Filler metals for similar welding

Steel designations EN (no.)	EN (name)	ASTM	Outokumpu designations	Old designations SS	BS	DIN	Recommended filler metal, Avesta Welding designations SMAW	MIG	TIG	SAW	FCAW
1.4016	X6Cr17	430	4016	2320	430S17	1.4016	308L/MVR	308L-Si/MVR-Si	308L-Si/MVR-Si	308L/MVR	308L
1.4510	X3CrTi17	S43035	4510	–	–	1.4510	308L/MVR	308L-Si/MVR-Si	308L-Si/MVR-Si	308L/MVR	308L
1.4021	X20Cr13	420	4021	2303	420S29	1.4021	248 SV	248 SV	248 SV	248 SV	–
1.4028	X30Cr13	420	4028	2304	420S45	1.4028	248 SV	248 SV	248 SV	248 SV	–
1.4418	X4CrNiMo16-5-1	–	248 SV	2387	–	1.4418	248 SV	248 SV	248 SV	248 SV	–
1.4162	–	S32101	LDX 2101®	–	–	–	LDX 2101	LDX 2101	LDX 2101	LDX 2101	LDX 2101
1.4362	X2CrNiN23-4	S32304	2304	2327	–	1.4362	2304	2304	2304	2304	2304
1.4462	X2CrNiMoN22-5-3	S32205	2205	2377	318S13	1.4462	2205	2205	2205	2205	2205
1.4410	X2CrNiMoN25-7-4	S32750	SAF 2507®	2328	–	–	2507/P100	2507/P100	2507/P100	2507/P100	–
1.4310	X10CrNi18-8	301	4310	2331	301S21	1.4310	308L/MVR	308L-Si/MVR-Si	308L-Si/MVR-Si	308L/MVR	308L
1.4318	X2CrNiN18-7	301LN	4318	–	–	–	308L/MVR	308L-Si/MVR-Si	308L-Si/MVR-Si	308L/MVR	308L
1.4372	X12CrMnNiN17-7-5	201	4372	–	–	–	307[1]	307-Si[1]	307-Si[1]	–	307
1.4307	X2CrNi18-9	304L	4307	2352	304S11	–	308L/MVR	308L-Si/MVR-Si	308L-Si/MVR-Si	308L/MVR	308L
1.4301	X5CrNi18-10	304	4301	2333	304S31	1.4301	308L/MVR	308L-Si/MVR-Si	308L-Si/MVR-Si	308L/MVR	308L
1.4311	X2CrNiN18-10	304LN	4311	2371	304S61	1.4311	308L/MVR	308L-Si/MVR-Si	308L-Si/MVR-Si	308L/MVR	308L
1.4541	X6CrNiTi18-10	321	4541	2337	321S31	1.4541	347/MVNb	347-Si/MVNb-Si	347-Si/MVNb-Si	347/MVNb	347
1.4305	X8CrNiS18-9	303	4305	2346	303S31	1.4305	308L/MVR	308L-Si/MVR-Si	308L-Si/MVR-Si	308L/MVR	308L
1.4306	X2CrNi19-11	304L	4306	2352	304S11	1.4306	308L/MVR	308L-Si/MVR-Si	308L-Si/MVR-Si	308L/MVR	308L
1.4303	X4CrNi18-12	305	4303	–	305S19	1.4303	308L/MVR	308L-Si/MVR-Si	308L-Si/MVR-Si	308L/MVR	308L
1.4567	X3CrNiCu18-9-4	S30430	4567	–	–	1.4567	308L/MVR	308L-Si/MVR-Si	308L-Si/MVR-Si	308L/MVR	308L
1.4404	X2CrNiMo17-12-2	316L	4404	2348	316S11	1.4404	316L/SKR	316L-Si/SKR-Si	316L-Si/SKR-Si	316L/SKR	316L
1.4401	X5CrNiMo17-12-2	316	4401	2347	316S31	1.4401	316L/SKR	316L-Si/SKR-Si	316L-Si/SKR-Si	316L/SKR	316L
1.4406	X2CrNiMoN17-12-2	316LN	4406	–	316S61	1.4406	316L/SKR	316L-Si/SKR-Si	316L-Si/SKR-Si	316L/SKR	316L
1.4571	X6CrNiMoTi17-12-2	316Ti	4571	2350	320S31	1.4571	318/SKNb	318-Si/SKNb-Si	318-Si/SKNb-Si	318/SKNb	316L
1.4432	X2CrNiMo17-12-3	316L	4432	2353	316S13	–	316L/SKR	316L-Si/SKR-Si	316L-Si/SKR-Si	316L/SKR	316L
1.4436	X3CrNiMo17-13-3	316	4436	2343	316S33	1.4436	316L/SKR	316L-Si/SKR-Si	316L-Si/SKR-Si	316L/SKR	316L
1.4435	X2CrNiMo18-14-3	316L	4435	2353	316S13	1.4435	316L/SKR	316L-Si/SKR-Si	316L-Si/SKR-Si	316L/SKR	316L
1.4429	X2CrNiMoN17-13-3	S31653	4429	2375	316S63	1.4429	316L/SKR	316L-Si/SKR-Si	316L-Si/SKR-Si	316L/SKR	316L
1.4438	X2CrNiMo18-15-4	317L	4438	2367	317S12	1.4438	317L/SNR	317L/SNR	317L/SNR	317L/SNR	317L
1.4439	X2CrNiMoN17-13-5	317LMN	4439	–	–	1.4439	SLR-NF	317L/SNR	317L/SNR	317L/SNR	317L
1.4539	X1NiCrMoCu25-20-5	904L	904L	2562	904S13	1.4539	904L	904L	904L	904L	–
1.4547	X1CrNiMoCuN20-18-7	S31254	254 SMO®	2378	–	–	P12-R[2]	P12	P12	P12	–
1.4565	–	S34565	4565	–	–	–	P16	P16	P16	P16	–
1.4652	X1CrNiMoCuMnN24-22-7	S32654	654 SMO®	–	–	–	P16	P16	P16	P16	–
1.4948	X6CrNi18-8	304H	4948	2333	304S51	1.4948	308/308H	308H	308H	308H	308H
1.4878	–	321H	4878	2337	321S51	1.4878	347/MVNb	347-Si/MVNb-Si	347-Si/MVNb-Si	347/MVNb	347
1.4818	–	S30415	153 MA™	2372	–	–	253 MA	253 MA	253 MA	253 MA	–
1.4833	–	309S	4833	–	309S16	1.4833	309	309-Si	309-Si	–	–
1.4828	–	–	4828	–	–	1.4828	309	309-Si	309-Si	–	–
1.4835	–	S30815	253 MA®	2368	–	–	253 MA	253 MA	253 MA	253 MA	–
1.4845	–	310S	4845	2361	310S16	1.4845	310	310	310	310	–
1.4854	–	S35315	353 MA®	–	–	–	353 MA	353 MA	353 MA	353 MA	–

1. 309L or 309L-Si may also be used.
2. P625 (ENiCrMo-3) may also be used.