

KUMPULAN TABEL DODGE-ROMIG

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Dodge-Romig Tables.

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Table 1. Dodge and Romig Single Sampling Lot Inspection Table.
Based on Stated Value of Lot Tolerance Per Cent Defective (LTPD) = 1.0 % and Consumer's Risk = 0.10.

LOT SIZE	PROCESS AVERAGE (%)																	
	0 - 0.010			0.011 - 0.10			0.11 - 0.20			0.21 - 0.30			0.31 - 0.40			0.41 - 0.50		
	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)
1 - 120	All	0	0.00	All	0	0.00	All	0	0.00	All	0	0.00	All	0	0.00	All	0	0.00
121 - 150	120	0	0.06	120	0	0.06	120	0	0.06	120	0	0.06	120	0	0.06	120	0	0.06
151 - 200	140	0	0.08	140	0	0.08	140	0	0.08	140	0	0.08	140	0	0.08	140	0	0.08
201 - 300	165	0	0.10	165	0	0.10	165	0	0.10	165	0	0.10	165	0	0.10	165	0	0.10
301 - 400	175	0	0.12	175	0	0.12	175	0	0.12	175	0	0.12	175	0	0.12	175	0	0.12
401 - 500	180	0	0.13	180	0	0.13	180	0	0.13	180	0	0.13	180	0	0.13	180	0	0.13
501 - 600	190	0	0.13	190	0	0.13	190	0	0.13	190	0	0.13	190	0	0.13	305	1	0.14
601 - 800	200	0	0.14	200	0	0.14	200	0	0.14	330	1	0.15	330	1	0.15	330	1	0.15
801 - 1000	205	0	0.14	205	0	0.14	205	0	0.14	335	1	0.17	335	1	0.17	335	1	0.17
1001 - 2000	220	0	0.15	220	0	0.15	360	1	0.19	490	2	0.21	490	2	0.21	610	3	0.22
2001 - 3000	220	0	0.15	375	1	0.20	505	2	0.23	630	3	0.24	745	4	0.26	870	5	0.26
3001 - 4000	225	0	0.15	380	1	0.20	510	2	0.24	645	3	0.25	880	5	0.28	1000	6	0.29
4001 - 5000	225	0	0.16	380	1	0.20	520	2	0.24	770	4	0.28	895	5	0.29	1120	7	0.31
5001 - 7000	230	0	0.16	385	1	0.21	655	3	0.27	780	4	0.29	1020	6	0.32	1260	8	0.34
7001 - 10000	230	0	0.16	520	2	0.25	660	3	0.28	910	5	0.32	1150	7	0.34	1500	10	0.37
10001 - 20000	390	1	0.21	525	2	0.26	785	4	0.31	1040	6	0.35	1400	9	0.39	1980	14	0.43
20001 - 50000	390	1	0.21	530	2	0.26	920	5	0.34	1300	8	0.39	1890	13	0.44	2570	19	0.48
50001 - 100000	390	1	0.21	670	3	0.29	1040	6	0.36	1420	9	0.41	2120	15	0.47	3150	23	0.50

n : size of sample; entry of "All" indicates that each piece in lot is to be inspected.

c : acceptance number for sample.

AOQL : average outgoing quality limit.

Table 2. Dodge and Romig Single Sampling Lot Inspection Table.

Based on Stated Value of Lot Tolerance Per Cent Defective (LTPD) = 2.0 % and Consumer's Risk = 0.10.

LOT SIZE	Process Average (%)																	
	0 - 0.02			0.03 - 0.20			0.21 - 0.40			0.41 - 0.60			0.61 - 0.80			0.81 - 1.00		
	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)
1 - 75	All	0	0.00	All	0	0.00	All	0	0.00	All	0	0.00	All	0	0.00	All	0	0.00
76 - 100	70	0	0.16	70	0	0.16	70	0	0.16	70	0	0.16	70	0	0.16	70	0	0.16
101 - 200	85	0	0.25	85	0	0.25	85	0	0.25	85	0	0.25	85	0	0.25	85	0	0.25
201 - 300	95	0	0.26	95	0	0.26	95	0	0.26	95	0	0.26	95	0	0.26	95	0	0.26
301 - 400	100	0	0.28	100	0	0.28	100	0	0.28	160	1	0.32	160	1	0.32	160	1	0.32
401 - 500	105	0	0.28	105	0	0.28	105	0	0.28	165	1	0.34	165	1	0.34	165	1	0.34
501 - 600	105	0	0.29	105	0	0.29	175	1	0.34	175	1	0.34	175	1	0.34	235	2	0.36
601 - 800	110	0	0.29	110	0	0.29	180	1	0.36	240	2	0.40	240	2	0.40	300	3	0.41
801 - 1000	115	0	0.28	115	0	0.28	185	1	0.37	245	2	0.42	305	3	0.44	305	3	0.44
1001 - 2000	115	0	0.30	190	1	0.40	255	2	0.47	325	3	0.50	380	4	0.54	440	5	0.56
2001 - 3000	115	0	0.31	190	1	0.41	260	2	0.48	385	4	0.58	450	5	0.60	565	7	0.64
3001 - 4000	115	0	0.31	195	1	0.41	330	3	0.54	450	5	0.63	510	6	0.65	690	9	0.70
4001 - 5000	195	1	0.41	260	2	0.50	335	3	0.54	455	5	0.63	575	7	0.69	750	10	0.74
5001 - 7000	195	1	0.42	265	2	0.50	335	3	0.55	515	6	0.69	640	8	0.73	870	12	0.80
7001 - 10000	195	1	0.42	265	2	0.50	395	4	0.62	520	6	0.69	760	10	0.79	1050	15	0.86
10001 - 20000	200	1	0.42	265	2	0.51	460	5	0.67	650	8	0.77	885	12	0.86	1230	18	0.94
20001 - 50000	200	1	0.42	335	3	0.58	520	6	0.73	710	9	0.81	1060	15	0.93	1520	23	1.00
50001 - 100000	200	1	0.42	335	3	0.58	585	7	0.76	770	10	0.84	1180	17	0.97	1690	26	1.10

n : Size of Sample; entry of "All" indicates that each piece in lot is to be inspected.

c : Allowable Defect Number for Sample.

AOQL : Average Outgoing Quality Limit.

Table 3. Dodge and Romig Single Sampling Lot Inspection Table.

Based on Stated Value of Lot Tolerance Per Cent Defective (LTPD) = 3.0 % and Consumer's Risk = 0.10.

LOT SIZE	Process Average (%)																	
	0 - 0.03			0.04 - 0.30			0.31 - 0.60			0.61 - 0.90			0.91 - 1.20			1.21 - 1.50		
	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)
1 - 40	All	0	0.00	All	0	0.00	All	0	0.00	All	0	0.00	All	0	0.00	All	0	0.00
41 - 55	40	0	0.18	40	0	0.18	40	0	0.18	40	0	0.18	40	0	0.18	40	0	0.18
56 - 100	55	0	0.30	55	0	0.30	55	0	0.30	55	0	0.30	55	0	0.30	55	0	0.30
101 - 200	65	0	0.38	65	0	0.38	65	0	0.38	65	0	0.38	65	0	0.38	65	0	0.38
201 - 300	70	0	0.40	70	0	0.40	70	0	0.40	110	1	0.48	110	1	0.48	110	1	0.48
301 - 400	70	0	0.43	70	0	0.43	115	1	0.52	115	1	0.52	115	1	0.52	155	2	0.54
401 - 500	70	0	0.45	70	0	0.45	120	1	0.53	120	1	0.53	160	2	0.58	160	2	0.58
501 - 600	75	0	0.43	75	0	0.43	120	1	0.56	160	2	0.63	160	2	0.63	200	3	0.65
601 - 800	75	0	0.44	125	1	0.57	125	1	0.57	165	2	0.66	205	3	0.71	240	4	0.74
801 - 1000	75	0	0.45	125	1	0.59	170	2	0.67	210	3	0.73	250	4	0.76	290	5	0.78
1001 - 2000	75	0	0.47	130	1	0.60	175	2	0.72	260	4	0.85	300	5	0.90	380	7	0.95
2001 - 3000	75	0	0.48	130	1	0.62	220	3	0.82	300	5	0.95	385	7	1.00	460	9	1.10
3001 - 4000	130	1	0.63	175	2	0.75	220	3	0.84	305	5	0.96	425	8	1.10	540	11	1.20
4001 - 5000	130	1	0.63	175	2	0.76	260	4	0.91	345	6	1.00	465	9	1.10	620	13	1.20
5001 - 7000	130	1	0.63	175	2	0.76	265	4	0.92	390	7	1.10	505	10	1.20	700	15	1.30
7001 - 10000	130	1	0.64	175	2	0.77	265	4	0.93	390	7	1.10	550	11	1.20	775	17	1.40
10001 - 20000	130	1	0.64	175	2	0.78	305	5	1.00	430	8	1.20	630	13	1.30	900	20	1.50
20001 - 50000	130	1	0.65	225	3	0.86	350	6	1.10	520	10	1.20	750	16	1.40	1090	25	1.60
50001 - 100000	130	1	0.65	265	4	0.96	390	7	1.10	590	12	1.30	830	18	1.50	1215	28	1.60

n : Size of Sample; entry of "All" indicates that each piece in lot is to be inspected.

c : Allowable Defect Number for Sample.

AOQL : Average Outgoing Quality Limit.

Table 4. Dodge and Romig Single Sampling Lot Inspection Table.

Based on Stated Value of Lot Tolerance Per Cent Defective (LTPD) = 5.0 % and Consumer's Risk = 0.10.

LOT SIZE	Process Average (%)																	
	0 - 0.05			0.06 - 0.50			0.51 - 1.00			1.01 - 1.50			1.51 - 2.00			2.01 - 2.50		
	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)	<i>n</i>	<i>c</i>	AOQL (%)
1 - 30	All	0	0.00	All	0	0.00	All	0	0.00	All	0	0.00	All	0	0.00	All	0	0.00
31 - 50	30	0	0.49	30	0	0.49	30	0	0.49	30	0	0.49	30	0	0.49	30	0	0.49
51 - 100	37	0	0.63	37	0	0.63	37	0	0.63	37	0	0.63	37	0	0.63	37	0	0.63
101 - 200	40	0	0.74	40	0	0.74	40	0	0.74	40	0	0.74	40	0	0.74	40	0	0.74
201 - 300	43	0	0.74	43	0	0.74	70	1	0.92	70	1	0.92	95	2	0.99	95	2	0.99
301 - 400	44	0	0.74	44	0	0.74	70	1	0.99	100	2	1.00	120	3	1.00	145	4	1.10
401 - 500	45	0	0.75	75	1	0.95	100	2	1.10	100	2	1.10	125	3	1.20	150	4	1.20
501 - 600	45	0	0.76	75	1	0.98	100	2	1.10	125	3	1.20	150	4	1.30	175	5	1.30
601 - 800	45	0	0.77	75	1	1.00	100	2	1.20	130	3	1.20	175	5	1.40	200	6	1.40
801 - 1000	45	0	0.78	75	1	1.00	105	2	1.20	155	4	1.40	180	5	1.40	225	7	1.50
1001 - 2000	45	0	0.80	75	1	1.00	130	3	1.40	180	5	1.60	230	7	1.70	280	9	1.80
2001 - 3000	75	1	1.10	105	2	1.30	135	3	1.40	210	6	1.70	280	9	1.90	370	13	2.10
3001 - 4000	75	1	1.10	105	2	1.30	160	4	1.50	210	6	1.70	305	10	2.00	420	15	2.20
4001 - 5000	75	1	1.10	105	2	1.30	160	4	1.50	235	7	1.80	330	11	2.00	440	16	2.20
5001 - 7000	75	1	1.10	105	2	1.30	185	5	1.70	260	8	1.90	350	12	2.20	490	18	2.40
7001 - 10000	75	1	1.10	105	2	1.30	185	5	1.70	260	8	1.90	380	13	2.20	535	20	2.50
10001 - 20000	75	1	1.10	135	3	1.40	210	6	1.80	285	9	2.00	425	15	2.30	610	23	2.60
20001 - 50000	75	1	1.10	135	3	1.40	235	7	1.90	305	10	2.10	470	17	2.40	700	27	2.70
50001 - 100000	75	1	1.10	160	4	1.60	235	7	1.90	355	12	2.20	515	19	2.50	770	30	2.80

n : Size of Sample; entry of "All" indicates that each piece in lot is to be inspected.

c : Allowable Defect Number for Sample.

AOQL : Average Outgoing Quality Limit.

Table 5. Dodge-Romig Double Sampling Lot Inspection Table.

Based on Stated Value of Lot Tolerance Per Cent Defective (LTPD) = 1.0 % and Consumer's Risk = 0.10.

LOT SIZE	PROCESS AVERAGE (%)																	
	0 - 0.010						0.011 - 0.10						0.11 - 0.20					
	Trial 1		Trial 2			AOQL (%)	Trial 1		Trial 2			AOQL (%)	Trial 1		Trial 2			AOQL (%)
	n_1	c_1	n_2	$n_1 + n_2$	c_2		n_1	c_1	n_2	$n_1 + n_2$	c_2		n_1	c_1	n_2	$n_1 + n_2$	c_2	
1 - 120	All	0	-	-	-	0.00	All	0	-	-	-	0.00	All	0	-	-	-	0.00
121 - 150	120	0	-	-	-	0.06	120	0	-	-	-	0.06	120	0	-	-	-	0.06
151 - 200	140	0	-	-	-	0.08	140	0	-	-	-	0.08	140	0	-	-	-	0.08
201 - 260	165	0	-	-	-	0.10	165	0	-	-	-	0.10	165	0	-	-	-	0.10
261 - 300	180	0	75	255	1	0.10	180	0	75	255	1	0.10	180	0	75	255	1	0.10
301 - 400	200	0	90	290	1	0.12	200	0	90	290	1	0.12	200	0	90	290	1	0.12
401 - 500	215	0	100	315	1	0.14	215	0	100	315	1	0.14	215	0	100	315	1	0.14
501 - 600	225	0	115	340	1	0.15	225	0	115	340	1	0.15	225	0	115	340	1	0.15
601 - 800	235	0	125	360	1	0.16	235	0	125	360	1	0.16	235	0	125	360	1	0.16
801 - 1000	245	0	135	380	1	0.17	245	0	135	380	1	0.17	245	0	250	495	2	0.19
1001 - 2000	265	0	155	420	1	0.18	265	0	155	420	1	0.18	265	0	285	550	2	0.21
2001 - 3000	270	0	160	430	1	0.19	270	0	300	570	2	0.22	270	0	420	690	3	0.25
3001 - 4000	275	0	160	435	1	0.19	275	0	305	580	2	0.22	275	0	435	710	3	0.25
4001 - 5000	275	0	165	440	1	0.19	275	0	310	585	2	0.23	275	0	565	840	4	0.28
5001 - 7000	275	0	170	445	1	0.20	275	0	315	590	2	0.23	275	0	580	855	4	0.29
7001 - 10000	280	0	320	600	1	0.24	280	0	460	740	3	0.26	280	0	590	870	4	0.30
10001 - 20000	280	0	325	605	1	0.24	280	0	465	745	3	0.27	450	1	700	1150	6	0.33
20001 - 50000	280	0	325	605	1	0.25	280	0	605	885	4	0.30	450	1	830	1280	7	0.36
50001 - 100000	280	0	325	605	1	0.25	280	0	605	885	4	0.30	450	1	960	1410	8	0.38

n_1 = size of first sample; n_2 = size of second sample; entry of "All" indicates that each piece in lot is to be inspected.

c_1 = acceptance number for first sample. c_2 = acceptance number for first and second samples combined.

AOQL = average outgoing quality limit.

Table 6. Dodge-Romig Double Sampling Lot Inspection Table (continued).

Based on Stated Value of Lot Tolerance Per Cent Defective (LTPD) = 1.0 % and Consumer's Risk = 0.10.

LOT SIZE	PROCESS AVERAGE (%)																	
	0.21 - 0.30						0.31 - 0.40						0.41 - 0.50					
	Trial 1		Trial 2			AOQL (%)	Trial 1		Trial 2			AOQL (%)	Trial 1		Trial 2			AOQL (%)
	n_1	c_1	n_2	$n_1 + n_2$	c_2		n_1	c_1	n_2	$n_1 + n_2$	c_2		n_1	c_1	n_2	$n_1 + n_2$	c_2	
1 - 120	All	0	-	-	-	0.00	All	0	-	-	-	0.00	All	0	-	-	-	0.00
121 - 150	120	0	-	-	-	0.06	120	0	-	-	-	0.06	120	0	-	-	-	0.06
151 - 200	140	0	-	-	-	0.08	140	0	-	-	-	0.08	140	0	-	-	-	0.08
201 - 260	165	0	-	-	-	0.10	165	0	-	-	-	0.10	165	0	-	-	-	0.10
261 - 300	180	0	75	255	1	0.10	180	0	75	255	1	0.10	180	0	75	255	1	0.10
301 - 400	200	0	90	290	1	0.12	200	0	90	290	1	0.12	200	0	90	290	1	0.12
401 - 500	215	0	100	315	1	0.14	215	0	100	315	1	0.14	215	0	100	315	1	0.14
501 - 600	225	0	115	340	1	0.15	225	0	115	340	1	0.15	225	0	205	430	2	0.16
601 - 800	235	0	230	465	2	0.18	235	0	230	465	2	0.18	235	0	230	465	2	0.18
801 - 1000	245	0	250	495	2	0.19	245	0	250	495	2	0.19	245	0	250	495	2	0.19
1001 - 2000	265	0	405	670	3	0.23	265	0	515	780	4	0.24	265	0	515	780	4	0.24
2001 - 3000	270	0	545	815	4	0.26	430	1	620	1050	6	0.28	430	1	830	1260	8	0.30
3001 - 4000	435	1	645	1080	6	0.29	435	1	865	1300	8	0.30	580	2	940	1520	10	0.33
4001 - 5000	440	1	660	1100	6	0.30	440	1	1000	1440	9	0.33	585	2	1075	1660	11	0.35
5001 - 7000	445	1	785	1230	7	0.33	590	2	990	1580	10	0.36	730	3	1190	1920	13	0.38
7001 - 10000	450	1	920	1370	8	0.35	600	2	1240	1840	12	0.39	870	4	1540	2410	17	0.41
10001 - 20000	605	2	1035	1640	10	0.39	745	3	1485	2230	15	0.43	1150	6	1990	3140	23	0.44
20001 - 50000	605	2	1295	1900	12	0.42	885	4	1845	2730	19	0.47	1280	7	2600	3880	29	0.52
50001 - 100000	605	2	1545	2150	14	0.44	885	4	2085	2970	21	0.49	1410	8	3280	4690	36	0.55

n_1 = size of first sample; n_2 = size of second sample; entry of "All" indicates that each piece in lot is to be inspected.

c_1 = acceptance number for first sample. c_2 = acceptance number for first and second samples combined.

AOQL = average outgoing quality limit.

Table 7. Dodge-Romig Single Sampling Lot Inspection Table.

Based on Average Outgoing Quality Limit (AOQL) = 2.0 %.

LOT SIZE	PROCESS AVERAGE (%)																	
	0.00 - 0.04			0.05 - 0.40			0.41 - 0.80			0.81 - 1.20			1.21 - 1.60			1.61 - 2.00		
	<i>n</i>	<i>c</i>	LQL (%)	<i>n</i>	<i>c</i>	LQL (%)	<i>n</i>	<i>c</i>	LQL (%)	<i>n</i>	<i>c</i>	LQL (%)	<i>n</i>	<i>c</i>	LQL (%)	<i>n</i>	<i>c</i>	LQL (%)
1 - 15	All	0	-	All	0	-	All	0	-	All	0	-	All	0	-	All	0	-
16 - 50	14	0	13.6	14	0	13.6	14	0	13.6	14	0	13.6	14	0	13.6	14	0	13.6
51 - 100	16	0	12.4	16	0	12.4	16	0	12.4	16	0	12.4	16	0	12.4	16	0	12.4
101 - 200	17	0	12.2	17	0	12.2	17	0	12.2	17	0	12.2	35	1	10.5	35	1	10.5
201 - 300	17	0	12.3	17	0	12.3	17	0	12.3	37	1	10.2	37	1	10.2	37	1	10.2
301 - 400	18	0	11.8	18	0	11.8	38	1	10.0	38	1	10.0	38	1	10.0	60	2	8.5
401 - 500	18	0	11.9	18	0	11.9	39	1	9.8	39	1	9.8	60	2	8.6	60	2	8.6
501 - 600	18	0	11.9	18	0	11.9	39	1	9.8	39	1	9.8	60	2	8.6	60	2	8.6
601 - 800	18	0	11.9	40	1	9.6	40	1	9.6	65	2	8.0	65	2	8.0	85	3	7.5
801 - 1000	18	0	12.0	40	1	9.6	40	1	9.6	65	2	8.1	65	2	8.1	90	3	7.4
1001 - 2000	18	0	12.0	41	1	9.4	65	2	8.2	65	2	8.2	95	3	7.0	120	4	6.5
2001 - 3000	18	0	12.0	41	1	9.4	65	2	8.2	95	3	7.0	120	4	6.5	180	6	5.8
3001 - 4000	18	0	12.0	42	1	9.3	65	2	8.2	95	3	7.0	155	5	6.0	210	7	5.5
4001 - 5000	18	0	12.0	42	1	9.3	70	2	7.5	125	4	6.4	155	5	6.0	245	8	5.3
5001 - 7000	18	0	12.0	42	1	9.3	95	3	7.0	125	4	6.4	185	6	5.6	280	9	5.1
7001 - 10000	42	1	9.3	70	2	7.5	95	3	7.0	155	5	6.0	220	7	5.4	350	11	4.8
10001 - 20000	42	1	9.3	70	2	7.6	95	3	7.0	190	6	5.6	290	9	4.9	460	14	4.4
20001 - 50000	42	1	9.3	70	2	7.6	125	4	6.4	220	7	5.4	395	12	4.5	720	21	3.9
50001 - 100000	42	1	9.3	95	3	7.0	160	5	5.9	290	9	4.9	505	15	4.2	955	27	3.7

n : size of sample; entry of "All" indicates that each piece in lot is to be inspected.

c : acceptance number for sample.

LQL : limiting quality level corresponding to a consumer's risk (β) = 0.10.

Table 8. Dodge-Romig Single Sampling Lot Inspection Table.

Based on Average Outgoing Quality Limit (AOQL) = 2.5 %.

LOT SIZE	PROCESS AVERAGE (%)																	
	0.00 - 0.05			0.06 - 0.50			0.51 - 1.00			1.01 - 1.50			1.51 - 2.00			2.01 - 2.50		
	<i>n</i>	<i>c</i>	LQL (%)	<i>n</i>	<i>c</i>	LQL (%)	<i>n</i>	<i>c</i>	LQL (%)	<i>n</i>	<i>c</i>	LQL (%)	<i>n</i>	<i>c</i>	LQL (%)	<i>n</i>	<i>c</i>	LQL (%)
1 - 10	All	0	-	All	0	-	All	0	-	All	0	-	All	0	-	All	0	-
11 - 50	11	0	17.6	11	0	17.6	11	0	17.6	11	0	17.6	11	0	17.6	11	0	17.6
51 - 100	13	0	15.3	13	0	15.3	13	0	15.3	13	0	15.3	13	0	15.3	13	0	15.3
101 - 200	14	0	14.7	14	0	14.7	14	0	14.7	29	1	12.9	29	1	12.9	29	1	12.9
201 - 300	14	0	14.9	14	0	14.9	30	1	12.7	30	1	12.7	30	1	12.7	30	1	12.7
301 - 400	14	0	15.0	14	0	15.0	31	1	12.3	31	1	12.3	31	1	12.3	48	2	10.7
401 - 500	14	0	15.0	14	0	15.0	32	1	12.0	32	1	12.0	49	2	10.6	49	2	10.6
501 - 600	14	0	15.1	32	1	12.0	32	1	12.0	50	2	10.4	50	2	10.4	70	3	9.3
601 - 800	14	0	15.1	32	1	12.0	32	1	12.0	50	2	10.5	50	2	10.5	70	3	9.4
801 - 1000	15	0	14.2	33	1	11.7	33	1	11.7	50	2	10.6	70	3	9.4	90	4	8.5
1001 - 2000	15	0	14.2	33	1	11.7	55	2	9.3	75	3	8.8	95	4	8.0	120	5	7.6
2001 - 3000	15	0	14.2	33	1	11.8	55	2	9.4	75	3	8.8	120	5	7.6	145	6	7.2
3001 - 4000	15	0	14.3	33	1	11.8	55	2	9.5	100	4	7.9	125	5	7.4	195	8	6.6
4001 - 5000	15	0	14.3	33	1	11.8	75	3	8.9	100	4	7.9	150	6	7.0	225	9	6.3
5001 - 7000	33	1	11.8	55	2	9.7	75	3	8.9	125	5	7.4	175	7	6.7	250	10	6.1
7001 - 10000	34	1	11.4	55	2	9.7	75	3	8.9	125	5	7.4	200	8	6.4	310	12	5.8
10001 - 20000	34	1	11.4	55	2	9.7	100	4	8.0	150	6	7.0	260	10	6.0	425	16	5.3
20001 - 50000	34	1	11.4	55	2	9.7	100	4	8.0	180	7	6.7	345	13	5.55	640	23	4.8
50001 - 100000	34	1	11.4	80	3	8.4	125	5	7.4	235	9	6.1	435	16	5.2	800	28	4.5

n : size of sample; entry of "All" indicates that each piece in lot is to be inspected.

c : acceptance number for sample.

LQL : limiting quality level corresponding to a consumer's risk (β) = 0.10.

Table 9. Dodge-Romig Single Sampling Lot Inspection Table.

Based on Average Outgoing Quality Limit (AOQL) = 3.0 %.

LOT SIZE	PROCESS AVERAGE (%)																	
	0.00 - 0.06			0.07 - 0.60			0.61 - 1.20			1.21 - 1.80			1.81 - 2.40			2.41 - 3.00		
	<i>n</i>	<i>c</i>	LQL (%)	<i>n</i>	<i>c</i>	LQL (%)	<i>n</i>	<i>c</i>	LQL (%)	<i>n</i>	<i>c</i>	LQL (%)	<i>n</i>	<i>c</i>	LQL (%)	<i>n</i>	<i>c</i>	LQL (%)
1 - 10	All	0	-	All	0	-	All	0	-	All	0	-	All	0	-	All	0	-
11 - 50	10	0	19.0	10	0	19.0	10	0	19.0	10	0	19.0	10	0	19.0	10	0	19.0
51 - 100	11	0	18.0	11	0	18.0	11	0	18.0	11	0	18.0	11	0	18.0	22	1	16.4
101 - 200	12	0	17.0	12	0	17.0	12	0	17.0	25	1	15.1	25	1	15.1	25	1	15.1
201 - 300	12	0	17.0	12	0	17.0	26	1	14.6	26	1	14.6	26	1	14.6	40	2	12.8
301 - 400	12	0	17.1	12	0	17.1	26	1	14.7	26	1	14.7	41	2	12.7	41	2	12.7
401 - 500	12	0	17.2	27	1	14.1	27	1	14.1	42	2	12.4	42	2	12.4	42	2	12.4
501 - 600	12	0	17.3	27	1	14.2	27	1	14.2	42	2	12.4	42	2	12.4	60	3	10.8
601 - 800	12	0	17.3	27	1	14.2	27	1	14.2	43	2	12.1	60	3	10.9	60	3	10.9
801 - 1000	12	0	17.4	27	1	14.2	44	2	11.8	44	2	11.8	60	3	11.0	80	4	9.8
1001 - 2000	12	0	17.5	28	1	13.8	45	2	11.7	65	3	10.2	80	4	9.8	100	5	9.1
2001 - 3000	12	0	17.5	28	1	13.8	45	2	11.7	65	3	10.2	100	5	9.1	140	7	8.2
3001 - 4000	12	0	17.5	28	1	13.8	65	3	10.3	85	4	9.5	125	6	8.4	165	8	7.8
4001 - 5000	28	1	13.8	28	1	13.8	65	3	10.3	85	4	9.5	125	6	8.4	210	10	7.4
5001 - 7000	28	1	13.8	45	2	11.8	65	3	10.3	105	5	8.8	145	7	8.1	235	11	7.1
7001 - 10000	28	1	13.9	46	2	11.6	65	3	10.3	105	5	8.8	170	8	7.6	280	13	6.8
10001 - 20000	28	1	13.9	46	2	11.7	85	4	9.5	125	6	8.4	215	10	7.2	380	17	6.2
20001 - 50000	28	1	13.9	65	3	10.3	105	5	8.8	170	8	7.6	310	14	6.5	560	24	5.7
50001 - 100000	28	1	13.9	65	3	10.3	125	6	8.4	215	10	7.2	385	17	6.2	690	29	5.4

n : size of sample; entry of "All" indicates that each piece in lot is to be inspected.

c : acceptance number for sample.

LQL : limiting quality level corresponding to a consumer's risk (β) = 0.10.

Table 10. Dodge-Romig Double Sampling Lot Inspection Table.
Based on Average Outgoing Quality Limit (AOQL) = 1.0 %.

LOT SIZE	PROCESS AVERAGE (%)																	
	0.00 - 0.02						0.03 - 0.20						0.21 - 0.40					
	Trial 1		Trial 2			LQL (%)	Trial 1		Trial 2			LQL (%)	Trial 1		Trial 2			LQL (%)
	n_1	c_1	n_2	$n_1 + n_2$	c_2		n_1	c_1	n_2	$n_1 + n_2$	c_2		n_1	c_1	n_2	$n_1 + n_2$	c_2	
1 - 25	All	0	-	-	-	-	All	0	-	-	-	-	All	0	-	-	-	-
26 - 50	22	0	-	-	-	7.7	22	0	-	-	-	7.7	22	0	-	-	-	7.7
51 - 100	33	0	17	50	1	6.9	33	0	17	50	1	6.9	33	0	17	50	1	6.9
101 - 200	43	0	22	65	1	5.8	43	0	22	65	1	5.8	43	0	22	65	1	5.8
201 - 300	47	0	28	75	1	5.5	47	0	28	75	1	5.5	47	0	28	75	1	5.5
301 - 400	49	0	31	80	1	5.4	49	0	31	80	1	5.4	55	0	60	115	2	4.8
401 - 500	50	0	30	80	1	5.4	50	0	30	80	1	5.4	55	0	65	120	2	4.7
501 - 600	50	0	30	80	1	5.4	50	0	30	80	1	5.4	60	0	65	125	2	4.6
601 - 800	50	0	35	85	1	5.3	60	0	70	130	2	4.5	60	0	70	130	2	4.5
801 - 1000	55	0	30	85	1	5.2	60	0	75	135	2	4.4	60	0	75	135	2	4.4
1001 - 2000	55	0	35	90	1	5.1	65	0	75	140	2	4.3	75	0	120	195	3	3.8
2001 - 3000	65	0	80	145	2	4.2	65	0	80	145	2	4.2	75	0	125	200	3	3.7
3001 - 4000	70	0	80	150	2	4.1	70	0	80	150	2	4.1	80	0	175	255	4	3.5
4001 - 5000	70	0	80	150	2	4.1	70	0	80	150	2	4.1	80	0	180	260	4	3.4
5001 - 7000	70	0	80	150	2	4.1	75	0	125	200	3	3.7	80	0	180	260	4	3.4
7001 - 10000	70	0	80	150	2	4.1	80	0	125	205	3	3.6	85	0	180	265	4	3.3
10001 - 20000	70	0	80	150	2	4.1	80	0	130	210	3	3.6	90	0	230	320	5	3.2
20001 - 50000	75	0	80	155	2	4.0	80	0	135	215	3	3.6	95	0	300	395	6	2.9
50001 - 100000	75	0	80	155	2	4.0	85	0	180	265	4	3.3	170	1	380	550	8	2.6

n_1 = size of sample; n_2 = size of second sample; entry of "All" indicates that each piece in lot is to be inspected.

c_1 = acceptance number for sample. c_2 = acceptance number for first and second samples combined.

LQL = limiting quality level corresponding to a consumer's risk (β) = 0.10.

Table 11. Dodge-Romig Double Sampling Lot Inspection Table (continued).

Based on Average Outgoing Quality Limit (AOQL) = 1.0 %.

LOT SIZE	PROCESS AVERAGE (%)																	
	0.41 - 0.60						0.61 - 0.80						0.81 - 1.00					
	Trial 1		Trial 2			LQL (%)	Trial 1		Trial 2			LQL (%)	Trial 1		Trial 2			LQL (%)
	n_1	c_1	n_2	$n_1 + n_2$	c_2		n_1	c_1	n_2	$n_1 + n_2$	c_2		n_1	c_1	n_2	$n_1 + n_2$	c_2	
1 - 25	All	0	-	-	-	-	All	0	-	-	-	-	All	0	-	-	-	-
26 - 50	22	0	-	-	-	7.7	22	0	-	-	-	7.7	22	0	-	-	-	7.7
51 - 100	33	0	17	50	1	6.9	33	0	17	50	1	6.9	33	0	17	50	1	6.9
101 - 200	43	0	22	65	1	5.8	43	0	22	65	1	5.8	47	0	43	90	2	5.4
201 - 300	55	0	50	105	2	4.9	55	0	50	105	2	4.9	55	0	50	105	2	4.9
301 - 400	55	0	60	115	2	4.8	55	0	60	115	2	4.8	60	0	80	140	3	4.5
401 - 500	55	0	65	120	2	4.7	60	0	95	155	3	4.3	60	0	95	155	3	4.3
501 - 600	60	0	65	125	2	4.6	65	0	100	165	3	4.2	65	0	100	165	3	4.2
601 - 800	65	0	105	170	3	4.1	65	0	105	170	3	4.1	70	0	140	210	4	3.9
801 - 1000	65	0	110	175	3	4.0	70	0	150	220	4	3.8	125	1	180	305	6	3.5
1001 - 2000	80	0	165	245	4	3.7	135	1	200	335	6	3.3	140	1	245	385	7	3.2
2001 - 3000	80	0	170	250	4	3.6	150	1	265	415	7	3.0	215	2	355	570	10	2.8
3001 - 4000	85	0	220	305	5	3.3	160	1	330	490	8	2.8	225	2	455	680	12	2.7
4001 - 5000	145	1	225	370	6	3.1	225	2	375	600	10	2.7	240	2	595	835	14	2.5
5001 - 7000	155	1	285	440	7	2.9	235	2	440	675	11	2.6	310	3	665	975	16	2.4
7001 - 10000	165	1	355	520	8	2.7	250	2	585	835	13	2.4	385	4	785	1170	19	2.3
10001 - 20000	175	1	415	590	9	2.6	325	3	655	980	15	2.3	520	6	980	1500	24	2.2
20001 - 50000	250	2	490	740	11	2.4	340	3	910	1250	19	2.2	610	7	1410	2020	32	2.1
50001 - 100000	275	2	700	975	14	2.2	420	4	1050	1470	22	2.1	770	9	1850	2620	41	2.0

n_1 = size of sample; n_2 = size of second sample; entry of "All" indicates that each piece in lot is to be inspected.

c_1 = acceptance number for sample. c_2 = acceptance number for first and second samples combined.

LQL = limiting quality level corresponding to a consumer's risk (β) = 0.10.

Table 12. Dodge-Romig Double Sampling Lot Inspection Table.

Based on Average Outgoing Quality Limit (AOQL) = 3.0 %.

LOT SIZE	PROCESS AVERAGE (%)																	
	0.00 - 0.06						0.07 - 0.60						0.61 - 1.20					
	Trial 1		Trial 2			LQL (%)	Trial 1		Trial 2			LQL (%)	Trial 1		Trial 2			LQL (%)
	n_1	c_1	n_2	$n_1 + n_2$	c_2		n_1	c_1	n_2	$n_1 + n_2$	c_2		n_1	c_1	n_2	$n_1 + n_2$	c_2	
1 - 10	All	0	-	-	-	-	All	0	-	-	-	-	All	0	-	-	-	-
11 - 50	10	0	-	-	-	19.0	10	0	-	-	-	19.0	10	0	-	-	-	19.0
51 - 100	16	0	9	25	1	16.4	16	0	9	25	1	16.4	16	0	9	25	1	16.4
101 - 200	17	0	9	26	1	16.0	17	0	9	26	1	16.0	17	0	9	26	1	16.0
201 - 300	18	0	10	28	1	15.5	18	0	10	28	1	15.5	21	0	23	44	2	13.3
301 - 400	18	0	11	29	1	15.2	21	0	24	45	2	13.2	23	0	37	60	3	12.0
401 - 500	18	0	11	29	1	15.2	21	0	25	46	2	13.0	24	0	36	60	3	11.7
501 - 600	18	0	12	30	1	15.0	21	0	25	46	2	13.0	24	0	41	65	3	11.5
601 - 800	21	0	25	46	2	13.0	21	0	25	46	2	13.0	24	0	41	65	3	11.5
801 - 1000	21	0	26	47	2	12.8	21	0	26	47	2	12.8	25	0	40	65	3	11.4
1001 - 2000	22	0	26	48	2	12.6	22	0	26	48	2	12.6	27	0	58	85	4	10.3
2001 - 3000	22	0	26	48	2	12.6	25	0	40	65	3	11.4	28	0	62	90	4	10.0
3001 - 4000	23	0	26	49	2	12.4	25	0	45	70	3	11.0	29	0	76	105	5	9.6
4001 - 5000	23	0	26	49	2	12.4	26	0	44	70	3	11.0	30	0	75	105	5	9.5
5001 - 7000	23	0	27	50	2	12.2	26	0	44	70	3	11.0	30	0	80	110	5	9.4
7001 - 10000	23	0	27	50	2	12.2	27	0	43	70	3	11.0	30	0	80	110	5	9.4
10001 - 20000	23	0	27	50	2	12.2	27	0	43	70	3	11.0	31	0	94	125	6	9.2
20001 - 50000	23	0	27	50	2	12.2	28	0	67	95	4	9.7	55	1	120	175	8	8.0
50001 - 100000	23	0	27	50	2	12.2	31	0	84	115	5	9.0	60	1	140	200	9	7.6

n_1 = size of sample; n_2 = size of second sample; entry of "All" indicates that each piece in lot is to be inspected.

c_1 = acceptance number for sample. c_2 = acceptance number for first and second samples combined.

LQL = limiting quality level corresponding to a consumer's risk (β) = 0.10.

Table 13. Dodge-Romig Double Sampling Lot Inspection Table (continued).

Based on Average Outgoing Quality Limit (AOQL) = 3.0 %.

LOT SIZE	PROCESS AVERAGE (%)																	
	1.21 - 1.80						1.81 - 2.40						2.41 - 3.00					
	Trial 1		Trial 2			LQL (%)	Trial 1		Trial 2			LQL (%)	Trial 1		Trial 2			LQL (%)
	n_1	c_1	n_2	$n_1 + n_2$	c_2		n_1	c_1	n_2	$n_1 + n_2$	c_2		n_1	c_1	n_2	$n_1 + n_2$	c_2	
1 - 10	All	0	-	-	-	-	All	0	-	-	-	-	All	0	-	-	-	-
11 - 50	10	0	-	-	-	19.0	10	0	-	-	-	19.0	10	0	-	-	-	19.0
51 - 100	17	0	17	34	2	15.8	17	0	17	34	2	15.8	17	0	17	34	2	15.8
101 - 200	20	0	21	41	2	13.7	22	0	33	55	3	12.4	22	0	33	55	3	12.4
201 - 300	23	0	37	60	3	12.0	23	0	37	60	3	12.0	24	0	51	75	4	11.1
301 - 400	23	0	37	60	3	12.0	25	0	55	80	4	10.8	42	1	63	105	6	10.4
401 - 500	24	0	36	60	3	11.7	25	0	55	80	4	10.8	46	1	79	125	7	9.7
501 - 600	26	0	54	80	4	10.7	46	1	69	115	6	9.7	48	1	97	145	8	9.2
601 - 800	26	0	54	80	4	10.7	49	1	81	130	7	9.4	50	1	115	165	9	8.9
801 - 1000	27	0	58	85	4	10.3	49	1	86	135	7	9.2	70	2	120	190	10	8.4
1001 - 2000	49	1	76	125	6	9.1	50	1	150	200	10	8.0	100	3	180	280	14	7.5
2001 - 3000	50	1	95	145	7	8.7	80	2	165	245	12	7.6	130	4	260	390	19	6.9
3001 - 4000	55	1	110	165	8	8.5	105	3	200	305	14	7.0	155	5	330	485	23	6.5
4001 - 5000	60	1	135	195	9	7.8	110	3	225	335	15	6.7	215	7	390	605	27	6.0
5001 - 7000	60	1	165	225	10	7.3	110	3	250	360	16	6.6	270	9	505	775	34	5.7
7001 - 10000	85	2	160	245	11	7.2	115	3	290	405	18	6.5	285	9	680	965	41	5.4
10001 - 20000	85	2	180	265	12	7.2	140	4	315	455	20	6.3	315	10	805	1120	47	5.3
20001 - 50000	85	2	205	290	13	7.0	170	5	420	590	26	6.0	390	13	940	1330	56	5.2
50001 - 100000	90	2	245	335	15	6.8	200	6	505	705	30	5.7	445	15	1105	1550	65	5.1

n_1 = size of sample; n_2 = size of second sample; entry of "All" indicates that each piece in lot is to be inspected.

c_1 = acceptance number for sample. c_2 = acceptance number for first and second samples combined.

LQL = limiting quality level corresponding to a consumer's risk (β) = 0.10.