



Silver City

MECHANICAL PROPERTIES

Alloy and temper	Thickness, ¹ inch	Area, sq. in.	Mechanical property limits					Typical mechanical properties		
			Tensile strength — ksi				Elongation ² percent minimum in 2 in. or 4D ³	Tensile strength — ksi		Elongation percent in 2 in. or 4D ³
			Ultimate		Yield			Ultimate	Yield	
			Min.	Max.	Min.	Max.				
6005										
6005-T1	Up thru 0.500	Up thru 32	25.0	—	13.0	—	16	30	17	25
6005-T5	Up thru 0.124	Up thru 32	38.0	—	35.0	—	8	43	38	11
	0.125-0.500	Up thru 32	38.0	—	35.0	—	10	43	38	13
6063										
6063-O ^{5/6}	All	All	—	19.0	—	—	18	—	—	—
6063-T4 ¹⁰	Up thru 0.500	Up thru 20	19.0	—	10.0	—	14	24	13	24
	0.501-1.000	Up thru 25	18.0	—	9.0	—	14	23	12	24
6063-T1 ⁸	Up thru 0.500	Up thru 20	17.0	—	9.0	—	12	22	12	24
	0.501-1.000	Up thru 25	16.0	—	8.0	—	12	22	11	24
6063-T5	Up thru 0.500	Up thru 20	22.0	—	16.0	—	8	33	29	14
	0.501-1.000	Up thru 25	21.0	—	15.0	—	8	32	27	18
6063-T52	Up thru 0.500	Up thru 20	22.0	30.0	16.0	25.0	8	26	21	16
6063-T6 and -T62 ¹¹	Up thru 0.124	Up thru 20	30.0	—	25.0	—	8	36	32	12
	0.125-1.000	Up thru 25	30.0	—	25.0	—	10	36	32	14

6463

6463-T4 ¹⁰	Up thru 0.500	Up thru 20	19.0	—	10.0	—	14	25	15	20
6463-T1 ⁸	Up thru 0.500	Up thru 20	17.0	—	9.0	—	12	22	13	20
6463-T5	Up thru 0.500	Up thru 20	22.0	—	16.0	—	8	27	21	12
6463-T6 and -T62 ¹¹	Up thru 0.124	Up thru 20	30.0	—	25.0	—	8	35	31	12
	0.125-0.500	Up thru 25	30.0	—	25.0	—	10	35	31	12