

Material standards

Stafsjö standard material corresponding to other material standards

MATERIALS	Stafsjö	Sweden	Europe		Germany		
Type	Name	SS	EN Material	Name	EN standard	W. Nr.	DIN
Castings							
Cast iron	GG20	0120-00	EN-JL2030	EN-GJL-HB195	EN 1561	W0.6020	1691
Cast iron	GG25	0125-00	EN-JL2040	EN-GJL-HB215	EN 1561	W0.6025	1691
Ductile iron	GGG50	0727-02	EN-JS1050	EN-GJS-500-7	EN 1563	W0.7050	1693
Stainless steel (not pressure purposes)	2333	2333-12	1.4308	GX5CrNi19-10	EN 10283		17445
Stainless steel	1.4408	2343-12	1.4408	GX5CrNiMo19-11-2	EN 10283	W1.4408	17445
Stainless steel	CG8M	2366-12	1.4581		EN 10283		
Stainless steel	CG3M	2367-12	1.4438	X2CrNiMo18-15-4	EN 10283		
Stainless steel	Hastelloy C	Hastelloy C276				W2.4819	
Stainless steel - SMO	254 SMO	2378-12	1.4547				
Stainless steel - Duplex	Duplex	2377-12	1.4470		EN 10283		
Sheet metal - pressure purposes							
Steel	1.0425	1431-01	1.0425	P265GH	EN 10028-2		17155
Stainless steel	SS2333 / 304	2333-28	1.4301	X5CrNi18-10	EN 10028-7	W1.4301	17440
Stainless steel	SS2343 / 316	2343-28	1.4436	X3CrNiMo17-13-3	EN 10028-7	W1.4436	17440
Stainless steel	SS2347 / 316	2347-28	1.4401	X5CrNiMo17-12-2	EN 10028-7	W1.4401	17440
Stainless steel	SS2348 / 316L	2348-28	1.4404	X2CrNiMo17-12-2	EN 10028-7	W1.4404	17440
Stainless steel	317L	2367-28	1.4438	X2CrNiMo18-15-4	EN 10028-7	W1.4438	17440
Stainless steel	SS2377 / FAL	2377-02	1.4462	X2CrNiMoN22-5-3	EN 10028-7	W1.4462	
Stainless steel-Ti.stab.	316Ti		1.4571				
Titanium	Titan / TiGr2						
254 SMO	254 SMO	2378-02	1.4547	X1CrNiMoCuN20-18-7	EN 10028-7		
Sheet metal - other							
Steel	1.0045	2172-00	1.0045	S355JR	EN 10025		
Stainless steel	SS2333-02	2333-02	1.4301	X5CrNi18-10	EN 10088-2	W1.4301	17440
Stainless steel	SS2343-02	2343-02	1.4436	X3CrNiMo17-13-3	EN 10088-2	W1.4436	17440
254 SMO	254 SMO	2378-02	1.4547	X1CrNiMoCuN20-18-7	EN 10088-2		
Bar, pipe							
Steel	SS2172-03	2172-03	1.0576	S355J2H	EN 10210-1		
Steel	SS1312/Q235	1312-03	1.0038	S235JRH	EN 10210-1		
Stainless steel	SS2303-03	2303-02	1.4021	X20Cr13	EN 10088-3	W1.4021	
Stainless steel	SS2320-02/AISI430	2320-02	1.4016	X6Cr17	EN 10088-3	W1.4016	17440
Stainless steel	SS2333-02/AISI304	2333-02	1.4301	X5CrNi18-10	EN 10088-3	W1.4301	17440
Stainless steel	SS2343-02	2343-02	1.4436	X3CrNiMo17-13-3	EN 10088-3	W1.4436	17440
Stainless steel	SS2346-02/AISI303	2346-02	1.4305	X8CrNiS18-9	EN 10088-3	W1.4305	17440
Stainless steel	SS2383-02	2383-02	1.4104	X14CrMoS17	EN 10088-3	W1.4104	17440
Screw, nut							
Stainless steel	A2	2333	1.4301	X5CrNi18-10		W1.4301	
Stainless steel	A4	2347	1.4401				
Steel	SS2172	2172					
Aluminium							
Casting	AlSi7MgFe	4244	EN AC-42000	AlSi7MgFe	EN 1706		
Casting	ENAC-AlSi12(b)		EN AC-41000	AlSi12Mn	EN 1706		
Casting	ENAC-AlSi9Cu3(Fe)	4250	EN AC-46000	AlSi9Cu3(Fe)	EN 1706		1725
Extruded	EN AW-6063-T6	EN AW-6063-T6	EN AW-6063-T6	AlMg0.7Si	EN 1706		
Copper alloy							
Brass	SS5716-1	5716-1					
Cast brass	SS5453	5453		CuZn39Pb3	EN 1982		
Bar brass	SS5170-00/CuZn39Pb3	5170-00		CuZn39Pb3	EN 12164+A1		17660
Oil bronze	2991 oilbronze	2991			ISO 2795		

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MATERIALS	Stafsjö	USA			Japan		Great Britain	
Type	Name	ASTM	AISI	UNS	JIS		BS	
Castings								
Cast iron	GG20	A48 No 30B			G5501	FC20 / FC200	1452	Grade 220
Cast iron	GG25	A48 No 35B			G5501	FC25 / FC250	1452	Grade 260
Ductile iron	GGG50	A536-84 80-55-06			G5502	FCD50/FCD500	2789	Grade 500/7
Stainless steel (not pressure purposes)	2333	A743-85 CF8			G5121:80	SCS13	3100:76	304C15
Stainless steel	1.4408	A351 CF8M	316		G5121:80	SCS14	3100:76	316C16
Stainless steel	CG8M	A351 CG8M	317					
Stainless steel	CG3M	A351 CG3M	317L					
Stainless steel	Hastelloy C	A494 CW12MW		N10276				
Stainless steel - SMO	254 SMO	A351 CK3MCuN	S31254					
Stainless steel - Duplex	Duplex							
Sheet metal - pressure purposes								
Steel	1.0425	A516 Grade 60					1501-164 part1	400BLT0
Stainless steel	SS2333 / 304	A240 Type 304	304	S30400		SUS304	1501 part 3	304S15
Stainless steel	SS2343 / 316	A240 Type 316	316	S31599		SUS316	1501 part 3	Gr316S33
Stainless steel	SS2347 / 316	A240 Type 316	316	S31600		SUS316	1501 part 3	316S31
Stainless steel	SS2348 / 316L	A240 Type316L	316L			SUS316L	1501 part 3	Gr316S11
Stainless steel	317L	A240 Type317L	317L			SUS317L		
Stainless steel	SS2377 / FAL		S32205	S31803		SUS329J3L		318S13
Stainless steel-Ti.stab.	316Ti		316Ti					
Titanium	Titan / TiGr2	B265 Grade 2						
254 SMO	254 SMO		S31254					
Sheet metal - other								
Steel	1.0045	A572 Grade 50			G3106	SM490A	4360	50B
Stainless steel	SS2333-02	A240	304	S30400	G4303-4318	SUS304	1449 part 2	304S15
Stainless steel	SS2343-02	A240	316	S31600	G4303-4318	SUS316	1449 part 2	316S33
254 SMO	254 SMO		S31254					
Bar, pipe								
Steel	SS2172-03	A618 Grade 3						
Steel	SS1312/Q235	A36						40B
Stainless steel	SS2303-03		420	S42010		SUS420J1		420S37
Stainless steel	SS2320-02/AISI430	A276	430	S43000	G4303-4318	SUS430	970 part 1	430S17
Stainless steel	SS2333-02/AISI304	A276	304	S30400	G4303-4318	SUS304	970 part 1	304S15
Stainless steel	SS2343-02		316	S31600		SUS316	970 part 1	316S33
Stainless steel	SS2346-02/AISI303		303	S30300	G4303-4318	SUS303	970 part 1	303S31
Stainless steel	SS2383-02		430F	S43020	G4303-4318	SUS430F		
Screw, nut								
Stainless steel	A2		304	S30400		SUS304		304S15
Stainless steel	A4		316			SUS316		
Steel	SS2172							
Aluminium								
Casting	AlSi7MgFe	B26 356,0		A03560	H5202-86	AC4C	1490:70	LM25
Casting	ENAC-AlSi12(b)							
Casting	ENAC-AlSi9Cu3(Fe)	B413.0			H5202-86	ADC10		
Extruded	EN AW-6063-T6	AA6063						
Copper alloy								
Brass	SS5716-1							
Cast brass	SS5453							
Bar brass	SS5170-00/CuZn39Pb3	C36000					2870-2875	CZ121
Oil bronze	2991 oilbronze							

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