

AMERICAN AIRCRAFT QUALITY ALLOY STEEL BAR-ANALYSIS

	C	Mn	P Max.	S Max.	Si	Ni	Cr	Mo	Cu Max.	V	Al
E4130 AMS 6370 NORMALIZED ROUNDS, SQUARES AND FLATS MIL-6758 CONDITION D1-D4 (MIL-S 6758 SUPERSEDED BY AMS-S-6758)	.28/.33	.40/.60	.025	.025	.15/.35	.25 max.	.80/1.10	.15/.25	.35	-	-
E4130 AMS 6370 ANNEALED ROUNDS & HEXAGONS MIL-S-6758 CONDITION C1-C4	.28/.33	.40/.60	.025	.025	.15/.35	.25 max.	.80/1.10	.15/.25	.35	-	-
E4130 AMS 6370 HEAT-TREATED ROUNDS AND FLATS MIL-S-6758 CONDITION F4	.28/.33	.40/.60	.025	.025	.15/.35	.25 max.	.80/1.10	.15/.25	.35	-	-
E4140 AMS 6382 ANNEALED ROUNDS, HEXAGONS, SQUARES AND FLATS MIL-S-5626 CONDITIONS C1-C4 (MIL-S-5626 OBSOLETE)	.38/.43	.75/1.00	.025	.025	.15/.35	.25 max.	.80/1.10	.15/.25	.35	-	-
E4140 AMS 6382 HEAT-TREATED ROUNDS MIL-S-5626 CONDITION F1 (MIL-S-5626 OBSOLETE)	.38/.43	.75/1.00	.025	.025	.15/.35	.25 max.	.80/1.10	.15/.25	.35	-	-
E4340 AMS 6415 ANNEALED HEXAGONS MIL-S-5000 CONDITION C1-C4 (MIL-S-5000 SUPERSEDED BY AMS-S-5000)	.38/.43	.65/.85	.025	.025	.15/.35	1.65/2.00	.70/.90	.20/.30	.35	-	-
E4340 AMS 6415 NORMALIZED & TEMPERED ROUNDS AND FLATS MIL-S-5000 CONDITION E1-E4	.38/.43	.65/.85	.025	.025	.15/.35	1.65/2.00	.70/.90	.20/.30	.35	-	-
E4340 HI TRANS AMS 6415 NORMALIZED & TEMPERED ROUNDS MIL-S-5000 CONDITION C1-C4	.38/.43	.65/.85	.025	.025	.15/.35	1.65/2.00	.70/.90	.20/.30	.35	-	-
E4620 AMS 6294 ROUNDS B1/B4	.17/.22	.45/.65	.025	.025	.15/.35	1.65/2.00	-	.20/.30	.35	-	-
E8617 AMS 6272 ROUNDS CONDITION B1-B4	.15/.20	.70/1.00	.025	.025	.15/.35	.40/.70	.40/.60	.15/.25	.35	-	-
E8620 AMS 6274 ROUNDS MIL-S-8690 CONDITION B1-B4 (MIL-S-8690 SUPERSEDED BY AMS-S-8690)	.17/.23	.60/.95	.025	.025	.15/.35	.35/.75	.35/.65	.15/.25	.35	-	-
E8740 AMS 6322 ANNEALED ROUNDS AND HEXAGONS MIL-S-6049 CONDITION C1-C4 (MIL-S-6049 SUPERSEDED BY AMS-S-6049)	.38/.43	.75/1.00	.025	.025	.15/.35	.40/.70	.40/.60	.20/.30	.35	-	-
E9310 AMS 6260 NORMALIZED & TEMPERED ROUNDS CONDITION E1-E4	.07/.13	.40/.70	.025	.025	.15/.35	3.00/3.50	1.00/1.40	.08/.15	.35	-	-
NITRIDING 135 MODIFIED AMS 6472 HEAT-TREATED ROUNDS MIL-S-6709 C1-C4 (MIL-S-6709 SUPERSEDED BY AMS-S-6709)	.38/.43	.50/.80	.025	.025	.20/.40	.25 max.	1.40/1.80	.30/.40	.35	-	.95/1.30
Hy-Tuf AMS 6418 NORMALIZED & TEMPERED ROUNDS AIRCRAFT QUALITY E-1	.23/.28	1.20/1.50	.025	.025	1.30/1.70	1.65/2.00	.20/.40	.35/.45	.35	-	-
E6150 AMS 6448 ANNEALED ROUNDS C1-C4	.48/.53	.70/.90	.025	.025	.15/.35	.25 max.	.80/1.10	.06 max.	.35	.15/.30	-
9 Cr Mo HT-ASTM A322; ASTM A276	.15 max.	.30/.60	.30	.030	.25/1.00	-	8.00/10.00	.90/1.10	-	-	-
Ultra-Tuff ASTM A322	.20/.30	.80/1.20	.015	.010	.20/.40	3.25/4.00	1.25/2.00	.25/.50	-	-	-