

Alloy Steel Grade and Specs

Grade	300M/4340M
Melt Type	Triple Melt VAR

Specifications associated with this alloy:
 Normalized & Sub-Critical Anneal Rc 33 Max
 PER BAC 5617, AMS-H-6875 Heat Treat Alloy Steel,
 AMS 6257, AMS 6417 AMS 6419
 BOEING; LONG BEACH DMS 1935
 BOEING; BMS 7-26 (TYPE 1)
 GRUMMAN GM 1012
 CPS 4911
 LOCKHEED C-05-1190
 ASTM A322 HR
 MIL-S-8844
 AMS 2300
 FRACTURE TOUGHNESS TEST ASTM E399
 ULTRA SONIC INSPECTED;AMS-STD-2154 CL. AA
 FORGE PER; DMS 1800 CLASS 1 GRADE A, MIL-F-7190

Grade	4330M
Melt Type	VAR

Specifications associated with this alloy:
 Normalized & Sub-Critical Anneal Rc 23 Max Or Annealed Cond.
 PER BAC 5617, AMS-H-6875 Heat Treat Alloy Steel, AMS 6411, AMS 6427
 BOEING; BMS 7-122
 BOEING; BMS 7-27 (TYPE 1)
 GRUMMAN GM 1010
 GENERAL DYNAMICS FMS 1012
 CPS 4911
 LOCKHEED C-05-1190
 ASTM A322 HR
 MIL-S-8699
 MAGNETIC PARTICLE AMS 2300
 FRACTURE TOUGHNESS TEST ASTM E399
 ULTRA SONIC INSPECTED;AMS-STD-2154 CL. AA
 FORGE PER; DMS 1800 CLASS 1 GRADE A, MIL-F-7190

Grade	4340
Melt Type	VAR/AIR

Specifications associated with this alloy:
 Normalized & Tempered Thermal Cond. Or Annealed Cond.
 PER BAC 5617, AMS-H-6875 Heat Treat Alloy Steel, AMS 6414, AMS 6415, AMS-S-5000
 CAPABLE OF AMS 6359
 BOEING; LONG BEACH DMS 1555 GRADE A



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BOEING; BMS 7-28
BPS 299-947-055 TYPE 1
MIL-S-8844
MAGNETIC PARTICLE AMS 2300, AMS 2301
FRACTURE TOUGHNESS TEST ASTM E399
ULTRA SONIC INSPECTED;AMS-STD-2154 CL. AA
FORGE PER; DMS 1800 CLASS 1 GRADE A, MIL-F-7190

Grade	HY-TUF
Melt Type	VAR/AIR

Specifications associated with this alloy:
Normalized & Tempered Thermal Cond. Or Annealed Cond.
PER BAC 5617, AMS-H-6875 Heat Treat Alloy Steel, AMS 6418
BOEING; LONG BEACH DMS 1841 GRADE A TY.1
AMS-S-7108
ASTM A322 HR
MAGNETIC PARTICLE AMS 2300, AMS 2301, AMS 2304
FRACTURE TOUGHNESS TEST ASTM E399
ULTRA SONIC INSPECTED;AMS-STD-2154 CL. AA
FORGE PER; DMS 1800 CLASS 1 GRADE A, MIL-F-7190

Grade	HP9-4-30
Melt Type	VAR

Specifications associated with this alloy:
Normalized & Tempered Thermal Cond.
BMS7-182C TY.2
AMS 6526
MAGNETIC PARTICLE AMS 2301, AMS 2304
FRACTURE TOUGHNESS TEST ASTM E399
ULTRA SONIC INSPECTED;AMS-STD-2154 CL. AA
FORGE PER; DMS 1800 CLASS 1 GRADE A, MIL-F-7190

Grade	9310 (H-BAND)
Melt Type	VAR/AIR

Specifications associated with this alloy:
Normalized & Tempered Thermal Cond.
AMS 6265
AMS 6267 TY.2
AMS 6260
EMS 56279
EMS 56280
BELL, BPS 299-947-032
AIRESEARCH HT-5042
MIL-S-7393
MIL-S-83030 C
MAGNETIC PARTICLE AMS 2300, AMS 2301
ULTRA SONIC INSPECTED;AMS-STD-2154 CL. AA
FORGE PER; MIL-F-7190

Grade 52100
Melt Type VAR/AIR

Specifications associated with this alloy:
Normalized & Tempered Thermal Cond.
Or Annealed Cond.
AMS 6444
AMS 6440
MIL-S-7420
MAGNETIC PARTICLE AMS 2300, AMS 2301
ULTRA SONIC INSPECTED;AMS-STD-2154 CL. AA
FORGE PER; MIL-F-7190

Grade D6AC
Melt Type VAR

Specifications associated with this alloy:
Normalized & Tempered Thermal Cond. Or Annealed Cond.
AMS 6431
AMS-S-8949
MIL-S-8949
GENERAL DYNAMICS;FMS 1011
LOCKHEED; LMC 05-2190
GM 1013
MAGNETIC PARTICLE AMS 2300
ULTRA SONIC INSPECTED;AMS-STD-2154 CL. AA
FORGE PER; MIL-F-7190

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