

Technical information

Material key

Ti-910 EN

Edition: 2024-04

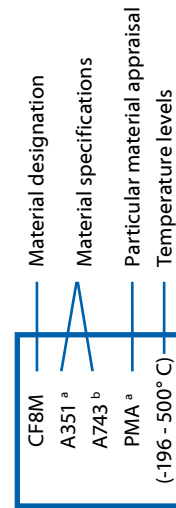
Material type	Casting		Bar, rod		Plate, strip		Forging		Common language
	SS	EN	ASTM AISI/SAE	EN	ASTM AISI/SAE	EN	ASTM AISI/SAE	EN	
Austenitic stainless		1.4308 EN10213 ^a EN10283 ^b	CF8 A351 ^a A743 ^b	1.4301 EN10272 ^c EN10088 ^d	304	1.4301 EN10028-7 ^c EN10088-2 ^d	304	1.4301 EN10222-5 ^c EN10250-4 ^d	SS 2333
Austenitic stainless		1.4309 EN10213 ^a EN10283 ^b	CF3 A351 ^a A743 ^b (<425° C)	1.4307 EN10272 ^c EN10088-3 ^d	304L	1.4307 EN10028-7 ^c EN10088-2 ^d	304L	1.4307 EN10222-5 ^c EN10250-2 ^d	SS 2352
Austenitic stainless high temperature				1.4835 EN10095 ^d (< 900° C)	F45	1.4835			SS 2368 253MA
Austenitic stainless high temperature		1.4552 EN10213 ^a EN10283 ^b	CF8C A351 ^a A743 ^b	1.4550 EN10272 ^c EN10088-3 ^d	347	1.4450 EN10028-7 ^c EN10088-2 ^d	347	1.4550 EN10222-5 ^c EN10250-4 ^d	SS 2337
Austenitic acid proof	Steel 2343-12 SS142343 PMA	1.4408 EN10213 ^a EN10283 ^b	CF8M A351 ^a /A743 ^b PMA ^a (-196 - 550° C)	1.4401 EN10272 ^c EN10088-3 ^d	316	1.4401 EN10028-7 ^c EN10088-2 ^d	316	1.4401 EN10222-5 ^c EN10250-2 ^d	SS 2343
Austenitic acid proof		1.4409 EN10213 ^a EN10283 ^b	CF3M A351 ^a A743 ^b (<455° C)	1.4404 EN10272 ^c EN10088-3 ^d	316L	1.4404 EN10028-7 ^c EN10088-2 ^d	316L	1.4404 EN10222-5 ^c EN10250-2 ^d	SS 2353
Austenitic acid proof			CG8M A351 ^a A743 ^b PMA ^a (-60 - 400° C)		317		317		SS 2366
Austenitic acid proof			CG3M A351 ^a A743 ^b PMA ^a (-60 - 400° C)	1.4438 EN10088-3 ^d	317L	1.4438 EN10028-7 ^c EN10088-2 ^d	317L	1.4438 EN10222-5 ^c EN10250-2 ^d	SS 2367



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	SS	EN	ASTM AISI/SAE	EN	ASTM AISI/SAE	EN	ASTM AISI/SAE	EN	
Super-austenitic			CK-3MnCuN A351 ^a A743 ^b PMA ^a (-60 - 500° C)	1.4547 EN10272 ^c EN10088-3 ^d	F44 S31254 A479 ^c	1.4547 EN10028-7 ^c EN10088-2 ^d	F44	1.4547 EN10250-4 ^d	SS 2378 SMO254
Super-austenitic		1.4458 EN10213 ^a EN10283 ^b (196 - 400° C)		1.4539 EN10272 ^c EN10088-3 ^d	904L	1.4539 EN10028-7 ^c EN10088-2 ^d	904L	1.4539 EN10250-4 ^d	SS 2562
Duplex	Steel 2324-12 SS 142324 (<350° C)		CD4MCu A351	1.4460 EN10088-3 ^d (<250° C)	329 S32906	1.4460	329	1.4460 EN10250-4 ^d (<250° C)	SS 2324
Duplex		1.4470 EN10213 ^a EN10283 ^b (<250° C)	4A (CD3MN) A995 ^a A890 ^b PMA ^a (< 315° C)	1.4462 EN10272 ^c EN10088-3 ^d (<250° C)	S31803 A479 ^c F51	1.4462 EN10028-7 ^c EN10088-2 ^d (<250° C)	F51	1.4462 EN10222-5 ^c EN10250-4 ^d (<250° C)	SS 2377
Super-Duplex		1.4469 EN10213-4 ^a EN10283 ^b (<250° C)	5A (CE3MN) A995 ^a A890 ^b PMA ^a (< 315° C)	1.4410 EN10272 ^c EN10088-3 ^d (<250° C)	S32750 A479 ^c F53	1.4410 EN10028-7 ^c (<250° C)	F53	1.4410 EN10222-5 ^c EN10250-2 ^d (<250° C)	SS 2328
Nickel alloy			CW6M A494 ^b PMA ^a (-60 - 400° C)						Hi Ni
Nickel alloy			N10276/ Hastelloy C-276 B574 ^d PMA ^c (-60 - 400° C)						Hi Ni
Nickel alloy			CN7M A351 ^a A743 ^b PMA ^a (-60 - 400° C)		N08020		N08020		Alloy 20



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	SS	EN	ASTM AISI/SAE	EN	ASTM AISI/SAE	EN	ASTM AISI/SAE	EN	
Titanium			C - 2 B367 ^b PMA ^a (-60 - 200° C)		2 B348 ^d PMA ^c (-60 - 200° C)				Titanium grade 2
Titanium			C - 3 B367 ^b		3 B348 ^d				Titanium grade 3
Titanium			<u>Ti-Pd7B</u> B367 ^b PMA ^a (-60 - 200° C)		7 B348 ^d				Titanium grade 7
Martensitic Stainless		1.4931 EN10213 ^a (< 600° C)		1.4923 EN10302 ^d (< 600° C)					
Martensitic Stainless			<u>CA6NM</u> Class A A487 ^b PMA ^a (20 - 427° C)	1.4313 EN 10272 ^c EN 10088-3 ^d (< 300° C)	1.4313 EN 10028-7 ^c EN 10088-2 ^d (< 350° C)		1.4313 EN 10222-5 ^c EN 10250-4 ^d (< 350° C)		



- ^a Material specification for castings for pressure containing parts (valve body, cover and gland).
- ^b Material specification for castings for general purpose.
- ^c Material specification for rolled, forged and extruded materials for pressure containing parts (valve body, cover and gland).
- ^d Material specification for rolled, forged and extruded materials for general purpose.

Underlined = Approved materials for use in pressure containing parts.

Italic text = Materials available for a limited time, e.g. SS-steel 2343 -12.

Specified temperature limits are in accordance with material standard or PMA. Somas temperature limits adapted to application according to Somas datasheet (SI-).

Somas reserves the right to make improvements without prior notice.



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