

Table 1A
Section I; Section III, Division 1, Classes 2 and 3;* Section VIII, Division 1; and Section XII
Maximum Allowable Stress Values, S, for Ferrous Materials
(*See Maximum Temperature Limits for Restrictions on Class)

Line No.	Nominal Composition	Product Form	Spec. No.	Type/Grade	Alloy Desig./ UNS No.	Class/ Condition/ Temper	Size/ Thickness, mm	P-No.	Group No.
(23) 1	Carbon steel	Sheet	SA-1008	CS-A	...	...	...	1	1
2	Carbon steel	Sheet	SA-1008	CS-B	1	1
3	Carbon steel	Bar	SA-675	45	1	1
4	Carbon steel	Wld. pipe	SA-134	A283A	1	1
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6	Carbon steel	Plate	SA-285	A	K01700	1	1
7	Carbon steel	Wld. pipe	SA-672	A45	K01700	1	1
8	Carbon steel	Sheet	SA-414	A	K01501	...	...	1	1
9	Carbon steel	Wld. tube	SA-178	A	K01200	...	...	1	1
10	Carbon steel	Wld. tube	SA-178	A	K01200	...	...	1	1
11	Carbon steel	Smls. tube	SA-179	...	K01200	...	...	1	1
12	Carbon steel	Smls. tube	SA-192	...	K01201	...	...	1	1
13	Carbon steel	Wld. tube	SA-214	...	K01807	...	...	1	1
14	Carbon steel	Smls. tube	SA-556	A2	K01807	...	...	1	1
15	Carbon steel	Wld. tube	SA-557	A2	K01807	...	...	1	1
16	Carbon steel	Wld. pipe	SA-53	E/A	K02504	...	...	1	1
17	Carbon steel	Wld. pipe	SA-53	E/A	K02504	...	...	1	1
18	Carbon steel	Wld. pipe	SA-53	E/A	K02504	...	...	1	1
19	Carbon steel	Wld. pipe	SA-53	F/A	...	...	...	1	1
20	Carbon steel	Smls. pipe	SA-53	S/A	K02504	...	...	1	1
21	Carbon steel	Smls. pipe	SA-53	S/A	K02504	...	...	1	1
22	Carbon steel	Smls. pipe	SA-106	A	K02501	...	...	1	1
23	Carbon steel	Wld. pipe	SA-135	A	...	...	...	1	1
24	Carbon steel	Forged pipe	SA-369	FPA	K02501	...	...	1	1
25	Carbon steel	Wld. pipe	SA-587	...	K11500	...	...	1	1
26	Carbon steel	Wld. pipe	SA-587	...	K11500	...	...	1	1
27	Carbon steel	Bar	SA-675	50	1	1
28	Carbon steel	Bar	SA-675	50	1	1
29	Carbon steel	Wld. pipe	SA-134	A283B	1	1
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31	Carbon steel	Plate	SA-285	B	K02200	1	1
32	Carbon steel	Plate	SA-285	B	K02200	1	1
33	Carbon steel	Wld. pipe	SA-672	A50	K02200	...	...	1	1
34	Carbon steel	Sheet	SA-414	B	K02201	...	...	1	1
35	Carbon steel	Plate	SA/EN 10028-3	P275NH	...	...	150 < t ≤ 250	1	1
36	Carbon steel	Plate	SA/EN 10028-2	P235GH	...	...	≤ 60	1	1
37	Carbon steel	Smls. tube	SA/EN 10216-2	P235GH	...	...	40 < t ≤ 60	1	1
38	Carbon steel	Plate	SA/EN 10028-3	P275NH	...	...	100 < t ≤ 150	1	1
39	Carbon steel	Smls. tube	SA/EN 10216-2	P235GH	...	...	16 < t ≤ 40	1	1
40	Carbon steel	Smls. tube	SA/EN 10216-2	P235GH	...	...	t ≤ 16	1	1
41	Carbon steel	Sheet, strip	SA-1011	36	SS	Type 1	t ≤ 6	...	...
42	Carbon steel	Plate	SA/EN 10028-3	P275NH	...	...	60 < t ≤ 100	1	1
43	Carbon steel	Sheet, strip	SA-1011	40	SS	...	t ≤ 6	...	...
44	Carbon steel	Sheet, strip	SA-1011	45	HSLAS	2	...	...	...
45	Carbon steel	Bar	SA-675	55	...	...	...	1	1