

最全世界多国材料钢号对照表

MATERIAL CROSS REFERENCE LIST

CARBON STEEL

USA	Japan	Germany		U. K.		France	Italy	Spain	Sweden	China
AISI/SAE	JIS	W-nr.	DIN	BS	EN	AFNOR	UNI	UNE	SS	GB
A570.36	STKM 12A STKM 12C	1.0038	RSt.37-2	4360 40 C	—	E 24-2 Ne	—	—	1311	15
1015	—	1.0401	C15	080M15	—	CC12	C15, C16	F.111	1350	15
1020	—	1.0402	C22	050A20	2C	CC20	C20, C21	F.112	1450	20
1213	SUM22	1.0715	9SMn28	230M07	1A	S250	CF9SMn28	F.2111 11SMn28	1912	Y15
12L13	SUM22L	1.0718	9SMnPb28	—	—	S250Pb	CF9SMnPb28	11SMnPb28	1914	—
—	—	1.0722	10SPb20	—	—	10PbF2	CF10Pb20	10SPb20	—	—
1215	—	1.0736	9SMn36	240M07	1B	S300	CF9SMn36	12SMn35	—	Y13
12L14	—	1.0737	9SMnPb36	—	—	S300Pb	CF9SMnPb36	12SMnP35	1926	—
1015	S15C	1.1141	Ck15	080M15	32C	XC12	C16	C15K	1370	15
1025	S25C	1.1158	Ck25	—	—	—	—	—	—	25
A572-60	—	1.8900	StE380	4360 55 E	—	—	FeE390KG	—	2145	—
1035	—	1.0501	C35	060A35	—	CC35	C35	F.113	1550	35
1045	—	1.0503	C45	080M46	—	CC45	C45	F.114	1650	45
1140	—	1.0726	35S20	212M36	8M	35MF4	—	F210G	1957	—
1039	—	1.1157	40Mn4	150M36	15	35M5	—	—	—	40Mn
1335	SMn438(H)	1.1167	36Mn5	—	—	40M5	—	36Mn5	2120	35Mn2
1330	SCMn1	1.1170	28Mn6	150M28	14A	20M5	C28Mn	—	—	30Mn
1035	S35C	1.1183	Cf35	060A35	—	XC38TS	C36	—	1572	35Mn
1045	S45C	1.1191	Ck45	080M46	—	XC42	C45	C45K	1672	Ck45
1050	S50C	1.1213	Cf53	060A52	—	XC48TS	C53	—	1674	50
1055	—	1.0535	C55	070M55	9	—	C55	—	1655	55
1060	—	1.0601	C60	080A62	43D	CC55	C60	—	—	60
1055	S55C	1.1203	Ck55	070M55	—	XC55	C50	C55K	—	55
1060	S58C	1.1221	Ck60	080A62	43D	XC60	C60	—	1678	60Mn
1095	—	1.1274	Ck101	060A96	—	XC100	—	F.5117	1870	—
W1	SK3	1.1545	C105W1	BW1A	—	Y105	C36KU	F.5118	1880	—
W210	SUP4	1.1545	C105W1	BW2	—	Y120	C120KU	F.515	2900	—

ALLOY STEEL

USA	Japan	Germany		U. K.		France	Italy	Spain	Sweden	China
AISI/SAE	JIS	W-nr.	DIN	BS	EN	AFNOR	UNI	UNE	SS	GB
A573-81	SM400A, SM400B SM400C	1.0144	St.44.2	4360 43 C	—	E28-3	—	—	1412	—
—	SM490A, SM490B SM490C	1.0570	St52-3	4360 50 B	—	E36-3	Fe52BFN Fe52CFN	—	2132	—
5120	—	1.0841	St52-3	150M19	—	20MC5	Fe52	F.431	2172	—
9255	—	1.0904	55Si7	250A53	45	55S7	55Si8	56Si7	2085	55Si2Mn
9262	—	1.0961	60SiCr7	—	—	60SC7	60SiCr8	60SiCr8	—	—
ASTM 52100	SUJ2	1.3505	100Cr6	534A99	31	100C6	100Cr6	F.131	2258	Gr15, 45G
ASTM A204Gr.A	—	1.5415	15Mo3	1501-240	—	15D3	16Mo3KW	16Mo3	2912	—
4520	—	1.5423	16Mo5	1503-245-420	—	—	16Mo5	16Mo5	—	—
ASTM A350LF5	—	1.5622	14Ni6	—	—	16N6	14Ni6	15Ni6	—	—
ASTM A353	—	1.5662	X8Ni9	1501-509-510	—	—	X10Ni9	XBNI09	—	—
3135	SNC236	1.5710	36NiCr6	640A35	111A	35NC6	—	—	—	—
3415	SNC415(H)	1.5732	14NiCr10	—	—	14NC11	16NiCr11	15NiCr11	—	—
3415, 3310	SNC815(H)	1.5752	14NiCr14	655M13	36A	12NC15	—	—	—	—
8620	SNCM220(H)	1.6523	21NiCrMo2	805M20	362	20NCD2	20NiCrMo2	20NiCrMo2	2506	—
8740	SNCM240	1.6546	40NiCrMo22	311-Type 7	—	—	40NiCrMo2(KB)	40NiCrMo2	—	—
—	—	1.6587	17CrNiMo6	820A16	—	18NCD6	—	14NiCrMo13	—	—
5015	SCr415(H)	1.7015	15Cr3	523M15	—	12C3	—	—	—	15Cr

USA	Japan	Germany		U. K.		France	Italy	Spain	Sweden	China
AISI/SAE	JIS	W-nr.	DIN	BS	EN	AFNOR	UNI	UNE	SS	GB
5140	SCr440	1.7045	42Cr4	—	—	—	—	42Cr4	2245	40Cr
5155	SUP9(A)	1.7176	55Cr3	527A60	48	55C3	—	—	—	20CrMn
—	SCM415(H)	1.7262	15CrMo5	—	—	12CD4	—	12CrMo4	2216	—
ASTM A182 F11, F12	—	1.7335	13CrMo4 4	1501-620Gr27	—	15CD3.5 15CD4.5	14CrMo45	14CrMo45	—	—
ASTM A182 F.22	—	1.7380	10CrMo910	1501-622 Gr31, 45	—	12CD9 12CD10	12CrMo9 12CrMo10	TU.H	2218	—
—	—	1.7715	14MoV63	1503-660-440	—	—	—	13MoCrV6	—	—
—	—	1.8523	39CrMoV13 9	897M39	40C	—	36CrMoV12	—	—	—
9840	—	1.6511	36CrNiMo4	816M40	110	40NCD3	38NiCrMo4(KB)	35NiCrMo4	—	—
4340	—	1.6582	34CrNiMo6	817M40	24	35NCD6	35NiCrMo6(KB)	—	2541	40CrNiMoA
5132	SCr430(H)	1.7033	34Cr4	530A32	18B	32C4	34Cr4(KB)	35Cr4	—	35Cr
5140	SCr440(H)	1.7035	41Cr4	530M40	18	42C4	41Cr4	42Cr4	—	40Cr
5115	—	1.7131	16MnCr5	(527M20)	—	16MC5	16MnCr5	16MnCr5	2511	18CrMn
4130	SCM420 SCM430	1.7218	25CrMo4	1717CDS110 708M20	—	25CD4	25CrMo4(KB)	55Cr3	2225	30CrMn
4137 4135	SCM432 SCCRM3	1.7220	34CrMo4	708A37	19B	35CD4	35CrMo4	34CrMo4	2234	35CrMo
4140 4142	SCM 440	1.7223	41CrMo4	708M40	19A	42CD4TS	41CrMo4	42CrMo4	2244	40CrMoA
4140	SCM440(H)	1.7225	42CrMo4	708M40	19A	42CD4	42CrMo4	42CrMo4	2244	42CrMo 42CrMnMo
—	—	1.7361	32CrMo12	722M24	40B	30CD12	32CrMo12	F.124.A	2240	—
6150	SUP10	1.8159	50CrV4	735A50	47	50CV4	50CrV4	51CrV4	2230	50CrVA
—	—	1.8509	41CrAlMo7	905M39	41B	40CAD6 40CAD2	41CrAlMo7	41CrAlMo7	2940	—
L3	—	1.2067	100Cr6	BL3	—	Y100C6	—	100Cr6	—	CrV, 9SiCr
—	SKS31 SKS2, SKS3	1.2419	105WCr6	—	—	105WC13	100WCr6 107WCr5KU	105WCr5	2140	CrWMo
L6	SKT4	1.2713	55NiCrMoV6	BH224/5	—	55NCDV7	—	F.520.S	—	5CrNiMo
ASTM A353 2515	—	1.5662	X8Ni9	1501-509	—	—	X10Ni9	XBNI09	—	—
—	—	1.5680	12Ni19	—	—	Z18N5	—	—	—	—
—	—	1.6657	14NiCrMo134	832M13	36C	—	15NiCrMo13	14NiCrMo131	—	—
D3 ASTM D3	SKD1	1.2080	X210Cr12	BD3	—	Z200C12	X210Cr13KU X250Cr12KU	X210Cr12	—	Cr12
D2	SKD11	1.2601	X153CrMoV12	BD2	—	—	X160CrMoV12	—	—	Cr12MoV
A2	SKD12	1.2363	X100CrMoV5	BA2	—	Z100CDV5	X100CrMoV5	F.5227	2260	Cr5Mo1V
H13 ASTM H13	SKD61	1.2344	X40CrMoV51 X40CrMoV51	BH13	—	Z40CDV5	X35CrMoV05KU X40CrMoV51KU	X40CrMoV5	2242	40CrMoV5
—	SKD2	1.2436	X210CrW12	—	—	—	X215CrW121KU	X210CrW12	2312	—
S1	—	1.2542	45WCrV7	BS1	—	—	45WCrV8KU	45WCrSi8	2710	—
H21	SKD5	1.2581	X30WCrV93	BH21	—	Z30WCV9	X28W09KU	X30WCrV9	—	30WCrV9
—	—	1.2601	X165CrMoV12	—	—	—	X165CrMoV12KU	X160CrMoV12	2310	—
W210	SKS43	1.2833	100V1	BW2	—	Y1105V	—	—	—	V
T4	SKH3	1.3255	S 18-1-2-5	BT4	—	Z80WKCV	X78WCo1805KU	HS18-1-1-5	—	W18Cr4VCo5
T1	SKH2	1.3355	S 18-0-1	BT1	—	Z80WCV	X75W18KU	HS18-0-1	—	—
—	SCMnH/1	1.3401	G-X120Mn12	Z120M12	—	Z120M12	XG120Mn12	X120MN12	—	—
HW3	SUH1	1.4718	X45CrSi93	401S45	52	Z45CS9	X45CrSi8	F.322	—	X45CrSi93
D3	SUH3	1.3343	S6-5-2	4959BA2	—	Z40CSD10	15NiCrMo13	—	2715	—
M2	SKH9, SKH51	1.3343	S6/5/2	BM2	—	Z85WDCV	HS6-5-2-2	F.5603	2722	—
M7	—	1.3348	S 2-9-2	—	—	—	HS2-9-2	HS2-9-2	2782	—
M35	SKH55	1.3243	S6/5/2/5	BM35	—	6-5-2-5	HS6-5-2-5	F.5613	2723	—

MATERIAL CROSS REFERENCE LIST

STAINLESS STEEL (FERRITIC, MARTENSITIC)

USA	Japan	Germany		U. K.		France	Italy	Spain	Sweden	China
AISI/SAE	JIS	W-nr.	DIN	BS	EN	AFNOR	UNI	UNE	SS	GB
403	SUS403	1.4000	X7Cr13	403S17	—	Z6C13	X6Cr13	F.3110	2301	0Cr13 1Cr12
—	—	1.4001	X7Cr14	—	—	—	—	F.8401	—	—
416	SUS416	1.4005	X12CrS13	416S21	—	Z11CF13	X12CrS13	F.3411	2380	—
410	SUS410	1.4006	X10Cr13	410S21	56A	Z10C14	X12Cr13	F.3401	2302	1Cr13
430	SUS430	1.4016	X8Cr17	430S15	60	Z8C17	X8Cr17	F.3113	2320	1Cr17
—	SCS2	1.4027	G-X20Cr14	420C29	56B	Z20C13M	—	—	—	—
—	SUS420J2	1.4034	X46Cr13	420S45	56D	Z40CM Z38C13M	X40Cr14	F.3405	2304	4Cr13
405	—	1.4003	—	405S17	—	Z8CA12	X6CrAl13	—	—	—
420	—	1.4021	—	420S37	—	Z8CA12	X20Cr13	—	2303	—
431	SUS431	1.4057	X22CrNi17	431S29	57	Z15CNi6.02	X16CrNi16	F.3427	2321	1Cr17Ni2
430F	SUS430F	1.4104	X12CrMoS17	—	—	Z10CF17	X10CrS17	F.3117	2383	Y1Cr17
434	SUS434	1.4113	X6CrMo17	434S17	—	Z8CD17.01	X8CrMo17	—	2325	1Cr17Mo
CA6-NM	SCS5	1.4313	X5CrNi134	425C11	—	Z4CND13.4M	(G)X6CrNi304	—	2385	—
405	SUS405	1.4724	X10CrAl113	403S17	—	Z10C13	X10CrAl112	F.311	—	0Cr13Al
430	SUS430	1.4742	X10CrAl118	430S15	60	Z10CAS18	X8Cr17	F.3113	—	Cr17
HNV6	SUH4	1.4747	X80CrNiSi20	443S65	59	Z80CSN20.02	X80CrSiNi20	F.320B	—	—
446	SUH446	1.4762	X10CrAl124	—	—	Z10CAS24	X16Cr26	—	2322	2Cr25N
EV8	SUH35	1.4871	X53CrMnNiN219	349S54	—	Z52CMN21.09	X53CrMnNiN219	—	—	5Cr2Mn9Ni4N
S44400	—	1.4521	X1CrMoTi182	—	—	—	—	—	2326	—
—	—	1.4922	X20CrMoV12-1	—	—	—	X20CrMoNi1201	—	2317	—
630	—	1.4542	—	—	—	Z7CNU17-04	—	—	—	—

STAINLESS STEEL (AUSTENITIC)

USA	Japan	Germany		U. K.		France	Italy	Spain	Sweden	China
AISI/SAE	JIS	W-nr.	DIN	BS	EN	AFNOR	UNI	UNE	SS	GB
304L	SUS304L	1.4306	X2CrNi1911	304S11	—	Z2CN18.10	X2CrNi18.11	—	2352	0Cr19Ni10
304	SUS304	1.4350	X5CrNi189	304S11	58E	Z6CN18.09	X5CrNi1810	F.3551 F.3541 F.3504	2332	0Cr18Ni9
303	SUS303	1.4305	X12CrNiS188	303S21	58M	Z10CNF18.09	X10CrNiS18.09	F.3508	2346	1Cr18Ni9MoZr
—	SUS304L	—	—	304C12	—	Z3CN19.10	—	—	2333	—
304L	SCS19	1.4306	X2CrNi189	304S12	—	Z2CrNi1810	X2CrNi18.11	F.3503	2352	—
301	SUS301	1.4310	X12CrNi177	—	—	Z12CN17.07	X12CrNi1707	F.3517	2331	Cr17Ni7
304LN	SUS304LN	1.4311	X2CrNiN1810	304S62	—	Z2CN18.10	—	—	2371	—
316	SUS316	1.4401	X5CrNiMo1810	316S16	58J	Z6CND17.11	X5CrNiMo1712	F.3543	2347	0Cr17Ni11Mo2
—	SCS13	1.4308	G-X6CrNi189	304C15	—	Z6CN18.10M	—	—	—	—
—	SCS14	1.4408	G-X6CrNiMo1810	316C16	—	—	—	F.8414	—	—
—	SCS22	1.4581	G-X5CrNiMoNb1810	318C17	—	Z4CNDNb1812M	XG8CrNiMo1811	—	—	—
316LN	SUS316LN	1.4429	X2CrNiMoN1813	—	—	Z2CND17.13	—	—	2375	0Cr17Ni13Mo
316L	—	1.4404	—	316S13	—	Z2CND17.12	X2CrNiMo1712	—	2348	—
316L	SCS16 SUS316L	1.4435	X2CrNiMo1812	316S13	—	Z2CND17.12	X2CrNiMo1712	—	2353	0Cr27Ni12Mo3
316	—	1.4436	—	316S13	—	Z6CND18-12-03	X8CrNiMo1713	—	2343, 2347	—
317L	SUS317L	1.4438	X2CrNiMo1816	317S12	—	Z2CND19.15	X2CrNiMo1816	—	2367	00Cr19Ni13Mo
UNS V 0890A	—	1.4539	X1NiCrMo	—	—	Z6CNT18.10	—	—	2562	—
321	SUS321	1.4541	X10CrNiTi189	321S12	58B	Z6CNT18.10	X6CrNiTi1811	F.3553 F.3523	2337	1Cr18Ni9Ti
347	SUS347	1.4550	X10CrNiNb189	347S17	58F	Z6CNNb18.10	X6CrNiNb1811	F.3552 F.3524	2338	1Cr18Ni11Nb
316Ti	—	1.4571	X10CrNiMoTi1810	320S17	58J	Z6CNDT17.12	X6CrNiMoTi1712	F.3535	2350	Cr18Ni12Mo2T
318	—	1.4583	X10CrNiMoNb1812	—	—	Z6CNDNb1713B	X6CrNiMoNb1713	—	—	Cr17Ni12Mo3Mb

USA	Japan	Germany		U. K.		France	Italy	Spain	Sweden	China
AISI/SAE	JIS	W-nr.	DIN	BS	EN	AFNOR	UNI	UNE	SS	GB
309	SUH309	1.4828	X15CrNiSi2012	309S24	–	Z15CNS20.12	X6CrNi2520	–	–	1Cr23Ni13
310S	SUH310	1.4845	X12CrNi2521	310S24	–	Z12CN2520	X6CrNi2520	F.331	2361	OCr25Ni20
308	SCS17	1.4406	X10CrNi18.08	–	58C	Z1NCDU25.20	–	F.8414	2370	–
–	–	1.4418	X4CrNiMo165	–	–	Z6CND16-04-01	–	–	–	–
17-7PH	–	1.4568 1.4504	–	316S111	–	Z8CNA17-07	X2CrNiMo1712	–	–	–
NO8028 S31254	–	1.4563	–	–	–	Z1NCDU31-27-03 Z1CNDU20-18-06AZ	–	–	2584 2378	–
321	SUS321	1.4878	X12CrNiTi189	321S32	58B, 58C	Z6CNT18.12B	X6CrNiTi18 11	F.3523	–	1Cr18Ni9Ti

HEAT RESISTANT STEELS

USA	Japan	Germany		U. K.		France	Italy	Spain	Sweden	China
AISI/SAE	JIS	W-nr.	DIN	BS	EN	AFNOR	UNI	UNE	SS	GB
330	SUH330	1.4864	X12NiCrSi3616	–	–	Z12NCS35.16	–	–	–	–
HT, HT 50	SCH15	1.4865	G-X40NiCrSi3818	330C11	–	–	XG50NiCr3919	–	–	–

GRAY CAST IRON

USA	Japan	Germany		U. K.		France	Italy	Spain	Sweden	China
AISI/SAE	JIS	W-nr.	DIN	BS	EN	AFNOR	UNI	UNE	SS	GB
–	–	–	–	–	–	–	–	–	0100	–
No 20 B	FC100	–	GG 10	–	–	Ft 10 D	–	–	0110	–
No 25 B	FC150	0.6015	GG 15	Grade 150	–	Ft 15 D	G15	FG15	0115	HT150
No 30 B	FC200	0.6020	GG 20	Grade 220	–	Ft 20 D	G20	–	0120	HT200
No 35 B	FC250	0.6025	GG 25	Grade 260	–	Ft 25 D	G25	FG25	0125	HT250
No 40 B	–	–	–	–	–	–	–	–	–	–
No 45 B	FC300	0.6030	GG 30	Grade 300	–	Ft 30 D	G30	FG30	0130	HT300
No 50 B	FC350	0.6035	GG 35	Grade 350	–	Ft 35 D	G35	FG35	0135	HT350
No 55 B	–	0.6040	GG 40	Grade 400	–	Ft 40 D	–	–	0140	HT400
A436 Type 2	–	0.6660	GGL NiCr202	L-NiCuCr202	–	L-NC 202	–	–	0523	–

DUCTILE CAST IRON

USA	Japan	Germany		U. K.		France	Italy	Spain	Sweden	China
AISI/SAE	JIS	W-nr.	DIN	BS	EN	AFNOR	UNI	UNE	SS	GB
60-40-18	FCD400	0.7040	GGG 40	SNG 420/12	–	FCS 400-12	GS 370-17	FGE 38-17	07 17-02	QT400-18
–	–	–	GGG 40.3	SNG 370/17	–	FGS 370-17	–	–	07 17-12	–
–	–	0.7033	GGG 35.3	–	–	–	–	–	07 17-15	–
80-55-06	FCD500	0.7050	GGG 50	SNG 500/7	–	FGS 500-7	GS 500	FGE 50-7	07 27-02	QT500-7
A43D2	–	0.7660	GGG NiCr202	Grade S6	–	S-NC202	–	–	07 76	–
–	–	–	GGG NiMn137	L-NiMn 137	–	L-MN 137	–	–	07 72	–
–	FCD600	–	GGG 60	SNG 600/3	–	FGS 600-3	–	–	07 32-03	QT600-3
100-70-03	FCD700	0.7070	GGG 70	SNG 700/2	–	FGS 700-2	GS 700-2	FGS 70-2	07 37-01	QT700-18

MALLEABLE CAST IRON

USA	Japan	Germany		U. K.		France	Italy	Spain	Sweden	China
AISI/SAE	JIS	W-nr.	DIN	BS	EN	AFNOR	UNI	UNE	SS	GB
–	FCMB310	–	–	8 290/6	–	MN 32-8	–	–	08 14	–
32510	FCMW330	–	GTS-35	B 340/12	–	MN 35-10	–	–	08 15	–
40010	FCMW370	0.8145	GTS-45	P 440/7	–	Mn 450	GMN45	–	08 52	–
50005	FCMP490	0.8155	GTS-55	P 510/4	–	MP 50-5	GMN55	–	08 54	–
70003	FCMP540	–	GTS-65	P 570/3	–	MP 60-3	–	–	08 58	–
A220-70003	FCMP590	0.8165	GTS-65-02	P 570/3	–	Mn 650-3	GMN 65	–	08 56	–
A 220-80002	FCMP690	–	GTS-70-02	P 690/2	–	Mn 700-2	GMN 70	–	08 62	–

ASTM Reference Chart					
Grade	Pipe	Tubing	Weld	Forging	Plate
	Specs.	Specs.	Fitting Specs.	Specs.	Specs.
CARBON STEEL					
High Temp Use	A-106 GR. B		A-234 WPB	A-105	
	A-53 GR. B				
Low Temp Use	A-333 GR. 6	A-334 GR. 6	A-420 WPL6	A350 LF2	
(Fine Grain)					
ALLOY STEEL					
Carbon	A-335 P1	A-161 T1	A-234 WP1	A-182 F1	A-204 GR. B
1/2% Moly		A-209 T1			
1-1/4% Chrome	A-335 P11	A-199 T11	A-234 WP11	A-182 F11	A-387 GR. 11
1/2% Moly	A-691	A-200 T11			
	(1-1/4% Cr.)	A-213 T11			
2-1/4% Chrome	A-335 P22	A-199 T22	A-234 WP22	A-182 F22	A-387 GR. 22
1% Moly	A-691	A-200 T22			
	(2-1/4% Cr.)	A-213 T22			
4-6% Chrome	A-335 P5	A-199 T5	A-234 WP5	A-182 F5	A-387 GR. 5
1/2% Moly	A-691	A-200 T5			
	(5% Cr.)	A-213 T5			
8-10% Chrome	A-335 P9	A-199 T9	A-234 WP9	A-182 F9	A-387 GR. 9
1% Moly	A-691	A-200 T9			
	(9% Cr.)	A-213 T9			
3-1/2% Nickel	A-333 GR. 3	A-334 GR. 3	A-420 WPL3	A-350 LF3	A-203 GR. D
STAINLESS STEEL					
18% Chrome	A-312 T304	A-213 T304	A-403 T304	A-182 T304	A-240 T304
8% Nickel	A-358 T304	A-249 T304			
		A-269 T304			
Note: Above also available in T304L and T304H					
18% Chrome	A-312 T316	A-213 T316	A-403 T316	A-182 T316	A-240 T316
8% Nickel	A-358 T316	A-249 T316			
2-3% Moly	A-269 T316				
Note: Above also available in T316L and T316H					
18% Chrome	A-312 T321	A-213 T321	A-403 T321	A-182 T321	A-240 T321
8% Nickel	A-249 T321				
Titanium	A-269 T321				
18% Chrome	A-312 T347	A-213 T347	A-403 T347	A-182 T347	A-240 T347
8% Nickel	A-249 T347				
(Columbium &	A-269 T347				
Tantalum)					

Grade	Pipe	Tubing	Weld	Forging	Plate
	Specs.	Specs.	Fitting Specs.	Specs.	Specs.
ALUMINUM ALLOYS					
6061T6	B-241	B-210	B-361	B-247	B-221
		B-234			
		B-483			
NICKEL ALLOYS					
Alloy 20	B-464	B-468	B-366	B-462	B-463
Alloy 20CB3	B-729				
	B-474				
Alloy 200	B-161	B-163	B-366 WPN	B-160	B-162
Alloy 201	B-161	B-163	B-366 WPNL	B-160	B-162
Alloy 400	B-165	B-163	B-366 WPNC	B-164	B-127
Alloy 600	B-167	B-163	B-366 WPNCI	B-166	B-168
Alloy 800	B-407	B-163	B-366 WPNIC	B-408	B-409
Alloy C276	B-619	B-622	B-366 WPHC276	B-574**	B-575**
	B-622	B-626			

Stritt & Priebe, Inc. assumes no liability for any damages or injuries incurred while using this data chart. The information is provided here for information purposes only.



Cross Reference of ASTM Material Specifications

Material	Forgings	Castings	Wrought Fittings
Carbon Steel Cold Temperature Service	A105 A350-LF2	A216-WCB	A234-WPB A420-WPL6
Carbon-1/2 Molybdenum Alloy Steel High Temperature Service	A182-F1	A217-WC1 A352-LC1	A234-WP1
3-1/2 Nickel Alloy Steel Low Temperature Service	A350-LF3	A352-LC3	A420-WPL3
1/2 Cr-1/2 Mo Alloy Steel 1/2 Cr-1/2 Mo-1 Ni Alloy 3/4 Cr-1 Mo-3/4 Ni Alloy Steel 1 Cr-1/2 Mo Alloy Steel	A182-F2 A182-F12 CL2	A217-WC4 A217-WC5	A234-WP12 CL2
1-1/4 Cr-1/2 Mo Alloy Steel 2-1/4 Cr-1 Mo Alloy Steel 5 Cr-1/2 Mo Alloy Steel 5 Cr-1/2 Mo Alloy Steel 9 Cr-1 Mo Alloy Steel 13 Cr Alloy Steel	A182-F11 CL2 A182-F22 CL3 A182-F5 A182-F5a A182-F9 A182-F6	A217-WC6 A217-WC9 A217-C5 A217-C12 A743-CA15	A234-WP11 CL2 A234-WP22 CL3 A234-WP5 A234-WP9
Type 304 Stainless Steel (18 Cr-8 Ni) Standard Low Carbon High Temperature Service	A182-F304 A182-F304L A182-F304H	A351-CF3 A351-CF8	A403-WP304 A403-WP304L A403-WP304H
Type 310 Stainless Steel (25 Cr-20 Ni) Type 316 Stainless Steel (16 Cr-12 Ni-2 Mo) Standard Low Carbon High Temperature	A182-F310H A182-F316 A182-F316L A182-F316H	A351-CK20 A351-CF3M A351-CF8M	A403-WP310 A403-WP316 A403-WP316L A403-WP316H
Type 317 Stainless Steel (18 Cr-13 Ni-3 Mo) Type 321 Stainless Steel (18 Cr-10 Ni-Ti) Standard High Temperature Service	A182-F321 A182-F321H		A403-WP317 A403-WP321 A403-WP321H
Type 347 Stainless Steel (18 Cr-10 Ni-Cb) Standard High Temperature Service	A182-F347 A182-F347H	A351-CF8C	A403-WP347 A403-WP347H
Type 348 Stainless Steel (18 Cr-10 Ni-Cb) Standard High Temperature Service	A182-F348 A182-F348H		A403-WP348 A403-WP438H

Mn-Zn Ferrite Cross-Reference List																	
	Producer	Material															
Mainland China	东磁 (DMEGC)	DMR30	DMR40	DMR44	DMR47	DMR24	DMR28	DMR90	DMR95	DMR96	DMR55	DMR50/ DMR50H	DMR51	DMR52	DMR73	DMR70	DMR71
	TDG	TP3	TP4	TP4A	TP4D	TP4E/TPB15		TP4E/TPB15	TP4W/TPW33		TP4S	TP5			TD5A	TH2	TD5B
	FENGHUA	PG252	PG232	PG242				PG182A	PG312		PG192				HB502		
Japan	TDK	PC30/PC32	PC40	PC44	PC47			PC90	PC95			PC50			DN45		
	NICERA	NC-1M	NC-2H	2H-M4/ 2H-M5		BM30/BM40		BM27/BM29	3H		2M	5M			4B	2B	3B
	FDK (FUJI)	6H10	6H10/6H20	6H40/6H41					6H60			7H10					
	HITACHI		ML24D	ML25D		MB28D		MB19D	ML30D/ ML32D			ML14D			MQ40D	MQ25D	
	NEC-TOKIN		BH2	BH1		BH3	BH7				BH5	B40					
	JFE	MB1	MB3	MB4		MB1H			MBT1			MC2					
	TOMITA	2E6	2G8	2E8		2N6					2H8				2H5		2N3
Europe	FERROXCUBE		3C30&3C34&3C90	3C94		3C92		3C96	3C95	3C97	3F3	3F35			3E28	3B7	3B46,3S5
	EPCOS	N41	N67,N72	N87,N97		N92			N95			N49			T57	N48	N45
	KOLEKTORMAGMA (ISKRA)	25G	45G	65G							55G	75G,76G				16G,26G	27G
	VOGT	Fi324	Fi328	Fi325								Fi327					
	KASCHKE	K2006	K2008/ K2500														
	AVX(THONSON)	B1	F1			B3/B5/B7					F2	F4				A9	A8
Korea	ISU	PM5	PM7	PM11		BM14			PM12		FM4	FM5					BM30
	SAMWHA	PL-5	PL-7	PL-13L	PL-15	PL-HB			PL-13		PL-F1				SM43T	SM-23T	
	YOUNGHWHA		YP-2	YP-3													
USA	FAIR-RITE		78									79					
	MAGNETICS		P						T		R						
	STEWARD														36		
	MMG-NEOSID	F5A/F5C	FB2/FB3/F45			F44					F45/F47				F65	F9Q	
Taiwan	ACME	P2	P4	P41		P42		P44	P46		P5	P51			N2	N4	N42
	ENCORE(大冶)		NP1	NP2											N5X		
	Huoh Yow(华佑)	KL24	KL40	KL44/KL45		KL20B			KL33W		KL15F				KM40Q	KM25	KM30T
	TAK(铁研)		TP40														
India	COSM0	CF196	CF138	CF139		CF122											



Manufacturers' Cross Reference Guide

These tables are intended only as guides and may represent another lamp/ballast company's most similar product rather than an identical match. Individual manufacturer's performance values should be consulted. For a complete cross reference guide please consult our electronic catalog at www.sylvania.com.

INCANDESCENT LAMPS

GE	SYLVANIA	PHILIPS
4C7 CARD 2	4C7/BL/2PK	BC-4C7
4C7/W CD2	4C7/W/BL/2PK	BC-4C7/W
10C7 TRAY	10C7/CL	10C7
10S11N	10S11N/CL	10S11N
10S11N/F	10S11N/IF	10S11N/IF
15CAC/F-CD/2-12	15B10/BL/2PK	BC-15BA9C/LL
---	15B10C/DL/BL	15BA9C/4M
15S14/GR/CL	15S14/CL	15S11/14
15T10	15T10/CL	BC-15T10 12/1PK
20T6%DC/F	20T6%/DC/IF	20T6%DC/IF
20T6%/F	20T6%/I	20T6%/IF
25CAC	25B10C/DL/BL	---
---	25B10/DL/BL	BC-25B9%/LL
25CAC-CD/2-120	25B10C/BL/2PK	BC25BA9C/LL
25GC 12PK	25G16%C	25G16%C/4M
25G18%/W	25G18%/W	---
25G25	25G25	25G25
25G25/L/24	25G25/DL/RP	---
25G25/W/L/24	25G25/DLSW/RP	---
25G40	25G40	25G40/4M
25G40/W	25G40/W	25G40/4MW
25S11/5C	25S11C/P	25S11/2C
25T10	25T10	BC-25T10
30/100	30/100A21/W/RP	30/100A/W
30A15-130	30A15	30A15
30R20-120	30R20	30R20
40A15/CF CD2	40A15/CL/FAN	BC-40S14/FAN
40A15/CF/STG CD2	40A15/SL	40A/TF
40A 48PK	40A	40A
40A/34WM	40A/34/SS	40A-34A/EW
40A/34/WMP/99	40A/34/SS/XL	40A-34A/99/EW
40CAM CD/2	40B10/BL/2PK	BC-40BA91/2/LL
40CAC-CD/2-120	40B10C/BL/2PK	BC-40BA9C/LL
---	40B10/DL/BL/2PK	40BA91/2/4M
---	40B10C/DL/BL	40B10%/4M
40CAM/F CD/2	40B10/W/BL/2PK	BC-40BA1/2/FLL
40FM/L	40F/CL	BC-40F15/LL
40GC-12PK-120	40G16%C	40G16 1/2 C
40GC/W/CD/2	40G16%/C/W/BL	BC-40G161/2/WLL
40G25/L	40G25	40G25
40G25/L/24	40G25/DL/RP	---
40G25/W/L/24	40G25/DLSW/RP	40G25/W
40G25/W/L	40G25/W	40G25/W
40G25/W/L	40G30/W	40G25/W
40G40/CL	40G40	40G40/4M
40G40/W	40G40/W	40G40/4MW
40S11N/1CARD	40S11N/BL	BC40S11/N TP
40S11N/1/F	40S11N/CF	40S11N/IF
40T10/F	40T10/IF	BC-40T10/IF
50/150 12PK	50/150A21/W/RP	50/150A/W
50/150 12PK	50/150/PS25	50/150T/DL
50A/RS/CVG 24PK	50A/RS/SL	50A/RS/TF
60A	60A	60A
60A/52WM	60A/52/SS	60A-52A/EW
60A/52WMP/98	60A/52/SS/XL	---
60A21/B	60A/CB	60A19/B
60A21/G	60A/CG	60A19/G
60A/CL 24PK	60A/CL	60A/CL
60A/W/LL-24PK-120	60A/DLSW/2PK/RP	60A/WL

For more complete product information visit www.sylvania.com

Manufacturers' Cross Reference (continued)

INCANDESCENT LAMPS

GE	SYLVANIA	PHILIPS
60A/PL 6PK	60A/GRO	60A/AGRO
60A/CVG 24PK	60A/SL	60A/TF
60A/GD 24PK	60A/RS	---
60A/S	60A/RS/XL	---
60A/W 48PK	60A/W/4RP	60A/W/TP
60A/Y 24PK	60A/Y/RP	60A/Y 120-130V
69A21/60WM/TS	60A19/TS/8M/SS	K60A19/TS/EW
---	60A21/TS	K60A19/TS/EW
60CAM CD/2	60B10/BL/2PK	BC-60BA9/2/LL
60CAC CD/2 6PK	60B10C/BL/2PK	BC-60BA9C/LL
---	60B10/DL/BL/2PK	60BA91/24M
---	60B10C/DL/BL/2PK	60BA9C/4M
---	60B10C/F/BL/2PK	BC-60BA9 1/2/FLL
60CAC/F CD/2	60B10C/W/BL/2PK	---
60CAM/F CD/2	60B10/W/BL/2PK	BC-60BA9C/FLL
---	60F/BL	BC-60F15/LL
40FM/AU CD/2 6 PK	60F/IC/BL/2PK	BC60F15/LL
60GC	60G16½C/BL	---
60G25 6PK 120V	60G25/RP	60G25 120V
---	60G25/DL/RP	60G25
---	60G25/DLSW/RP	60G25/W
60G30/W	60G30/W	---
60G40 6PK	60G40/RP	60G40/4M
60G40/W 6PK	60G40/W	60G40/4MW
---	60K19/DR	60K19/DL
60T10/F 24PK	60T10/CF	60T10/64/IF
65R30/FL/LL 6PK	65BR30/DL/FL/RP	65BR30/FL/LL55
---	65BR30/FL	65BR30/FL55
75R30/FL/65WM	65BR30/FL/SS	65BR30/FL55
65R30/SP/LL 6PK	65BR30/SP/RP	65BR30/SP20
75R30/SP/65WM	65BR30/SP/SS	65BR30/SP20
75A	75A	75A
75A/CL 24PK	75A/CL	75A/CL
75A/RS	75A19/RS	75A/RS/VS
75A/RT 6PK	75A21/RS/SL	75A/RH/TF
75A/RS/CVG 24PK	75A21/SL/RP	75A/RH/TF
75A/67WM	75A/67/SS	75A-67A/EW
75A/67WMP/99	75A/67/SS/XL	75A-67A/99/EW 120
75R30/A	75BR30/A/FL/RP	---
75R30/B	75BR30/B/FL/RP	75BR30/PK
75R30/G	75BR30/G/FL/RP	---
75R30/PL/1 6PK	75BR30/GRO/FL/RP	75BR30/AGRO
75R30/PK	75BR30/PK/FL/RP	75BR30/PK
75R30/SP-1 6PK	75BR30/SP/RP	---
75R30/Y	75BR30/Y/FL/RP	---
75R/FL/1-6PK-120	75BR/FL/RP	---
75ER30	75ER30	75ER30
---	75K19/DR	75K19/DL
75R20 6PK	75R20/RP	75R20
---	75R30/FL/SL	75BR30/FL/TF
100A21/90WM/TS 12	90A19/TS/8M/SS	K90A19/TS/EW
100A21/SBIF 60 PK	100A21/1SB/IF	100A/1SBIF
100A	100A	100A
---	100A/DLSW/2PK/RP	100A/W
100A/RS 12PK	100A19/RS	100A/RS/VS
100A21	100A21	100A21
100A/RS/CVG	100A21/RS/SL	100A/RS/TF
100A23/VS 24PK	100A21/VS	100A/RS/VS
100A23/20	100A23/20	100A23/20
100A/90WM	100A/90/SS	100A-90A/EW
100A/90WMP/98	100A/90/SS/XL	100-90A/99EW
100A/CL 24PK	100A/CL	100A/CL
100R/FL-120	100BR/FL	120BR/FL60

Manufacturers' Cross Reference Guide (continued)

INCANDESCENT LAMPS

GE	SYLVANIA	PHILIPS
100G40	100G40	100G40/4M
100G40/W/L	100G40/W	100G40/4MW
120R40/FL/MI-6PK	120BR/FL	120BR/FL60
120R40/FL/LL-6PK	120BR/DL/FL/RP	---
120R40/SP/MI-6PK	120BR/SP	120BR/SP20
120ER40	120ER40	120ER40
125R40	125BR40	125R40/1
150A	150A21	150A
150A/135WM	150A21/135/SS	150A-135A/EW
150Q21/99/IF	150A21/99/XL	150A/99
150A/CL 12PK	150A21/CL	150A/CL
150R40/PL-1 6PK	150BR/GRO	150BR/AGRO
150G40/W	150G40/W/RP	150G40/W
200A 12PK	200A21	200A (A23)
200/99	200CL/99/XL	200/99
200/IF	200PS/IF	200/IF
200/99	200PS/CL/99/XL	200/99
200/99IF	200PS/IF/99/XL	200/99IF
250R40/1	250BR40	250R40/1
---	250KBR38/FL	K250PAR38/FL
---	250KR38/SP	K250PAR38/SP
300M/99	300/AX/CL	300/2
300M/99IF	300/AX/IF	300/2IF
300R/FL	300BR/FL	300R/FL
300M/99/IF	300M/99/IF/XL	300M/99IF
300M	300/M/CL	300M
300PAR56/MFL	300PAR56/MFL	300PAR56/MFL
300PAR56/NSP	300PAR56/NSP	300PAR56/NSP
300PAR56/WFL	300PAR56/WFL	300PAR56/WFL
300/99IF	300PS35/99/IF/XL	300/99IF



Manufacturers' Cross Reference (continued)

HALOGEN LAMPS

GE	SYLVANIA	PHILIPS	OSRAM
	HALOGEN BT15		
---	60BT15/HAL/CL/BL	BC60BT15/HAL/CL	---
---	60BT15/HAL/W/BL	BC60BT15/HAL/W	---
---	75BT15/HAL/W/BL	BC75BT15/HAL/W	---
---	100BT15/HAL/W/BL	BC100BT15/HAL/W	---
---	150BT15/HAL/W/BL	BC150BT15/HAL/W	---
	CAPSYLITE MIDBREAK		
50A/HAL	52A/CAP	---	---
60A/HAL	60A/HAL/DAY	---	---
60A/HAL/CL	60A/HAL/DAY/CL	---	---
75A/HAL	75A/HAL/DAY	---	---
90A/HAL	100A/HAL/DAY	---	---
	CAPSYLITE PAR		
60PAR16/H/SP10	60PAR16/CAP/NSP10	60PAR16/HAL/NSP10	---
60PAR16/H/FL30	60PAR16/CAP/NFL30	60PAR16/HAL/NFL27	---
75PAR16/H/SP10	75PAR16/CAP/NSP10	---	---
75PAR16/H/FL30	75PAR16/CAP/NFL30	---	---
50PAR20/H/FL25	50PAR20/HAL/SPL/NFL30	50PAR20/HAL/NFL30	---
50PAR20/H/SP10	50PAR20/HAL/SPL/NSP10	50PAR20/HAL/NSP9	---
50PAR30/H/FL25	50PAR30/CAP/SPL/NFL25	50PAR30/HAL/NFL30	---
50PAR30/H/SP10	50PAR30/CAP/SPL/NSP9	50PAR30S/HAL/NSP10	---
50PAR30/H/FL35	50PAR30/HAL/SPL/FL40	50PAR30S/HAL/FL40	---
50PAR30L/H/FL40	50PAR30LN/CAP/SPL/NFL30	50PAR30L/HAL/NFL30	---
50PAR30L/H/SP10	50PAR30LN/CAP/SPL/NSP9	50PAR30L/HAL/NSP9	---
50PAR30L/H/WFL	50PAR30LN/CAP/SPL/WFL50	50PAR30L/HAL/WFL60	---
60PAR30/H/NSP9	60PAR30/CAP/SPL/NSP9	60PAR30S/HAL/NSP10	---
60PAR30/H/FL25	60PAR30/CAP/SPL/NFL25	60PAR30S/HAL/NFL30	---
75PAR30/H/SP10	75PAR30/CAP/SPL/NSP9	75PAR30S/HAL/SP10	---
75PAR30/H/FL25	75PAR30/CAP/SPL/NFL25	75PAR30S/HAL/NFL30	---
75PAR20/H/FL35	75PAR30/CAP/SPL/FL40	75PAR30S/HAL/FL40	---
75PAR30L/H/SP10	75PAR30LN/CAP/SPL/NSP9	75PAR30L/HAL/NSP9	---
75PAR30L/H/FL25	75PAR30LN/CAP/SPL/NFL25	75PAR30L/HAL/NFL30	---
75PAR30L/H/WFL	75PAR30LN/CAP/SPL/WFL50	75PAR30L/HAL/FL40	---
35PAR36/H/SP8	36PAR36CAPNSP13	---	---
35PAR36/H/SP5	36PAR36CAPVNSP5	---	---
35PAR36/H/FL30	36PAR36CAPWFL	---	---
50PAR36/H/SP5	50PAR36CAPNSP6	---	---
45PAR/H/SP10	45PAR/CAP/SPL/SP9	---	---
---	45PAR/CAP/SPL/WSP12	45PAR38/HAL/SP12/LL	---
45PAR/H/FL25	45PAR/CAP/SPL/FL30	45PAR38/HAL/FL28/LL	---
60PAR/H/SP10	60PAR/CAP/SPL/SP9	60PAR38/HAL/NSP10/WLL	---
---	60PAR/CAP/SPL/WSP12	60PAR38/HAL/SP12/WLL	---
60PAR/H/FL25	60PAR/CAP/SPL/NFL25	---	---
---	60PAR/CAP/SPL/FL30	60PAR38/HAL/FL28/WLL	---
75PAR/H/SP9	75PAR/CAP/SPL/SP9	75PAR38/HAL/SP10/WLL	---
75PAR/H/FL25	75PAR/CAP/SPL/FL30	75PAR38/H/FL28/WLL	---
90PAR/H/SP10	90PAR/CAP/SPL/SP9	---	---
---	90PAR/CAP/SPL/WSP12	90PAR38/HAL/SP12/LL	---
90PAR/H/FL25	90PAR/CAP/SPL/FL30	90PAR38/HAL/FL28/LL	---
90PAR/H/WFL	90PAR/CAP/SPL/WFL50	90PAR38/HAL/WFL60/WLL	---
120PAR/H/SP9	120PAR/CAP/SPL/SP9	---	---
120PAR/H/FL30	120PAR/CAP/SPL/FL30	---	---
Q250PAR/SP10	250PARCAPSPLSP10	---	---
Q250PAR/FL30	250PARCAPSPLFL30	---	---
Q500PAR56MFL	500PAR56QMFL	500PAR56Q/MFL	---
Q500PAR56NSP	500PAR56QNSP	500PAR56Q/NSP	---
Q500PAR56WFL	500PAR56QWFL	500PAR56Q/WFL	---
Q1000PAR64MFL	1000PAR64QMFL	1000PAR64Q/MFL	---
Q1000PAR64NSP	1000PAR64QNSP	1000PAR64Q/NSP	---
Q1000PAR64WFL	1000PAR64QWFL	1000PAR64Q/WFL	---
	CAPSYLITE IR PAR		
45PAR30/HIR/SP9XL	50PAR30/CAP/IR/NSP9 130V	---	---
45PAR30/HIR/FL25XL	50PAR30/CAP/IR/NFL25 130V	---	---

Manufacturers' Cross Reference Guide (continued)

HALOGEN LAMPS

GE	SYLVANIA	PHILIPS	OSRAM
	CAPSYLITE IR PAR (continued)		
45PAR30/HIR/FL35XL	50PAR30/CAP/IR/FL40 130V	---	---
50PAR30/HIR/SP9	50PAR30/CAP/IR/NSP9	50PAR30S/IRC/NSP10	---
50PAR30/HIR/FL25	50PAR30/CAP/IR/NFL25	50PAR30S/IRC/NFL30	---
50PAR30/HIR/FL35	50PAR30/CAP/IR/FL40	50PAR30S/IRC/FL40	---
45PAR/HIR/SP12/XL	50PAR/CAP/IR/SP10 130V	---	---
45PAR/HIR/FL40/XL	50PAR/CAP/IR/NFL25 130V	---	---
50PAR/HIR/SP9	50PAR/CAP/IR/SP10	50PAR38/IRC/SP12	---
50PAR/HIR/FL25	50PAR/CAP/IR/NFL25	50PAR38/IRC/FL25	---
55PAR/HIR/SP12/XL	55PAR38/CAP/IR/XP/SP9	---	---
55PAR/HIR/FL40/XL	55PAR38/CAP/IR/XP/FL30	---	---
60PAR/HIR/SP10	60PAR/CAP/IR/SP10	60PAR38/IRC/SP10	---
60PAR/HIR/SP12	60PAR/CAP/IR/WSP12	60PAR38/IRC/WSP12	---
---	60PAR/CAP/IR/NFL25	60PAR38/IRC/FL25	---
60PAR/HIR/FL30	60PAR/CAP/IR/FL30	---	---
80PAR/HIR/SP10	80PAR/CAP/IR/SP10	---	---
80PAR/HIR/FL25	80PAR/CAP/IR/FL25	---	---
100PAR/HIR/SP10	100PAR/CAP/IR/SP10	100PAR38/IRC/SP10	---
100PAR/HIR/FL25	100PAR/CAP/IR/NFL25	100PAR38/IRC/FL25	---
100PAR/HIR/FL40	100PAR/CAP/IR/FL40	---	---
	TRU-AIM MR11		
Q20MR11/SP15(FTC)	20MR11/SP10/FTB	20MRC11/SP10	46890SP
Q20MR11/NFL30(FTD)	20MR11/FL35/FTD	20MRC11/FL30	46890WFL
Q35MR11/NFL30(FTH)	35MR11/FL40/FTH	---	46892WFL
Q35MR11/SP20(FTF)	35MR11/SP10/FTF	---	46892SP
	STANDARD TRU-AIM MR16		
Q20MR16/SP	20MR16/NSP8/ESX	20MRC16/SP10	41860SP
Q20MR16/FL	20MR16/FL40/BAB	20MRC16/FL36	41860WFL
Q35MR16CG/FL	35MR16/FL40	---	41865WFL
Q50MR16/SP	50MR16/NSP12/EXT	50MRC16/SP10	41870SP
---	50MR16/NFL25/EXZ	50MRC16/NFL24	---
Q50MR16/FL	50MR16/FL40/EXN	50MRC16/FL38	41870WFL
---	65MR16/NSP10/FPA	75MR16/SP10-EYF	---
---	65MR16/FL40/FPB	75MR16/FL36-EYC	---
	TRU-AIM BRILLIANT MR16		
---	20MR16/B/FL35/C	---	41861WFL
---	50MR16/B/NSP11/C/EXT	50MRC16/SP12/A	---
---	50MR16/B/NFL25/EXZ	50MRC16/NFL24/A	---
---	50MR16/B/FL35/C/EXN	50MRC16/FL36	41871WFL
	TRU-AIM TITAN MR16		
Q20MR16/C/VNSP7	20MR16/T/NSP10/ESX	20MRC16/CC/SP10	46860SP
Q20MR16/C/FL40	20MR16/T/FL40/BAB	20MRC16/CC/FL38	46860WFL
---	35MR16/T/NSP10/FRB	---	46865SP
Q35MR16/C/SP20	35MR16/T/NFL25	---	46865FL
Q35MR16/C/FL40	35MR16/T/FL40/FMW	---	46865WFL
Q50MR16/C/NSP15	50MR16/T/NSP10/EXT	50MRC16/CC/SP10	46870SP
Q50MR16/C/NFL25	50MR16/T/NFL25/EXZ	50MRC16/CC/NFL24	46870FL
Q50MR16/C/FL40	50MR16/T/FL40/EXN	50MRC16/CC/FL38	46870WFL
Q50MR16/C/WFL55	50MR16/T/VWFL60/FNV	---	46870VWFL
Q71MR16/C/NSP15	65MR16/T/NSP10/FPA	---	---
Q71MR16/C/NFL25	65MR16/T/NFL25	---	---
Q71MR16/C/FL40	65MR16/T/FL40/FPB	---	---
	TRU-AIM IR MR16		
---	20MR16/IR/SP10/C	20MRC16/IRC/SP8	48860SP
---	20MR16/IR/NFL25/C	---	48860FL
---	20MR16/IR/FL40/C	20MRC16/IRC/FL36	48860WFL
---	20MR16/IR/WFL60/C	---	48860VWFL
Q37MR16/HIR/CG10	37MR16/IR/SP10/C	35MRC16/IRC/SP8	48865SP
Q37MR16/HIR/CG25	37MR16/IR/NFL25/C	35MRC16/IRC/NFL24	48865FL
Q37MR16/HIR/CG40	37MR16/IR/FL40/C	35MRC16/IRC/FL36	48865WFL
---	37MR16/IR/WFL60/C	35MRC16/IRC/WFL60	48865VWFL
Q50MR16/HIR/CG10	50MR16/IR/SP10/C	45MRC16/IRC/SP8	48870SP
Q50MR16/HIR/CG25	50MR16/IR/NFL25/C	45MRC16/IRC/NFL24	48870FL

For more complete product information visit www.sylvania.com

Manufacturers' Cross Reference (continued)

HALOGEN LAMPS

GE	SYLVANIA	PHILIPS	OSRAM
	TRU-AIM IR MR16 (continued)		
Q50MR16/HIR/CG40	50MR16/IR/FL40/C	45MRC16/IRC/FL36	48870WFL
---	50MR16/IR/WFL60/C	45MRC16/IRC/WFL60	48870VWFL
	SINGLE ENDED		
---	100Q/CL/DC/64485	---	64485
Q100CL/DC	100Q/CL/DC/ESR	100Q/CL/DC ESR	---
Q100CL/MC	100Q/CL/MC/ESN	100Q/CL ESN	---
Q100DC	100Q/DC/ETD	---	---
Q150CL/DC/2V	150Q/CL/DC/1/ESP	---	---
Q150CL/DC	150Q/CL/DC/ETC	150Q/CL/DC ETC	---
Q150CL/MC	150Q/CL/MC/2/ETG	150Q/CL	---
Q150CL/MC/2V	150Q/CL/MC/ESL	---	---
Q150DC	150Q/DC/ETF	150Q/DC	---
Q150MC	150Q/MC/ETH	150Q ETH	---
Q250CL/DC	250Q/CL/DC/ESS	250Q/CL/DC ESS	---
Q250CL/MC	250Q/CL/MC/EHT	250Q/CL EHT	---
Q250DC	250Q/DC/ETB	---	---
Q250MC	250Q/MC/ESM	---	---
	DOUBLE ENDED		
Q100T3/CL/CD	100T3Q/CL	BC100T3Q/CL/TP	---
Q150T4/CL	150T3Q/S/CL	BC150T3Q/CL/TP	---
Q150T3/117/CL/CD	150T3Q/CL	---	---
Q300T3/CL	300T3Q/CL	300T3Q/P/CL	---
Q500T3/CL	500T3Q/CL	500T3Q/P/CL	---
	BIPIN		
Q5T3/CL	5T3Q/CL	5W/12V/CAPSULE	64405S
Q10T3/CL	10T3Q/CL	---	64415
Q20T3/CL/CD	20T3Q/CL	---	64425
Q50T3/CL	50T4Q/CL	50W/12V/CAPSULE	64440
Q75T4/CL/CD	75T4Q/CL/RP	---	---
---	10T3Q/CL/AX	10W/12V/CAPSULE	64415S
---	20T3Q/CL/AX	20W/12V/CAPSULE	64425S
Q35T3/CL	35T4Q/CL/AX	35W/12V/CAPSULE	64432S
---	50T4Q/CL/AX	---	64440S
---	75T4Q/CL/AX	---	64450S
---	90T4Q/CL/AX	---	64458S
	AR 70 & AR111		
---	20AR70/SP8	15ALR18/NSP6-GBA	41970 SP USA
---	20AR70/FL25	---	41970 FL USA
---	50AR70/SP8	50ALR18/SP10-GBJ	41990 SP USA
---	50AR70/FL25	50ALR18/NFL22-GBK	41990 FL USA
---	35AR111/SSP4	---	41830 SSP
---	50AR111SSP4	---	41835 NSP 12V 50W
---	50AR111/SP8	---	41835 SP 12V 50W
---	50AR111/FL25	---	41835 FL 12V 50W
---	75AR111/SP8	---	41840 SP 12V 75W
---	75AR111/FL25	---	41840 FL 12V 75W
---	75AR111/WFL45	---	41840 WFL 12V 75W
---	100AR111/SP8	---	41850 SP 12V 100W
---	100AR111/FL25	---	41850 FL 12V 100W
---	100AR111/WFL45	---	41850 WFL 12V 100W

Manufacturers' Cross Reference Guide (continued)

HIGH INTENSITY DISCHARGE LAMPS - METAL HALIDE

GE	SYLVANIA	PHILIPS
CMH39/TC/U/830/G8.5	METALARC CERAMIC	CDM35/TC/830
CMH70/TC/U/830/G8.5	MC39TC/U/G8.5/830	CDM70/TC/830
CMH39/T/U/830/G12	MC70TC/U/G8.5/830	CDM35/T6/830
CMH70UT830G12	MC39T6/U/G12/830	CDM70/T6/830
CMH150TU830G12	MC70T6/U/G12/830	CDM150/T6/830
CMH70TU942G12	MC150T7.5/U/G12/830	CDM70T6942
CMH150TU942G12	MC70T6/U/G12/940	CDM150T6942
CMH70/TD/830/RX7S	MC150T6/U/G12/940	CDM70/TD/830
CMH150/TD/830/RX7S	MC70T6/DE/830	CDM150/TD/830
CMH70/U/830/MED	MC150T7.5/DE/830	MHC70/U/MP/3K/ALTO
CMH70/C/U/830/MED	MCP70/U/MED/830	MHC70/C/U/MP/3K/ALTO
CMH100/U/830/MED	MCP70/C/U/MED/830	MHC100/U/MP/3K/ALTO
CMH100/C/U/830/MED	MCP100/U/MED/830	MHC100/C/U/MP/3K/ALTO
---	MCP100/C/U/MED/830	MHC150/U/MP/3K/ALTO
---	MCP150/U/MED/830	MHC150/C/U/MP/3K/ALTO
---	MCP150/C/U/MED/830	CDM35/PAR20/M/SP
CMH39/PAR20/SP10	MCP39PAR20/U/830/SP	CDM35PAR20MFL
CMH39/PAR20/FL25	MCP39PAR20/U/830/FL	CDM35/PAR30L/M/SP
CMH39/PAR30L/830/SP10	MCP39PAR30LN/U/830/SP	CDM35/PAR30L/M/FL
CMH39/PAR30L/830/FL25	MCP39PAR30LN/U/830/FL	CDMP70/PAR30L/M/SP
CMH70/U/PAR30L/830SP	MCP70PAR30LN/U/830/SP	CDM70/PAR30L/M/FL
CMH70/U/PAR30L/830FL	MCP70PAR30LN/U/830/FL	CDM70/PAR38/SP/3K
CMH70/PAR38/830SP15	MCP70PAR38/U/SP/830/ECO	CDM70/PAR38/FL/3K
CMH70/PAR38/830/FL25	MCP70PAR38/U/FL/830/ECO	CDM70/PAR38/WFL/3K
CMH70/PAR38/830/WF	MCP70PAR38/U/VWFL/830/ECO	CDM100/PAR38/SP/3K
CMH100/PAR38/830/S15	MCP100PAR38/U/SP/830/ECO	CDM100/PAR38/FL/3K
CMH100/PAR38/830/F25	MCP100PAR38/U/FL/830/ECO	CDM100/PAR38/WFL/3K
CMH100/PAR38/830/W	MCP100PAR38/U/VWFL/830/ECO	---
---	MCP150PAR38/U/SP/830/ECO	---
---	MCP150PAR38/U/FL/830/ECO	---
---	MCP150PAR38/U/VWFL/830/ECO	---
---	MCP250/PS/BU-ONLY/940	---
---	MCP250/C/PS/BU-ONLY/940	---
	METALARC PULSE START	
MXR50/U/MED/O	MP50/U/MED	---
MXR50/C/U/MED/O	MP50/C/U/MED	---
MXR70/U/MED/O	MP70/U/MED	---
MXR70/C/U/MED/O	MP70/C/U/MED	---
MXR100/U/MED/O	MP100/U/MED	---
MXR100/C/U/MED/O	MP100/C/U/MED	---
MXR150/U/MED/O	MP150/U/MED	---
MXR150/C/U/MED/O	MP150/C/U/MED	---
MVR175CVBUMEDPA	MS175/C/PS/BU-ONLY/MED	---
MVR175VBUBUPA	MS175/PS/BU-ONLY/MED	---
MVR175/VBU/PA	MS175/PS/BU-ONLY	MS175/BU/PS
MVR175/C/VBU/PA	MS175/C/PS/BU-ONLY	---
---	MS200/PS/BU-ONLY	---
---	MS200/C/PS/BU-ONLY	---
MVR250/VBU/PA	MS250/PS/BU-ONLY	MS250/BU/PS
MVR250/C/VBU/PA	MS250/C/PS/BU-ONLY	---
---	MP250/PS/BU-ONLY	---
---	MP250/C/PS/BU-ONLY	---
MVR320VBU/XHO/PA	MS320/PS/BU-HOR	MS320/U/PS
MVR320/VBU/HO/PA	MS320/PS/BU-HOR	MS320/U/PS
MVR320/C/VBU/XHOPA	MS320/C/PS/BU-HOR	MS320/C/U/PS
MVR320/C/VBU/HOPA	MS320/C/PS/BU-HOR	MS320/C/U/PS
MPR320/C/VBUXHOPA	MP320/350/C/PS/BU-ONLY/BT28	---
MPR350/C/VBU/PA	MP320/350/C/PS/BU-ONLY/BT28	---
MPR320/VBU/XHOPA	MP320/350/PS/BU-ONLY/BT28	---
MPR400/VBU/SHO/PA	MP350/400/PS/BU-ONLY	MP400/BU/PS
MPR400/C/VBU/XHOPA	MP350/400/C/PS/BU-ONLY	MP400/C/BU/PS
MPR350C/VBU/PA	MP350/400/C/PS/BU-ONLY	MP400/C/BU/PS

Manufacturers' Cross Reference (continued)

HIGH INTENSITY DISCHARGE LAMPS - METAL HALIDE

GE	SYLVANIA	PHILIPS
	METALARC PULSE START (continued)	
MVR400VBUHOPA	MS400/PS/BU-ONLY	MS400/BU/PS
MVR400/C/VBU/PA	MS400/C/PS/BU-ONLY	MS400/C/BU/PS
MVR400CVBUHOPA	MS400/C/PS/BU-ONLY	MS400/C/BU/PS
MVR750/VBU/PA	MS750/PS/BU-HOR/BT37	---
MVR750/C/VBU/PA	MS750/C/PS/BU-HOR/BT37	---
---	M1000/PS/U/BT37	MS1000/BU/BT37/PS
	METALARC SUPER SAVER	
MVR150/U/WM	M150/SS/U/BT-28	---
MVR360/VBU/STB/WM	MS360/SS/BU-HOR	MS360/BU/EW
MVR360/C/VBU/STB/WM	MS360/C/SS/BU-HOR	MS360/C/BU/EW
MPR360/VBU/WM/O	MSP360/SS/BU-ONLY	MP360BU/EW
---	MS360/SS/BU-ONLY/ED28	---
	METALARC SUPER	
MVR175/HOR	MS175/HOR	MS175/HOR
MVR175/C/HOR	MS175/C/HOR	MS175/C/HOR
MVR250/HOR	MS250/HOR	MS250/HOR
MVR250/C/HOR	MS250/C/HOR	MS250/C/HOR
MVR400/VBU	MS400/BU-ONLY	MS400/BU
MVR400/C/VBU	MS400/C/BU-ONLY	MS400/C/BU
MVR400/SP30/VBU	MS400/3K/BU-ONLY	MS400/3K/BU
MVR400/VBU/BT28	MS400/BU-ONLY/BT28	MS400/BU/ED28
MVR400/HOR/BT28	MS400/HOR/BT28	MH400/U/ED28
MVR400/HOR/MOG	MS400/HOR	MS400/HOR
MVR400/C/HOR/MOG	MS400/C/HOR	MS400/C/HOR
MVR1000/VBU	MS1000/BU-ONLY	MS1000/BU
MVR1000/C/VBU	MS1000/C/BU-ONLY	MS1000/C/BU
---	MS1000/BD-ONLY	MS1000/BD
	METALARC STANDARD & METALARC PRO-TECH	
MVR175/U/MED	M175/U/MED	MH175/U/M
MVR175/C/U/MED	M175/C/U/MED	MH175/C/U/M
MVR175/U	M175/U	MH175/U
MVR175/C/U	M175/C/U	MH175/C/U
---	MP175/BU-ONLY	MP175/BU
MVR175/SP30/U	M175/3K/BU-ONLY	MH175/3K/BU
MVR250/U	M250/U	MH250/U
MVR250/C/U	M250/C/U	MH250/C/U
---	M250/U/ET18	MH250/T15
MVR250/SP30/U	M250/3K/BU-ONLY	MH250/3K/BU
---	MP250/BU-ONLY	MP250/BU
MVR400/U	M400/U	MH400/U
MVR400/C/U	M400/C/U	MH400/C/U
MVR400/U/ED28	M400/U/BT28	MH400/U/ED28
MVR400/C/U/ED28	M400/C/U/BT28	---
---	M400/U/ET18	MH400/T15
MPR400/VBU/O	MP400/BU-ONLY	MP400/BU
MPR400/C/VBU/O	MP400/C/BU-ONLY	MP400/C/BU
MVR1000/U	M1000/U	MH1000/U
MVR1000/C/U	M1000/C/U	MH1000/C/U
MVR1000/U/BT37	M1000/U/BT37	MH1000/U/BT37
MPR1000VBUO	MP1000/BU-ONLY	MP1000/BU
MVR1500/HBU	M1500/BU-HOR	MH1500/BU
MVR1500/U/SPORTS	M1500/BD	MH1500/BD
	METALARC BRITELINE	
SPL1500/L/H/652	M1500T7/DE	---
MQI2000/T9/40	M2000T9/DE	---
	METALARC SAFELINE	
MVT400/VBU	MT400/BU-ONLY	MHT400/U
MVT400/C/VBU	MT400/C/BU-ONLY	MHT400/C/U

Manufacturers' Cross Reference Guide (continued)

HIGH INTENSITY DISCHARGE LAMPS - HIGH PRESSURE SODIUM

GE	SYLVANIA	PHILIPS
ARC70TDUVC730	DOUBLE-ENDED HQI	---
ARC70TDUVC743	HQI-DE70/WDX	---
ARC150TDUVC742	HQI-DE70/NDX	MHN70/TD/840
	HQI-DE150/NDX	MHN150/TD/840
	SINGLE-ENDED HQI	
ARC150/T/U/840/G12	HQI-SE 150/NDX	---
	LUMALUX PLUS / ECO	
---	LU50/PLUS/ECO	---
LU70/ECO/NC	LU70/PLUS/ECO	---
LU100/ECO/NC	LU100/PLUS/ECO	---
LU150/ECO/NC	LU150/55/PLUS/ECO	---
LU200/ECO/NC	LU200/PLUS/ECO	---
LU250/ECO/NC	LU250/PLUS/ECO	---
---	LU310/PLUS/ECO	---
LU400/ECO/NC	LU400/PLUS/ECO	---
	LUMALUX STANDARD & ECOLOGIC	
LU35/MED	LU35/MED	C35S76/M
LU35/D/MED	LU35/D/MED	C35S76/D/M
LU50/MED	LU50/MED	C50S68/M
LU50/D/MED	LU50/D/MED	C50S68/D/M
LU50	LU50/ECO	C50S68/ALTO
LU50/D	LU50/D	C50S68/D/ALTO
LU70/MED	LU70/MED	C70S62/M
LU70/D/MED	LU70/D/MED	C70S62/D/M
LU70ECO	LU70/ECO	C70S62/ALTO
LU70/D	LU70/D	C70S62/D/ALTO
LU100/MED	LU100/MED	C100S54/M
LU100/D/MED	LU100/D/MED	C100S54/D/M
LU100ECO	LU100/ECO	C100S54/ALTO
LU100/D	LU100/D	C100S54/D/ALTO
LU150/MED	LU150/55/MED	C150S55/M
LU150/D/MED	LU150/55/D/MED	C150S55/D/M
LU150/55/ECO	LU150/55/ECO	C150S55/ALTO
LU150/55/D	LU150/55/D	C150S55/D/ALTO
LU150/100	LU150/100	C150S56
LU200/ECO	LU200/ECO	C200S66/ALTO
LU250/ECO	LU250/ECO	C250S50/ALTO
LU250/D	LU250/D	C250S50/D/ALTO
LU310	LU310/ECO	C310S67
LU400/D	LU400/D	C400S51/D/ALTO
LU400/ECO	LU400/ECO	C400S51/ALTO
LU750	LU750	---
LU1000	LU1000	C1000S52/ALTO
	LUMALUX STANDBY	
LU70/SBY/XL	LU70/SBY	C70S62/2
LU100/SBY/XL	LU100/SBY	C100S54/2
LU150/55/SBY/XL	LU150/55/SBY	C150S55/2
LU250/SBY/XL	LU250/SBY	C250S50/2
LU200/SBY/XL	LU200/100/SBY	---
LU400/SBY/XL	LU400/SBY	C400S51/2
LU1000/SBY/XL	LU1000/SBY	C1000S52/2
	UNALUX	
LUH150/EZ	ULX150	C150S63/Retrolux
LUH215/EZ	ULX215	C215S65/Retrolux
LUH360/EZ	ULX360	C360S64/Retrolux

Manufacturers' Cross Reference (continued)

HIGH INTENSITY DISCHARGE LAMPS - LOW PRESSURE SODIUM

GE	SYLVANIA	PHILIPS
	SOX LOW PRESSURE SODIUM	
SOX-18	SOX18	SOX-E18
SOX-55	SOX55	SOX55
SOX-90	SOX90	SOX99
---	SOX180	SOX180

HIGH INTENSITY DISCHARGE LAMPS - MERCURY

GE	SYLVANIA	PHILIPS
	STANDARD MERCURY VAPOR	
HR40/50DX45-46	H45/46DL-40/50/DX	H46DL-40-50/DX
HR75DX43	H43AV-75/DX	H43AV-75/DX
HR100DX38/MED	H38AV-100/DX	H38MP-100/DX
HR100RDXFL38	H38BP-100/DX	H38BP-100/DX
HR100A38	H38HT-100	H38HT-100
HR100DX38	H38JA-100/DX	H38JA-100/DX
HR175RFL39	H39BP-175/DX	H39BM-175
HR175A39	H39KB-175	H39KB-175
HR175DX39	H39KC-175/DX	H39KC-175/DX
HR250A37	H37KB-250	H37KB-250
HR250DX37	H37KC-250/DX	H37KC-250/DX
HR400A33	H33CD-400	H33CD-400
HR400DX33	H33GL-400/DX	H33GL-400/DX
HR1000A36	H36GV-1000	H36GV-1000
HR1000DX36	H36GW-1000/DX	H36GW-1000/DX
HR1000DX34	H34GW-1000/DX	H34GW-1000/DX
	MERCURY VAPOR SAFELINE	
HT400DX33	H33GL-T400/DX	H33GL-T400/DX



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Manufacturers' Cross Reference Guide (continued)

FLUORESCENT LAMPS

GE	SYLVANIA	PHILIPS
	OCTRON	
F17T8/SPX30/ECO	FO17/830/ECO	F17T8/TL830
F17T8/SPX35/ECO	FO17/835/ECO	F17T8/TL835
F17T8/SPX41/ECO	FO17/841/ECO	F17T8/TL841
---	FO17/830/XP/ECO	---
---	FO17/835/XP/ECO	---
---	FO17/841/XP/ECO	---
---	FO17/865/XP/ECO	F17T8/TL865 PLUS
---	FO17/830XPS/ECO	---
---	FO17/835XPS/ECO	---
---	FO17/841XPS/ECO	---
F25T8/SPX30/ECO	FO25/830/ECO	F25T8/TL830
F25T8/SPX35/ECO	FO25/835/ECO	F25T8/TL835
F25T8/SPX41/ECO	FO25/841/ECO	F25T8/TL841
---	FO25/830/XP/ECO	---
---	FO25/835/XP/ECO	---
---	FO25/841/XP/ECO	---
---	FO25/865/XP/ECO	F25T8/TL865 PLUS
---	FO25/830XPS/ECO	---
---	FO25/835XPS/ECO	---
---	FO25/841XPS/ECO	---
F28T8SP30UMX/ECO	FO28/830XP/SS/ECO	---
F28T8SP35UMX/ECO	FO28/835XP/SS/ECO	---
F28T8SP41UMX/ECO	FO28/841XP/SS/ECO	---
F32T8XL/SP30/IS/WM/ECO	FO30/830XP/SS/ECO	F32T8/ADV830/EW/ALTO
F32T8XL/SP35/IS/WM/ECO	FO30/835XP/SS/ECO	F32T8/ADV835/EW/ALTO
F32T8XL/SP41/IS/WM/ECO	FO30/841XP/SS/ECO	F32T8/ADV841/EW/ALTO
F32T8/SP30/ECO	FO32/730/ECO	F32T8/TL730/ALTO
F32T8/SP35/ECO	FO32/735/ECO	F32T8/TL735/ALTO
F32T8/SP41/ECO	FO32/741/ECO	F32T8/TL741/ALTO
F32T8/SP50/ECO	FO32/750/ECO	F32T8/TL750/ALTO
F32T8/SP65/ECO	FO32/765/ECO	---
F32T8/XL/SP30/ECO	FO32/730/XP/ECO	F32T8/TL730 PLUS/ALTO
F32T8/XL/SP35/ECO	FO32/735/XP/ECO	F32T8/TL735 PLUS/ALTO
F32T8/XL/SP41/ECO	FO32/741/XP/ECO	F32T8/TL741 PLUS/ALTO
---	FO32/750/XP/ECO	F32T8/TL750 PLUS/ALTO
F32T8/SPX30/ECO	FO32/830/ECO	F32T8/TL830/ALTO
F32T8/SPX35/ECO	FO32/835/ECO	F32T8/TL835/ALTO
F32T8/SPX41/ECO	FO32/841/ECO	F32T8/TL841/ALTO
F32T8/SPX50/ECO	FO32/850/ECO	F32T8/TL850/ALTO
---	FO32/827/XP/ECO	---
F32T8/XL/SPX30/ECO	FO32/830/XP/ECO	F32T8/TL830 PLUS/ALTO
F32T8/XL/SPX35/ECO	FO32/835/XP/ECO	F32T8/TL835 PLUS/ALTO
F32T8/XL/SPX41/ECO	FO32/841/XP/ECO	F32T8/TL841 PLUS/ALTO
F32T8/XL/SPX50/ECO	FO32/850/XP/ECO	F32T8/TL850 PLUS/ALTO
F32T8/XL/SPX65/ECO	FO32/865/XP/ECO	F32T8/TL865 PLUS/ALTO
F32T8SXL/SPX30/ECO	---	---
F32T8SXL/SPX35/ECO	---	---
F32T8SXL/SPX41/ECO	---	---
F32T8/XL/SPX30/HLEC	FO32/830XPS/ECO	F32T8/ADV830/ALTO
F32T8/XL/SPX35/HLEC	FO32/835XPS/ECO	F32T8/ADV835/ALTO
F32T8/XL/SPX41/HLEC	FO32/841XPS/ECO	F32T8/ADV841/ALTO
F40T8/SPX30	FO40/830/ECO	F40T8/TL830/ALTO
F40T8/SPX35	FO40/835/ECO	F40T8/TL835/ALTO
F40T8/SPX41	FO40/841/ECO	F40T8/TL841/ALTO
---	FO40/830/XP/ECO	---
---	FO40/835/XP/ECO	---
---	FO40/841/XP/ECO	---
F96T8/XL/SP30/WM	FO96/830XP/SS/ECO	---
F96T8/XL/SP35/WM	FO96/835XP/SS/ECO	---
F96T8/XL/SP41/WM	FO96/841XP/SS/ECO	---
F96T8/SPX30	FO96/830/ECO	F96T8/TL830

For more complete product information visit www.sylvania.com

Manufacturers' Cross Reference (continued)

FLUORESCENT LAMPS

GE	SYLVANIA	PHILIPS
	OCTRON (continued)	
F96T8/SPX35	FO96/835/ECO	F96T8/TL835
F96T8/SPX41	FO96/841/ECO	F96T8/TL841
F96T8/SPX50	FO96/850/ECO	F96T8/TL850
F96T8/XL/SPX30	FO96/830/XP/ECO	F96T8/TL830PLUS/ALTO
F96T8/XL/SPX35	FO96/835/XP/ECO	F96T8/TL835PLUS/ALTO
F96T8/XL/SPX41	FO96/841/XP/ECO	F96T8/TL841PLUS/ALTO
F96T8/XL/SPX50	FO96/850/XP/ECO	F96T8/TL850PLUS/ALTO
F96T8/SPX30/HO	---	F96T8/TL830/HO
F96T8/SPX35/HO	FO96/835/HO	F96T8/TL835/HO
F96T8/SPX41/HO	FO96/841/HO	F96T8/TL841/HO
	OCTRON CURVALUME	
---	FBO16/830	---
---	FBO16/835	---
---	FBO16/841	---
---	FBO16/865/XP	---
---	FBO24/830	---
---	FBO24/835	---
---	FBO24/841	---
F31T8/SPX30/U	FBO31/830	---
F31T8/SPX35/U	FBO31/835	---
F31T8/SPX41/U	FBO31/841	---
---	FBO31/830/XP/ECO	---
---	FBO31/835/XP/ECO	---
---	FBO31/841/XP/ECO	---
---	FBO30/830/XP/SS/ECO	---
---	FBO30/835/XP/SS/ECO	---
---	FBO30/841/XP/SS/ECO	---
F32T8/SPX30/U/6	FBO32/830/6/ECO	FB32T8/830/6/ALTO
F32T8/SPX35/U/6	FBO32/835/6/ECO	FB32T8/835/6/ALTO
F32T8/SPX41/U/6	FBO32/841/6/ECO	FB32T8/841/6/ALTO
---	FBO32/830/6/XP/ECO	---
---	FBO32/835/6/XP/ECO	---
---	FBO32/841/6/XP/ECO	---
	PENTRON & PENTRON HO	
F14/T5/830	FP14/830/ECO	F14T5/830
F14/T5/835	FP14/835/ECO	F14T5/835
F14/T5/841	FP14/841/ECO	F14T5/841
F21/T5/830	FP21/830/ECO	F21T5/830
F21/T5/835	FP21/835/ECO	F21T5/835
F21/T5/841	FP21/841/ECO	F21T5/841
F28/T5/830	FP28/830/ECO	F28T5/830
F28/T5/835	FP28/835/ECO	F28T5/835
F28/T5/841	FP28/841/ECO	F28T5/841
F35/T5/830	FP35/830/ECO	F35T5/830
F35/T5/835	FP35/835/ECO	F35T5/835
F35/T5/841	FP35/841/ECO	F35T5/841
F24/T5/830/HO	FP24/830/HO/ECO	F24T5/830/HO/ALTO
F24/T5/835/HO	FP24/835/HO/ECO	F24T5/835/HO
F24/T5/841/HO	FP24/841/HO/ECO	F24T5/841/HO
F39/T5/830/HO	FP39/830/HO/ECO	F39T5/830/HO
F39/T5/835/HO	FP39/835/HO/ECO	F39T5/835/HO
F39/T5/841/HO	FP39/841/HO/ECO	F39T5/841/HO
F54/T5/830/HO	FP54/830/HO/ECO	F54T5/830/HO/ALTO
F54/T5/835/HO	FP54/835/HO/ECO	F54T5/835/HO/ALTO
F54/T5/841/HO	FP54/841/HO/ECO	F54T5/841/HO/ALTO
F80/T5/830/HO	FP80/830/HO/ECO	F80T5/830/HO
F80/T5/835/HO	FP80/835/HO/ECO	---
F80/T5/841/HO	FP80/841/HO/ECO	F80T5/841/HO
	PENTRON CIRCLINE	
---	FPC22/830	FC9T5/830
---	FPC22/835	FC9T5/835

Manufacturers' Cross Reference Guide (continued)

FLUORESCENT LAMPS

GE	SYLVANIA	PHILIPS
	PENTRON CIRCLINE (continued)	
---	FPC22/841	FC9T5/841
---	FPC40/830	FC12T5/830
---	FPC40/835	FC12T5/835
---	FPC40/841	FC12T5/841
---	FPC55/830/HO	---
---	FPC55/835/HO	---
---	FPC55/841/HO	---
	F40 TYPES (STD & SS)	
F34/SP30/RS/WM/ECO	F34/D30/SS/ECO	F34/SPEC30/RS/EW/ALTO
F34/SP35/RS/WM/ECO	F34/D35/SS/ECO	F34/SPEC35/RS/EW/ALTO
F34/SP41/RS/WM/ECO	F34/D41/SS/ECO	F34/SPEC41/RS/EW/ALTO
F34/SPX30/RS/WM/ECO	F34/D830/SS/ECO	F34/30U/RS/EW/ALTO
F34/SPX35/RS/WM/ECO	F34/D835/SS/ECO	F34/35URS/EW/ALTO
F34/SPX41/RS/WM/ECO	F34/D841/SS/ECO	F34/41U/RS/EW/ALTO
F40/SP30/RS/ECO	F40/D30/ECO	F40/SPEC30/RS/ALTO
F40/SP35/RS/ECO	F40/D35/ECO	F40/SPEC35/RS/ALTO
F40/SP41/RS/ECO	F40/D41/ECO	F40/SPEC41/RS/ALTO
F40/SPX30/RS/ECO	F40/D830/ECO	F40/30U/RS/ALTO
F40/SPX35/RS/ECO	F40/D835/ECO	F40/35URS/ALTO
F40/SPX41/RS/ECO	F40/D841/ECO	F40/41U/RS/ALTO
F40/XL/SP30, 35, 41	---	---
F40/XL/SPX30, 35, 41	---	---
	CURVALUME® 3"	
F40/SP30/U/3	---	---
F40/SP41/U/3	---	---
	CURVALUME® 6"	
---	FB34/D30/6/SS	FB34/SPEC30/6/EW/ALTO
---	FB34/D35/6/SS	FB34/SPEC35/6/EW/ALTO
---	FB34/D41/6/SS	FB34/SPEC41/6/EW/ALTO
F40/SP30/U/6	FB40/D30/6	FB40/SPEC30/6/ALTO
F40/SP35/U/6	FB40/D30/6	FB40/SPEC35/6/ALTO
F40/SP41/U/6	FB40/D41/6	FB40/SPEC41/6/ALTO
F40/SPX30/U/6	FB40/D830/6	FB40/30U/6/ALTO
F40/SPX35/U/6	---	FB40/35U/6/ALTO
---	---	FB40/41U/6/ALTO
	SLIMLINE	
F96T12/SP35/WMP	---	---
F96T12/SP30/WM/ECO	F96T12/D30/SS/ECO	F96T12/SPEC30/EW/ALTO
F96T12/SP35/WM/ECO	F96T12/D35/SS/ECO	F96T12/SPEC35/EW/ALTO
F96T12/SP41/WM/ECO	F96T12/D41/SS/ECO	F96T12/SPEC41/EW/ALTO
F96T12/SPX30/WM/ECO	F96T12/D830/SS/ECO	F96T12/30U/EW/ALTO
F96T12/SPX35/WM/ECO	F96T12/D835/SS/ECO	F96T12/35U/EW/ALTO
F96T12/SPX41/WM/ECO	F96T12/D841/SS/ECO	F96T12/41U/EW/ALTO
F96T12/XL/SP35/WM	---	---
F96T12/XL/SP41/WM	---	---
F96T12/SP30/ECO	F96T12/D30/ECO	F96T12/SPEC30/ALTO
F96T12/SP35/ECO	F96T12/D35/ECO	F96T12/SPEC35/ALTO
F96T12/SP41/ECO	F96T12/D41/ECO	F96T12/SPEC41/ALTO
F96T12/SPX30/ECO	F96T12/D830/ECO	F96T12/30U/ALTO
F96T12/SPX35/ECO	F96T12/D835/ECO	F96T12/35U/ALTO
F96T12/SPX41/ECO	F96T12/D841/ECO	F96T12/41U/ALTO
F96T12/XL/SP35, 41	---	---
F96T12/XL/SPX35, 41, 50	---	---
	HIGH OUTPUT	
F72T12/SPX30/HO	F72T12/D830/HO	F72T12/30U/HO
---	---	F96T12/SPEC30/HO/EW
F96T12/SP35/HO/WM	F96T12/D35/HO/SS	F96T12/SPEC35/HO/EW
F96T12/SP41/HO/WM	F96T12/D41/HO/SS	F96T12/SPEC41/HO/EW
F96T12/SPX830/HO/WM	F96T12/D830/HO/SS	F96T12/30U/HO/EW
F96T12/SPX35/HO/WM	F96T12/D835/HO/SS	F96T12/35U/HO/EW
F96T12/SPX41/HO/WM	F96T12/D841/HO/SS	F96T12/41U/HO/EW

Manufacturers' Cross Reference (continued)

FLUORESCENT LAMPS

GE	SYLVANIA	PHILIPS
	HIGH OUTPUT (continued)	
F96T12/SP30/HO	F96T12/D30/HO	F96T12/SPEC30/HO
F96T12/SP35/HO	F96T12/D35/HO	F96T12/SPEC35/HO
F96T12/SP41/HO	F96T12/D41/HO	F96T12/SPEC41/HO
F96T12/SPX830/HO	F96T12/D830/HO	F96T12/30U/HO
F96T12/SPX35/HO	F96T12/D835/HO	F96T12/35U/HO
F96T12/SPX41/HO	F96T12/D841/HO	F96T12/41U/HO
	APPLIANCE	
F24"T8/CW/4	F18T8CW/K24	F15T8/CW/24
F26"T8/CW/4	F18T8CW/K26	F16T8/CW/26
F28"T8/CW/4	F18T8CW/K28	F17T8/CW/28
F30"T8/CW/4	F18T8CW/K30	F18T8/CW/30
---	F18T8/D/K26	---
	OTHER RAPID START	
F25T12/SP30/RS/WM	F25T12/D30/RS/SS	---
F25T12/SP35/RS/WM	F25T12/D35/RS/SS	---
F30T12/SP35/RS	F30T12/D35/RS	F30T12/SPEC35/RS
F30T12/SP41/RS	F30T12/D41/RS	F30T12/SPEC41/RS
F30T12/SPX30/RS	F30T12/D830/RS	F30T12/30U/RS
F30T12/SPX35/RS	F30T12/D835/RS	F30T12/35U/RS



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Manufacturers' Cross Reference Guide (continued)

COMPACT FLUORESCENT LAMPS

GE	SYLVANIA	PHILIPS
F5BX/SPX27/827	DULUX S - 2 PIN CF5DS/827 (ECO)	PL-S 5W/827
F5BX/SPX41/840	CF5DS/841 (ECO)	---
F7BX/SPX27/827	CF7DS/827 (ECO)	PL-S 7W/827
F7BX/SPX35/835	CF7DS/835 (ECO)	PL-S 7W/835
F7BX/SPX41/840	CF7DS/841 (ECO)	PL-S 7W/841
F7BX/SPX50/850	CF7DS/850 (ECO)	PL-S 7W/850
F9BX/SPX27/827	CF9DS/827 (ECO)	PL-S 9W/827
F9BX/SPX35/835	CF9DS/835 (ECO)	PL-S 9W/835
F9BX/SPX41/840	CF9DS/841 (ECO)	PL-S 9W/841
F9BX/SPX50	CF9DS/850 (ECO)	PL-S 9W/850
---	CF9DS/BLOCK	---
---	CF9DS/GREEN	---
---	CF9DS/RED	---
F13BX/SPX27/827	CF13DS/827 (ECO)	PL-S 13W/827
F13BX/SPX30/830	CF13DS/830 (ECO)	PL-S 13W/830
F13BX/SPX35/835	CF13DS/835 (ECO)	PL-S 13W/835
F13BX/SPX41/840	CF13DS/841 (ECO)	PL-S 13W/841
F13BX/SPX50	CF13DS/850 (ECO)	PL-S 13W/850
F13BX/E/830, 835, 841, 850	CFT13/DS/EC/827, 835, 841	---
F13BX/BLOCK	---	---
F13BX/GREEN	CF13DS/GREEN	---
---	DULUX S/E - 4 PIN CF5DS/E/827	---
---	CF5DS/E/841	---
---	CF7DS/E/827	---
---	CF7DS/E/841	---
---	CF9DS/E/827	---
---	CF9DS/E/841	---
---	CF13DS/E/827	---
---	CF13DS/E/830	---
---	CF13DS/E/841	---
---	DULUX D - 2 PIN CF9DD/827 (ECO)	---
F9DBX23T4/SPX27/827	CF9DD/830 (ECO)	---
---	CF9DD/835 (ECO)	---
F9DBX23T4/SPX41	---	---
F13DBX23T4/SPX27	CF13DD/827 (ECO)	PL-C 13W/827/USA/ALTO
F13DBXT4/SPX27 (G24d-1)	---	PL-C 13W/827/ALTO (G24d-1)
F13DBX23T4/SPX30	CF13DD/830 (ECO)	PL-C 13W/830/USA/ALTO
F13DBXT4/SPX30 (G24d-1)	---	PL-C 13W/830/ALTO (G24d-1)
F13DBX23T4/SPX35	CF13DD/835 (ECO)	PL-C 13W/835/USA/ALTO
F13DBXT4/SPX35 (G24d-1)	---	---
F13DBX23T4/SPX41	CF13DD/841 (ECO)	PL-C 13W/841/USA/ALTO
F13DBXT4/SPX41 (G24d-1)	---	---
F18DBXT4/SPX27	CF18DD/827 (ECO)	PL-C 18W/827/ALTO
F18DBXT4/SPX30	CF18DD/830 (ECO)	PL-C 18W/830/ALTO
F18DBXT4/SPX35	CF18DD/835 (ECO)	PL-C 18W/835/ALTO
F18DBXT4/SPX41	CF18DD/841 (ECO)	PL-C 18W/841/ALTO
---	---	PL-C 15mm/22W/827
F26DBXT4/SPX27	CF26DD/827 (ECO)	PL-C 26W/827/ALTO
F26DBXT4/SPX30	CF26DD/830 (ECO)	PL-C 26W/830/ALTO
F26DBXT4/SPX35	CF26DD/835 (ECO)	PL-C 26W/835/ALTO
F26DBXT4/SPX41	CF26DD/841 (ECO)	PL-C 26W/841/ALTO
F26DBXT4/E/827	---	---
F26DBXT4/E/830	---	---
F26DBXT4/E/835	---	---
F26DBXT4/E/841	---	---
---	DULUX D/E - 4 PIN ---	PL-C 15mm/28W/827
F13DBX/SPX27/4P	CF13DD/E/827 (ECO)	PL-C 13W/827/4P/ALTO
F13DBX/SPX30/4P	CF13DD/E/830 (ECO)	PL-C 13W/830/4P/ALTO

Manufacturers' Cross Reference (continued)

COMPACT FLUORESCENT LAMPS

GE	SYLVANIA	PHILIPS
	DULUX D/E - 4 PIN (continued)	
F13DBX/SPX35/4P	CF13DD/E/835 (ECO)	PL-C 13W/835/4P/ALTO
F13DBX/SPX41/4P	CF13DD/E/841 (ECO)	PL-C 13W/841/4P/ALTO
F18DBX/SPX27/4PL	CF18DD/E/827 (ECO)	PL-C 18W/827/4P/ALTO
F18DBX/SPX30/4PL	CF18DD/E/830 (ECO)	PL-C 18W/830/4P/ALTO
F18DBX/SPX35/4PL	CF18DD/E/835 (ECO)	PL-C 18W/835/4P/ALTO
F18DBX/SPX41/4PL	CF18DD/E/841 (ECO)	PL-C 18W/841/4P/ALTO
F26DBXT4/SPX27/4P	CF26DD/E/827 (ECO)	PL-C 26W/827/4P/ALTO
F26DBXT4/SPX30/4P	CF26DD/E/830 (ECO)	PL-C 26W/830/4P/ALTO
F26DBX/SPX35/4P	CF26DD/E/835 (ECO)	PL-C 26W/835/4P/ALTO
F26DBX/SPX41/4P	CF26DD/E/841 (ECO)	PL-C 26W/841/4P/ALTO
	DULUX T - 2 PIN	
---	CF18DT/827 (ECO)	---
---	CF26DT/827 (ECO)	---
	DULUX T/E - 4 PIN (NON-AMALGAM)	
---	CF13DT/E/827 (ECO)	---
---	CF13DT/E/830 (ECO)	---
---	CF13DT/E/835 (ECO)	---
---	CF13DT/E/841 (ECO)	---
---	CF26DT/E/827 (ECO)	---
---	CF32DT/E/827 (ECO)	---
	DULUX T/E/IN - 4 PIN (AMALGAM)	
F13TBX/SPX27/A/4P	---	---
F13TBX/SPX30/A/4P	---	---
F13TBX/SPX35/A/4P	---	---
F13TBX/SPX41/A/4P	---	---
F18TBX/SPX27/A/4P	CF18DT/E/IN/827 (ECO)	PL-T 18W/827/4P/ALTO
F18TBX/SPX30/A/4P	CF18DT/E/IN/830 (ECO)	PL-T 18W/830/4P/ALTO
F18TBX/SPX35/A/4P	CF18DT/E/IN/835 (ECO)	PL-T 18W/835/4P/ALTO
F18TBX/SPX41/A/4P	CF18DT/E/IN/841 (ECO)	PL-T 18W/841/4P/ALTO
F26TBX/SPX27/A/4P	CF26DT/E/IN/827 (ECO)	PL-T 26W/827/4P/ALTO
F26TBX/SPX30/A/4P	CF26DT/E/IN/830 (ECO)	PL-T 26W/830/4P/ALTO
F26TBX/SPX35/A/4P	CF26DT/E/IN/835 (ECO)	PL-T 26W/835/4P/ALTO
F26TBX/SPX41/A/4P	CF26DT/E/IN/841 (ECO)	PL-T 26W/841/4P/ALTO
F32TBX/SPX27/A/4P	CF32DT/E/IN/827 (ECO)	PL-T 32W/827/4P/ALTO
F32TBX/SPX30/A/4P	CF32DT/E/IN/830 (ECO)	PL-T 32W/830/4P/ALTO
F32TBX/SPX35/A/4P	CF32DT/E/IN/835 (ECO)	PL-T 32W/835/4P/ALTO
F32TBX/SPX41/A/4P	CF32DT/E/IN/841 (ECO)	PL-T 32W/841/4P/ALTO
F42TBX/827/A/4P/EOL	CF42DT/E/IN/827 (ECO)	PL-T 42W/827/4P/ALTO
F42QBX/SPX27/A/4P	---	F42QBX/SPX27/A/4P
F42TBX/830/A/4P/EOL	CF42DT/E/IN/830 (ECO)	PL-T 42W/830/4P/ALTO
F42QBX/SPX30/A/4P	---	---
F42TBX/835/A/4P/EOL	CF42DT/E/IN/835 (ECO)	PL-T 42W/835/4P/ALTO
F42QBX/SPX35/A/4P	---	---
F42TBX/841/A/4P/EOL	CF42DT/E/IN/841 (ECO)	PL-T 42W/841/4P/ALTO
F42QBX/SPX41/A/4P	---	---
---	CF57DT/E/IN/827 (ECO)	---
---	CF57DT/E/IN/830 (ECO)	---
F57QBX/830/A/4P/EOL	---	---
---	CF57DT/E/IN/835 (ECO)	---
F57QBX/835/A/4P/EOL	---	---
---	CF57DT/E/IN/841 (ECO)	---
F57QBX/841/A/4P/EOL	---	---
F57QBX/850/A/4P/EOL	---	---
	DULUX L - 4 PIN	
F18BX/SPX30	FT18DL/830	PL-L 18W/830
F18BX/SPX30/RS	FT18DL/830/RS	---
F18BX/SPX35	FT18DL/835	PL-L 18W/835
F18BX/SPX35/RS	FT18DL/835/RS	---
F18BX/SPX41	FT18DL/841	PL-L 18W/841
F18BX/SPX41/RS	FT18DL/841/RS	---
F27BX/SPX30/RS	FT24DL/830	PL-L 24W/830

Manufacturers' Cross Reference Guide (continued)

COMPACT FLUORESCENT LAMPS

GE	SYLVANIA	PHILIPS
	DULUX L - 4 PIN (continued)	
F27BX/SPX35/RS	FT24DL/835	PL-L 24W/835
F27BX/SPX41/RS	FT24DL/841	PL-L 24W/841
F39BX/SPX30/RS	FT36DL/830	PL-L 36W/830
F39BX/SPX35/RS	FT36DL/835	PL-L 36W/835
F39BX/SPX41/RS	FT36DL/841	PL-L 36W/841
F40/30BX/SPX30	FT40DL/830/RS	PL-L 40W/830/RS
F40/30BX/SPX35	FT40DL/835/RS	PL-L 40W/835/RS
F40/30BX/SPX41	FT40DL/841/RS	PL-L 40W/841/RS
F50BX/SPX30/RS	---	PL-L 50W/830/RS
F50BX/SPX35/RS	---	PL-L 50W/835/RS
F50BX/SPX41/RS	---	PL-L 50W/841/RS
F55BX/830	FT55DL/830	---
F55BX/835	FT55DL/835	---
F55BX/841	FT55DL/841	---
---	FT80DL/830	PL-L 80W/830
---	FT80DL/835	PL-L 80W/835
---	FT80DL/841	PL-L 80W/841
	DULUX F - 4 PIN	
---	CF18DF/830	---
---	CF18DF/841	---
---	CF24DF/830	---
---	CF24DF/841	---
---	CF36DF/830	---
---	CF36DF/841	---



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Manufacturers' Cross Reference (continued)

ELECTRONIC FLUORESCENT LAMP BALLASTS

ADVANCE	SYLVANIA	UNIVERSAL LIGHTING TECHNOLOGIES (formerly Magnetek)*	HOWARD INDUSTRIES
QUICKTRONIC® 32 T8 INSTANT START			
32 T8 Instant Start - Normal Ballast Factor - Small Can - <20% THD			
REL-1P32-SC	QT1x32T8/120ISN-SC	B132I120RH-A	E1/32IS-120SC
VEL-1P32-SC	QT1x32T8/277ISN-SC	B132I277RH-A	E1/32IS-277SC
REL-2P32-SC	QT2x32T8/120ISN-SC	B232I120RH-A	E2/32IS-120SC
VEL-2P32-SC	QT2x32T8/277ISN-SC	B232I277RH-A	E2/32IS-277SC
REL-3P32-SC	QT3x32T8/120ISN-SC	B332I120RH-A	E3/32IS-120SC
VEL-3P32-SC	QT3x32T8/277ISN-SC	B332I277RH-A	E3/32IS-277SC
REL-4P32-SC	QT4x32T8/120ISN-SC	B432I120RH-A	E4/32IS-120SC
VEL-4P32-SC	QT4x32T8/277ISN-SC	B432I277RH-A	E4/32IS-277SC
GEL-2P32-SC	QT2x32T8/347ISN-SC	B232I347RH (F-Can)	E2/32IS-347 (F-Can)
GEL-4P32-RH-TP (F-Can)	QT4x32T8/347ISN-SC	B432I347RH (F-Can)	E4/32IS-347 (F-Can)
32 T8 Instant Start - Normal Ballast Factor - Standard "F" Can - <20% THD			
REL-3P32-RH-TP	QT3x32/120IS	B332I120RH	E3/32IS-120
VEL-3P32-RH-TP	QT3x32/277IS	B332I277RH	E3/32IS-277
REL-4P32-RH-TP	QT4x32/120IS	B432I120RH	E4/32IS-120
VEL-4P32-RH-TP	QT4x32/277IS	B432I277RH	E4/32IS-277
GEL-3P32-RH-TP	QT3x32/347IS	B332I347RH	E3/32IS-347
GEL-4P32-RH-TP	QT4x32/347IS	B432I347RH	E4/32IS-347
32 T8 Instant Start - High Ballast Factor - "PLUS" High Light Output Systems - Small Can/Standard "F" Can - <20% THD			
(High Ballast Factor ballasts may vary greatly in ballast factor between manufacturers/models - please refer to actual specs for details)			
REL-2P32-HL-SC	QT2x32T8/120ISH-SC	B232I120RHH	EH2/32IS-120
VEL-2P32-HL-SC	QT2x32T8/277ISH-SC	B232I277RHH	EH2/32IS-277
REL-3P32-HL	QT3x32/120PLUS	B332I120RHH	EH3/32IS-120
VEL-3P32-HL	QT3x32/277PLUS	B332I277RHH	EH3/32IS-277
32 T8 Instant Start - Low Ballast Factor - Low Power(LP/ISL)Systems - SmallCan/Standard "F" Can - <20%THD			
REL-1P32-LW-SC	QT1x32T8/120ISL-SC	N/A	EL1/32IS-120
VEL-1P32-LW-SC	QT1x32T8/277ISL-SC	N/A	EL1/32IS-277
REL-2P32-LW-SC	QT2x32T8/120ISL-SC	B232I120L-A	EL2/32IS-120
VEL-2P32-LW-SC	QT2x32T8/277ISL-SC	B232I277L-A	EL2/32IS-277
REL-3P32-LW-SC	QT3x32T8/120ISL-SC	B332I120L-A	EL3/32IS-120
VEL-3P32-LW-SC	QT3x32T8/277ISL-SC	B332I277L-A	EL3/32IS-277
REL-4P32-LW-RH-TP	QT4x32/120LP	B432I120L	EL4/32IS-120
VEL-4P32-LW-RH-TP	QT4x32/277LP	B432I277L	EL4/32IS-277
GEL-2P32-LW-RH-TP	QT2x32T8/347ISL-SC	B232I347L	N/A
GEL-4P32-LW-RH-TP	QT4x32/347LP	B432I347L	N/A
QUICKTRONIC® PROFESSIONAL 32 T8 INSTANT START UNIVERSAL VOLTAGE SYSTEMS			
32 T8 Instant Start - Normal Ballast Factor - Small Can - <10%THD			
ICN-1P32-SC	QTP1x32T8/UNVISN-SC	B132IUNVHP-B	EP1/32IS/120-277
ICN-2P32-SC	QTP2x32T8/UNVISN-SC	B232IUNVHP-B	EP2/32IS/120-277
ICN-3P32-SC	QTP3x32T8/UNVISN-SC	B332IUNVHP-A	EP3/32IS/120-277
ICN-4P32-SC	QTP4x32T8/UNVISN-SC	B432IUNVHP-A	EP4/32IS/120-277
ADVANCE	SYLVANIA	UNIVERSAL LIGHTING TECHNOLOGIES (formerly Magnetek)*	GE GENERAL ELECTRIC
32 T8 High Efficiency Instant Start - Normal Ballast Factor - Small Can - <10%THD			
N/A	QHE 1X32T8/UNV ISN-SC	N/A	GE-132-MAX-N/ULTRA
N/A	QHE 2X32T8/UNV ISN-SC	B232IUNVHE-A	GE-232-MAX-N/ULTRA
N/A	QHE 3X32T8/UNV ISN-SC	B332IUNVHE-A	GE-332-MAX-N/ULTRA
N/A	QHE 4X32T8/UNV ISN-SC	B432IUNVHE-A	GE-432-MAX-N/ULTRA
32 T8 High Efficiency Instant Start - Low Ballast Factor - Small Can - <10%THD			
N/A	QHE 1X32T8/UNV ISL-SC	N/A	GE-132-MAX-L/ULTRA
N/A	QHE 2X32T8/UNV ISL-SC	B232IUNVEL-A	GE-232-MAX-L/ULTRA
N/A	QHE 3X32T8/UNV ISL-SC	B332IUNVEL-A	GE-332-MAX-L/ULTRA
N/A	QHE 4X32T8/UNV ISL-SC	B432IUNVEL-A	GE-432-MAX-L/ULTRA
ADVANCE	SYLVANIA	UNIVERSAL LIGHTING TECHNOLOGIES (formerly Magnetek)*	HOWARD INDUSTRIES
QUICKTRONIC® PROFESSIONAL 32 T8 PROStart® UNIVERSAL VOLTAGE SYSTEMS			
32 T8 Programmed Rapid Start - Normal Ballast Factor - <10%THD			
N/A	QTP1x32T8/UNVPSN-TC	B132PUNVHP-A	N/A
N/A	QTP2x32T8/UNVPSN-TC	B232PUNVHP-A	N/A

Manufacturers' Cross Reference Guide (continued)

ELECTRONIC FLUORESCENT LAMP BALLASTS

ADVANCE	SYLVANIA	UNIVERSAL LIGHTING TECHNOLOGIES (formerly Magnetek)*	HOWARD INDUSTRIES
32 T8 Programmed Rapid Start - Normal Ballast Factor - <10%THD			
N/A	QTP3x32T8/UNVPSN-SC	B332PUNVHP-A	N/A
N/A	QTP4x32T8/UNVPSN-SC	B432PUNVHP-A	N/A
QUICKTRONIC® PROFESSIONAL 32 T8 PROStart® DEDICATED VOLTAGE SYSTEMS			
32 T8 Programmed Rapid Start - Normal Ballast Factor - <10% THD			
NOTE: UNV PSN models above replace Dedicated Voltage PSN models below.			
(Programmed RS, Program RS)			
RIC-132, RCN-1S32-SC	QTP1x32T8/120PSN-TC	B132P120RH	N/A
VIC-132, VCN-1S32-SC	QTP1x32T8/277PSN-TC	B132P277RH	N/A
RIC-2S32, RCN-2S32-SC	QTP2x32T8/120PSN-SC	B232P120RH	N/A
VIC-2S32, VCN-2S32-SC	QTP2x32T8/277PSN-SC	B232P277RH	N/A
RIC-3S32, RCN-3S32-SC	QTP3x32T8/120PSN-SC	B332P120RH	N/A
VIC-3S32, VCN-3S32-SC	QTP3x32T8/277PSN-SC	B332P277RH	N/A
RCN-4S32-SC	QTP4x32T8/120PSN-SC	B432P120RH	N/A
VCN-4S32-SC	QTP4x32T8/277PSN-SC	B432P277RH	N/A
QUICKTRONIC® 59 T8, 59 PLUS, and QUICKTRONIC® PROFESSIONAL 8 foot Systems			
59W F96 T8 Instant Start - Normal Ballast Factor - <20% THD			
REL-2P59-S-RH-TP	QT2x59/120IS	B259I120RH	E2/59IS-120
VEL-2P59-S-RH-TP	QT2x59/277IS	B259I277RH	E2/59IS-277
GEL-2P59	QT2x59/347IS	N/A	N/A
59W F96 T8 Instant Start - High Ballast Factor (PLUS) Systems - <20% THD			
REL-2P59-HL	QT2x59/120PLUS	B259I120RHH	N/A
VEL-2P59-HL	QT2x59/277PLUS	B259I277RHH	N/A
59W F96 T8 Instant Start - Normal Ballast Factor - <10% THD			
RCN-2P59	QTP2x59T8/120ISN-A	B259I120HE	N/A
VCN-2P59	QTP2x59T8/277ISN-A	B259I277HE	N/A
QUICKTRONIC® PROFESSIONAL T5 HO PROStart® UNIVERSAL VOLTAGE SYSTEMS			
T5 HO - Normal Ballast Factor - <10% THD			
(Ballast Can Size varies between manufacturers - please refer to specifications for details)			
ICN-2S39 (1 Lamp)	QTP1x39-24T5HO/UNVPSN (FP39T5HO)	B239PUNV-D (1 Lamp)	N/A
ICN-2S39	QTP2x39-24T5HO/UNVPSN (FP39T5HO)	B239PUNV-D	N/A
ICN-2S24 (1 Lamp)	QTP1x39-24T5HO/UNVPSN (FP24T5HO)	B224PUNV-C (1 Lamp)	N/A
ICN-2S24	QTP2x39-24T5HO/UNVPSN (FP24T5HO)	B224PUNV-C	N/A
ICN-2S54 (1 Lamp)	QTP1x54T5HO/UNVPSN	B254PUNV-D (1 Lamp)	N/A
ICN-2S54	QTP2x54T5HO/UNVPSN	B254PUNV-D	N/A
ICN-1S80	QTP1x80T5HO/UNVPSN	N/A	N/A
QUICKTRONIC® PROFESSIONAL T5 PROStart® UNIVERSAL VOLTAGE SYSTEMS			
28W T5 - Normal Ballast Factor - <10% THD			
(Ballast Can Size varies between manufacturers - please refer to specifications for details)			
ICN-2S28 (1 Lamp)	QTP1x28T5/UNVPSN	B228PUNV-C (1 Lamp)	N/A
ICN-2S28	QTP2x28T5/UNVPSN	B228PUNV-C	N/A
QUICKTRONIC® Instant Start DL40			
40W TT5 Instant Start, Normal Ballast Factor - <20% THD			
N/A	QT1x40/120DL	C240I120RH, C240SI120RH (1 LAMP)	E1/40IS-TT-120
N/A	QT1x40/277DL	C240I277RH, C240SI277RH (1 LAMP)	E1/40IS-TT-277
N/A	QT2x40/120DL	C240I120RH, C240SI120RH	E2/40IS-TT-120
N/A	QT2x40/277DL	C240I277RH, C240SI277RH	E2/40IS-TT-277
N/A	QT3x40/120DL	C340I120RH, C340SI120RH	E3/40IS-TT-120
N/A	QT3x40/277DL	C340I277RH, C340SI277RH	E3/40IS-TT-277
QUICKTRONIC® PROFESSIONAL PROStart® DL40			
40W TT5 Programmed Rapid Start, Normal Ballast Factor - <10% THD			
REL-1TTS40	QTP1x40TT5/120PSN-F	N/A	N/A
VEL-1TTS40	QTP1x40TT5/277PSN-F	N/A	N/A
REL-2TTS40	QTP2x40TT5/120PSN-F	N/A	N/A
VEL-2TTS40	QTP2x40TT5/277PSN-F	N/A	N/A
N/A	QTP3x40TT5/120PSN-B	N/A	N/A
N/A	QTP3x40TT5/277PSN-B	N/A	N/A
QUICKTRONIC® PROFESSIONAL 32 T8 HELIOS® DIMMING - A list of 0-10V controllers is available from OSRAM SYLVANIA			
32 T8 Dimming Systems (0-10Vdc control) - 100-5% and 100-10% Dimming Range - <10% THD at full output, <20% THD at full dim			
RZT-132	QTP1x32T8/120DIM5-B	B132R120V5	N/A
VZT-132	QTP1x32T8/277DIM5-B	B132R277V5	N/A
RZT-2S32	QTP2x32T8/120DIM5-B	B232SR120V5	N/A

Manufacturers' Cross Reference (continued)

ELECTRONIC FLUORESCENT LAMP BALLASTS

ADVANCE	SYLVANIA	UNIVERSAL LIGHTING TECHNOLOGIES (formerly Magnetek)*	HOWARD INDUSTRIES	
32 T8 Dimming Systems (0-10Vdc control) - 100-5% and 100-10% Dimming Range - <10% THD at full output, <20% THD at full dim (continued)				
VZT-2S32	QTP2x32T8/277DIM5-B	B232SR277V5	N/A	
RZT-3S32	QTP3x32T8/120DIM5-Q	B332SR120V5	N/A	
VZT-3S32	QTP3x32T8/277DIM5-Q	B332SR277V5	N/A	
N/A	QTP4x32T8/120DIM10-Q	N/A	N/A	
VZT-4S32	QTP4x32T8/277DIM10-Q	N/A	N/A	
QUICKTRONIC® PROFESSIONAL 54 T5 HO HELIOS™ DIMMING - A list of 0-10V controllers is available from OSRAM SYLVANIA				
54 T5 HO Dimming Systems (0-10Vdc control) - 100-1% Dimming Range -<10% THD at full output, <20% THD at full dim				
RZT-154	QT1x54/120PHO-DIM	N/A	N/A	
VZT-154	QT1x54/277PHO-DIM	N/A	N/A	
RZT-2S54	QT2x54/120PHO-DIM	N/A	N/A	
VZT-2S54	QT2x54/277PHO-DIM	N/A	N/A	
QUICKTRONIC® 8 foot T12 Systems				
96 T12 Instant Start - Normal Ballast Factor - Large Can (11.75"long) - <20% THD				
REL-2P60-S	QT2x96/120IS	B260I120RH	N/A	
VEL-2P75-S	QT2x96/277IS	B260I277RH	N/A	
96 T12/HO Rapid Start - Normal Ballast Factor - Large Can (11.75"long) - <20% THD				
REL-2S110	QT2x96/120HO	B295SR120HP	N/A	
VEL-2S110	QT2x96/277HO	B295SR277HP	N/A	
QUICKTRONIC® PROFESSIONAL 40 T12				
40 T12 Rapid Start - Normal Ballast Factor - <10% THD				
REL-1S40-RH-TP	QTP1x40T12/120RSN-B	B140R120HP	N/A	
VEL-1S40-RH-TP	QTP1x40T12/277RSN-B	B140R277HP	N/A	
RCN-2S40, REL-2S40-RH-TP	QTP2x40T12/120RSN-B	B240R120HP	N/A	
VCN-2S40, VEL-2S40-RH-TP	QTP2x40T12/277RSN-B	B240R277HP	N/A	
REL-3S40-RH-TP	QTP3x40T12/120RSN-B	B340R120HP	N/A	
VEL-3S40-RH-TP	QTP3x40T12/277RSN-B	B340R277HP	N/A	
QUICKTRONIC® PROFESSIONAL CF - UNIVERSAL VOLTAGE				
CF T4 ProStart® - Programmed RapidStart - Normal Ballast Factor - <10% THD				
CFL Products run multiple lamp combinations and have various mounting/case sizes. (refer to actual product specs)				
ADVANCE	SYLVANIA	UNIVERSAL LIGHTING TECHNOLOGIES (formerly Magnetek)*	HOWARD INDUSTRIES	ESI (Energy Savings Inc is no longer in business)
ICF-2S13-H1-LD	QTP1/2x13CF/UNVBS	C213UNV-BE	PSM213CQMVB	ES-2/1-CFQ-13/10-UNV-C
ICF-2S13-H1-LD	QTP1/2x13CF/UNVTS	C213UNV-SE	PSM213CQMV	ES-2/1-CFQ-13/10-UNV-D
ICF-2S18-H1-LD	QTP1/2x18CF/UNVBS	C218UNV-BE	PSM218CQMVB	ES-2/1-CFQ-18-UNV-C
ICF-2S18-H1-LD	QTP1/2x18CF/UNVTS	C218UNV-SE	PSM218CQMV	ES-2/1-CFQ-18-UNV-D
ICF-2S26-H1-LD	QTP2x26CF/UNVBS	C2642UNV-BE	PSG242TRMVB	ES-2/1-CFQ-26-UNV-C
ICF-2S26-H1-LD	QTP2x26CF/UNVTS	C2642UNV-SE	PSG242TRMV	ES-2/1-CFQ-26-UNV-D
ICF-2S42-M2-LS	QTP2x26/32/42CF/UNVBM	C242UNV-BE	PSG242TRMVB	ES-2-CFH-42/32/26-UNV-H
ICF-2S42-M2-BS	QTP2x26/32/42CF/UNVPM	C242UNV-BES	PSG242TRMVBS	N/A
ICF-2S42-M2-LD	QTP2x26/32/42CF/UNVTM	C242UNV-SE	N/A	ES-2-CFH-42/32/26-UNV-G
ICF-2S42-M2-LS	QTP1x57CF/UNVBM (1X57)	C242UNV-BE	N/A	N/A
ICF-1Q70-M3-LD	QTP1x57CF/UNVBM (1X70)	C242UNV-BE	N/A	N/A
ICF-2S42-M2-BS	QTP1x57CF/UNVPM (1X57)	C242UNV-BES	N/A	N/A
ICF-1Q70-M3-BS	QTP1x57CF/UNVPM (1X70)	C242UNV-BES	N/A	N/A

*MagneTek Lighting has changed it's name to Universal Lighting Technologies.

Manufacturers' Cross Reference Guide (continued)

MAGNETIC FLUORESCENT LAMP BALLASTS

ADVANCE	SYLVANIA	UNIVERSAL LIGHTING TECHNOLOGIES (formerly Magnetek)*	VALMONT
T12 RAPID START			
F30T12 Rapid Start - High Power Factor			
R2SP30TP Mark III	MB2x30/120RS-SRKN	573LTCP	8G3971W
V2SP30TP Mark III	MB2x30/277RS-SRKN	588LTCP	8G3972W
F40T12 Rapid Start - High Power Factor			
R140TP Mark III	MB1x40/120RS-SRKN	412LSLHTCP	8G1074W
V140TP Mark III	MB1x40/277RS-SRKN	458LSLHTCP	8G1084W
R2S40TP Mark III	MB2x40/120RS-SRKN	446LSLHTCP	8G1024W
V2S40TP Mark III	MB2x40/277RS-SRKN	443LSLHTCP	8G1034W
F40T12 Rapid Start - Normal Power Factor			
RL140TP	MB1x40/120RES-SRKN	413CTCP	8G1075
T12 INSTANT START SLIMLINE			
F48T12 Instant Start - High Power Factor			
SM2E40STP	MB2x48/120IS-SRKN	213TCP	8G1600W
VSM2E40STP	MB2x48/277IS-SRKN	532BRTCP	8G1710W
F96T12 Instant Start - High Power Factor			
RSM175STP	MB1x96/120IS-SRKN	822BRTCP	8G1762W
VSM175STP	MB1x96/277IS-SRKN	828BRTCP	8G1764W
R2E75STP Mark III	MB2x96/120IS-SRKN	806SLHTCP	8G1004W
V2E75STP Mark III	MB2x96/277IS-SRKN	827SLHTCP	8G1014W
T12/HO RAPID START			
F96T12/HO Rapid Start - High Power Factor			
RS110TP	MB1x96/HO/120RS-SRKN	481LHTCP	---
VS110TP	MB1x96/HO/277RS-SRKN	479LHTCP	---
R2S110TP Mark III	MB2x96/HO/120RS-SRKN	480SLHTCP	---
V2S110TP Mark III	MB2x96/HO/277RS-SRKN	487SLHTCP	---
RS110TP	MB1/2x48/96/HO/120RS-SRKN	490XLHTCP	---
T12/VHO RAPID START			
F96T12/VHO Rapid Start - High Power Factor			
RC2S102TP	MB1x96/VHO/120RS-SRKN	951STCP	---
VC2S102TP	MB1x96/VHO/277RS-SRKN	957STCP	---
RS2S200TP	MB2x96/VHO/120RS-SRKN	930KTCP	8G1201W
VS2S200TP	MB2x96/VHO/277RS-SRKN	937KTCP	8G1211W
T12/HO SIGN BALLASTS			
T12/HO Rapid Start			
ASB-0412-12-BL-TP	MSB-12-0412-TP	USB-0412-12	---
ASB-0620-24-BL-TP	MSB-24-0620-TP	USB-0816-14	---
ASB-1224-24-BL-TP	MSB-24-1224-TP	USB-1024-14	---
ASB-2040-24-BL-TP	MSB-24-2040-TP	USB-1632-24	---
ASB-1240-46-BL-TP	MSB-46-1240-TP	USB-2036-46	---
ASB-2448-46-BL-TP	MSB-46-2448-TP	USB-2048-46	---
T5, T8 AND T12 PREHEAT/TRIGGER START			
F8T5 Preheat Start - Normal Power Factor			
LSX113TP	MB1x8/120PH/TP/S	---	---
F15T12 Trigger Start - Normal Power Factor			
RLQ120TP	MB1x15/120PH/TP	546BTCP	8G3560
F20T12 Preheat Start - Normal Power Factor			
LC1420CTP	MB1x20/120PH/TP	200H2P	---
LC1420C	MB1x20/120PH	200H2	89G457
F20T12 Trigger Start - Normal Power Factor			
RL2SP20TP	MB2x20/120PH/TP	447LRTCP	8G3912
T8 RAPID START			
F017T8 Rapid Start - Normal Power Factor			
---	MB1x17/120RS	707TCP	---
F025T8 or F032T8 Rapid Start - High Power Factor			
---	MB1x25/32/120RS-LW	M132R120	---
R1P825TP & R1P32TP Mark III	MB1x25/32/120RS-SRKN	727LTCP & M132R120	---
V1P825TP & V1P32TP Mark III	MB1x25/32/277RS-SRKN	728LTCP & M132R277C	---
R2P825TP & R2P32TP Mark III	MB2x25/32/120RS-SRKN	731LTCP & M232SR120C	---
V2P825TP & V2P32TP Mark III	MB2x25/32/277RS-SRKN	732LTCP & M232SR277C	---

Manufacturers' Cross Reference (continued)

MAGNETIC FLUORESCENT LAMP BALLASTS

ADVANCE	SYLVANIA	UNIVERSAL LIGHTING TECHNOLOGIES (formerly Magnetek)*	VALMONT
T9 CIRCLINE RAPID START			
FC8T9 Circline Rapid Start - Normal Power Factor			
RLQS122TPW	MB1x22/120CIRC	547RSWSTCP	8G1091G11
FC12T9 or FC16T9 Circline Rapid Start - Normal Power Factor			
RLCS140TPW	MB1x32/120CIRC	445RSWSTCP	8G1085G11

*MagneTek Lighting has changed it's name to Universal Lighting Technologies.

MAGNETIC HID LAMP BALLASTS

		UNIVERSAL LIGHTING TECHNOLOGIES (formerly Magnetek)*		VENTURE LIGHTING	HOWARD INDUSTRIES
ADVANCE	SYLVANIA	OLD PART NUMBER	NEW PART NUMBER		
METALARC® METAL HALIDE CORE & COIL BALLAST KITS					
35W Metal Halide Lamp - ANSI Code M130					
---	M35/MULTI-HQ/CI-KIT	---	---	---	---
71A5081	M35/120/277-KIT	---	---	---	---
50W Metal Halide Lamp - ANSI Code M110 or M148					
---	M50/MULTI-KIT	---	M50MLTLC3M & M50MLTLC3M-500K	V90D5731K	---
71A5181	M50/120/277-KIT	11310-236-500K	---	V90H5731K	---
70W Metal Halide Lamp - ANSI Code M98 or M143					
71A5292 & 71A5292-001D	M70/MULTI-KIT	11310-510-500K	M70MLTLC3M & M70MLTLC3M-500K	V90D5832K	---
71A5282	M70/120/277-KIT	---	---	V90H5832K	---
70W Metal Halide Lamp - ANSI Code M98 or M143 or M85					
---	M70/MULTI-HQ/CI-KIT	---	---	V90D5810K	---
100W Metal Halide Lamp - ANSI Code M90 or M140					
71A5390 & 71A5390-001D	M100/MULTI-KIT	11310-90-500K	M100MLTLC3M & M100MLTLC3M-500K	V90D5932K	M010071C511K
71A5380	M100/120/277-KIT	---	---	V90H5932K	---
150W Metal Halide Lamp, Medium Base - ANSI Code M102 or M142					
71A5492	M150/MULTI-PS-KIT	11310-543-500K	M150MLTLC3M & M150MLTLC3M-500K	V90D7130K	---
---	M150/MULTI-PS-CWA-KIT	---	---	V90D7110K	---
71A5482	M150/120/277-PS-KIT	---	---	---	---
150W Metal Halide Lamp, Double-Ended - ANSI Code M81					
71A5490	M150/MULTI-KIT	11310-177-500K	M150MLTLC3D & M150MLTLC3D-500K	---	---
175W Metal Halide Lamp - ANSI Code M57 or Mercury Lamp - ANSI Code H39					
---	M175/SUPER5-KIT	---	M175ML5AC3M & M175ML5AC3M-500K	---	---
71A5590 & 71A5570-001D	M175/MULTI-KIT	1130-91R-500K	M175MLTAC3M & M175MLTAC3M-500K	V90D6111K	M017571C211K
71A5540 & 71A5540-001D	M175/480-KIT	1130-31-500K	---	---	---
71A5540T	M175/480/120T-KIT	---	M17548TAC3M & M17548TAC3M-500K	---	---
71A5580	M175/120/277-KIT	1130-245R-500K	---	---	---
175W Metal Halide Pulse Start Lamp - ANSI Code M137					
71A5593 & 71A5593-001D	M175/MULTI-PS-KIT	---	P175MLTAC3M & P175MLTAC3M-500K	V90D7210K	---
---	M175/480-PS-KIT	---	---	---	---
200W Metal Halide Pulse Start Lamp - ANSI Code M136					
71A5692 & 71A5692-001D	M200/MULTI-PS-KIT	---	P200MLTAC3M & P200MLTAC3M-500K	V90D7310K	---
---	M200/480/-PS-KIT	---	---	---	---
71A5642T	M200/480/120T-PS-KIT	---	P20048TAC3M & P20048TAC3M-500K	V90Y7310TK	---

Manufacturers' Cross Reference Guide (continued)

MAGNETIC HID LAMP BALLASTS

		UNIVERSAL LIGHTING TECHNOLOGIES (formerly Magnetek)*			
ADVANCE	SYLVANIA	OLD PART NUMBER	NEW PART NUMBER	VENTURE LIGHTING	HOWARD INDUSTRIES
250W Metal Halide Lamp - ANSI Code M58 or Mercury Lamp - ANSI Code H37					
71A5750 & 71A5750-001D	M250/SUPER5-KIT	---	M250ML5AC4M & M250ML5AC4M-500K	---	---
71A5790 & 71A5770-001D	M250/MULTI-KIT	1130-92R-500K	M250MLTAC4M & M250MLTAC4M-500K	V90D6212K	M025071C211K
71A5740 & 71A5740-001D	M250/480-KIT	1130-32R-500K	---	---	M025011C211K
71A5740T	M250/480/120T-KIT	---	M25048TAC4M & M25048TAC4M-500K	V90Y6212TK	---
71A5791 & 71A5771-001D	M250/MULTI 3X4-KIT	1130-92-500K	M250MLTAC3M & M250MLTAC3M-500K	V90D6211K	---
71A5741 & 71A5741-001D	M250/480-3X4-KIT	1130-32-500K	---	V90Y6211K	---
250W Metal Halide Lamp - ANSI Code M80					
71A5880	M250/120/277-KIT	---	---	---	---
250W Metal Halide Pulse Start Lamp - ANSI Code M138					
---	M250/SUPER5-PS-KIT	---	---	---	---
71A5792 & 71A5792-001D	M250/MULTI-PS-KIT	---	P250MLTAC4M & P250MLTAC4M-500K	V90D8410K	M025071C611K
---	M250/480-PS-KIT	---	---	---	---
---	M250/480/120T-PS-KIT	---	P25048TAC4M & P25048TAC4M-500K	---	---
320W Metal Halide Pulse Start Lamp - ANSI Code M132					
71A5892 & 71A5892-001D	M320/MULTI-PS-KIT	---	P320MLTAC4M & P320MLTAC4M-500K	V90D7411K	M032071C611K
---	M320/480-PS-KIT	---	---	---	---
71A5842T	M320/480/120T-PS-KIT	---	P32048TAC4M & P32048TAC4M-500K	V90Y7411TK	---
350W Metal Halide Pulse Start Lamp - ANSI Code M131					
71A5993 & 71A5993-001D	M350/MULTI-PS-KIT	---	P350MLTAC4M & P350MLTAC4M-500K	V90D7512K	M035071C611K
---	M350/480-PS-KIT	---	---	---	---
71A5943T	M350/480/120T-PS-KIT	---	P35048TAC4M & P35048TAC4M-500K	V90Y7512TK	---
400W Metal Halide Lamp - ANSI Code M59 or Mercury Lamp - ANSI Code H33					
71A6051 & 71A6051-001D	M400/SUPER5-KIT	---	M400ML5AC4M & M400ML5AC4M-500K	---	M040081C211K
71A6091 & 71A6071-001D	M400/MULTI-KIT	1130-93R-500K	M400MLTAC4M & M400MLTAC4M-500K	V90D6413K	M040071C211K
71A6041 & 71A6041-001D	M400/480-KIT	1130-33R-500K	---	---	M040011C211K
71A6041T	M400/480/120T-KIT	---	M40048TAC4M & M40048TAC4M-500K	V90Y6413TK	---
400W Metal Halide Pulse Start Lamp - ANSI Code M135					
---	M2x400/120/240-KIT	---	---	---	---
---	M400/SUPER5-PS-KIT	---	---	---	---
71A6092 & 71A6092-001D	M400/MULTI-PS-KIT	---	P400MLTAC4M & P400MLTAC4M-500K	V90D7612K	M040071C611K
---	M400/480-PS-KIT	---	---	---	---
71A6042T	M400/480/120T-PS-KIT	---	P40048TAC4M & P40048TAC4M-500K	V90Y7612TK	---
450W Metal Halide Pulse Start Lamp - ANSI Code M144					
71A6393	M450/MULTI-PS-KIT	---	P450MLTAC4M & P450MLTAC4M-500K	V90D8512K	---
---	M450/480-PS-KIT	---	---	---	---
71A6343T	M450/480/120T-PS-KIT	---	---	V90Y8511TK	---
750W Metal Halide Pulse Start Lamp - ANSI Code M149					
71A64E2	M750/MULTI-PS-KIT	---	P750MLTAC5M & P750MLTAC5M-500K	V90D7910K	---
71A64F2T	M750/120/277/347/480-PS-KIT	---	---	V90J7910K	---
---	M750/480-PS-KIT	---	---	---	---
1000W Metal Halide Lamp - ANSI Code M47 or Mercury Lamp - ANSI Code H36					
71A6552 & 71A6552-001	M1000/SUPER5-KIT	---	M1000ML5AC5M & M1000ML5AC5M-500K	V90AM6514K	---

Manufacturers' Cross Reference (continued)

MAGNETIC HID LAMP BALLASTS

		UNIVERSAL LIGHTING TECHNOLOGIES (formerly Magnetek)*		VENTURE LIGHTING	HOWARD INDUSTRIES
ADVANCE	SYLVANIA	OLD PART NUMBER	NEW PART NUMBER		
1000W Metal Halide Lamp - ANSI Code M47 or Mercury Lamp - ANSI Code H36 (continued)					
71A6592 & 71A6572-001	M1000/MULTI-KIT	1130-97-500K	M1000MLTAC5M & M1000MLTAC5M-500K	V90D6514K	M0100071C212K
71A6542 & 71A6542-001	M1000/480-KIT	1130-57-500K	M1000480AC5M & M1000480AC5M-500K	---	M0100011C212K
71A6542T	M1000/480/120T-KIT	---	M100048TAC5M & M100048TAC5M-500K	V90Y6514TK	---
1000W HQI Metal Halide Lamp					
---	M1000/MULTI-HQI-KIT	---	---	---	---
1000W Metal Halide Pulse Start Lamp - ANSI Code M141					
71A6593	M1000/MULTI-PS-KIT	---	P1000MLTAC5M & P1000MLTAC5M-500K	V90D7810K	---
71A65F3T	M1000/120/277/347/480-PS-KIT	---	---	V90J7810K	---
---	M1000/480-PS-KIT	---	---	---	---
1500W Metal Halide Lamp - ANSI Code M48					
71A6792 & 71A6772-001	M1500/MULTI-KIT	1130-99R-500K	M1500MLTAC5M & M1500MLTAC5M-500K	V90D6612K	M0150071C212K
71A6742 & 71A6742-001	M1500/480-KIT	1130-69R-500K	M1500480AC5M & M1500480AC5M-500K	---	M0150011C212K
---	M1500/480/120T-KIT	---	M150048TAC5M & M150048TAC5M-500K	V90Y6612TK	---
2000W HQI Metal Halide Lamp					
---	M2000/277/347/480-HQI-RL-KIT	---	---	---	---
METALARC® METAL HALIDE F-CAN HID BALLASTS					
35W Metal Halide Lamp - ANSI Code M130					
72C5081-NP	M35/120/277/F-CAN	---	---	---	---
50W Metal Halide Lamp - ANSI Code M110					
72C5181-NP&72C5181-NP-001	M50/120/277/F-CAN	---	11210-236C-TC	---	---
70W Metal Halide Lamp - ANSI Code M139					
72C5281-NP	M70/120/277/F-CAN	---	---	---	---
70W Metal Halide Lamp - ANSI Code M98 or M143					
72C5282-NP&72C5282-NP-001	M70/120/277/F-CAN	---	11210-506C-TC	---	---
100W Metal Halide Lamp - ANSI Code M90 or M140					
72C5381-NP&72C5381-NP-001	M100/120/277/F-CAN	---	11210-239C-TC	---	---
150W Metal Halide Lamp, Medium Base - ANSI Code M102 or M142					
---	M150-PS/120/277/F-CAN	---	---	---	---
175W Metal Halide Lamp - ANSI Code M57 or Mercury Lamp - ANSI Code H39					
72C5581-NP&72C5581-NP-001	M175/120/277/F-CAN	---	1110-245SC-TC	---	---
175W Metal Halide Pulse Start Lamp - ANSI Code M137					
72C5582-NP&72C5582-NP-001	M175-PS/120/277/F-CAN	---	---	---	---
200W Metal Halide Pulse Start Lamp - ANSI Code M136					
---	M200-PS/120/277/F-CAN	---	---	---	---
250W Metal Halide Lamp - ANSI Code M58 or Mercury Lamp ANSI Code H37					
72C5782-NP&72C5782-NP-001	M250/120/277/F-CAN	---	1110-246C-TC	---	---
250W Metal Halide Pulse Start Lamp - ANSI Code M138					
72C5783-NP&72C5783-NP-001	M250-PS/120/277/F-CAN	---	---	---	---
320W Metal Halide Pulse Start Lamp - ANSI Code M132					
72C5882-NP&72C5882-NP-001	M320-PS/120/277/F-CAN	---	P320277AFXM	---	---
400W Metal Halide Lamp - ANSI Code M59 or Mercury Lamp - ANSI Code H33					
72C6082-NP&72C6082-NP-001	M400/120/277/F-CAN	---	1110-247SC-TC	---	---
400W Metal Halide Pulse Start Lamp - ANSI Code M135					
72C6182-NP&72C6182-NP-001	M400-PS/120/277/F-CAN	---	---	---	---
METALARC® METAL HALIDE INDOOR ENCLOSED HID BALLASTS					
175W Metal Halide Lamp - ANSI Code M57 or Mercury Lamp - ANSI Code H39					
78E5590-001	M175/MULTI-I/D	---	337-1770	---	---
250W Metal Halide Lamp - ANSI Code M58 or Mercury Lamp - ANSI Code H37					
78E5790-001	M250/MULTI-I/D	---	337-1750	---	---
400W Metal Halide Lamp - ANSI Code M59 or Mercury Lamp - ANSI Code H33					
78E6091-001	M400/MULTI-I/D	---	337-1780	---	---
1000W Metal Halide Lamp - ANSI Code M47 or Mercury Lamp - ANSI Code H36					
78E6592-001	M1000/MULTI-I/D	---	337-1790	---	---

Manufacturers' Cross Reference Guide (continued)

MAGNETIC HID LAMP BALLASTS

		UNIVERSAL LIGHTING TECHNOLOGIES (formerly Magnetek)*		VENTURE LIGHTING	HOWARD INDUSTRIES
ADVANCE	SYLVANIA	OLD PART NUMBER	NEW PART NUMBER		
LUMALUX® HIGH PRESSURE SODIUM CORE & COIL REACTOR BALLASTS					
35W High Pressure Sodium Lamp - ANSI Code S76					
71A7707	LU35/120R	1233-251U	---	---	---
71A7707B	LU35/120R-INT	---	---	---	---
50W High Pressure Sodium Lamp - ANSI Code S68					
71A7807	LU50/120R	1233-35U	---	---	---
71A7807B	LU50/120R-INT	---	---	---	---
70W High Pressure Sodium Lamp - ANSI Code S62					
71A7907	LU70/120R	1233-142U	---	---	---
71A7907B	LU70/120R-INT	---	---	---	---
100W High Pressure Sodium Lamp - ANSI Code S54					
71A8007	LU100/120R	1233-10U	---	---	---
71A8007B	LU100/120R-INT	---	---	---	---
150W High Pressure Sodium Lamp - ANSI Code S55					
71A8107	LU150/120R	1233-154U	---	---	---
71A8107B	LU150/120R-INT	---	---	---	---
LUMALUX® HIGH PRESSURE SODIUM CORE & COIL BALLAST KITS					
35W High Pressure Sodium Lamp - ANSI Code S76					
---	LU35/120/240-KIT	---	---	---	---
50W High Pressure Sodium Lamp - ANSI Code S68					
71A7801 & 71A7801-001D	LU50/120/277-KIT	12310-236-500K	---	V90H1132K	---
70W High Pressure Sodium Lamp - ANSI Code S62					
71A7991 & 71A7971-001D	LU70/MULTI-KIT	12310-153-500K	S70MLTLC3M & S70MLTLC3M-500K	V90D1233K	S007071C511K
71A7941	LU70/480-KIT	12310-148R-500K	---	---	---
71A7901	LU70/120/277-KIT	12310-237-500K	---	---	---
100W High Pressure Sodium Lamp - ANSI Code S54					
71A8091 & 71A8071-001D	LU100/MULTI-KIT	12310-90-500K	S100MLTLC3M & S100MLTLC3M-500K	V90D1333K	S010071C511K
71A8041 & 71A8041-001D	LU100/480-KIT	12310-30R-500K	---	---	---
71A8001	LU100/120/277-KIT	12310-239-500K	---	---	---
150W High Pressure Sodium Lamp - ANSI Code S55					
71A8192 & 71A8172-001D	LU150/MULTI-KIT	12310-165-500K	S150MLTLC3M & S150MLTLC3M-500K	V90D1435K	S015071C511K
71A8142 & 71A8142-001D	LU150/480-KIT	12310-160S-500K	---	---	---
71A8142T	LU150/480/120T-KIT		S15048TLC3M & S15048TLC3M-500K	---	---
71A8102	LU150/120/277-KIT	12310-241-500K	---	---	---
71A8148	LU150/480-CWA-KIT	---	---	---	---
200W High Pressure Sodium Lamp - ANSI Code S66					
71A8990 & 71A8970-001D	LU200/MULTI-KIT	1230-190-500K	S200MLTAC4M & S200MLTAC4M-500K	V90D1610K	---
71A8940 & 71A8940-001D	LU200/480-KIT	1230-186-500K	---	---	---
250W High Pressure Sodium Lamp - ANSI Code S50					
71A8251 & 71A8251-001D	LU250/SUPER5-KIT	---	S250ML5AC4M & S250ML5AC4M-500K	---	---
71A8291 & 71A8271-001D	LU250/MULTI-KIT	1230-92S-500K	S250MLTAC4M & S250MLTAC4M-500K	V90D1711K	S025071C211K
71A8241 & 71A8241-001D	LU250/480-KIT	1230-32S-500K	---	---	---
71A8241T	LU250/480/120T-KIT		S25048TAC4M & S25048TAC4M-500K	---	---
71A8281	LU250/120/277-KIT	1230-246S-500K	---	---	---
310W High Pressure Sodium Lamp - ANSI Code S67					
71A8391 & 71A8371-001D	LU310/MULTI-KIT	---	---	V90D1810K	---
71A8341	LU310/480-KIT	---	---	---	---
400W High Pressure Sodium Lamp - ANSI Code S51					
71A8453 & 71A8453-001D	LU400/SUPER5-KIT	---	S400ML5AC4M & S400ML5AC4M-500K	---	---
71A8493 & 71A8473-001D	LU400/MULTI-KIT	1230-93U-500K	S400MLTAC4M & S400MLTAC4M-500K	V90D1911K / V90D1912K	S040071C211K
71A8443 & 71A8443-001D	LU400/480-KIT	1230-33U-500K	---	---	S040011C211K

Manufacturers' Cross Reference (continued)

MAGNETIC HID LAMP BALLASTS

		UNIVERSAL LIGHTING TECHNOLOGIES (formerly Magnetek)*		VENTURE LIGHTING	HOWARD INDUSTRIES
ADVANCE	SYLVANIA	OLD PART NUMBER	NEW PART NUMBER		
400W High Pressure Sodium Lamp - ANSI Code S51 (continued)					
71A8443T	LU400/480/120T-KIT	---	S40048TAC4M & S40048TAC4M-500K	---	---
---	LU400/120/277-KIT	---	---	---	---
750W High Pressure Sodium Lamp - ANSI Code S111					
71A86E5	LU750/MULTI-KIT	---	---	---	---
---	LU750/480-KIT	---	---	---	---
1000W High Pressure Sodium Lamp - ANSI Code S52					
71A8753 & 71A8753-001	LU1000/SUPER5-KIT	---	S1000ML5AC5M & S1000ML5AC5M-500K	---	---
71A8793 & 71A8773-001	LU1000/MULTI-KIT	1230-97S-500K	S1000MLTAC5M & S1000MLTAC5M-500K	V90D2311K	S100071C211K
71A8743 & 71A8743-001	LU1000/480-KIT	1230-57S-500K	---	---	S100011C211K
LUMALUX® HIGH PRESSURE SODIUM F-CAN HID BALLASTS					
35W High Pressure Sodium Lamp - ANSI Code S76					
---	LU35/120/277/F-CAN	---	12210-261C-TC	---	---
50W High Pressure Sodium Lamp - ANSI Code S68					
72C7884-NP & 72C7884-NP-001	LU50/120/277/F-CAN	---	12210-236C-TC	---	---
70W High Pressure Sodium Lamp - ANSI Code S62					
72C7984-NP & 72C7984-NP-001	LU70/120/277/F-CAN	---	12210-237C-TC	---	---
100W High Pressure Sodium Lamp - ANSI Code S54					
72C8084-NP & 72C8084-NP-001	LU100/120/277/F-CAN	---	12210-239C-TC	---	---
150W High Pressure Sodium Lamp - ANSI Code S55					
---	LU150/120/277/F-CAN	---	---	---	---
250W High Pressure Sodium Lamp - ANSI Code S50					
---	LU250/120/277/F-CAN	---	1220-246C-TC	---	---
400W High Pressure Sodium Lamp - ANSI Code S51					
---	LU400/120/277/F-CAN	---	---	---	---
MERCURY CORE & COIL BALLAST KITS					
50W Mercury Lamp - ANSI Code H46					
---	H50/MULTI-KIT	---	---	---	---
75W Mercury Lamp - ANSI Code H43					
71A2080	H75/MULTI-KIT	---	---	---	---
100W Mercury Lamp - ANSI Code H38 or H44					
71A2591 & 71A2571-001D	H100/MULTI-KIT	1030-90R-500K	H100MLTAC3M & H100MLTAC3M-500K	---	---
---	H100/277-KIT	---	---	---	---
71A2501	H100/DUAL-KIT	---	---	---	---
175W Mercury Lamp - ANSI Code H39					
71A3092 & 71A3072-001D	H175/MULTI-KIT	1030-91-500K	H175MLTAC3M & H175MLTAC3M-500K	---	---
71A3042 & 71A3042 -001D	H175/480-KIT	1030-31-500K	---	---	---
250W Mercury Lamp - ANSI Code H37					
71A3592 & 71A3572-001D	H250/MULTI-KIT	1030-92-500K	H250MLTAC3M & H250MLTAC3M-500K	---	---
71A3542 & 71A3542-001D	H250/480-KIT	1030-32-500K	---	---	---
71A3542T	H250/480/120T-KIT	---	H25048TAC3M & H25048TAC3M-500K	---	---
400W Mercury Lamp - ANSI Code H33					
71A4091 & 71A4071-001D	H400/MULTI-KIT	1030-93-500K	H400MLTAC4M & H400MLTAC4M-500K	---	---
71A4041 & 71A4041-001D	H400/480-KIT	1030-33-500K	---	---	---
71A4041T	H400/480/120T-KIT	---	H40048TAC4M & H40048TAC4M-500K	---	---
---	H2X400/120-KIT	---	---	---	---
---	H2X400/277-KIT	---	---	---	---
1000W Mercury Lamp - ANSI Code H36					
71A5070-001	H1000/MULTI-KIT	1030-97-500K	H1000MLTAC5M & H1000MLTAC5M-500K	---	---
71A5040-001	H1000/480-KIT	1030-57-500K	---	---	---
*MagneTek Lighting has changed it's name to Universal Lighting Technologies.					

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Cross reference for International standards

French afnor standards	DIN Symbols	German werkstoff standards	British standards New	British standards Old	American standards	% Carbon
	9521	1,0711	220M07	En 1 A	1212	0,00/0,15
XC18	C15	1,0401	080M15		1015	0,12/0,18
XC25	C22	1,0402	070M20	EN3 A	1020	0,16/0,24
XC38	C35	1,0501	080A32	EN5 C	1035	0,30/0,35
50C30	C25	1,0406	070M26		1025	
			080M30	EN6		
60C40	C40	1,0511	080M40	EN8	1040	0,36/0,44
55C35	C22	1,0501	080A35 & 37	EN8 A & B	1035	0,33/0,38
XC42H1	CK40	1,1186	080A40	EN8C	1040	0,38/0,43
35MF6	35S20	1,0726	212M36	EN8M	1140	0,32/0,40
XC48	C45	1,0503	080M46	EN8	1045	0,42/0,50
XC38	C55	1,0535	070M55S	EN9	1055	0,52/0,60
32C4	34Cr4	1,7033	530A32	EN18B	5132	0,28/0,33
42CD4	42CrMo4	1,7225	708M40	EN19A	4140, 4142	0,36/0,44
35CD4	34CrMo4	1,7220	708A37	EN19B	4135, 4137	0,35/0,40
35NCD6	34CrNiMo6	1,6582	817M40	EN24	4340	0,36/0,44
35NCD14	32NiCrMo145	1,6746	0826M40	EN26		0,36/0,44
35NCD16	30NiCrMo166	1,6747	835M30	EN30B		0,26/0,34
100C6	100Cr6	1,3505	535A99	EN31	52100	1,20/1,60
			214M15	EN202		
34C10	C10	1,0301	045M10	EN32A	1010	0,07/0,13
	15S20	1,0723	212M15	EN32M		0,12/0,18
12NC15	14NiCr14	1,5752	655M13	EN36A	3415,3310,9314	0,10/0,16
16NCD17		1,6723	835M15	EN39B		0,12/0,18
30CD12	32CrMo12	1,7361	722M24	EN40B		0,20/0,28
XC48H1	CK50	1,1206	080M50	EN43A	1050	0,45/0,55
Z12CF13	X12CrS13	1,4005	416S21	EN56	416 (S/steel)	0,09/0,15
Z10CNF18.09	X10CrNiS189	1,4305	303S21	EN58	303 (S/steel)	
Z6CND17.12	X5CrNiMo17133	1,4436	316S16	EN58J	316 (S/steel)	
20NCD2	21NiCrMo2	1,6523	805M20			0,17/0,23

MARYLAND METRICS Technical Data Chart

A short general listing of popular materials

International Material Grade Comparison Table

The standards that correspond with DIN Material Numbers can only be compared approximately.
The use of these equivalents has to be evaluated on a case-by-case basis.

Steel								
Werkstoff	Germany	U.S.A.	France	Great Britain	Italy	Sweden	Spain	Japan
No.	DIN	AISI/SAE UNS	AFNOR	BS	UNI	SS	UNE	JIS
Plain Steel, Cast Steel, Free-Machining Steel								
1.0332	St14	1008		14491CR		1447		
1.1121	Ck10	1010	CC10	040A10		1264		S10C
1.0721	10S20	1108		210M15				
1.0401	C15	1015	CC12	080M15	C15C16	1350	F.111	S15C
1.0402	C22	1020	CC20	050A20	C20C21	1450	F.112	
1.1141	Ck15	1015	XC12	080M15	C16	1370	C15K	S15C
1.0036	USt37-3				FE37BFU			
1.0715	9SMn28	1213	S250	230M07	CF9SMn28	1912	11SMn28	SUM22
1.0718	9SMnPb28	12L3	S250Pb		CF9SMnPb28	1914	11SMnPb28	SUM22L
1.0501	C35	1035	CC35	060A35	C35	1550	F.113	S35C
1.0503	C45	1045	CC45	080M46	C45	1650	F.114	S45C
1.1158	Ck25	1025	XC25	070M25	C25			S25C
1.1183	Cf35	1035	XC38TS	060A35	C36	1572		S35C
1.1191	Ck45	1045	XC42	080M46	C45	1672	C45K	S45C
1.1213	Cf53	1050	XC48TS	060A52	C53	1674		S50C
1.5415	15Mo3	ASTMA204GrA	15D3	1501-240	16Mo3KW	2912	16Mo3	
1.5423	16Mo5	4520		1503-245-420	16Mo5		16Mo5	SB450M
1.0050	St50-2				FE50			SM50YA
1.7242	16CrMo 4		18CrMo4			18CrMo4		
1.7337	16CrMo 4 4	A387Gr.12Cl.			A18CrMo45KW			
1.7362	12CrMo 19 5		Z10CD5.05	3606-625	16CrMo205			
1.0060	St60-2				FE60-2			SM570
1.0535	C55	1055		070M55	C55	1655		S55C
1.0601	C60	1060	CC55	080A62	C60			S60C
1.1203	Ck55	1055	XC55	070M55	C50		C55K	S55C
1.1221	Ck60	1060	XC60	080A62	C60	1678		S58C
1.1545	C1051				C100KU			SK3
1.1545	C105W1				C100KU			SK3
1.0070	St70-2				FE70-2			
1.7238	49CrMo4							
1.7561	42CrV6							
1.7701	51CrMoV4		51CDV4		51CrMoV4			
Low-Alloy Steel, Cast Steel, Free-Machining Steel								
1.2067	100Cr6	L3	Y100C6	BL3			100Cr6	SUJ2
1.2210	115CrV3	L2	100C3		107CrV3KU			
1.2241	51CrV4							
1.2419	105WCr6		105WC13		10WCr6	2140	105WCr5	SKS31

Werkstoff	Germany	U.S.A.	France	Great Britain	Italy	Sweden	Spain	Japan
No.	DIN	AISI/SAE UNS	AFNOR	BS	UNI	SS	UNE	JIS
1.2419	105WCr6		105WC13		107WCr5KU			SKS31
1.2542	45WCrV7	S1		BS1	45WCrV8KU	2710	45WCrSi8	
1.2550	60WCrV7	S1	55WC20		58WCr9KU	~2710		
1.2713	55NiCrMoV6	L6	55NCDV7				F.520.S	SKH1;SKT4
1.2721	50NiCr13					~2550		
1.2762	75CrMoNiW67							
1.2762	75CrMoNiW67							
1.2842	90MnCrV8	O2	90MV8	BO2	88MnV8KU			
1.3505	100Cr6	52100	100C6	534A99	100Cr6	2258		SUJ2
1.5622	14Ni6	ASTMA350LF5	16N6		14Ni6		15Ni6	
1.5732	14NiCr10	3415	14NC11		16NiCr11		15NiCr11	SNC415(H)
1.5752	14NiCr14	3415;3310	12NC15	655M13				SNC815(H)
1.6511	36CrNiMo4	9840	40NCD3	816M40	38NiCrM04(KB)		33NiCrMo4	SNCM447
1.6523	21NiCrMo2	8620	20NCD2	805M20	20NiCrMo2	2506	20NiCrMo2	SNCM220(H)
1.6546	40NiCrMo22	8740		311-TYPE7	40NiCrM02(KB)		40NiCrMo2	SNCM240
1.6582	35CrNiMo6	4340	35NCD6	817M40	35NiCrMo6(KB)	2541		SNCM447
1.6587	17CrNiMo6		18NCD6	820A16			14NiCrMo13	
1.6657	14NiCrMo34			832M13	15NiCrMo13		14NiCrMo131	
1.7033	34Cr4	5132	32C4	530A32		34Cr4(KB)	35Cr4	SCR430(H)
1.7035	41Cr4	5140	42C4	530M40			42Cr4	SCR440(H)
1.7045	42Cr4	5140	42C4TS	530A40	41Cr4	2245	42Cr4	SCR440
1.7131	16MnCr5	5115	16MC5	(527M20)	16MnCr5	2511	16MnCr5	SCR415
1.7176	55Cr3	5155	55C3	527A60				SUP9(A)
1.7218	25CrMo4	4130	25CD4	1717CDS110	25CrMo4(KB)	2225	55Cr3	SM420;SCM430
1.7220	34CrMo4	4137;4135	35CD4	708A37	35CrMo4	2234	34CrMo4	SCM432;SCCRM3

Werkstoff	Germany	U.S.A.	France	Great Britain	Italy	Sweden	Spain	Japan
No.	DIN	AISI/SAE UNS	AFNOR	BS	UNI	SS	UNE	JIS
Plain Steel, Cast Steel, Free-Machining Steel								
1.0332	St14	1008		14491CR		1447		
1.1121	Ck10	1010	CC10	040A10		1264		S10C
1.0721	10S20	1108		210M15				
1.0401	C15	1015	CC12	080M15	C15C16	1350	F.111	S15C
1.0402	C22	1020	CC20	050A20	C20C21	1450	F.112	S20C,S22C
1.1141	Ck15	1015	XC12	080M15	C16	1370	C15K	S15C
1.0036	USt37-3				FE37BFU			
1.0715	9SMn28	1213	S250	230M07	CF9SMn28	1912	11SMn28	SUM22
1.0718	9SMnPb28	12L3	S250Pb		CF9SMnPb28	1914	11SMnPb28	SUM22L
1.0501	C35	1035	CC35	060A35	C35	1550	F.113	S35C
1.0503	C45	1045	CC45	080M46	C45	1650	F.114	S45C
1.1158	Ck25	1025	XC25	070M25	C25			S25C
1.1183	Cf35	1035	XC38TS	060A35	C36	1572		S35C
1.1191	Ck45	1045	XC42	080M46	C45	1672	C45K	S45C
1.1213	Cf53	1050	XC48TS	060A52	C53	1674		S50C

Werkstoff	Germany	U.S.A.	France	Great Britain	Italy	Sweden	Spain	Japan
No.	DIN	AISI/SAE UNS	AFNOR	BS	UNI	SS	UNE	JIS
1.5415	15Mo3	ASTMA204GrA	15D3	1501-240	16Mo3KW	2912	16Mo3	
1.5423	16Mo5	4520		1503-245-420	16Mo5		16Mo5	SB450M
1.0050	St50-2				FE50			SM50YA
1.7242	16CrMo 4		18CrMo4			18CrMo4		
1.7337	16CrMo 4 4	A387Gr.12Cl.			A18CrMo45KW			
1.7362	12CrMo 19 5		Z10CD5.05	3606-625	16CrMo205			
1.0060	St60-2				FE60-2			SM570
1.0535	C55	1055		070M55	C55	1655		S55C
1.0601	C60	1060	CC55	080A62	C60			S60C
1.1203	Ck55	1055	XC55	070M55	C50		C55K	S55C
1.1221	Ck60	1060	XC60	080A62	C60	1678		S58C
1.1545	C1051				C100KU			SK3
1.1545	C105W1				C100KU			SK3
1.0070	St70-2				FE70-2			
1.7238	49CrMo4							
1.7561	42CrV6							
1.7701	51CrMoV4		51CDV4		51CrMoV4			
Low-Alloy Steel, Cast Steel, Free-Machining Steel								
1.2067	100Cr6	L3	Y100C6	BL3			100Cr6	SUJ2
1.2210	115CrV3	L2	100C3		107CrV3KU			
1.2241	51CrV4							
1.2419	105WCr6		105WC13		10WCr6	2140	105WCr5	SKS31
1.2419	105WCr6		105WC13		107WCr5KU			SKS31
1.2542	45WCrV7	S1		BS1	45WCrV8KU	2710	45WCrSi8	
1.2550	60WCrV7	S1	55WC20		58WCr9KU	~2710		
1.2713	55NiCrMoV6	L6	55NCDV7				F.520.S	SKH1;SKT4
1.2721	50NiCr13					~2550		
1.2762	75CrMoNiW67							
1.2762	75CrMoNiW67							
1.2842	90MnCrV8	O2	90MV8	BO2	88MnV8KU			
1.3505	100Cr6	52100	100C6	534A99	100Cr6	2258		SUJ2
1.5622	14Ni6	ASTMA350LF5	16N6		14Ni6		15Ni6	
1.5732	14NiCr10	3415	14NC11		16NiCr11		15NiCr11	SNC415(H)
1.5752	14NiCr14	3415;3310	12NC15	655M13				SNC815(H)
1.6511	36CrNiMo4	9840	40NCD3	816M40	38NiCrM04(KB)		33NiCrMo4	SNCM447
1.6523	21NiCrMo2	8620	20NCD2	805M20	20NiCrMo2	2506	20NiCrMo2	SNCM220(H)
1.6546	40NiCrMo22	8740		311-TYPE7	40NiCrM02(KB)		40NiCrMo2	SNCM240
1.6582	35CrNiMo6	4340	35NCD6	817M40	35NiCrMo6(KB)	2541		SNCM447
1.6587	17CrNiMo6		18NCD6	820A16			14NiCrMo13	
1.6657	14NiCrMo34			832M13	15NiCrMo13		14NiCrMo131	
1.7033	34Cr4	5132	32C4	530A32		34Cr4(KB)	35Cr4	SCR430(H)
1.7035	41Cr4	5140	42C4	530M40			42Cr4	SCR440(H)
1.7045	42Cr4	5140	42C4TS	530A40	41Cr4	2245	42Cr4	SCR440
1.7131	16MnCr5	5115	16MC5	(527M20)	16MnCr5	2511	16MnCr5	SCR415

Werkstoff	Germany	U.S.A.	France	Great Britain	Italy	Sweden	Spain	Japan
No.	DIN	AISI/SAE UNS	AFNOR	BS	UNI	SS	UNE	JIS
1.7176	55Cr3	5155	55C3	527A60				SUP9(A)
1.7218	25CrMo4	4130	25CD4	1717CDS110	25CrMo4(KB)	2225	55Cr3	SM420;SCM430
1.7220	34CrMo4	4137;4135	35CD4	708A37	35CrMo4	2234	34CrMo4	SCM432;SCCRM3
Plain Steel, Cast Steel, Free-Machining Steel								
1.7223	41CrMo4	4140;4142	42CD4TS	708M40	41CrMo4	2244	42CrMo4	SCM440
1.7225	42CrMo4	4140	42CD4	708M40	42CrMo4	2244	42CrMo4	SCM440(H)
1.7262	15CrMo5		12CD4			2216	12CrMo4	SCM415(H)
1.7335	13CrMo4 4	ASTMA182	15CD3.5/4.5	1501-620-Gr27	14CrMo45		14CrMo45	SPVAF12
1.7361	32CrMo12		30CD12	722M24	32CrMo12	2240	F.124.A	
1.7380	10CrMo9 10	ASTMA182F.22 SPV		1501-622Gr31;45				
1.7715	14MoV6 3			1503-660-440			13MoCrV6	
1.8159	50CrV4	6150	50CrV4	735A50	50CrV4	2230	51CrV4	SUP10
1.8159	50CrV4	6150		735A50	51CrV4	2230		SUP10
1.3501	100Cr2	E50100	100C2					
1.5710	36NiCr6	3135	35NC6	640A35				SNC236
1.5736	36NiCr10	3435	30NC11					SNC631(H)
1.5755	31NiCr14	SNC836	18NC13	653M31				
1.7733	24CrMoV55		20CDV6		21CrMoV511			
1.7755	GS-45CrMoV104							
1.8070	21CrMoV511				35NiCr9			
1.8509	41CrALMo7	SACM645	40CAD6,12	905M39	41CrAlMo7	2940	41CrAlMo7	
1.8523	39CrMoV139			897M39	36CrMoV12			
1.2311	40CrMnMo7				35CrMo8KU			
1.4882	X50CrMnNiNbN219		Z50CMNNb21.09					
1.5864	35NiCr18							
High-Alloy Steel, Cast Steel								
1.2343	X38CrMoV51	H11	Z38CDV5	BH11	X37CrMoV51KU		X37CrMoV5	SKD6
1.2344	X40CrMoV51	H13	Z40CDV5	BH13	X40CrMoV511KU	2242	X40CrMoV5	SKD61
1.2379	X155CrVMo121	D2	Z160CDV12	BD2	X155CrVMo121KU			SKD11
1.2436	X210CrW12				X215CrW121KU	2312	X210CrW12	SKD2
1.2581	X30WCrV93	H21	Z30WCV9	BH21	X30WCrV93KU		X30WCrV9	SKD5
1.2601	X 165CrMoV12				X165CrMoW12KU	2310	X160CrMoV12	
1.2606	X37CrMoW 51	H12	Z35CWDV5	BH12	X35CrMoW05KU		F.537	SKD62
1.5662	X8Ni9	ASTMA353		1501.509; 50	X10Ni9		XBNI09	SL9N53
1.5680	12Ni19	2515	Z18N5					
1.3202	S12-1-4-5			BT15	HS12-1-5-5		12-1-5-5	
1.3207	S10-4-3-10		Z130WKCDV	BT42	HS10-4-3-10			SKH57
1.3243	S6-5-2-5	T15	KCV06-05-05-04-02		HS6-5-2-5	2723	6-5-2-5	SKH55
1.3246	S7-4-2-5		Z110WKCDV07-05-04		HS7-4-2-5	7-4-2-5	M35	
1.3247	S2-10-1-8		Z110DKCWV09-08-04	BM42	HS2-9-1-8	2-10-1-8	M41	SKH51
1.3249	S2-9-2-8	M42		BM34			2-9-2-8	
1.3343	S6-5-2	M35	Z85WDCV	BM2	HS6-5-2-5	2722		SKH9; SKH51
Stainless Steel, Cast Steel								
1.4000	X6Cr13	403	Z6C13	403S17	X6Cr3	2301	F.3110	SUS403

Werkstoff	Germany	U.S.A.	France	Great Britain	Italy	Sweden	Spain	Japan
No.	DIN	AISI/SAE UNS	AFNOR	BS	UNI	SS	UNE	JIS
1.4001	X6Cr14						F.8401	410S, 429
1.4002	X6CrAl13	405	Z8CA12	405S17	X6CrAl13			SUS405
1.4006	(G-)X10Cr13	SUS410	Z10C13	410S21	X12Cr13	2302	F.3401	SUS410
1.4016	X8Cr17	430	Z8C17	430S15	X8Cr17	2320	F.3113	SUS430
1.4021	X20Cr13	420	Z20C13	420S37	X20Cr13	2303		SUS420J1
1.4027	G-X20Cr14		Z20C13M	420C29				SCS2
1.4086	G-X120Cr29			452C11				
1.4104	X12CrMoS17	430F	Z10CF17	441S29	X10CrS17	2383	F.3117	SUS430F
1.4113	X6CrMo17	434	Z8CD1701	434S17	X8CrMo17	2325		SUS434
1.4340	G-X40CrNi274							
1.4417	X2CrNiMoSi195	S31500				2376		
1.4720	X20CrMo13							
1.4724	X10CrA113	405	Z10C13	403S17	X10CrA112		F.311	SUS405
1.4742	X10CrA118	430	Z10CAS18	430S15	X8Cr17		F.3113	SUS430
1.4762	X10CrA124	446	Z10CAS24		X16Cr26	2322		SUH446
1.4034	X46Cr13		Z40CM	420S45	X40Cr14	2304	F.3405	
1.4057	X20CrNi17	431	Z6CNi6.02	431S29	X16CrNi16	2321		SUS431
1.4125	X105CrMo17		Z100CD17		X 105CrMo17			SUS440C

Stainless Steel and Cast Iron

Werkstoff	Germany	U.S.A.	France	Great Britain	Italy	Sweden	Spain	Japan
No.	DIN	AISI/SAE UNS	AFNOR	BS	UNI	SS	UNE	JIS

Austenitic Stainless Steel

1.4301	X5CrNi189	304	Z6CN18.09	304S15	X5CrNi1810	2332	F.3551	SUS304
1.4310	X12CrNi177	301	Z12CN17.07	301S21	X2CrNi1807	2331	F.3517	SUS301
1.4311	X2CrNiN1810	304LN	Z2CN18.10	304S62	X2CrNiN1810	2371		SUS304LN
1.4312	G-X10CrNi188		Z10CN18.9M	302C25				
1.4350	X5CrNi189	304	Z6CN18.09	304S31	X5CrNi1810	2332/2333	F.3551	
1.4401	X5CrNiMo17122	316	Z6CND17.11	316S16	X5CrNiMo1712	2347	F.3543	SUS316
1.4404	X2CrNiMo1810	316L	Z2CND17.12	316S12	X2CrNiMo1712	2343/2348/2553		SUS316
1.4410	G-X10CrNiMo189		Z5CND20.12M					
1.4429	X2CrNiMoN17133	316LN	Z2CND17.13	316S63	X2CrNiMoN1713	2375		SUS316LN
1.4435	X2CrNiMo18143	316L	Z2CND17.12	316S13	X2CrNiMo1712	2353		SCS16
1.4436	X5CrNiMo17133	316	Z6CND18-12-03	316S33	X8CrNiMo1713	2343/2347		SUS316
1.4438	X2CrNiMo18164	317L	Z2CND19.15	317S12	X2CrNiMo1816	2367		SUS317L
1.4500	G-X7NiCrMoCuNb2520		Z3NCNDU25.20M					
1.4541	X10CrNiMoTi1810	321	Z6CNT18.10	321S12	X6CrNiTi1811	2337	F.3553F.3523	SUS321
1.4550	X10CrNiNb	347	Z6CNNb18.10	347S17	X6CrNiNb1811	2338	F.3552F.3524	SUS347
1.4552	G-X7CrNiNb189		Z4CNNb19.10M	347C17				
1.4571	X10CrNiMoTi1810	316Ti	Z6NDT17.12	320S17	X6CrNiMoTi1712	2350	F.3535	SUS316Ti
1.4583	X10CrNiMoNb1812	318	Z6CNDN1713B		X6CrNiMoNb			
1.4585	G-X7CrNiMoCuNb1818				X6CrNiMoTi1712			
1.4828	X15CrNiSi2012	309	Z15CNS20.12	309S24				SUH309

Werkstoff No.	Germany DIN	U.S.A. AISI/SAE UNS	France AFNOR	Great Britain BS	Italy UNI	Sweden SS	Spain UNE	Japan JIS
1.4845	X12CrNi2521	310S	Z12CN2520	310S24	X6CrNi2520	2361	F.331	SUH310; SUS310S
Austenitic/Ferritic Stainless Steel (Duplex)								
1.4460	X8CrNiMo275	S32900				2324		SUS329J1
1.4462	X2CrNiMoN2253		Z2CND22-05-03			2977		
1.4821	X20CrNiSi254		Z20CNS25.04					
1.4823	G-X40CrNiSi274							
1.4362	X2CrNiN234	S32304	Z2CN23-04AZ			2327		
Gray Cast Iron								
0.6010	GG10	CLASS20	Ft10D		G10	110		FC100
0.6015	GG15	CLASS25	Ft15D	GRADE150	G15	115	FG15	FC150
0.6020	GG20	CLASS30	Ft20D	GRADE220	G20	120	FG20	FC200
0.6025	GG25	CLASS35	Ft25D	GRADE260	G25	125	FG25	FC250
0.6030	GG30	CLASS45	Ft30D	GRADE300	G30	130	FG30	FC300
0.6035	GG35	CLASS50	Ft35D	GRADE350	G35	135	FG35	FC350
0.6040	GG40	CLASS55	Ft40D	GRADE400		140		FC400
Gray Cast Iron with Nodular Graphite								
0.7033	GGG35.3					0717-15		FCD350
0.7040	GGG40	60-40-18	FCS400-12	SNG420/12	GGG40	0717-02	GGG40	FCD400
0.7043	GGG40.3		FGS370-17	SNG370/17		0717-12		FCD400
0.7050	GGG50	80-55-06	FGS500-7	SNG500/7	GGG50	0727-02	GGG50	FCD500
0.7060	GGG60		FGS600-3	SNG600/3	GGG60	0732-03	GGG60	FCD600
0.7070	GGG70	100-70-03	FGS700-2	SNG700/2	GGG70	0737-01	GGG70	FCD700
White malleable Cast Iron								
0.8040	GTW-40		MB40-10	W410/4	GMB40		GTW40	
0.8045	GTW-45				GMB45		GTW45	
0.8055	GTW-55						GTW55	
0.8065	GTW-65						GTW65	
0.8135	GTS-35	32510	MN35-10	B340/12		810	GTS35	
0.8145	GTS-45	40010		P440/7		852	GTS45	
0.8035	GTW-35		MB35-7	W340/3			GTW35	
0.8155	GTS-55	50005	MP50-5	P510/4		854	GTS55	
0.8165	GTS-65	70003	MP60-3	P570/3		856	GTS65	
0.8170	GTS-70	90001	M870-2	P690/2		0862; 0864	GTS70	
Werkstoff No.	Germany DIN	U.S.A. AISI/SAE UNS	France AFNOR	Great Britain BS	Italy UNI	Sweden SS	Spain UNE	Japan JIS
Non-Ferrous Materials								
Aluminium Alloys								
3.0255	Al99.5	1000	A59050C	L31/34/36				
3.3315	AlMg1							
3.1655	AlCuSiPb							
3.1754	G-AlCu5Ni1,5		3.4345	AlZnMgCu0,5	AZ4GU/9051	L86	811-04	7050
3.2373	G-AlSi9Mg							
3.2381	G-AlSi10Mg							
3.2382	GD-AlSi10Mg							

Werkstoff	Germany	U.S.A.	France	Great Britain	Italy	Sweden	Spain	Japan
No.	DIN	AISI/SAE UNS	AFNOR	BS	UNI	SS	UNE	JIS
3.2383	G-AlSi10Mg (Cu)	A360.2		LM9		4253		
3.2383	GK-AlSi10Mg (Cu)	A360.2		LM9		4253		
3.2581	G-AlSi12	A413.2		LM6		4261		
3.2582	GD-AlSi12	A413.0				4247		A6061
3.2583	G-AlSi12 (Cu)	A413.1		LM20		4260		ADC12
3.3561	G-AlMg5	GD-AlSi12	A-SU 12	LN5		4252		AC4A
3.5101	G-MgZn4SE1Zr1	ZE41	G-Z4TR	MAG5				
3.5103	MgSE3Zn2Zr1	EZ33	G-TR3Z2	MAG6				
3.5106	G-MgAg3SE2Zr1	QE22	G-Ag22,5	MAG12				
3.5812	G-MgAl8Zn1	AZ81	G-A9	MAG1				
3.5912	G-MgAl9Zn1	AZ91	G-A9Z1	MAG7				
2.1871	G-AlCu4TiMg							
3.2371	G-AlSi7Mg	4218B						

Copper Alloys

2.1090	G-CuSn7ZnPb	C93200	U-E7Z5Pb4					
2.1096	G-CuSn5ZnPb	C83600	U-E5Pb5Z5	LG2				
2.1098	G-CuSn2ZnPb							
2.1176	G-CuPb10Sn	C93700	U-E10Pb10	LB2				
2.1182	G-CuPb15Sn	C93800	U-Pb15E8	LB1				
2.0240	CuZn15	C23000	CuZn15	CZ102				
2.0265	CuZn30	C26000	CuZn30	CZ106				
2.0321	CuZn37	C27200, C27700	CuZn36, CuZn37	CZ108	C2700, C2720			
2.0592	G-CuZn35Al1	C86500	U-Z36N3	HTB1				
2.0596	G-CuZn34Al2	C86200	U-Z36N3	HTB1				
2.1188	G-CuPb20Sn	C94100	U-Pb20	LB5				
2.1292	G-CuCrF35	C81500		CC1-FF				
2.1293	CuCrZr	C18200	U-Cr0,8Zr	CC102				
2.0966	CuAl10Ni5Fe4	C63000	U-A10N	Ca104				
2.0975	G-CuAl10Ni	B-148-52						
2.1050	G-CuSn10	C90700		CT1				
2.1052	G-CuSn12	C90800	UE12P	Pb2				

High-Temp Alloys

Werkstoff	Germany	U.S.A.	France	Great Britain	US	Sweden	Spain	Japan
No.	DIN	AISI/SAE UNS	AFNOR	BS	US Trade Designation	SS	UNE	JIS
Super-Alloys Fe-based								
1.4558	X2NiCrAlTi3220	N08800		NA15	Incoloy 800			
1.4562	X1NiCrMoCu32287	N08031						
1.4563	X1NiCrMoCuN31274	N08028	Z1NCDU31.27					
1.4864	X12NiCrSi	330	Z12NCS35.16					SUH330
1.4864	X12NiCrSi3616	N08330	Z12NCS35.16	NA17				SUH330
1.4958	X5NiCrAlTi3120							
1.4977	X40CoCrNi2020		Z42CNKDWNb					

Werkstoff No.	Germany DIN	U.S.A. AISI/SAE UNS	France AFNOR	Great Britain BS	Italy UNI	Sweden SS	Spain UNE	Japan JIS
		S66286			A-286			
		S41800			Greek Ascology			
		R30556			Haynes 556 (HS556)			
		R30155			N155			
Super-Alloys Co-based								
		R30188			Haynes 188			
		R30605			L605 (Haynes 25)			
					MARM-302, 322, 509			
					Stellite 6, 21, 31			
Super-alloys Ni-based								
2.4360	NiCu30Fe		NU30	NA13	Monel 400			
2.4610	NiMo16Cr16Ti				Hastelloy C-4			
2.4630	NiCr20Ti	N06075	NC20T	HR5, 203-4	Nimonic 75			
2.4642	NiCr29Fe		NC30Fe		Inconel 690			
2.4810	G-NiMo30	N10276			Hastelloy C			
2.4856	NiCr22Mo9Nb	N06625	NC22FeDNb	NA21	Inconel 625			
2.4858	NiCr21Mo	N08825	NC21FeDU	NA16	Incoloy 825			
2.4375	NiCu30 Al		NU30AT	NA18	Monel K-500			
2.4668	NiCr19FeNbMo	N07718	NC19FeNb		Inconel 718			
2.4669	NiCr15Fe7TiAl	N07750	NC15TNbA		Inconel X-750			
2.4685	G-NiMo28	N10001			Hastelloy B			
2.4694	NiCr16Fe7TiAl	N00751			Inconel 751			
Titanium and titanium alloys								
3.7025	Ti 1	R50250		2TA1				
3.7124	TiCu2			2TA21-24				
3.7195	TiAl3V2.5							
3.7225	Ti1Pd	R52250		TP1				
3.7115	TiAl5Sn2							
3.7145	TiAl6Sn2Zr4Mo2Si	R54620						
3.7165	TiAl6V4	R56400	T-A6V	TA10-13; TA28	TiAl6V4			
3.7175	TiAl6V6Sn2	R56620			Ti6V6Al2Sn			
3.7185	TiAl4Mo4Sn2			TA45-51; TA57				
Hardened Materials								
Werkstoff No.	Germany DIN	U.S.A. AISI/SAE UNS	France AFNOR	Great Britain BS	Italy UNI	Sweden SS	Spain UNE	Japan JIS
White Cast Iron								
0.9620	G-X260NiCr42	Ni- Hard 2		Grade 2A		0512-00		
0.9625	G-X330NiCr42	Ni- Hard 1		Grade 2B		0513-00		
0.9630	G-X300CrNiSi952	Ni- Hard 4						
0.9635	G-X300CrMo153							
Hardened Cast Iron								
0.9640	G-X300CrMoNi1521							

Werkstoff	Germany	U.S.A.	France	Great Britain	Italy	Sweden	Spain	Japan
No.	DIN	SAE UNS	AFNOR	BS	UNI	SS	UNE	JIS
0.9645	G-X260CrMoNi2021							
0.9650	G-X260Cr27	A532IIIA25%Cr		Grade 3D		0466-00		
0.9655	G-X300CrMo271							
0.9655	G-X300CrMo271	A532IIIA25%Cr		Grade 3E				

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SPECIFICATION CROSS-REFERENCE CHART

MAT'L TYPE / GRADE	UNS NUMBER	PIPE	TUBING	FITTINGS	FLANGES	PLATE	CASTINGS	BAR	FORGINGS
304 STAINLESS STEEL	S30400	A312	A213 / A249 / A269	A403	A182 F304	A240	A351 CF8 OR CF3 (L GRADE)	A276 / A479	A182 F304
316 STAINLESS STEEL	S31600	A312	A213 / A249 / A269	A403	A182 F316	A240	A351 CF8M OR CF3M (L GRADE)	A276 / A479	A182 F316
410 STAINLESS STEEL	S41000	A268	A213 / A249 / A269	A815	A182 F410	A240	A487 CA15	A276 / A479	A182 F410
317 STAINLESS STEEL	S31700	A312	A213 / A249 / A269	A403	A182 F317	A240	A351 CG8M OR CG3M (L GRADE)	A276 / A479	A182 F317
310 STAINLESS STEEL	S31000	A312	A213 / A249 / A269	A403	A182 F310	A240	A743 CK20	A276 / A479	A182 F310
321 STAINLESS STEEL	S32100	A312	A213 / A249 / A269	A403	A182 F321	A240	-----	A276 / A479	A182 F321
347 STAINLESS STEEL	S34700	A312	A213 / A249 / A269	A403	A182 F347	A240	A351 CF8C	A276 / A479	A182 F347
254SMo	S31254	A312	A213 / A249 / A269	A403	A182 F254	A240	A351 CK3MCuN	A276 / A193 A276 / A479	A182 F44
ALLOY 20	N08020	B729 (SMLS) OR B464 (WELDED)	B729 (SMLS) OR B468 (WELDED)	B366	B462	B463	A351 CN7M	B462 / B473	B462
DUPLEX 2205	S31803 / S32205	A928 (WELDED) OR A790 (SMLS / WELDED)	A789	A815	A479 / A182	A240	A995 4A CD3MN	A276 / A193 A276 / A479	A182 F51
HASTELLOY C276	N10276	B619 / B622	B622 / B519 / B626	B366	B574 / B564	B575	A995 CW-6M	B574 / B564	B564 / B462
ALLOY 200 / 201	N02200 / N02201	B161	B161 / B163	B366	B160 / B564	B162	A494 CZ100	B160 / B564	B564
ALLOY 400	N04400	B165	B165	B366	B164 / B564	B127	A494 M35-1	B164 / B564	B564
ALLOY 600	N06600	B167	B167	B366	B166 / B564	B168	A494 CY40	B166 / B564	B564
ALLOY 625	N06625	B444 / B705	B444	B366	B444 / B564	B443	A494 CW6MC	B446 / B564	B564
ALLOY 800H / HP	N08810 / N08811	B407	B407 / B829 / B515 B751	B366	B446 / B564	B409	-----	B408 / B564	B564
ALLOY 825	N08825	B423	B423	B366	B425 / B564	B424	A494 CU5MCuC	B425 / B564	B564
ALLOY 2507	S32750	A790	A789	A815	A182 F53	A240	A995 5A CE3MN	A479	A182 F53
LOW-TEMP CRBN STL Gr.1	K03008	A333 Gr.1	A334 Gr.1	A420 WPL1	A350 LF2	A516	A352 LC1	A516	A350 LF2
LOW-TEMP CRBN STL Gr.3	K31918	A333 Gr.3	A334 Gr.3	A420 WPL3	A350 LF3	A516	A352 LC3	A516	A350 LF3
LOW-TEMP CRBN STL Gr.6	K03006	A333 Gr.6	A334 Gr.6	A420 WPL6	A350 LF2	A516	A352 LCC	A516	A350 LF2
CHROME - GRADE 5	K41545	A335 P5	A213 T5	A234 WP5	A182 F5	A387 Gr.5	A217 WC5	A182 F5	A182 F5
CHROME - GRADE 9	S50400	A335 P9	A213 T9	A234 WP9	A182 F9	A387 Gr.9	A217 WC12	A182 F9	A182 F9
CHROME - GRADE 11	K11597	A335 P11 (SMLS) OR A691 (WELDED)	A213 T11	A234 WP11	A182 F11	A387 Gr.11	A217 WC6	A182 F11	A182 F11
CHROME - GRADE 12	K11562	A335 P12	A213 T12	A234 WP12	A182 F12	A387 Gr.12	A217 WC6	A182 F12	A182 F12
CHROME - GRADE 22	K21590	A335 P22 (SMLS) OR A691 (WELDED)	A213 T22	A234 WP22	A182 F22	A387 Gr.22	A217 WC9	A182 F22	A182 F22
CHROME - GRADE 91	K91560	A335 P91 (SMLS) OR A691 (WELDED)	A213 T91	A234 WP91	A182 F91	A387 Gr.91	A217 WC12A	A182 F91	A182 F91
AL6XN	N08367	A312 (SMLS / WLD) OR A358 (WELDED)	A269 / A270 (SMLS / WELDED) OR A249 (WELDED)	B366	B462	A240	A351 CN3MN	A479	B462
ZIRCONIUM	R60702 / R60704 / R60705	B658	B523	B653	B493	B551	B752	B550	B493
HASTELLOY C22	N06022	B622 (SMLS) OR B619 (WELDED)	B622 (SMLS) OR B626 (WELDED)	B619	B564	B575	A494 CX2MW	B574	B564

THE ABOVE INFORMATION IS FOR REFERENCE ONLY AND IS NOT INTENDED TO BE A REPLACEMENT FOR CONSULTING THE APPLICABLE SPECIFICATIONS



Mn-Zn Power Ferrite Cross-Reference List

Country	Company	Material						
	INITIAL PERM	1800	2000	2100	2100	2300	2500	3000
India	COSMO	CF 292	CF 196	CF 138	CF 139	CF 297	CF140	CF 295
Europe	FERROXCUBE	3C92	3C80	3C90	3F3	3C97/3C94	3H3	3C95
	EPCOS	N92/N53	N27	N67	N87	N97	N48	N95
	KASCHKE		K2006	K2500				
	AVX	B5/B7	B3	F1	F2		A9	
USA	FAIR RITE			78				
	MAGNETICS	H			R			
Japan	TDK	HV22	PC30	PC40	PC44	PC44		PC95
	TOMITA	2N6		2G8	2H8			
	HITACHI	MB28D		ML24D		ML25D	MQ25D	ML30D
China	DMEG	DMR24	DMR30	DMR40	DMR55	DMR44	DMR70	DMR95
Korea	ISU	BM14		PM7	FM4	PM11		PM12
Taiwan	ACME	P42		P4	P5	P41	N4	P46



Mn-Zn High -u Ferrite Cross- Reference list

Country	company	Material						
	INITIAL PERM	4300	5000	6000	7000	10000	12000	15000
India	COSMO	CF 191	CF 265	CF 190	CF 197	CF 199		
Europe	FERROXCUBE	3C11	3 E4	3 E25	3E27/3E26	3 E5	3 E6	3 E7
	EPCOS	N30	T 65		T36/T37	T 38	T 42	T 46
	KASCHKE	K 4000	K 5500	K 6000	K 8000	K 10000	K 12000	
	AVX	A6	A5	A4	A3	A2	A1+	A0+
USA	FAIR RITE		75			76		
	MAGNETICS		J			W		
Japan	TDK		HS52	H5B	HS72	HS10		H5C3
	TOMITA		2G4		2G1	2E2B	2H2B	2H1
	HITACHI	MQ40D			MP70D	MP10T	MD10T	
China	DMEG	R4K	R5K	R6K	R7K	R10K	R12K	R15K
Korea	ISU		HM2A		HM3	HM5A		
Taiwan	ACME	A05	A05		A07	A10	A121	A15

ISO	Coromant Material Classifi- cation (CMC)	Country									
		Great Britain		Sweden	USA	Germany		France	Italy	Spain	Japan
		Standard									
		BS	EN	SS	AISI/SAE	W.-nr.	DIN	AFNOR	UNI	UNE	JIS
P 											

ISO	Coromant Material Classifi- cation (CMC)	Country										
		Great Britain		Sweden	USA	Germany		France	Italy	Spain	Japan	
		Standard										
		BS	EN	SS	AISI/SAE	W.-nr.	DIN	AFNOR	UNI	UNE	JIS	
P	02.1/02.2	816M40	110	-	9840	1.6511	36CrNiMo4	40NCD3	38NiCrMo4(KB)	35NiCrMo4	-	
	02.1/02.2	817M40	24	2541	4340	1.6582	35CrNiMo6	35NCD6	35NiCrMo6(KB)	-	-	
	02.1/02.2	530A32	18B	-	5132	1.7033	34Cr4	32C4	34Cr4(KB)	35Cr4	SCr430(H)	
	02.1/02.2	530A40	18	-	5140	1.7035	41Cr4	42C4	41Cr4	42Cr4	SCr440(H)	
	02.1/02.2	(527M20)	-	2511	5115	1.7131	16MnCr5	16MC5	16MnCr5	16MnCr5	-	
	02.1/02.2	1717CDS110	-	2225	4130	1.7218	25CrMo4	25CD4	25CrMo4(KB)	55Cr3	SCM420;SCM430	
	02.1/02.2	708A37	19B	2234	4137;4135	1.7220	34CrMo4	35CD4	35CrMo4	AM26CrMo4	-	
	02.1/02.2	708M40	19A	2244	4140;4142	1.7223	41CrMo4	42CD4TS	41CrMo4	34CrMo4	SCM432;SCCRM3	
	02.1/02.2	708M40	19A	2244	4140	1.7225	42CrMo4	42CD4	42CrMo4	42CrMo4	SCM 440	
	02.1/02.2	722M24	40B	2240	-	1.7361	32CrMo12	30CD12	32CrMo12	42CrMo4	SCM440(H)	
	02.1/02.2	735A50	47	2230	6150	1.8159	50CrV4	50CV4	50CrV4	F.124.A	-	
	02.1/02.2	905M39	41B	2940	-	1.8509	41CrAlMo7	40CAD6, 12	41CrAlMo7	51CrV4	SUP10	
	02.1/02.2	BL3	-	-	L3	1.2067	100Cr6	Y100C6	-	41CrAlMo7	-	
	02.1/02.2	-	-	2140	-	1.2419	105WC6	105WC13	10WC6	100Cr6	-	
	02.1/02.2	-	-	-	-	-	-	-	107WC6	105WC5	SKS31	
	02.1/02.2	-	-	-	-	-	-	-	107WC5KU	-	SKS2, SKS3	
	02.1/02.2	-	-	-	L6	1.2713	55NiCrMoV6	55NCDV7	-	F.520.S	SKT4	
	High-alloy steel											
	03.11	1501-509;510	-	-	ASTM A353	1.5662	X8Ni9	-	X10Ni9	XBNi09	-	
	03.11	-	-	-	2515	1.5680	12Ni19	Z18N5	-	-	-	
	03.11	832M13	36C	-	-	1.6657	14NiCrMo134	-	15NiCrMo13	14NiCrMo131	-	
	03.11	BD3	-	-	D3	1.2080	X210Cr12	Z200C12	X210Cr13KU X250Cr12KU	X210Cr12	SKD1	
	03.11	-	-	2314	-	1.2083	-	-	-	-	-	
	03.11	BH13	-	2242	H13	1.2344	X40CrMoV5 1	Z40CDV5	X35CrMoV05KU X40CrMoV511KU	X40CrMoV5	SKD61	
	03.11	BA2	-	2260	A2	1.2363	X100CrMoV5 1	Z100CDV5	X100CrMoV51KU	X100CrMoV5	SKD12	
	03.11	-	-	2312	-	1.2436	X210CrW12	-	X215CrW12 1KU	X210CrW12	SKD2	
	03.11	BS1	-	2710	S1	1.2542	45WCrV7	-	45WCrV8KU	45WCrSi8	-	
	03.11	BH21	-	-	H21	1.2581	X30WCrV9 3	Z30WCV9	X28W09KU	X30WCrV9	SKD5	
	03.11	-	-	2310	-	1.2601	X30WCrV9 3KU	-	X30WCrV9 3KU	-	-	
	03.11	401S45	52	-	HW3	1.4718	X165CrMoV 12	-	X165CrMoW12KU	X160CrMoV12	-	
	03.11	4959BA2	-	2715	D3	1.3343	X45GrSi93 S6-5-2	Z45CS9 Z40CSD10	X45GrSi8 15NiCrMo13	F322	SUH1 SUH3	
	03.13	BM 2	-	2722	M 2	1.3343	S6/5/2	Z 85 WDCV	HS 6-5-2-2	F-5603.	SKH 51	
03.13	BM 35	-	2723	M 35	1.3243	S6/5/2/5	6-5-2-5	HS 6-5-2-5	F-5613	SKH 55		
03.13	-	-	2782	M 7	1.3348	S2/9/2	-	HS 2-9-2	F-5607	-		
03.21	-	-	2736	HNv3	1.2379	X210Cr12 G	-	-	-	-		
Steel castings												
06.2	-	-	2223	-	-	-	-	-	-	-		
06.33	Z120M12	-	-	-	1.3401	G-X120Mn12	Z120M12	XG120Mn12	X120Mn12	SCMnH/1		
06.33	BW 10	-	2183	-	1.3401	-	2120 M12	GX120 Mn12	F-8251	SEMn H1		
Trade names												
02.1	OVAKO 520M (Ovako Steel)											
02.1	FORMAX (Uddeholm Tooling)											
02.1	IMACRO NIT (Imatra Steel)											
02.2	INEXA 482 (XM) (Inexa Profil)											
	S355J2G3(XM)											
	C45(XM)											
	16MnCrS5(XM)											
	INEXA280(XM)											
	070M20(XM)											
02.2	HARDOX 500 (SSAB - Swedish Steel Corp.)											
02.2	WELDOX 700 (SSAB - Swedish Steel Corp.)											

ISO	Coromant Material Classifi- cation (CMC)	Country									
		Great Britain		Sweden	USA	Germany		France	Italy	Spain	Japan
		Standard									
		BS	EN	SS	AISI/SAE	W.-nr.	DIN	AFNOR	UNI	UNE	JIS
M 											

ISO	Coromant Material Classifi- cation (CMC)	Country									
		Great Britain		Sweden	USA	Germany		France	Italy	Spain	Japan
		Standard									
		BS	EN	SS	AISI/SAE	W.-nr.	DIN	AFNOR	UNI	UNE	JIS
M		Trade names									
		Stainless steels									
	05.21/15.21	SANMAC 304 (Sandvik Steel)									
	05.21/15.21	SANMAC 304L (Sandvik Steel)									
	05.21/15.21	SANMAC 316 (Sandvik Steel)									
	05.21/15.21	SANMAC 316L (Sandvik Steel)									
	05.23/15.23	254 SMO									
	05.23/15.23	654 SMO									
	05.23/15.23	SANMAC SANICRO (Sandvik Steel)									
	05.52/15.52	SANMAC SAF 2205 (Sandvik Steel)									
05.52/15.52	SANMAC SAF 2507 (Sandvik Steel)										
K	Malleable cast iron										
	07.1	8 290/6		0814			-	MN 32-8			FCMB310
	07.1	B 340/12		0815	32510		GTS-35	MN 35-10			FCMW330
	07.2	P 440/7		0852	40010	0.8145	GTS-45	Mn 450	GMN 45		FCMW370
	07.2	P 510/4		0854	50005	0.8155	GTS-55	MP 50-5	GMN 55		FCMP490
		P 570/3		0858	70003		GTS-65	MP 60-3			FCMP540
	07.2	P570/3		0856	A220-70003	0.8165	GTS-65-02	Mn 650-3	GMN 65	-	FCMP590
	07.3	P690/2		0862	A220-80002	0.8170	GTS-70-02	Mn700-2	GMN 70		FCMP690
	Grey cast iron										
	08.1			0100							
	08.1			0110	No 20 B		GG 10	Ft 10 D			FC100
	08.1	Grade 150		0115	No 25 B	0.6015	GG 15	Ft 15 D	G 15	FG 15	FC150
	08.1	Grade 220		0120	No 30 B	0.6020	GG 20	Ft 20 D	G 20		FC200
	08.2	Grade 260		0125	No 35 B	0.6025	GG 25	Ft 25 D	G 25	FG 25	FC250
					No 40 B						
	08.2	Grade 300		0130	No 45 B	0.6030	GG 30	Ft 30 D	G 30	FG 30	FC300
	08.2	Grade 350		0135	No 50 B	0.6035	GG 35	Ft 35 D	G 35	FG 35	FC350
	08.2	Grade 400		0140	No 55 B	0.6040	GG 40	Ft 40 D			
	08.3	L-NiCuCr202		0523	A436 Type 2	0.6660	GGL-NiCr202	L-NC 202	-	-	
	Nodular cast iron										
	09.1	SNG 420/12		0717-02	60-40-18	0.7040	GGG 40	FCS 400-12	GS 370-17	FGE 38-17	FCD400
	09.1	SNG 370/17		0717-12	-		GGG 40.3	FGS 370-17			
	09.1	-		0717-15	-	0.7033	GGG 35.3	-			
	09.1	SNG 500/7		0727-02	80-55-06	0.7050	GGG 50	FGS 500-7	GS 500	FGE 50-7	FCD500
	09.1	Grade S6		0776	A43D2	0.7660	GGG-NiCr202	S-NC 202	-	-	
	09.2	SNG 600/3		0732-03	-		GGG 60	FGS 600-3			FCD600
	09.2	SNG 700/2		0737-01	100-70-03	0.7070	GGG 70	FGS 700-2	GS 700-2	FGS 70-2	FCD700

ISO	Coromant Material Classifi- cation (CMC)	Country											
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		Standard											
		BS	EN	SS	AISI/SAE	W.-nr.	DIN	AFNOR	UNI	UNE	JIS		
N	Non-ferrous metals	30.21	-	-	4251	SC64D	3.2373	G-AISI9MGWA	A-S7G	-	-	C4BS	
		30.21	LM5	-	4252	GD-AISI12	-	G-ALMG5	A-SU12	-	-	AC4A	
		30.21/30.22	LM25		4244	356.1						A5052	
					4247	A413.0		GD-AISI12				A6061	
			LM24		4250	A380.1		GD-AISI8Cu3				A7075	
			LM20		4260	A413.1		G-AISI12(Cu)				ADC12	
		LM6		4261	A413.2		G-AISI12						
		LM9		4253	A360.2		G-AISI10Mg(Cu)						
S	Heat resistant super alloys	Heat resistant super alloys											
		20.11	-	-	-	330	1.4864	X12NiCrSi36 16	Z12NCS35.16	F-3313	-	SUH330	
		20.11	330C11	-	-	-	1.4865	G-X40NiCrSi38 18	-	XG50NiCr39 19	-	SCH15	
		20.21	-	-	-	5390A	2.4603	-	NC22FeD	-	-		
		20.21	-	-	-	5666	2.4856	NiCr22Mo9Nb	NC22FeDNB	-	-		
		20.21	HR5,203-4	-	-	-	2.4630	NiCr20Ti	NC20T	-	-		
		20.22	-	-	-	5660	LW2.4662	NiFe35Cr14MoTi	ZSNCDT42	-	-		
		20.22	3146-3	-	-	5391	LW2 4670	S-NiCr13A16MoNb	NC12AD	-	-		
		20.22	HR8	-	-	5383	LW2.4668	NiCr19Fe19NbMo	NC19eNB	-	-		
		20.22	3072-76	-	-	4676	2.4375	NiCu30Al	-	-	-		
		20.22	Hr401,601	-	-	-	2.4631	NiCr20TiAk	NC20TA	-	-		
		20.22	-	-	-	AMS 5399	2.4973	NiCr19Co11MoTi	NC19KDT	-	-		
		20.22	-	-	-	AMS 5544	LW2.4668	NiCr19Fe19NbMo	NC20K14	-	-		
		20.24	-	-	-	AMS 5397	LW2 4674	NiCo15Cr10MoAlTi	-	-	-		
		20.32	-	-	-	5537C	LW2.4964	CoCr20W15Ni	KC20WN	-	-		
			-	-	-	AMS 5772	-	CoCr22W14Ni	KC22WN	-	-		
		Titanium alloys											
		23.22	TA14/17	-	-	AMS R54520	-	TiAl5Sn2.5	T-A5E	-	-		
		23.22	TA10-13/TA28	-	-	AMS R56400	-	TiAl6V4	T-A6V	-	-		
		23.22	TA11	-	-	AMS R56401	-	TiAl6V4ELI	-	-	-		
		23.22	-	-	-	-	-	TiAl4Mo4Sn4Si0.5	-	-	-		
			Trade names										
		20.11	Iron base										
			Incoloy 800										
20.2	Nickel base												
20.2	Haynes 600												
20.2	Nimocast PD16												
20.2	Nimonic PE 13												
20.2	Rene 95												
20.21	Hastelloy C												
20.21	Incoloy 825												
20.21	Inconel 600												
20.21	Monet 400												
20.22	Inconel 700												
20.22	Inconel 718												
20.22	Mar - M 432												
20.22	Nimonic 901												
20.22	Waspaloy												
20.24	Jessop G 64												
20.3	Cobalt base												
20.3	Air Resist 213												
	Jetalloy 209												
H	Hardened materials	Hardened materials											
		04.1	-	-	2258-08	440A	1.4108	X100CrMo13	-	-	-	C4BS	
		04.1	-	-	2534-05	610	1.4111	X110CrMoV15	-	-	-	AC4A	
		04.1	-	-	2541-06	0-2	-	X65CrMo14	-	-	-	AC4A	

以上材料钢号对照表由常州精密钢管博客 www.josen.net 收集整理