

## ACCEPTABLE QUALITY LEVEL

Also referred to as Assured Quality Level. The largest quantity of defectives in a certain sample size that can make the lot definitely acceptable; Customer will definitely prefer the zero defect products or services and will ultimately establish the acceptable level of quality. Competition however, will 'educate' the customer and establish the customer's values. There is only one ideal acceptable quality level – zero defects – all others are compromises based upon acceptable business, financial and safety levels.

**TABLE 1-A**

Lot Size		Code Letter	Acceptable Quality Level (AQL)							
			.65 (Re)	1.0 (Re)	1.5 (Re)	2.5 (Re)	4.0 (Re)	6.5 (Re)	10 (Re)	15 (Re)
2 ...	8	A					↓	1	↑	↓
9 ...	15	B				↓	1	↑	↓	2
16 ...	25	C			↓	1	↑	↓	2	3
26 ...	50	D		↓	1	↑	↓	2	3	4
51 ...	90	E	↓	1	↑	↓	2	3	4	6
91 ...	150	F	1	↑	↓	2	3	4	6	8
151 ...	280	G	↑	↓	2	3	4	6	8	1
281 ...	500	H	↓	2	3	4	6	8	11	15
501 ...	1,200	J	2	3	4	6	8	11	15	22
1,201 ...	3,200	K	3	4	6	8	11	15	22	↑
3,201 ...	10,000	L	4	6	8	11	15	22	↑	
10,001 ...	35,000	M	6	8	11	15	22	↑		
35,001 ...	150,000	N	8	11	15	22	↑			
150,001 ...	500,000	P	11	15	22	↑				
500,001 ...	over	Q	15	22	↑					

NOTE TO WRITER:

↓ = use first sampling plan below arrow

↑ = use first sampling plan above arrow



**TABLE 1-B**

Lot Size		Code Letter	Acceptable Quality Level (AQL)							
			.65 (Re)	1.0 (Re)	1.5 (Re)	2.5 (Re)	4.0 (Re)	6.5 (Re)	10 (Re)	15 (Re)
2 ...	8	A						↓		
9 ...	15	B					↓	1		↓
16 ...	25	C				↓	1		↓	2
26 ...	50	D			↓	1		↓	2	3
51 ...	90	E		↓	1		↓	2	3	4
91 ...	150	F	↓	1		↓	2	3	4	6
151 ...	280	G	1		↓	2	3	4	6	9
281 ...	500	H		↓	2	3	4	6	9	13
501 ...	1,200	J	↓	2	3	4	6	9	13	19
1,201 ...	3,200	K	2	3	4	6	9	13	19	↑
3,201 ...	10,000	L	3	4	6	9	13	19	↑	
10,001 ...	35,000	M	4	6	9	13	19	↑		
35,001 ...	150,000	N	6	9	13	19	↑			
150,001 ...	500,000	P	9	13	19	↑				
500,001 ...	over	Q	13	19	↑					

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**TABLE 1-C**

Lot Size		Code Letter	Acceptable Quality Level (AQL)							
			.65 (Re)	1.0 (Re)	1.5 (Re)	2.5 (Re)	4.0 (Re)	6.5 (Re)	10 (Re)	15 (Re)
2 ...	8	A					↓	1		↓
9 ...	15	B				↓	1	↑	↓	2
16 ...	25	C			↓	1	↑	↓	2	3
26 ...	50	D		↓	1	↑	↓	2	3	4
51 ...	90	E	↓	1	↑	↓	2	3	4	5
91 ...	150	F	1	↑	↓	2	3	4	5	6
151 ...	280	G	↑	↓	2	3	4	5	6	8
281 ...	500	H	↓	2	3	4	5	6	8	10
501 ...	1,200	J	2	3	4	5	6	8	10	13
1,201 ...	3,200	K	3	4	5	6	8	10	13	↑
3,201 ...	10,000	L	4	5	6	8	10	13	↑	
10,001 ...	35,000	M	5	6	8	10	13	↑		
35,001 ...	150,000	N	6	8	10	13	↑			
150,001 ...	500,000	P	8	10	13	↑				
500,001 ...	over	Q	10	13	↑					

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