

Compound Selections for Commonly Used SAE and ASTM Specifications

This table is in accordance with the 1997 revision of ASTM D2000, which requires that minimum tensile strength indications shall be expressed in SI units (Megapascals). The “M” prefix in these callouts signifies this fact, and the requirement is shown in the 6th and 7th characters of each specification

(excluding the “ASTM D2000”). For example, in the specification number M2BC614, the “14” indicates that the tensile strength of the material shall not fall below 14 MPa. To convert this value to psi (pounds per square inch), multiply by 145. In this example, the equivalent is 104.1 Bar (2030 psi) .

ASTM D200-97 Specification	MIL-R-3065 ASTM D735-58/ SAE J14 Specification	Parker Compound Number
M2AA708 A13 EA14 F17		E0603-70
M2AA810 A13 EA14 F17 Z1 (Purple)		E0893-80
M2AA810 A13 EA14 F17	R810BF ₂	E0515-80
M2AA810 A13 EA14 F17	R810BF ₂	E0540-80
M2AA907 A13 EA14 F17		E0652-90
M3BA707 A14		B0612-70
M2BC510 A14 B14 EO14 EO34 F17	SC515BE ₁ E ₃ F ₂	C0267-50
M3BC614 A14 B14 EO14 EO34 F17	SC615BE ₁ E ₃ F ₁	C0518-60
M3BC710 A14 B14 EO14 EO34	SC715BE ₃ F ₁	C0873-70
M3BC710 A14 B14 EO14 EO34 F17	SC715BE ₃ F ₂	C1124-70
M2BE510 A14 B14 EO14 EO34 F17		C0267-50
M2BE614 A14 B14 EO14 EO34 F17		C0518-60
M3BE710 A14 B14 EO14 EO34		C0873-70
M2BE710 A14 B14 EO14 EO34 F17		C0147-70
M2BF714 B34 EO14 EO34		N0674-70
M2BG410 B34 EA14 EF11 EF21 EO14 EO34	SB415BE ₁ E ₃ F ₁	N0545-40
M5BG410 A14 B34 EO14 EO34		N0545-40
M2BG510 B14 EA14 EF11 EF21 EO14 EO34 F17	SB515A ₁ BE ₁ E ₃ F ₂	N0299-50
M2BG510 A14 B14		N0299-50
M2BG608 B34 EA14 EO14 F17 Z1 (65 ± 5 Type A Durometer)	SB712BE ₃ F ₂	N0506-65
M2BG614 B34 EA14 EF11 EF21 EO14 EO34 F17	SB620BE ₁ F ₁	N0525-60
M2BG708 EA14 EF11 EF21 EO14 EO34 F17		N0602-70
M2BG708 EF11 EF21 EO34 F17		47-071
M5BG710 A14 B14		N0497-70
M2BG710 B14 B34 EA14 EF11 EF21		N0497-70
M2BG714 B14 B34 EA14 EF11 EF21 EO14 EO34	SB715A ₁ BE ₁ E ₃	N0674-70
M(5)BG714 A14 B14 B34 EO14 EO34		N0103-70
M2BG714 B14 B34 EA14 EF11 EF21 EO14 EO34 F17	SB715BE ₁ E ₃ F ₂	N0103-70
M4BG721 B14 EO14 EO34		P0642-70
M7BG810 EA14 EF11 EF21 EO14 EO34 Z1 (75 ± 5 Type A Durometer) Z2 (1)		N0951-75
M7BG810 EA14 EF11 EO14 EO34 F16 Z1 (75 ± 5 Type A Durometer)	SB708E ₁ E ₃ F ₂	N0304-75
M7BG910 B14 EA14 EF11 EF21 EO14 EO34 F16	SB915BE ₁ E ₃	N0507-90
M2BG910 B14 EA14 EF21 EO14 EO34	SB915BE ₁ E ₃	N0552-90
M(2)CA614 A25 B44		E0529-60
M3CA710 A25 B44 EA14		E1244-70
M4CA714 A25 B35 EA14 F17 G21		E0803-70
M8CA814 A25 B35 EA14 F17		E0810-80

Prefix (grade) numbers and suffix letters in parenthesis are technically “not permitted”, but nevertheless, they describe a property of the material. Explanations in parenthesis apply to the Z suffix letters.

(1) Compression Set = 20% max. after 70 hours at 125°C when tested on plied discs per ASTM D395.

Table 8-5: Compound Selectons for Commonly Used SAE and ASTM Specifications