2.5 % but without molybdenum Low carbon therefore less sensitive to corrosion than its 304 equivalent Excellent ductility (suitable for low temperature applications)
	1.4307	A/SA 182 F304L	A/SA 312 TP304L	A/SA 240 304L	X2CrNi18-9	304L	Austenitic stainless steel with Ni ≥ 2.5 % but without molybdenum Low carbon therefore less sensitive to corrosion than its 304 equivalent Excellent ductility (suitable for low temperature applications)
	1.4401	A/SA 182 F316	A/SA 312 TP316	A/SA 240 316	X5CrNiMo17-12-2	316	Austenitic stainless steel with Ni ≥ 2.5 % + molybdenum Excellent ductility (suitable for low temperature applications)
	1.4404	A/SA 182 F316L	A/SA 312 TP316L	A/SA 240 316L	X2CrNiMo17-12-2	316L	Austenitic stainless steel with Ni ≥ 2.5 % + molybdenum Low carbon therefore less sensitive to corrosion than its 316 equivalent Excellent ductility (suitable for low temperature applications)
	1.4541	A/SA 182 F321	A/SA 312 TP321	A/SA 240 321	X6CrNiTi18-10	321	Austenitic stainless steel with added titanium Excellent resistance to intergranular corrosion and oxidation up to 800 °C
	1.4571	A/SA 182 F316Ti	A/SA 312 TP316Ti	A/SA 240 316Ti	X6 CrNiMoTi17-12-2	316Ti	Austenitic stainless steel with added titanium Excellent resistance to intergranular corrosion and oxidation up to 870 °C
	1.4539	A/SA 182 F904L	A/SA 312 TP904L	A/SA 240 904L	X1NiCrMoCu25-20-5	904L / Uranus® B6	Austenitic stainless steel (high nickel, chromium and molybdenum content) Resistant to corrosion in contact with sulfuric and phosphoric acid
	1.4410	A/SA 182 F53	A/SA 790 S32750	A/SA 240 S32750	X2CrNiMoN25-7-4	Super duplex F53 / Uranus® 2507	Austeno-ferritic stainless steel More resistant but less ductile than conventional austenitic stainless steel Resistant to intergranular corrosion as well as corrosion in seawater
	1.4462	A/SA 182 F51	A/SA 790 S31803	A/SA 240 S31803	X2CrNiMoN22-5-3	Duplex F51 / Uranus® 2205	Austeno-ferritic stainless steel More resistant but less ductile than conventional austenitic stainless steel Resistant to intergranular corrosion as well as corrosion in seawater
	1.4462	A/SA 182 F60	A/SA 790 S32205	A/SA 240 S32205	X2CrNiMoN22-5-3	Duplex F60 / Uranus® 2205	Austeno-ferritic stainless steel More resistant but less ductile than conventional austenitic stainless steel Resistant to intergranular corrosion
HEAT-RESISTANT STAINLESS STEELS		**ROUND**	**TUBE**	**SHEET METAL**			
	1.4828	A/SA 479 309S	A/SA 312 TP309S	A/SA 240 309S	X15 CrNiSi20-12	309S	Austenitic stainless steel with Ni ≥ 2.5 % Good resistance to hot oxidation up to 1000 °C and good creep resistance up to 850 °C
	1.4845	A/SA 479 310S	A/SA 312 TP310S	A/SA 240 310S	X8CrNi25-21	310S	Austenitic stainless steel with Ni ≥ 2.5 % Insensitive to high temperature embrittlement under low cyclic conditions Frequent use for furnaces and boilers
NICKEL BASE ALLOYS (CORROSION AND HEAT RESISTANT)		**ROUND**	**TUBE**	**SHEET METAL**			
	2.4602	B 574 N06022	B 622 N06022	B 575 N06022	NiCr21Mo14W	Alloy C22	Similar to C 276 with more versatile corrosion resistance Frequent use in chemical treatment plant and paper converting (resistant to pitting, intergranular and stress corrosion) Resistant to wet chlorine gas, chlorine oxide and hypochlorite solutions
	2.4819	B/SB 574 N10276	B/SB 622 N10276	B/SB 575 N10276	NiMo16Cr15W	Alloy C276	Frequent use in chemical processing plants and pulp production (resistant to pitting, intergranular and stress corrosion) Resistant to wet chlorine gas, chlorine oxide and hypochlorite solutions
	2.4360	B/SB 164 N04400	B/SB 165 N04400	B/SB 127 N04400	NiCu30Fe	Alloy 400	Retains its mechanical properties up to 400/500 °C Insensitive to stress corrosion cracking induced by chloride ions (can work in contact with sea water) Authorized use in pressure vessels up to 425 °C
	2.4816	B/SB 166 N06600	B/SB 167 N06600	B/SB 168 N06600	NiCr15Fe	Alloy 600	Retains its mechanical properties at high temperature Used for the construction of industrial furnaces, and when high temperature gases contain elements of the halogen family Used in wet corrosion conditions
	2.4856	B/SB 446 N06625	B/SB 444 N06625	B/SB 443 N06625	NiCr22Mo9Nb	Alloy 625	Resistant to corrosion in contact with sulfuric and phosphoric acid Retains its mechanical properties at high temperature Frequent use in marine environment (resistant to pitting, intergranular and stress corrosion)
	1.4876	B/SB 408 N08800	B/SB 163 N08800	B/SB 409 N08800	X10NiCrAlTi32-20	Alloy 800	Resistant to hot oxidation and good creep resistance Used in the construction of industrial furnaces, carbonization plants, steam boilers and heat exchangers
	2.4858	B/SB 425 N08825	B/SB 163 N08825	B/SB 424 N08825	NiCR21Mo	Alloy 825	Resistant to corrosion in contact with sulfuric and phosphoric acid, and treatment of nuclear waste Authorized use in pressure vessels up to 425 °C