

Formerly Standard SAE Alloy Steels—SAE J778a

SAE Information Report
Last revised November 1977

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**FORMERLY STANDARD
SAE ALLOY STEELS—SAE J778a**

SAE Information Report

Report of Iron and Steel Technical Committee approved June 1961 and last revised November 1977.

This Information Report provides a list of those SAE Alloy Steels which, because of decreased usage, have been deleted from the SAE Handbook since 1936. Information on SAE steels prior to 1936 may be obtained from SAE offices on request.

While the steels in the list below are no longer considered as standard steels, they may be purchased as nonstandard steels which call for broader chemical

ranges for most of their elements. The producer, in such cases, should be consulted for chemical limits.

In Table 1, the last column lists the date a steel was last listed in the SAE Handbook. When applicable, the corresponding AISI standard steel appears in the next to the last column.

TABLE 1—FORMERLY STANDARD SAE ALLOY STEELS

SAE No.	C	Mn	P, Max	S, Max	Si	Cr	Ni	Mo	V, Min	AISI No.	DATE
1320	0.18-0.23	1.60-1.90	0.040	0.040	0.20-0.35	—	—	—	—	A1320	1956
2317	0.15-0.20	0.40-0.60	0.040	0.040	0.20-0.35	—	3.25-3.75	—	—	A2317	1956
2330	0.28-0.33	0.60-0.80	0.040	0.040	0.20-0.35	—	3.25-3.75	—	—	A2330	1953
2340	0.38-0.43	0.70-0.90	0.040	0.040	0.20-0.35	—	3.25-3.75	—	—	A2340	1953
2345	0.43-0.48	0.70-0.90	0.040	0.040	0.20-0.35	—	3.25-3.75	—	—	A2345	1952
2512	0.09-0.14	0.45-0.60	0.025	0.025	0.20-0.35	—	4.75-5.25	—	—	E2512	1953
2515	0.12-0.17	0.40-0.60	0.040	0.040	0.20-0.35	—	4.75-5.25	—	—	A2515	1956
2517	0.15-0.20	0.45-0.60	0.025	0.025	0.20-0.35	—	4.75-5.25	—	—	E2517	1959
3115	0.13-0.18	0.40-0.60	0.040	0.040	0.20-0.35	0.55-0.75	1.10-1.40	—	—	A3115	1953
3120	0.17-0.22	0.60-0.80	0.040	0.040	0.20-0.35	0.55-0.75	1.10-1.40	—	—	A3120	1956
3130	0.28-0.33	0.60-0.80	0.040	0.040	0.20-0.35	0.55-0.75	1.10-1.40	—	—	A3130	1956
3135	0.33-0.38	0.60-0.80	0.040	0.040	0.20-0.35	0.55-0.75	1.10-1.40	—	—	3135	1960
X3140	0.38-0.43	0.70-0.90	0.040	0.040	0.20-0.35	0.70-0.90	1.10-1.40	—	—	A3141	1947
3140	0.38-0.43	0.70-0.90	0.040	0.040	0.20-0.35	0.55-0.75	1.10-1.40	—	—	3140	1964
3145	0.43-0.48	0.70-0.90	0.040	0.040	0.20-0.35	0.70-0.90	1.10-1.40	—	—	A3145	1952
3150	0.48-0.53	0.70-0.90	0.040	0.040	0.20-0.35	0.70-0.90	1.10-1.40	—	—	A3150	1952
3215	0.10-0.20	0.30-0.60	0.040	0.050	0.15-0.30	0.90-1.25	1.50-2.00	—	—	—	1941
3220	0.15-0.25	0.30-0.60	0.040	0.050	0.15-0.30	0.90-1.25	1.50-2.00	—	—	—	1941
3230	0.25-0.35	0.30-0.60	0.040	0.050	0.15-0.30	0.90-1.25	1.50-2.00	—	—	—	1941
3240	0.35-0.45	0.30-0.60	0.040	0.040	0.15-0.30	0.90-1.25	1.50-2.00	—	—	A3240	1941
3245	0.40-0.50	0.30-0.60	0.040	0.040	0.15-0.30	0.90-1.25	1.50-2.00	—	—	—	1941
3250	0.45-0.55	0.30-0.60	0.040	0.040	0.15-0.30	0.90-1.25	1.50-2.00	—	—	—	1941
3310	0.08-0.13	0.45-0.60	0.025	0.025	0.20-0.35	1.40-1.75	3.25-3.75	—	—	E3310	1964
3312	0.08-0.13	0.45-0.60	0.025	0.025	0.20-0.35	1.40-1.75	3.25-3.75	—	—	—	1948
3316	0.14-0.19	0.45-0.60	0.025	0.025	0.20-0.35	1.40-1.75	3.25-3.75	—	—	E3316	1956
3325	20-30	0.30-0.60	0.040	0.050	0.15-0.30	1.25-1.75	3.25-3.75	—	—	—	1936
3335	30-40	0.30-0.60	0.040	0.050	0.15-0.30	1.25-1.75	3.25-3.75	—	—	—	1936
3340	35-45	0.30-0.60	0.040	0.050	0.15-0.30	1.25-1.75	3.25-3.75	—	—	—	1936
3415	0.10-0.20	0.30-0.60	0.040	0.050	0.15-0.30	0.60-0.95	2.75-3.25	—	—	—	1941
3435	0.30-0.40	0.30-0.60	0.040	0.050	0.15-0.30	0.60-0.95	2.75-3.25	—	—	—	1936
3450	0.45-0.55	0.30-0.60	0.040	0.050	0.15-0.30	0.60-0.95	2.75-3.25	—	—	—	1936
4012	0.09-0.14	0.75-1.00	0.035	0.040	0.15-0.30	—	—	0.15-0.25	—	4012	1977
4053	0.50-0.56	0.75-1.00	0.040	0.040	0.20-0.35	—	—	0.20-0.30	—	4053	1956
4063	0.60-0.67	0.75-1.00	0.040	0.040	0.20-0.35	—	—	0.20-0.30	—	4063	1964
4068	0.63-0.70	0.75-1.00	0.040	0.040	0.20-0.35	—	—	0.20-0.30	—	A4068	1957
4119	0.17-0.22	0.70-0.90	0.040	0.040	0.20-0.35	0.40-0.60	—	0.20-0.30	—	A4119	1956
4125	0.23-0.28	0.70-0.90	0.040	0.040	0.20-0.35	0.40-0.60	—	0.20-0.30	—	A4125	1950
4317	0.15-0.20	0.45-0.65	0.040	0.040	0.20-0.35	0.40-0.60	1.65-2.00	0.20-0.30	—	4317	1953
4337	0.35-0.40	0.60-0.80	0.040	0.040	0.20-0.35	0.70-0.90	1.65-2.00	0.20-0.30	—	4337	1964
4419	0.18-0.23	0.45-0.65	0.035	0.040	0.15-0.30	—	—	0.45-0.60	—	4520	1977
4419H	0.17-0.23	0.35-0.75	0.035	0.040	0.15-0.30	—	—	0.45-0.60	—	4419H	1977
4608	0.06-0.11	0.25-0.45	0.040	0.040	0.025 Max	—	1.40-1.75	0.15-0.25	—	4608	1956
46812	0.10-0.15	0.45-0.65	0.040	0.040	0.20-0.35	—	1.65-2.00	0.20-0.30	—	46812	1957
X4620	0.18-0.23	0.50-0.70	0.040	0.040	0.20-0.35	—	1.65-2.00	0.20-0.30	—	X4620	1956
4621	0.18-0.23	0.70-0.90	0.035	0.040	0.15-0.30	—	1.65-2.00	0.20-0.30	—	4621	1977
4621H	0.17-0.23	0.60-1.00	0.035	0.040	0.15-0.30	—	1.55-2.00	0.20-0.30	—	4621H	1977
4640	0.38-0.43	0.60-0.80	0.040	0.040	0.20-0.35	—	1.65-2.00	0.20-0.30	—	A4640	1952
4812	0.10-0.15	0.40-0.60	0.040	0.040	0.20-0.35	—	3.25-3.75	0.20-0.30	—	4817	1956

(Table continued on next page)

The ϕ symbol is for the convenience of the user in locating areas where technical revisions have been made to the previous issue of the report. If the symbol is next to the report title, it indicates a complete revision of the report.