
Double sampling plans by attributes with minimal sample sizes, indexed by producer's risk quality (PRQ) and consumer's risk quality (CRQ)

*Plans d'échantillonnage double par attributs, avec taille d'échantillon
minimale, indexés par la qualité du risque du fournisseur (QRF) et la
qualité du risque du client (QRC)*



PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

STANDARDSISO.COM : Click to view the full PDF of ISO 28801:2011



COPYRIGHT PROTECTED DOCUMENT

© ISO 2011

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction.....	v
1 Scope	1
2 Terms, definitions, abbreviations and symbols	1
3 Choosing and operating a sampling plan.....	4
4 Operating characteristics	5
5 Average sample sizes	5
6 Actual producer's and consumer's risks	6
7 Average outgoing quality (AOQ).....	6
8 Examples	7
9 Tables and figures.....	7
Annex A (informative) Statistical theory underlying the plans, tables and figures	63
Bibliography.....	70

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 28801 was prepared by Technical Committee ISO/TC 69, *Applications of statistical methods*, Subcommittee SC 5, *Acceptance sampling*.

STANDARDSISO.COM : Click to view the full PDF of ISO 28801:2011

Introduction

ISO 2859-1 provides double sampling plans for sampling by attributes. Those plans are indexed by acceptance quality limit (AQL) and are thus designed for a continuing series of lots. For each preferred range of lot sizes, i.e. for each sample size code letter, the first and second sample sizes of the double sampling plans in ISO 2859-1 are constant and equal across AQLs, while the acceptance numbers increase with the AQL.

As production processes and quality levels have improved during the latter half of the twentieth century, there has been a shift of interest towards sampling plans with smaller acceptance and rejection numbers than most of the plans in ISO 2859-1.

Moreover, in some industries, in an effort to focus on customers' more specific requirements, there has also been a trend towards shorter production runs. Sometimes these production runs are too short for the switching rules of AQL-indexed plans (such as those of ISO 2859-1) to operate effectively.

In order to address an evolving market need, this International Standard has been developed to provide double sampling plans by attributes indexed by producer's risk quality (PRQ) and consumer's risk quality (CRQ) and having the smallest possible acceptance and rejection numbers. No constraint has been placed on the relative sizes of the first and second sample sizes; instead, the first and second sample sizes have been derived to minimize the expected total amount of sampling subject to the nominal producer's risk, α , and consumer's risk, β , not being exceeded. The combinations (α , β) of nominal risks provided in this International Standard are (5 %, 5 %), (5 %, 10 %) and (10 %, 10 %).

Thus, the double sampling plans provided in this International Standard are of the following kind. In the case of sampling for nonconforming items, a lot is acceptable if no nonconforming items are found in the first random sample, and not acceptable if the sample contains two or more nonconforming items. If the first random sample contains precisely one nonconforming item, a second, smaller random sample is taken; if no nonconforming items are found in the second sample, then the lot is acceptable, otherwise it is not acceptable. For each pair of nominal producer's and consumer's risk, up to 17 preferred nominal values of CRQ and up to 17 preferred nominal values of PRQ are provided.

Similar plans are provided for nonconformities.

The double sampling sample sizes are minimal among sampling plans for acceptance inspection of isolated lots or for short series of lots. However, because the ISO 28801 plans do not rely on the protection of switching rules, the sample sizes are necessarily larger than those used for lot-by-lot inspection, such as those of ISO 2859-1, for similar producer's and consumer's quality levels, where these exist. This is illustrated by the following two examples, both for nonconforming items with nominal maximum producer's and consumer's risks of 5 % and 10 % respectively.

EXAMPLE 1

Source	Realized producer's risk	Realized consumer's risk	Producer's risk quality (PRQ)	Consumer's risk quality (CRQ)	Sample sizes
ISO 2859-1, code letter E, AQL = 1 %	5 %	10 %	0,394 %	20,6 %	8,8
ISO 28801, Tables 2 and 14	0,266 %	9,639 %	0,4 %	20 %	12,9

EXAMPLE 2

Source	Realized producer's risk	Realized consumer's risk	Producer's risk quality (PRQ)	Consumer's risk quality (CRQ)	Sample sizes
ISO 2859-1, code letter F, AQL = 0,65 %	5 %	10 %	0,256 %	10,9 %	13,13
ISO 28801, Tables 2 and 14	0,435 %	9,920 %	0,25 %	10 %	26,16

A compensating feature of the ISO 28801 plans is that many of the realized producer's risks are much smaller than their nominal values.

STANDARDSISO.COM : Click to view the full PDF of ISO 28801:2011

Double sampling plans by attributes with minimal sample sizes, indexed by producer's risk quality (PRQ) and consumer's risk quality (CRQ)

1 Scope

This International Standard provides double sampling plans by attributes for the acceptance inspection of lots of discrete items. The plans are indexed by the producer's risk quality (PRQ) and the consumer's risk quality (CRQ) where the nominal producer's and consumer's risks are respectively either (5 %, 5 %), (5 %, 10 %) or (10 %, 10 %). Plans are provided for inspection for percent nonconforming and for inspection for nonconformities per 100 items. The lot is accepted if there are no nonconforming items (nonconformities) in the first random sample, and rejected if it contains two or more nonconforming items (nonconformities). If precisely one nonconforming item is found in the first sample, a second random sample is drawn; the lot is then accepted if the second sample contains no nonconforming items (nonconformities) and rejected otherwise.

The objective of this International Standard is to provide procedures that enable lot disposition to be determined quickly and economically if quality is particularly good or bad. For intermediate quality, a second sample is drawn in order to be able to discriminate more reliably between acceptable and unacceptable lots. The two sample sizes are chosen to minimize the maximum expected sample size with respect to incoming quality subject to the nominal risks not being exceeded.

Similarly, the plans may be used to test the hypothesis that a lot or process quality level is equal to the PRQ (i.e. acceptable) against the alternative hypothesis that the quality level is equal to the CRQ (i.e. unacceptable).

The plans are preferable to single sampling plans where the cost of inspection is high, where the delay and uncertainty caused by the possible requirement for second samples is inconsequential and where a relatively large ratio of the consumer's risk quality to the producer's risk quality can be tolerated.

The plans are suitable for isolated lots or for short series of lots, where the sum of the two sample sizes is no larger than about 10 % of the size of the lot. The plans are also suitable for continuing series of lots when lots that fail to satisfy the acceptance criteria are 100 % inspected and all nonconforming items replaced by conforming items; however, for continuing series of lots, consideration should also be given to using double sampling plans from ISO 2859-1.

The statistical theory underlying the plans, tables and figures is provided in Annex A.

2 Terms, definitions, abbreviations and symbols

2.1 Terms, definitions and abbreviations

The words "accept", "accepted", "acceptable", etc., refer only to the use of the sampling plans contained in this International Standard and do not imply an agreement to accept any product. Determination of acceptability by the customer shall be as described in contractual documents.

For the purposes of this document, the following terms and definitions apply.

2.1.1

consumer's risk

CR

〈acceptance sampling〉 probability of acceptance when the **quality level** (2.1.5) of the process has a value stated by the acceptance sampling plan as unsatisfactory

[ISO 3534-2:2006; 4.6.2]

2.1.2

consumer's risk quality

CRQ

〈acceptance sampling〉 **quality level** (2.1.5) of a lot or process which, in the acceptance sampling plan, corresponds to a specified **consumer's risk** (2.1.1)

[ISO 3534-2:2006; 4.6.9]

2.1.3

producer's risk

PR

〈acceptance sampling〉 probability of non-acceptance when the **quality level** (2.1.5) of the process has a value stated by the plan as acceptable

[ISO 3534-2:2006; 4.6.4]

2.1.4

producer's risk quality

PRQ

〈acceptance sampling〉 **quality level** (2.1.5) of a lot or process which, in the acceptance sampling plan, corresponds to a specified **producer's risk** (2.1.3)

[ISO 3534-2:2006; 4.6.10]

2.1.5

quality level

〈acceptance sampling〉 quality expressed as a rate of nonconforming units or rate of number of **nonconformities** (2.1.9)

[ISO 3534-2:2006; 4.6.16]

NOTE Rate (or fraction) can be expressed in the unit 1 or in percentage. Rate of nonconforming units can be read as a numerical value or a percentage of nonconforming units. Rate of number of nonconformities can be read as a number of nonconformities per unit or per 100 units.

2.1.6

average sample size

ASSI

〈acceptance sampling〉 average number of units in sample inspected per lot in reaching decisions to accept or not to accept when using a given acceptance sampling plan

NOTE ASSI is dependent on the actual **quality level** (2.1.5) of the submitted lots.

[ISO 3534-2:2006; 4.7.3]

2.1.7**average outgoing quality****AOQ**

⟨acceptance sampling⟩ expected average **quality level** (2.1.5) of outgoing product for a given value of incoming product quality

[ISO 3534-2:2006; 4.7.1]

2.1.8**average outgoing quality limit****AOQL**

⟨acceptance sampling⟩ maximum **AOQ** (2.1.7) over all possible values of incoming product **quality level** (2.1.5) for a given acceptance sampling plan and rectification of all non-accepted lots unless specified otherwise

[ISO 3534-2:2006; 4.7.2]

2.1.9**nonconformity**

non-fulfilment of a requirement

[ISO 9000:2005, 3.6.2; ISO 3534-2:2006; 3.1.11]

NOTE See notes to **defect** (2.1.11).

2.1.10**nonconforming item**

item with one or more **nonconformities** (2.1.9)

[ISO 3534-2:2006; 1.2.12]

2.1.11**defect**

non-fulfilment of a requirement related to an intended or specified use

[ISO 3534-2:2006; 3.1.12]

NOTE 1 The distinction between the concepts defect and **nonconformity** (2.1.9) is important as it has legal connotations, particularly those associated with product liability issues. Consequently, the term “defect” should be used with extreme caution.

NOTE 2 The intended use by the customer can be affected by the nature of the information, such as operating or maintenance instructions, provided by the customer.

2.2 Symbols

α producer's risk

β consumer's risk

m size of the second sample in a double sampling plan

n size of the first sample in a double sampling plan

3 Choosing and operating a sampling plan

3.1 Choosing a plan

The appropriate table from among Tables 1 to 6 shall be selected in accordance with whether inspection is for nonconforming items or nonconformities and the values of the nominal producer's and consumer's risks. The selected table shall be entered with the PRQ and CRQ to obtain the sample sizes n and m of the double sampling plan.

When the table indicates by asterisks that no double sampling plan with the prescribed acceptance and rejection numbers is available with the required properties, consideration should be given to decreasing the PRQ or increasing the CRQ, or both.

3.2 Operating a plan for nonconforming items

3.2.1 Acceptance sampling

A random sample of size n shall be drawn and inspected, where n is the first sample size given by the plan. If no nonconforming items are found in this first sample, the lot shall be accepted. If the number of nonconforming items found in this first sample is greater than or equal to two, the lot shall not be accepted.

If one nonconforming item is found in the first random sample, a second random sample of size m shall be drawn and inspected, where m is the second sample size given by the plan. If no further nonconforming items are found in this second sample, the lot shall be accepted. If one or more nonconforming items are found in this second sample, the lot shall not be accepted.

3.2.2 Hypothesis testing

The double sampling plan may alternatively be used for hypothesis testing when it is required to test the null hypothesis that the quality level is less than or equal to the PRQ against the alternative hypothesis that the quality level is greater than or equal to the CRQ. A first random sample of size n shall be drawn and inspected, where n is the first sample size given by the plan. If no nonconforming items are found in this first sample, the null hypothesis shall be accepted. If the number of nonconforming items found in this first sample is greater than or equal to two, the alternative hypothesis shall be accepted.

If one nonconforming item is found in the first random sample, a second random sample of size m shall be drawn and inspected, where m is the second sample size given by the plan. If no further nonconforming items are found in this second sample, the null hypothesis shall be accepted. If one or more nonconforming items are found in this second sample, the alternative hypothesis shall be accepted.

3.3 Operating a plan for nonconformities

3.3.1 Acceptance sampling

In order to determine the acceptability of a lot in a nonconformities-per-hundred-items inspection, the procedure specified in 3.2.1 for nonconforming inspection shall be used, except that the term "nonconforming items" shall be replaced by "nonconformities".

3.3.2 Hypothesis testing

In order to carry out a hypothesis test in a nonconformities-per-hundred-items inspection, the procedure specified in 3.2.2 for nonconforming inspection shall be used, except that the term "nonconforming items" shall be replaced by "nonconformities".

3.4 Notation

A notation used to describe such plans is $(n, 0, 2; m, 1, 2)$. This indicates that the acceptance and rejection numbers for the first sample of size n are 0 and 2, and that the acceptance and rejection numbers for the first and second samples combined are 1 and 2, where the second sample is of size m .

4 Operating characteristics

The operating characteristic curves, shown in Figures 1 to 6, indicate the probability that a lot will be accepted under the various sampling plans for a range of quality levels.

The curves are based on the assumption that the sum of the two sample sizes is no more than about 10 % of the lot size. If the sum of the two sample sizes exceeds 10 % of the lot size, then the probabilities of accepting the lot are higher than those shown by the curves at all quality levels, so the producer's risk is reduced and the consumer's risk is increased.

NOTE A formula for the operating characteristic curves is provided in A.1.3 for nonconforming items and in A.2.3 for nonconformities.

5 Average sample sizes

5.1 Curtailed inspection

Under curtailed inspection, inspection is stopped as soon as the inspection results are sufficient to establish whether or not the lot is acceptable or, in the case of hypothesis testing, as soon as it is clear which hypothesis will be accepted. In the case of the double sampling plans in this International Standard, inspection would cease as soon as two nonconforming items (nonconformities) were found in the first sample or as soon as one nonconforming item (nonconformity) was found in the second sample. The operating characteristic curves are unaffected by curtailment, but the average sample size is reduced. The reduction is small at good quality levels but substantial at very poor quality levels. The disadvantage of curtailment is that it results in less precise estimates of the lot or process quality level; this matters more in the case of a continuing series of lots.

5.2 Average sample size (ASSI) for uncurtailed inspection

Average sample size curves for uncurtailed inspection for the double sampling plans of this International Standard are shown in Figures 7 to 12. These curves show the average sample sizes that may be expected to occur under the various sampling plans for a range of levels of process quality. For all the plans, the ASSI

- begins at the value n for perfect quality (because only the whole of the first sample is inspected),
- rises to a maximum where the process quality level p is equal to $1/n$, i.e. $100/n$ % nonconforming or $100/n$ nonconformities per 100 items,
- falls more gradually to the value n as the process quality level p worsens beyond $1/n$ (again because ultimately only the whole of the first sample is inspected).

NOTE A formula for the average sample size for uncurtailed inspection is provided in A.1.4.1 for nonconforming items and in A.2.4.1 for nonconformities. Formulae for the corresponding maximum ASSI are given in A.1.5 and A.2.5.

The average sample sizes of the double sampling plans at the PRQ and CRQ for uncurtailed inspection are given in Tables 7 to 12. Also given are the maximum average sample sizes.

EXAMPLE Suppose that it is required to carry out a test of whether the quality level in a large lot is no more than 0,25 % nonconforming. It has been agreed that the probability of acceptance should be at least 95 % if the lot has a quality level of 0,25 % nonconforming, but no more than 5 % if the quality is as bad as 5 % nonconforming.

Thus the PRQ is 0,25 % and the CRQ is 5 %, with producer's and consumer's risks both equal to 5 %. Table 1 shows that the appropriate plan has an initial sample of size $n = 66$ and a second sample size, if required, of $m = 39$. Table 7 shows for this sampling plan that the ASSI is 71,5 at the PRQ and 70,6 at the CRQ, with a maximum of 80,5.

5.3 Average sample size (ASSI) for curtailed inspection

Average sample size curves for curtailed inspection for the double sampling plans of this International Standard are shown in Figures 19 to 24. As in the case of uncurtailed inspection, for all the plans the ASSI begins at the value n for perfect quality and rises to a maximum. For plans for nonconforming items the ASSI then falls to the value 2 as quality worsens, because at least two nonconforming items are required for non-acceptance; for plans for nonconformities the ASSI falls to the value 1 as quality worsens because, at a quality level of an infinite number of nonconformities per 100 items, the first item will be certain to have more than one nonconformity.

NOTE Formulae for the average sample sizes under curtailed inspection are provided in A.1.4.2 for nonconforming items and in A.2.4.2 for nonconformities.

The average sample sizes of the double sampling plans at the PRQ and CRQ for curtailed inspection are given in Tables 25 to 30. Also given are the maximum average sample sizes.

EXAMPLE Consider again the plan for the example in 5.2, but suppose that this time it is used with curtailment. The relevant ASSIs are then given in Table 25. It can be seen that effect of curtailment is to reduce the ASSI at the PRQ from 71,5 to 69,1, at the CRQ from 70,6 to 38,2 and at the maximum from 80,5 to 73,7.

It is typical of curtailment that it leads to increasing reductions in the ASSI as the quality level worsens.

6 Actual producer's and consumer's risks

Because the sample sizes m and n are necessarily integers, the actual producer's and consumer's risks will in general be less than their nominal values. These actual risks are presented in Tables 13 to 18. Note that, whereas the consumer's risks are typically close to their nominal values, the producer's risks are in some cases much smaller.

EXAMPLE For the data in the example of 5.2, Table 13 shows that the actual producer's risk is 2,510 % (i.e. about half of its nominal value) and the actual consumer's risk is 4,978 % (i.e. just below its nominal value).

7 Average outgoing quality (AOQ)

For a continuing series of lots with rectification of all lots that fail to meet the acceptance criteria, it is of interest to know the long-term AOQ at different levels of incoming quality. Tables 19 to 24 present the values of the AOQ at the PRQ and at the CRQ, together with the maximum over all levels of incoming quality. This maximum is called the average outgoing quality limit (AOQL). AOQ curves for the plans of this International Standard are presented in Figures 13 to 18.

NOTE It is only by means of high (and generally uneconomical) average levels of inspection that good average outgoing quality levels are achieved at poor incoming quality levels.

EXAMPLE For the data in the example of 5.2, Table 19 shows that the average outgoing quality is 0,244 % at the PRQ and 0,249 % at the CRQ with a maximum of 0,869 %. The AOQ curve for this example is shown in Figure 13.

8 Examples

8.1 Example of sampling plan for nonconforming items

A retailer intends to purchase a single production lot of ten thousand low-energy light bulbs from an accredited supplier. The supplier demonstrates by in-house records that only one bulb in 1 000 will fail on first use. The retailer customarily audits such supplies by means of a product sampling plan agreed with the supplier on the basis that

- the cost of sampling is factored into the contract price, and
- if the lot is not accepted, the supplier pays for the 100 % test and the associated cost of replacing the nonconforming light bulbs.

The agreed sampling plan is a double sampling plan with nominal producer's and consumer's risks of 5 %, a PRQ of 0,1 % and a CRQ of 2,5 %. Entering Table 1 with these parameters yields the sample sizes $n = 133$ and $m = 80$. A random sample of 133 light bulbs is drawn from the lot and tested. One light bulb in the sample immediately fails, so a second random sample of 80 bulbs is drawn from the lot and tested. None of these light bulbs fail, so the lot is accepted.

8.2 Example of sampling plan for nonconformities

2 000 metres of 17 cm wide weatherboarding is to be supplied to a builder for use in a prestigious barn conversion. The owner of the barn has specifically requested that the weatherboarding be knot-free. From past experience the builder decides that, on the basis of the lengths required, he can manage to comply with this if the supplied weatherboarding contains knots at a rate of no more than 4 per 100 metres length on average. The supplier claims that his premium weatherboarding is virtually knot-free and so he is prepared to use a PRQ of 1 knot per 500 metres. Both supplier and builder decide to limit their risk to 5 %.

Table 4 is therefore used, and entered with a PRQ of 0,2 % and a CRQ of 4 %, yielding a double sampling plan with first sample size n equal to 84 and second sample size m equal to 51. 84 one-metre lengths of weatherboarding are selected at random from the consignment and checked for knots. Two are found, so the consignment is rejected without a second sample being necessary, and the supplier agrees to carry out 100 % inspection on-site, replacing any lengths of weatherboarding found to have knots.

9 Tables and figures

The numbering scheme and location of the tables and figures of this International Standard are given below:

Contents	Nonconforming items			Nonconformities		
	$\alpha \leq 5 \%,$ $\beta \leq 5 \%$	$\alpha \leq 5 \%,$ $\beta \leq 10 \%$	$\alpha \leq 10 \%,$ $\beta \leq 10 \%$	$\alpha \leq 5 \%,$ $\beta \leq 5 \%$	$\alpha \leq 5 \%,$ $\beta \leq 10 \%$	$\alpha \leq 10 \%,$ $\beta \leq 10 \%$
Sample sizes of the plans	Table 1 Page 8	Table 2 Page 9	Table 3 Page 10	Table 4 Page 11	Table 5 Page 12	Table 6 Page 13
Average sample sizes at the PRQ, maximum and CRQ, uncurtailed inspection	Table 7 Page 14	Table 8 Page 15	Table 9 Page 16	Table 10 Page 17	Table 11 Page 18	Table 12 Page 19
Actual risks	Table 13 Page 20	Table 14 Page 21	Table 15 Page 22	Table 16 Page 23	Table 17 Page 24	Table 18 Page 25
Average outgoing qualities	Table 19 Page 26	Table 20 Page 27	Table 21 Page 28	Table 22 Page 29	Table 23 Page 30	Table 24 Page 31

Contents	Nonconforming items			Nonconformities		
	$\alpha \leq 5 \%$, $\beta \leq 5 \%$	$\alpha \leq 5 \%$, $\beta \leq 10 \%$	$\alpha \leq 10 \%$, $\beta \leq 10 \%$	$\alpha \leq 5 \%$, $\beta \leq 5 \%$	$\alpha \leq 5 \%$, $\beta \leq 10 \%$	$\alpha \leq 10 \%$, $\beta \leq 10 \%$
Average sample sizes at the PRQ, maximum and CRQ, curtailed inspection	Table 25 Page 32	Table 26 Page 33	Table 27 Page 34	Table 28 Page 35	Table 29 Page 36	Table 30 Page 37
Operating characteristic curves	Figure 1 Page 38	Figure 2 Page 39	Figure 3 Page 40	Figure 4 Page 41	Figure 5 Page 42	Figure 6 Page 43
Average sample size curves for uncurtailed inspection	Figure 7 Page 44	Figure 8 Page 45	Figure 9 Page 46	Figure 10 Page 47	Figure 11 Page 48	Figure 12 Page 49
Average outgoing quality curves	Figure 13 Page 50	Figure 14 Page 51	Figure 15 Page 52	Figure 16 Page 53	Figure 17 Page 54	Figure 18 Page 55
Average sample size curves for curtailed inspection	Figure 19 Page 56	Figure 20 Page 57	Figure 21 Page 58	Figure 22 Page 59	Figure 23 Page 60	Figure 24 Page 61

Table 1 — Sample sizes n and m for double sampling plans of the form $(n, 0, 2; m, 1, 2)$ for nonconforming items: $\alpha \leq 5\%$ and $\beta \leq 5\%$

PRQ (%)	Sample sizes	Consumer's risk quality (%)													
		1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	n	210	169	133	105	84	66	52	41	33	26	20	15	12	9
	m	122	94	80	64	46	39	31	23	17	14	11	10	7	6
0,125	n	*	169	133	105	84	66	52	41	33	26	20	15	12	9
	m	*	94	80	64	46	39	31	23	17	14	11	10	7	6
0,16	n	*	*	133	105	84	66	52	41	33	26	20	15	12	9
	m	*	*	80	64	46	39	31	23	17	14	11	10	7	6
0,2	n	*	*	*	105	84	66	52	41	33	26	20	15	12	9
	m	*	*	*	64	46	39	31	23	17	14	11	10	7	6
0,25	n	*	*	*	*	84	66	52	41	33	26	20	15	12	9
	m	*	*	*	*	46	39	31	23	17	14	11	10	7	6
0,315	n	*	*	*	*	*	66	52	41	33	26	20	15	12	9
	m	*	*	*	*	*	39	31	23	17	14	11	10	7	6
0,4	n	*	*	*	*	*	*	52	41	33	26	20	15	12	9
	m	*	*	*	*	*	*	31	23	17	14	11	10	7	6
0,5	n	*	*	*	*	*	*	*	41	33	26	20	15	12	9
	m	*	*	*	*	*	*	*	23	17	14	11	10	7	6
0,63	n	*	*	*	*	*	*	*	*	33	26	20	15	12	9
	m	*	*	*	*	*	*	*	*	17	14	11	10	7	6
0,8	n	*	*	*	*	*	*	*	*	*	26	20	15	12	9
	m	*	*	*	*	*	*	*	*	*	14	11	10	7	6
1,0	n	*	*	*	*	*	*	*	*	*	*	20	15	12	9
	m	*	*	*	*	*	*	*	*	*	*	11	10	7	6
1,25	n	*	*	*	*	*	*	*	*	*	*	21	15	12	9
	m	*	*	*	*	*	*	*	*	*	*	9	10	7	6
1,6	n	*	*	*	*	*	*	*	*	*	*	*	17	12	9
	m	*	*	*	*	*	*	*	*	*	*	*	6	7	6
2,0	n	*	*	*	*	*	*	*	*	*	*	*	*	12	9
	m	*	*	*	*	*	*	*	*	*	*	*	*	7	6
2,5	n	*	*	*	*	*	*	*	*	*	*	*	*	*	9
	m	*	*	*	*	*	*	*	*	*	*	*	*	*	6

NOTE Cells containing asterisks indicate that no double sampling plan of the form $(n, 0, 2; m, 1, 2)$ for nonconforming items exists with $\alpha \leq 5\%$ and $\beta \leq 5\%$ for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

Table 2 — Sample sizes n and m for double sampling plans of the form $(n, 0, 2; m, 1, 2)$ for nonconforming items: $\alpha \leq 5\%$ and $\beta \leq 10\%$

PRQ (%)	Sample sizes	Consumer's risk quality (%)																	
		0,8	1,0	1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5	
0,1	<i>n</i>	336	269	216	168	133	106	84	66	53	42	33	26	20	15	12	9	7	
	<i>m</i>	214	170	133	105	87	70	55	43	33	26	20	16	14	12	9	8	6	
0,125	<i>n</i>	*	269	216	168	133	106	84	66	53	42	33	26	20	15	12	9	7	
	<i>m</i>	*	170	133	105	87	70	55	43	33	26	20	16	14	12	9	8	6	
0,160	<i>n</i>	*	*	216	168	133	106	84	66	53	42	33	26	20	15	12	9	7	
	<i>m</i>	*	*	133	105	87	70	55	43	33	26	20	16	14	12	9	8	6	
0,2	<i>n</i>	*	*	*	168	133	106	84	66	53	42	33	26	20	15	12	9	7	
	<i>m</i>	*	*	*	105	87	70	55	43	33	26	20	16	14	12	9	8	6	
0,25	<i>n</i>	*	*	*	*	133	106	84	66	53	42	33	26	20	15	12	9	7	
	<i>m</i>	*	*	*	*	87	70	55	43	33	26	20	16	14	12	9	8	6	
0,315	<i>n</i>	*	*	*	*	*	106	84	66	53	42	33	26	20	15	12	9	7	
	<i>m</i>	*	*	*	*	*	70	55	43	33	26	20	16	14	12	9	8	6	
0,4	<i>n</i>	*	*	*	*	*	*	84	66	53	42	33	26	20	15	12	9	7	
	<i>m</i>	*	*	*	*	*	*	55	43	33	26	20	16	14	12	9	8	6	
0,5	<i>n</i>	*	*	*	*	*	*	*	66	53	42	33	26	20	15	12	9	7	
	<i>m</i>	*	*	*	*	*	*	*	43	33	26	20	16	14	12	9	8	6	
0,63	<i>n</i>	*	*	*	*	*	*	*	*	53	42	33	26	20	15	12	9	7	
	<i>m</i>	*	*	*	*	*	*	*	*	33	26	20	16	14	12	9	8	6	
0,8	<i>n</i>	*	*	*	*	*	*	*	*	*	42	33	26	20	15	12	9	7	
	<i>m</i>	*	*	*	*	*	*	*	*	*	26	20	16	14	12	9	8	6	
1,0	<i>n</i>	*	*	*	*	*	*	*	*	*	*	33	26	20	15	12	9	7	
	<i>m</i>	*	*	*	*	*	*	*	*	*	*	20	16	14	12	9	8	6	
1,25	<i>n</i>	*	*	*	*	*	*	*	*	*	*	*	26	20	15	12	9	7	
	<i>m</i>	*	*	*	*	*	*	*	*	*	*	*	16	14	12	9	8	6	
1,6	<i>n</i>	*	*	*	*	*	*	*	*	*	*	*	*	20	15	12	9	7	
	<i>m</i>	*	*	*	*	*	*	*	*	*	*	*	*	14	12	9	8	6	
2,0	<i>n</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	15	12	9	7	
	<i>m</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	12	9	8	6	
2,5	<i>n</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12	9	7	
	<i>m</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9	8	6	
3,15	<i>n</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9	7	
	<i>m</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	6	

NOTE Cells containing asterisks indicate that no double sampling plan of the form $(n, 0, 2; m, 1, 2)$ for nonconforming items exists with $\alpha \leq 5\%$ and $\beta \leq 10\%$ for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

Table 3 — Sample sizes n and m for double sampling plans of the form $(n, 0, 2; m, 1, 2)$ for nonconforming items: $\alpha \leq 10\%$ and $\beta \leq 10\%$

PRQ (%)	Sample sizes	Consumer's risk quality (%)																
		0,8	1,0	1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	n	336	269	216	168	133	106	84	66	53	42	33	26	20	15	12	9	7
	m	214	170	133	105	87	70	55	43	33	26	20	16	14	12	9	8	6
0,125	n	*	269	216	168	133	106	84	66	53	42	33	26	20	15	12	9	7
	m	*	170	133	105	87	70	55	43	33	26	20	16	14	12	9	8	6
0,160	n	*	*	216	168	133	106	84	66	53	42	33	26	20	15	12	9	7
	m	*	*	133	105	87	70	55	43	33	26	20	16	14	12	9	8	6
0,2	n	*	*	*	168	133	106	84	66	53	42	33	26	20	15	12	9	7
	m	*	*	*	105	87	70	55	43	33	26	20	16	14	12	9	8	6
0,25	n	*	*	*	*	133	106	84	66	53	42	33	26	20	15	12	9	7
	m	*	*	*	*	87	70	55	43	33	26	20	16	14	12	9	8	6
0,315	n	*	*	*	*	*	106	84	66	53	42	33	26	20	15	12	9	7
	m	*	*	*	*	*	70	55	43	33	26	20	16	14	12	9	8	6
0,4	n	*	*	*	*	*	*	84	66	53	42	33	26	20	15	12	9	7
	m	*	*	*	*	*	*	55	43	33	26	20	16	14	12	9	8	6
0,5	n	*	*	*	*	*	*	*	66	53	42	33	26	20	15	12	9	7
	m	*	*	*	*	*	*	*	43	33	26	20	16	14	12	9	8	6
0,63	n	*	*	*	*	*	*	*	*	53	42	33	26	20	15	12	9	7
	m	*	*	*	*	*	*	*	*	33	26	20	16	14	12	9	8	6
0,8	n	*	*	*	*	*	*	*	*	*	42	33	26	20	15	12	9	7
	m	*	*	*	*	*	*	*	*	*	26	20	16	14	12	9	8	6
1,0	n	*	*	*	*	*	*	*	*	*	*	33	26	20	15	12	9	7
	m	*	*	*	*	*	*	*	*	*	*	20	16	14	12	9	8	6
1,25	n	*	*	*	*	*	*	*	*	*	*	*	26	20	15	12	9	7
	m	*	*	*	*	*	*	*	*	*	*	*	16	14	12	9	8	6
1,6	n	*	*	*	*	*	*	*	*	*	*	*	*	20	15	12	9	7
	m	*	*	*	*	*	*	*	*	*	*	*	*	14	12	9	8	6
2,0	n	*	*	*	*	*	*	*	*	*	*	*	*	*	15	12	9	7
	m	*	*	*	*	*	*	*	*	*	*	*	*	*	12	9	8	6
2,5	n	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12	9	7
	m	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9	8	6
3,15	n	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9	7
	m	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	6

NOTE Cells containing asterisks indicate that no double sampling plan of the form $(n, 0, 2; m, 1, 2)$ for nonconforming items exists with $\alpha \leq 10\%$ and $\beta \leq 10\%$ for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

Table 4 — Sample sizes n and m for double sampling plans of the form $(n, 0, 2; m, 1, 2)$ for nonconformities: $\alpha \leq 5\%$ and $\beta \leq 5\%$

PRQ (%)	Sample sizes	Consumer's risk quality (%)													
		1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	n	213	169	136	108	84	69	55	43	35	27	21	17	14	11
	m	119	99	77	61	51	36	28	23	17	16	13	10	7	6
0,125	n	*	169	136	108	84	69	55	43	35	27	21	17	14	11
	m	*	99	77	61	51	36	28	23	17	16	13	10	7	6
0,160	n	*	*	136	108	84	69	55	43	35	27	21	17	14	11
	m	*	*	77	61	51	36	28	23	17	16	13	10	7	6
0,2	n	*	*	*	108	84	69	55	43	35	27	21	17	14	11
	m	*	*	*	61	51	36	28	23	17	16	13	10	7	6
0,25	n	*	*	*	*	84	69	55	43	35	27	21	17	14	11
	m	*	*	*	*	51	36	28	23	17	16	13	10	7	6
0,315	n	*	*	*	*	*	69	55	43	35	27	21	17	14	11
	m	*	*	*	*	*	36	28	23	17	16	13	10	7	6
0,4	n	*	*	*	*	*	*	55	43	35	27	21	17	14	11
	m	*	*	*	*	*	*	28	23	17	16	13	10	7	6
0,5	n	*	*	*	*	*	*	*	43	35	27	21	17	14	11
	m	*	*	*	*	*	*	*	23	17	16	13	10	7	6
0,63	n	*	*	*	*	*	*	*	*	35	27	21	17	14	11
	m	*	*	*	*	*	*	*	*	17	16	13	10	7	6
0,8	n	*	*	*	*	*	*	*	*	*	27	21	17	14	11
	m	*	*	*	*	*	*	*	*	*	16	13	10	7	6
1,0	n	*	*	*	*	*	*	*	*	*	*	21	17	14	11
	m	*	*	*	*	*	*	*	*	*	*	13	10	7	6
1,25	n	*	*	*	*	*	*	*	*	*	*	*	17	14	11
	m	*	*	*	*	*	*	*	*	*	*	*	10	7	6
1,6	n	*	*	*	*	*	*	*	*	*	*	*	*	14	11
	m	*	*	*	*	*	*	*	*	*	*	*	*	7	6
2,0	n	*	*	*	*	*	*	*	*	*	*	*	*	*	11
	m	*	*	*	*	*	*	*	*	*	*	*	*	*	6

NOTE Cells containing asterisks indicate that no double sampling plan of the form $(n, 0, 2; m, 1, 2)$ for nonconformities exists with $\alpha \leq 5\%$ and $\beta \leq 5\%$ for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

Table 5 — Sample sizes n and m for double sampling plans of the form $(n, 0, 2; m, 1, 2)$ for nonconformities: $\alpha \leq 5\%$ and $\beta \leq 10\%$

PRQ (%)	Sample sizes	Consumer's risk quality (%)															
		1,0	1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	n	269	216	168	136	109	86	69	55	43	34	28	22	17	14	11	9
	m	174	137	109	83	66	54	39	32	27	21	15	13	11	8	7	5
0,125	n	*	*	168	136	109	86	69	55	43	34	28	22	17	14	11	9
	m	*	*	109	83	66	54	39	32	27	21	15	13	11	8	7	5
0,160	n	*	*	*	136	109	86	69	55	43	34	28	22	17	14	11	9
	m	*	*	*	83	66	54	39	32	27	21	15	13	11	8	7	5
0,2	n	*	*	*	*	109	86	69	55	43	34	28	22	17	14	11	9
	m	*	*	*	*	66	54	39	32	27	21	15	13	11	8	7	5
0,25	n	*	*	*	*	*	86	69	55	43	34	28	22	17	14	11	9
	m	*	*	*	*	*	54	39	32	27	21	15	13	11	8	7	5
0,315	n	*	*	*	*	*	*	69	55	43	34	28	22	17	14	11	9
	m	*	*	*	*	*	*	39	32	27	21	15	13	11	8	7	5
0,4	n	*	*	*	*	*	*	*	55	43	34	28	22	17	14	11	9
	m	*	*	*	*	*	*	*	32	27	21	15	13	11	8	7	5
0,5	n	*	*	*	*	*	*	*	*	43	34	28	22	17	14	11	9
	m	*	*	*	*	*	*	*	*	27	21	15	13	11	8	7	5
0,63	n	*	*	*	*	*	*	*	*	*	34	28	22	17	14	11	9
	m	*	*	*	*	*	*	*	*	*	21	15	13	11	8	7	5
0,8	n	*	*	*	*	*	*	*	*	*	*	28	22	17	14	11	9
	m	*	*	*	*	*	*	*	*	*	*	15	13	11	8	7	5
1,0	n	*	*	*	*	*	*	*	*	*	*	*	22	17	14	11	9
	m	*	*	*	*	*	*	*	*	*	*	*	13	11	8	7	5
1,25	n	*	*	*	*	*	*	*	*	*	*	*	*	17	14	11	9
	m	*	*	*	*	*	*	*	*	*	*	*	*	11	8	7	5
1,6	n	*	*	*	*	*	*	*	*	*	*	*	*	*	14	11	9
	m	*	*	*	*	*	*	*	*	*	*	*	*	*	8	7	5
2,0	n	*	*	*	*	*	*	*	*	*	*	*	*	*	*	11	9
	m	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	5

NOTE Cells containing asterisks indicate that no double sampling plan of the form $(n, 0, 2; m, 1, 2)$ for nonconformities exists with $\alpha \leq 5\%$ and $\beta \leq 10\%$ for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

Table 6 — Sample sizes n and m for double sampling plans of the form $(n, 0, 2; m, 1, 2)$ for nonconformities: $\alpha \leq 10\%$ and $\beta \leq 10\%$

PRQ (%)	Sample sizes	Consumer's risk quality (%)																	
		0,8	1,0	1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5	
0,1	<i>n</i>	336	269	216	168	136	109	86	69	55	43	34	28	22	17	14	11	9	
	<i>m</i>	218	174	137	109	83	66	54	39	32	27	21	15	13	11	8	7	5	
0,125	<i>n</i>	*	269	216	168	136	109	86	69	55	43	34	28	22	17	14	11	9	
	<i>m</i>	*	174	137	109	83	66	54	39	32	27	21	15	13	11	8	7	5	
0,160	<i>n</i>	*	*	216	168	136	109	86	69	55	43	34	28	22	17	14	11	9	
	<i>m</i>	*	*	137	109	83	66	54	39	32	27	21	15	13	11	8	7	5	
0,2	<i>n</i>	*	*	*	168	136	109	86	69	55	43	34	28	22	17	14	11	9	
	<i>m</i>	*	*	*	109	83	66	54	39	32	27	21	15	13	11	8	7	5	
0,25	<i>n</i>	*	*	*	*	136	109	86	69	55	43	34	28	22	17	14	11	9	
	<i>m</i>	*	*	*	*	83	66	54	39	32	27	21	15	13	11	8	7	5	
0,315	<i>n</i>	*	*	*	*	*	109	86	69	55	43	34	28	22	17	14	11	9	
	<i>m</i>	*	*	*	*	*	66	54	39	32	27	21	15	13	11	8	7	5	
0,4	<i>n</i>	*	*	*	*	*	*	86	69	55	43	34	28	22	17	14	11	9	
	<i>m</i>	*	*	*	*	*	*	54	39	32	27	21	15	13	11	8	7	5	
0,5	<i>n</i>	*	*	*	*	*	*	*	69	55	43	34	28	22	17	14	11	9	
	<i>m</i>	*	*	*	*	*	*	*	39	32	27	21	15	13	11	8	7	5	
0,63	<i>n</i>	*	*	*	*	*	*	*	*	55	43	34	28	22	17	14	11	9	
	<i>m</i>	*	*	*	*	*	*	*	*	32	27	21	15	13	11	8	7	5	
0,8	<i>n</i>	*	*	*	*	*	*	*	*	*	43	34	28	22	17	14	11	9	
	<i>m</i>	*	*	*	*	*	*	*	*	*	27	21	15	13	11	8	7	5	
1,0	<i>n</i>	*	*	*	*	*	*	*	*	*	*	34	28	22	17	14	11	9	
	<i>m</i>	*	*	*	*	*	*	*	*	*	*	21	15	13	11	8	7	5	
1,25	<i>n</i>	*	*	*	*	*	*	*	*	*	*	*	28	22	17	14	11	9	
	<i>m</i>	*	*	*	*	*	*	*	*	*	*	*	15	13	11	8	7	5	
1,6	<i>n</i>	*	*	*	*	*	*	*	*	*	*	*	*	22	17	14	11	9	
	<i>m</i>	*	*	*	*	*	*	*	*	*	*	*	*	13	11	8	7	5	
2,0	<i>n</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	17	14	11	9	
	<i>m</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	11	8	7	5	
2,5	<i>n</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14	11	9	
	<i>m</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8	7	5	
3,15	<i>n</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	11	9	
	<i>m</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7	5	
4,0	<i>n</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9	
	<i>m</i>	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5	

NOTE Cells containing asterisks indicate that no double sampling plan of the form $(n, 0, 2; m, 1, 2)$ for nonconformities exists with $\alpha \leq 10\%$ and $\beta \leq 10\%$ for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

**Table 7 — Average sample sizes (ASSIs) for plans for nonconforming items:
uncurtailed inspection with $\alpha \leq 5\%$ and $\beta \leq 5\%$**

PRQ (%)	ASSIs at:	Consumer's risk quality (%)													
		1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	PRQ	231	182	142	111	87,6	68,4	53,5	41,9	33,5	26,4	20,2	15,1	12,1	9,1
	max.	255	204	163	129	101	80,5	63,5	49,6	39,4	31,3	24,2	18,8	14,7	11,3
	CRQ	224	180	142	113	89,2	70,6	55,7	43,7	34,9	27,6	21,3	16,3	12,9	9,8
0,125	PRQ	*	185	144	112	88,4	69,0	53,9	42,1	33,7	26,4	20,3	15,2	12,1	9,1
	max.	*	204	163	129	101	80,5	63,5	49,6	39,4	31,3	24,2	18,8	14,7	11,3
	CRQ	*	180	142	113	89,2	70,6	55,7	43,7	34,9	27,6	21,3	16,3	12,9	9,8
0,160	PRQ	*	*	147	114	89,4	69,7	54,4	42,4	33,9	26,6	20,3	15,2	12,1	9,1
	max.	*	*	163	129	101	80,5	63,5	49,6	39,4	31,3	24,2	18,8	14,7	11,3
	CRQ	*	*	142	113	89,2	70,6	55,7	43,7	34,9	27,6	21,3	16,3	12,9	9,8
0,2	PRQ	*	*	*	116	90,5	70,5	54,9	42,7	34,1	26,7	20,4	15,3	12,2	9,1
	max.	*	*	*	129	101	80,5	63,5	49,6	39,4	31,3	24,2	18,8	14,7	11,3
	CRQ	*	*	*	113	89,2	70,6	55,7	43,7	34,9	27,6	21,3	16,3	12,9	9,8
0,25	PRQ	*	*	*	*	91,8	71,5	55,5	43,1	34,3	26,9	20,5	15,4	12,2	9,1
	max.	*	*	*	*	101	80,5	63,5	49,6	39,4	31,3	24,2	18,8	14,7	11,3
	CRQ	*	*	*	*	89,2	70,6	55,7	43,7	34,9	27,6	21,3	16,3	12,9	9,8
0,315	PRQ	*	*	*	*	*	72,6	56,3	43,6	34,6	27,1	20,7	15,5	12,3	9,2
	max.	*	*	*	*	*	80,5	63,5	49,6	39,4	31,3	24,2	18,8	14,7	11,3
	CRQ	*	*	*	*	*	70,6	55,7	43,7	34,9	27,6	21,3	16,3	12,9	9,8
0,4	PRQ	*	*	*	*	*	*	57,3	44,2	35,0	27,3	20,8	15,6	12,3	9,2
	max.	*	*	*	*	*	*	63,5	49,6	39,4	31,3	24,2	18,8	14,7	11,3
	CRQ	*	*	*	*	*	*	55,7	43,7	34,9	27,6	21,3	16,3	12,9	9,8
0,5	PRQ	*	*	*	*	*	*	*	44,9	35,4	27,6	21,0	15,7	12,4	9,3
	max.	*	*	*	*	*	*	*	49,6	39,4	31,3	24,2	18,8	14,7	11,3
	CRQ	*	*	*	*	*	*	*	43,7	34,9	27,6	21,3	16,3	12,9	9,8
0,63	PRQ	*	*	*	*	*	*	*	*	35,9	28,0	21,2	15,9	12,5	9,3
	max.	*	*	*	*	*	*	*	*	39,4	31,3	24,2	18,8	14,7	11,3
	CRQ	*	*	*	*	*	*	*	*	34,9	27,6	21,3	16,3	12,9	9,8
0,8	PRQ	*	*	*	*	*	*	*	*	*	28,4	21,5	16,1	12,6	9,4
	max.	*	*	*	*	*	*	*	*	*	31,3	24,2	18,8	14,7	11,3
	CRQ	*	*	*	*	*	*	*	*	*	27,6	21,3	16,3	12,9	9,8
1,0	PRQ	*	*	*	*	*	*	*	*	*	*	21,8	16,3	12,75	9,5
	max.	*	*	*	*	*	*	*	*	*	*	24,2	18,8	14,7	11,3
	CRQ	*	*	*	*	*	*	*	*	*	*	21,3	16,3	12,9	9,8
1,25	PRQ	*	*	*	*	*	*	*	*	*	*	22,8	16,6	12,9	9,6
	max.	*	*	*	*	*	*	*	*	*	*	24,4	18,8	14,7	11,3
	CRQ	*	*	*	*	*	*	*	*	*	*	21,9	16,3	12,9	9,8
1,6	PRQ	*	*	*	*	*	*	*	*	*	*	*	18,3	13,1	9,8
	max.	*	*	*	*	*	*	*	*	*	*	*	19,3	14,7	11,3
	CRQ	*	*	*	*	*	*	*	*	*	*	*	17,6	12,9	9,8
2,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	13,3	9,9
	max.	*	*	*	*	*	*	*	*	*	*	*	*	14,7	11,3
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	12,9	9,8
2,5	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	10,1
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	11,3
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	9,8

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 5\%$ and $\beta \leq 5\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

**Table 8 — Average sample sizes (ASSIs) for plans for nonconforming items:
uncurtailed inspection with $\alpha \leq 5\%$ and $\beta \leq 10\%$**

PRQ (%)	ASSIs at:	Consumer's risk quality (%)														
		1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	PRQ	239	183	143	113	88,3	68,7	54,7	43,0	33,6	26,4	20,3	15,2	12,1	9,1	7,0
	max.	265	207	165	132	104	81,9	65,3	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4
	CRQ	240	187	149	119	94,2	74,0	59,1	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4
0,125	PRQ	*	186	145	114	89,2	69,3	55,0	43,3	33,8	26,5	20,3	15,2	12,1	9,1	7,1
	max.	*	207	165	132	104	81,9	65,3	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4
	CRQ	*	187	149	119	94,2	74,0	59,1	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4
0,160	PRQ	*	*	148	116	90,5	70,1	55,6	43,6	34,0	26,6	20,4	15,3	12,2	9,1	7,1
	max.	*	*	165	132	104	81,9	65,3	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4
	CRQ	*	*	149	119	94,2	74,0	59,1	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4
0,2	PRQ	*	*	*	118	91,8	71,0	56,2	44,0	34,2	26,8	20,5	15,4	12,2	9,1	7,1
	max.	*	*	*	132	104	81,9	65,3	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4
	CRQ	*	*	*	119	94,2	74,0	59,1	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4
0,25	PRQ	*	*	*	*	93,4	72,0	56,8	44,5	34,5	27,0	20,7	15,4	12,3	9,2	7,1
	max.	*	*	*	*	104	81,9	65,3	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4
	CRQ	*	*	*	*	94,2	74,0	59,1	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4
0,315	PRQ	*	*	*	*	*	73,3	57,7	45,0	34,9	27,2	20,8	15,5	12,3	9,2	7,1
	max.	*	*	*	*	*	81,9	65,3	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4
	CRQ	*	*	*	*	*	74,0	59,1	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4
0,4	PRQ	*	*	*	*	*	*	58,7	45,7	35,3	27,5	21,0	15,7	12,4	9,3	7,2
	max.	*	*	*	*	*	*	65,3	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4
	CRQ	*	*	*	*	*	*	59,1	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4
0,5	PRQ	*	*	*	*	*	*	*	46,4	35,8	27,8	21,3	15,8	12,5	9,3	7,2
	max.	*	*	*	*	*	*	*	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4
	CRQ	*	*	*	*	*	*	*	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4
0,63	PRQ	*	*	*	*	*	*	*	*	36,4	28,2	21,6	16,0	12,6	9,4	7,3
	max.	*	*	*	*	*	*	*	*	40,5	32,0	25,3	19,6	15,5	12,1	9,4
	CRQ	*	*	*	*	*	*	*	*	36,7	29,0	22,8	17,5	13,9	10,8	8,4
0,8	PRQ	*	*	*	*	*	*	*	*	*	28,7	21,9	16,3	12,8	9,5	7,3
	max.	*	*	*	*	*	*	*	*	*	32,0	25,3	19,6	15,5	12,1	9,4
	CRQ	*	*	*	*	*	*	*	*	*	29,0	22,8	17,5	13,9	10,8	8,4
1,0	PRQ	*	*	*	*	*	*	*	*	*	*	22,3	16,6	13,0	9,7	7,4
	max.	*	*	*	*	*	*	*	*	*	*	25,3	19,6	15,5	12,1	9,4
	CRQ	*	*	*	*	*	*	*	*	*	*	22,8	17,5	13,9	10,8	8,4
1,25	PRQ	*	*	*	*	*	*	*	*	*	*	*	16,9	13,2	9,8	7,5
	max.	*	*	*	*	*	*	*	*	*	*	*	19,6	15,5	12,1	9,4
	CRQ	*	*	*	*	*	*	*	*	*	*	*	17,5	13,9	10,8	8,4
1,6	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	13,4	10,0	7,6
	max.	*	*	*	*	*	*	*	*	*	*	*	*	15,5	12,1	9,4
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	13,9	10,8	8,4
2,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	17,2	10,2	7,7
	max.	*	*	*	*	*	*	*	*	*	*	*	*	17,4	12,1	9,4
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	17,1	10,8	8,4
2,5	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7,9
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9,4
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8,4
3,15	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8,8
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9,6
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8,7

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 5\%$ and $\beta \leq 10\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

**Table 9 — Average sample sizes (ASSIs) for plans for nonconforming items:
uncurtailed inspection with $\alpha \leq 10\%$ and $\beta \leq 10\%$**

PRQ (%)	ASSIs at:	Consumer's risk quality (%)																	
		0,8	1,0	1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5	
0,1	PRQ	387	304	239	183	143	113	88,3	68,7	54,7	43,0	33,6	26,4	20,3	15,2	12,1	9,1	7,0	
	max.	415	332	265	207	165	132	104	81,9	65,3	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4	
	CRQ	375	300	240	187	149	119	94,2	74,0	59,1	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4	
0,125	PRQ	*	310	243	186	145	114	89,2	69,3	55,0	43,3	33,8	26,5	20,3	15,2	12,1	9,1	7,1	
	max.	*	332	265	207	165	132	104	81,9	65,3	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4	
	CRQ	*	300	240	187	149	119	94,2	74,0	59,1	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4	
0,16	PRQ	*	*	249	190	148	116	90,5	70,1	55,6	43,6	34,0	26,6	20,4	15,3	12,2	9,1	7,1	
	max.	*	*	265	207	165	132	104	81,9	65,3	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4	
	CRQ	*	*	240	187	149	119	94,2	74,0	59,1	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4	
0,2	PRQ	*	*	*	193	151	118	91,8	71,0	56,2	44,0	34,2	26,8	20,5	15,4	12,2	9,1	7,1	
	max.	*	*	*	207	165	132	104	81,9	65,3	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4	
	CRQ	*	*	*	187	149	119	94,2	74,0	59,1	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4	
0,25	PRQ	*	*	*	*	154	120	93,4	72,0	56,8	44,5	34,5	27,0	20,7	15,4	12,3	9,2	7,1	
	max.	*	*	*	*	165	132	104	81,9	65,3	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4	
	CRQ	*	*	*	*	149	119	94,2	74,0	59,1	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4	
0,315	PRQ	*	*	*	*	*	123	95,2	73,3	57,7	45,0	34,9	27,2	20,8	15,5	12,3	9,2	7,1	
	max.	*	*	*	*	*	132	104	81,9	65,3	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4	
	CRQ	*	*	*	*	*	119	94,2	74,0	59,1	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4	
0,4	PRQ	*	*	*	*	*	*	97,3	74,7	58,7	45,7	35,3	27,5	21,0	15,7	12,4	9,3	7,2	
	max.	*	*	*	*	*	*	104	81,9	65,3	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4	
	CRQ	*	*	*	*	*	*	94,2	74,0	59,1	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4	
0,5	PRQ	*	*	*	*	*	*	*	76,2	59,7	46,4	35,8	27,8	21,3	15,8	12,5	9,35	7,2	
	max.	*	*	*	*	*	*	*	81,9	65,3	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4	
	CRQ	*	*	*	*	*	*	*	74,0	59,1	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4	
0,63	PRQ	*	*	*	*	*	*	*	*	60,9	47,3	36,4	28,2	21,6	16,0	12,6	9,4	7,3	
	max.	*	*	*	*	*	*	*	*	65,3	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4	
	CRQ	*	*	*	*	*	*	*	*	59,1	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4	
0,8	PRQ	*	*	*	*	*	*	*	*	*	48,3	37,1	28,7	21,9	16,3	12,8	9,5	7,3	
	max.	*	*	*	*	*	*	*	*	*	51,7	40,5	32,0	25,3	19,6	15,5	12,1	9,4	
	CRQ	*	*	*	*	*	*	*	*	*	46,8	36,7	29,0	22,8	17,5	13,9	10,8	8,4	
1,0	PRQ	*	*	*	*	*	*	*	*	*	*	37,8	29,2	22,3	16,6	13,0	9,7	7,4	
	max.	*	*	*	*	*	*	*	*	*	*	40,5	32,0	25,3	19,6	15,5	12,1	9,4	
	CRQ	*	*	*	*	*	*	*	*	*	*	36,7	29,0	22,8	17,5	13,9	10,8	8,4	
1,25	PRQ	*	*	*	*	*	*	*	*	*	*	*	29,8	22,8	16,9	13,2	9,8	7,5	
	max.	*	*	*	*	*	*	*	*	*	*	*	32,0	25,3	19,6	15,5	12,1	9,4	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	29,0	22,8	17,5	13,9	10,8	8,4	
1,6	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	23,3	17,3	13,4	10,0	7,6	
	max.	*	*	*	*	*	*	*	*	*	*	*	*	25,3	19,6	15,5	12,1	9,4	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	22,8	17,5	13,9	10,8	8,4	
2,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	17,7	13,7	10,2	7,7	
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	19,6	15,5	12,1	9,4	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	17,5	13,9	10,8	8,4	
2,5	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	14,0	10,5	7,9	
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15,5	12,1	9,4	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13,9	10,8	8,4	
3,15	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10,8	8,1	
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12,1	9,4	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10,8	8,4	
4,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8,3	
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9,4	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8,4	

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 10\%$ and $\beta \leq 10\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

**Table 10 — Average sample sizes (ASSIs) for plans for nonconformities:
uncurtailed inspection with $\alpha \leq 5\%$ and $\beta \leq 5\%$**

PRQ (%)	ASSIs at:	Consumer's risk quality (%)													
		1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	PRQ	233	183	145	114	87,9	71,3	56,5	43,9	35,6	27,4	21,3	17,2	14,1	11,1
	max.	257	205	164	130	103	82,2	65,3	51,5	41,3	32,9	25,8	20,7	16,6	13,2
	CRQ	226	180	145	115	90,0	72,9	58,0	45,5	36,8	28,8	22,5	18,1	14,7	11,7
0,125	PRQ	*	186	147	115	88,8	71,8	56,8	44,2	35,7	27,5	21,3	17,2	14,1	11,1
	max.	*	205	164	130	103	82,2	65,3	51,5	41,3	32,9	25,8	20,7	16,6	13,2
	CRQ	*	180	145	115	90,0	72,9	58,0	45,5	36,8	28,8	22,5	18,1	14,7	11,7
0,160	PRQ	*	*	149	117	90,0	72,6	57,3	44,5	35,9	27,7	21,4	17,3	14,2	11,1
	max.	*	*	164	130	103	82,2	65,3	51,5	41,3	32,9	25,8	20,7	16,6	13,2
	CRQ	*	*	145	115	90,0	72,9	58,0	45,5	36,8	28,8	22,5	18,1	14,7	11,7
0,2	PRQ	*	*	*	119	91,2	73,3	57,8	44,8	36,1	27,8	21,5	17,3	14,2	11,1
	max.	*	*	*	130	103	82,2	65,3	51,5	41,3	32,9	25,8	20,7	16,6	13,2
	CRQ	*	*	*	115	90,0	72,9	58,0	45,5	36,8	28,8	22,5	18,1	14,7	11,7
0,25	PRQ	*	*	*	*	92,7	74,2	58,4	45,2	36,4	28,0	21,6	17,4	14,2	11,2
	max.	*	*	*	*	103	82,2	65,3	51,5	41,3	32,9	25,8	20,7	16,6	13,2
	CRQ	*	*	*	*	90,0	72,9	58,0	45,5	36,8	28,8	22,5	18,1	14,7	11,7
0,315	PRQ	*	*	*	*	*	75,3	59,1	45,7	36,7	28,2	21,8	17,5	14,3	11,2
	max.	*	*	*	*	*	82,2	65,3	51,5	41,3	32,9	25,8	20,7	16,6	13,2
	CRQ	*	*	*	*	*	72,9	58,0	45,5	36,8	28,8	22,5	18,1	14,7	11,7
0,4	PRQ	*	*	*	*	*	*	59,9	46,3	37,1	28,6	22,0	17,6	14,4	11,3
	max.	*	*	*	*	*	*	65,3	51,5	41,3	32,9	25,8	20,7	16,6	13,2
	CRQ	*	*	*	*	*	*	58,0	45,5	36,8	28,8	22,5	18,1	14,7	11,7
0,5	PRQ	*	*	*	*	*	*	*	47,0	37,5	28,9	22,2	17,8	14,5	11,3
	max.	*	*	*	*	*	*	*	51,5	41,3	32,9	25,8	20,7	16,6	13,2
	CRQ	*	*	*	*	*	*	*	45,5	36,8	28,8	22,5	18,1	14,7	11,7
0,63	PRQ	*	*	*	*	*	*	*	*	38,0	29,3	22,5	18,0	14,6	11,4
	max.	*	*	*	*	*	*	*	*	41,3	32,9	25,8	20,7	16,6	13,2
	CRQ	*	*	*	*	*	*	*	*	36,8	28,8	22,5	18,1	14,7	11,7
0,8	PRQ	*	*	*	*	*	*	*	*	*	29,8	22,8	18,2	14,7	11,5
	max.	*	*	*	*	*	*	*	*	*	32,9	25,8	20,7	16,6	13,2
	CRQ	*	*	*	*	*	*	*	*	*	28,8	22,5	18,1	14,7	11,7
1,0	PRQ	*	*	*	*	*	*	*	*	*	*	23,2	18,4	14,9	11,6
	max.	*	*	*	*	*	*	*	*	*	*	25,8	20,7	16,6	13,2
	CRQ	*	*	*	*	*	*	*	*	*	*	22,5	18,1	14,7	11,7
1,25	PRQ	*	*	*	*	*	*	*	*	*	*	*	18,7	15,0	11,7
	max.	*	*	*	*	*	*	*	*	*	*	*	20,7	16,6	13,2
	CRQ	*	*	*	*	*	*	*	*	*	*	*	18,1	14,7	11,7
1,6	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	15,3	11,9
	max.	*	*	*	*	*	*	*	*	*	*	*	*	16,6	13,2
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	14,7	11,7
2,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	12,1
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	13,2
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	11,7

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 5\%$ and $\beta \leq 5\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

**Table 11 — Average sample sizes (ASSIs) for plans for nonconformities:
uncurtailed inspection with $\alpha \leq 5\%$ and $\beta \leq 10\%$**

PRQ (%)	ASSIs at:	Consumer's risk quality (%)														
		1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	PRQ	240	183	146	115	90,3	71,5	56,7	44,1	34,7	28,4	22,3	17,2	14,1	11,1	9,0
	max.	266	208	167	133	106	83,3	66,8	52,9	41,7	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	241	188	151	121	95,7	75,8	60,6	47,9	37,8	30,6	24,3	19,0	15,4	12,2	9,8
0,125	PRQ	*	187	148	117	91,2	72,1	57,1	44,4	34,9	28,5	22,3	17,2	14,1	11,1	9,1
	max.	*	208	167	133	106	83,3	66,8	52,9	41,7	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	*	188	151	121	95,7	75,8	60,6	47,9	37,8	30,6	24,3	19,0	15,4	12,2	9,8
0,160	PRQ	*	*	151	119	92,5	72,9	57,6	44,7	35,1	28,6	22,4	17,3	14,2	11,1	9,1
	max.	*	*	167	133	106	83,3	66,8	52,9	41,7	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	*	*	151	121	95,7	75,8	60,6	47,9	37,8	30,6	24,3	19,0	15,4	12,2	9,8
0,2	PRQ	*	*	*	121	93,8	73,7	58,2	45,1	35,3	28,8	22,5	17,4	14,2	11,2	9,1
	max.	*	*	*	133	106	83,3	66,8	52,9	41,7	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	*	*	*	121	95,7	75,8	60,6	47,9	37,8	30,6	24,3	19,0	15,4	12,2	9,8
0,25	PRQ	*	*	*	*	95,4	74,7	58,8	45,6	35,6	29,0	22,7	17,4	14,3	11,2	9,1
	max.	*	*	*	*	106	83,3	66,8	52,9	41,7	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	*	*	*	*	95,7	75,8	60,6	47,9	37,8	30,6	24,3	19,0	15,4	12,2	9,8
0,315	PRQ	*	*	*	*	*	75,8	59,7	46,2	36,0	29,2	22,8	17,6	14,3	11,2	9,1
	max.	*	*	*	*	*	83,3	66,8	52,9	41,7	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	*	*	*	*	*	75,8	60,6	47,9	37,8	30,6	24,3	19,0	15,4	12,2	9,8
0,4	PRQ	*	*	*	*	*	*	60,6	46,9	36,5	29,5	23,0	17,7	14,4	11,3	9,2
	max.	*	*	*	*	*	*	66,8	52,9	41,7	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	*	*	*	*	*	*	60,6	47,9	37,8	30,6	24,3	19,0	15,4	12,2	9,8
0,5	PRQ	*	*	*	*	*	*	*	47,7	37,0	29,8	23,3	17,9	14,5	11,4	9,2
	max.	*	*	*	*	*	*	*	52,9	41,7	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	*	*	*	*	*	*	*	47,9	37,8	30,6	24,3	19,0	15,4	12,2	9,8
0,63	PRQ	*	*	*	*	*	*	*	*	37,6	30,2	23,6	18,1	14,6	11,5	9,3
	max.	*	*	*	*	*	*	*	*	41,7	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	*	*	*	*	*	*	*	*	37,8	30,6	24,3	19,0	15,4	12,2	9,8
0,8	PRQ	*	*	*	*	*	*	*	*	*	30,7	23,9	18,3	14,8	11,6	9,3
	max.	*	*	*	*	*	*	*	*	*	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	*	*	*	*	*	*	*	*	*	30,6	24,3	19,0	15,4	12,2	9,8
1,0	PRQ	*	*	*	*	*	*	*	*	*	*	24,3	18,6	15,0	11,7	9,4
	max.	*	*	*	*	*	*	*	*	*	*	26,8	21,0	16,9	13,6	10,8
	CRQ	*	*	*	*	*	*	*	*	*	*	24,3	19,0	15,4	12,2	9,8
1,25	PRQ	*	*	*	*	*	*	*	*	*	*	*	18,9	15,2	11,8	9,5
	max.	*	*	*	*	*	*	*	*	*	*	*	21,0	16,9	13,6	10,8
	CRQ	*	*	*	*	*	*	*	*	*	*	*	19,0	15,4	12,2	9,8
1,6	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	15,4	12,0	9,6
	max.	*	*	*	*	*	*	*	*	*	*	*	*	16,9	13,6	10,8
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	15,4	12,2	9,8
2,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	12,2	9,8
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	13,6	10,8
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	12,2	9,8

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 5\%$ and $\beta \leq 10\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

**Table 12 — Average sample sizes (ASSIs) for plans for nonconformities:
uncurtailed inspection with $\alpha \leq 10\%$ and $\beta \leq 10\%$**

PRQ (%)	ASSIs at:	Consumer's risk quality (%)																
		0,8	1,0	1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	PRQ	388	305	240	183	146	115	90,3	71,5	56,7	44,1	34,7	28,4	22,3	17,2	14,1	11,1	9,0
	max.	416	333	266	208	167	133	106	83,3	66,8	52,9	41,7	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	376	301	241	188	151	121	95,7	75,8	60,6	47,9	37,8	30,6	24,3	19,0	15,4	12,2	9,8
0,125	PRQ	*	311	244	187	148	117	91,2	72,1	57,1	44,4	34,9	28,5	22,3	17,2	14,1	11,1	9,1
	max.	*	333	266	208	167	133	106	83,3	66,8	52,9	41,7	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	*	301	241	188	151	121	95,7	75,8	60,6	47,9	37,8	30,6	24,3	19,0	15,4	12,2	9,8
0,160	PRQ	*	*	250	190	151	119	92,5	72,9	57,6	44,7	35,1	28,6	22,4	17,3	14,2	11,1	9,1
	max.	*	*	266	208	167	133	106	83,3	66,8	52,9	41,7	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	*	*	241	188	151	121	95,7	75,8	60,6	47,9	37,8	30,6	24,3	19,0	15,4	12,2	9,8
0,2	PRQ	*	*	*	194	153	121	93,8	73,7	58,2	45,1	35,3	28,8	22,5	17,4	14,2	11,2	9,1
	max.	*	*	*	208	167	133	106	83,3	66,8	52,9	41,7	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	*	*	*	188	151	121	95,7	75,8	60,6	47,9	37,8	30,6	24,3	19,0	15,4	12,2	9,8
0,25	PRQ	*	*	*	*	156	123	95,4	74,7	58,8	45,6	35,6	29,0	22,7	17,4	14,3	11,2	9,1
	max.	*	*	*	*	167	133	106	83,3	66,8	52,9	41,7	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	*	*	*	*	151	121	95,7	75,8	60,6	47,9	37,8	30,6	24,3	19,0	15,4	12,2	9,8
0,315	PRQ	*	*	*	*	*	125	97,2	75,8	59,7	46,2	36,0	29,2	22,8	17,6	14,3	11,2	9,1
	max.	*	*	*	*	*	133	106	83,3	66,8	52,9	41,7	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	*	*	*	*	*	121	95,7	75,8	60,6	47,9	37,8	30,6	24,3	19,0	15,4	12,2	9,8
0,4	PRQ	*	*	*	*	*	*	99,2	77,2	60,6	46,9	36,5	29,5	23,0	17,7	14,4	11,3	9,2
	max.	*	*	*	*	*	*	106	83,3	66,8	52,9	41,7	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	*	*	*	*	*	*	95,7	75,8	60,6	47,9	37,8	30,6	24,3	19,0	15,4	12,2	9,8
0,5	PRQ	*	*	*	*	*	*	*	78,5	61,7	47,7	37,0	29,8	23,3	17,9	14,5	11,4	9,2
	max.	*	*	*	*	*	*	*	83,3	66,8	52,9	41,7	33,5	26,8	21,0	16,9	13,6	10,8
	CRQ	*	*	*	*	*	*	*	75,8	60,6	47,9	37,8	30,6	24,3	19,0	15,4	12,2	9,8
0,63	PRQ	*	*	*	*	*	*	*	*	*	62,8	48,6	37,6	30,2	23,6	18,1	14,6	11,5
	max.	*	*	*	*	*	*	*	*	*	66,8	52,9	41,7	33,5	26,8	21,0	16,9	13,6
	CRQ	*	*	*	*	*	*	*	*	*	60,6	47,9	37,8	30,6	24,3	19,0	15,4	12,2
0,8	PRQ	*	*	*	*	*	*	*	*	*	*	49,6	38,4	30,7	23,9	18,3	14,8	11,6
	max.	*	*	*	*	*	*	*	*	*	*	52,9	41,7	33,5	26,8	21,0	16,9	13,6
	CRQ	*	*	*	*	*	*	*	*	*	*	47,9	37,8	30,6	24,3	19,0	15,4	12,2
1,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	39,1	31,2	24,3	18,6	15,0	11,7
	max.	*	*	*	*	*	*	*	*	*	*	*	41,7	33,5	26,8	21,0	16,9	13,6
	CRQ	*	*	*	*	*	*	*	*	*	*	*	37,8	30,6	24,3	19,0	15,4	12,2
1,25	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	31,7	24,7	18,9	15,2	11,8
	max.	*	*	*	*	*	*	*	*	*	*	*	*	33,5	26,8	21,0	16,9	13,6
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	30,6	24,3	19,0	15,4	12,2
1,6	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	25,2	19,3	15,4	12,0
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	26,8	21,0	16,9	13,6
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	24,3	19,0	15,4	12,2
2,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	19,7	15,7	12,2
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	21,0	16,9	13,6
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	19,0	15,4	12,2
2,5	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	16,0	12,5
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	16,9	13,6
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15,4	12,2
3,15	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12,7
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13,6
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12,2
4,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10,3
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10,8
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9,8

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 10\%$ and $\beta \leq 10\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

Table 13 — Actual risks in percent for plans for nonconforming items: $\alpha \leq 5\%$ and $\beta \leq 5\%$

PRQ (%)	Risk (%)	Consumer's risk quality (%)													
		1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	α	3,870	2,553	1,701	1,097	0,678	0,442	0,279	0,170	0,106	0,067	0,040	0,025	0,015	0,009
	β	4,994	4,989	5,000	4,999	4,977	4,978	4,970	4,992	4,980	4,885	4,771	4,935	4,859	4,740
0,125	α	*	3,831	2,573	1,670	1,038	0,680	0,431	0,262	0,164	0,104	0,063	0,039	0,023	0,014
	β	*	4,989	5,000	4,999	4,977	4,978	4,970	4,992	4,980	4,885	4,771	4,935	4,859	4,740
0,160	α	*	*	4,028	2,639	1,654	1,089	0,693	0,424	0,265	0,170	0,102	0,064	0,038	0,023
	β	*	*	5,000	4,999	4,977	4,978	4,970	4,992	4,980	4,885	4,771	4,935	4,859	4,740
0,2	α	*	*	*	3,957	2,503	1,659	1,061	0,652	0,410	0,263	0,158	0,099	0,059	0,035
	β	*	*	*	4,999	4,977	4,978	4,970	4,992	4,980	4,885	4,771	4,935	4,859	4,740
0,25	α	*	*	*	*	3,758	2,510	1,617	0,999	0,631	0,405	0,245	0,154	0,091	0,055
	β	*	*	*	*	4,977	4,978	4,970	4,992	4,980	4,885	4,771	4,935	4,859	4,740
0,315	α	*	*	*	*	*	3,823	2,485	1,547	0,982	0,634	0,384	0,242	0,144	0,087
	β	*	*	*	*	*	4,978	4,970	4,992	4,980	4,885	4,771	4,935	4,859	4,740
0,4	α	*	*	*	*	*	*	3,839	2,413	1,543	1,001	0,610	0,385	0,230	0,139
	β	*	*	*	*	*	*	4,970	4,992	4,980	4,885	4,771	4,935	4,859	4,740
0,5	α	*	*	*	*	*	*	*	3,628	2,339	1,527	0,935	0,593	0,355	0,216
	β	*	*	*	*	*	*	*	4,992	4,980	4,885	4,771	4,935	4,859	4,740
0,63	α	*	*	*	*	*	*	*	*	3,571	2,351	1,450	0,924	0,556	0,339
	β	*	*	*	*	*	*	*	*	4,980	4,885	4,771	4,935	4,859	4,740
0,8	α	*	*	*	*	*	*	*	*	*	3,641	2,267	1,455	0,881	0,540
	β	*	*	*	*	*	*	*	*	*	4,885	4,771	4,935	4,859	4,740
1,0	α	*	*	*	*	*	*	*	*	*	*	3,415	2,209	1,347	0,830
	β	*	*	*	*	*	*	*	*	*	*	4,771	4,935	4,859	4,740
1,25	α	*	*	*	*	*	*	*	*	*	*	4,988	3,331	2,050	1,270
	β	*	*	*	*	*	*	*	*	*	*	4,710	4,935	4,859	4,740
1,6	α	*	*	*	*	*	*	*	*	*	*	*	4,907	3,235	2,023
	β	*	*	*	*	*	*	*	*	*	*	*	4,761	4,859	4,740
2,0	α	*	*	*	*	*	*	*	*	*	*	*	*	4,845	3,060
	β	*	*	*	*	*	*	*	*	*	*	*	*	4,859	4,740
2,5	α	*	*	*	*	*	*	*	*	*	*	*	*	*	4,591
	β	*	*	*	*	*	*	*	*	*	*	*	*	*	4,740

NOTE Cells containing asterisks indicate that no double sampling plan of the form $(n, 0, 2; m, 1, 2)$ for nonconforming items exists with $\alpha \leq 5\%$ and $\beta \leq 5\%$ for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

Table 14 — Actual risks in percent for plans for nonconforming items: $\alpha \leq 5\%$ and $\beta \leq 10\%$

PRQ (%)	Risk (%)	Consumer's risk quality (%)														
		1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	α	4,186	2,674	1,776	1,165	0,774	0,466	0,297	0,187	0,115	0,072	0,046	0,028	0,017	0,011	0,006
	β	9,998	9,998	9,996	9,986	9,992	9,972	9,984	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,125	α	*	*	2,684	1,772	1,138	0,716	0,457	0,290	0,178	0,112	0,072	0,044	0,027	0,017	0,010
	β	*	*	9,996	9,986	9,992	9,972	9,984	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,160	α	*	*	4,196	2,796	1,810	1,146	0,736	0,468	0,289	0,182	0,117	0,071	0,044	0,027	0,016
	β	*	*	9,996	9,986	9,992	9,972	9,984	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,2	α	*	*	*	4,187	2,734	1,744	1,126	0,719	0,446	0,282	0,181	0,111	0,068	0,042	0,025
	β	*	*	*	9,986	9,992	9,972	9,984	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,25	α	*	*	*	*	4,097	2,637	1,714	1,101	0,685	0,435	0,279	0,171	0,106	0,066	0,039
	β	*	*	*	*	9,992	9,972	9,984	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,315	α	*	*	*	*	*	4,011	2,630	1,701	1,066	0,679	0,438	0,269	0,166	0,104	0,061
	β	*	*	*	*	*	9,972	9,984	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,4	α	*	*	*	*	*	*	4,059	2,650	1,672	1,072	0,694	0,429	0,266	0,167	0,098
	β	*	*	*	*	*	*	9,984	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,5	α	*	*	*	*	*	*	*	3,975	2,532	1,634	1,064	0,660	0,410	0,258	0,152
	β	*	*	*	*	*	*	*	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,63	α	*	*	*	*	*	*	*	*	3,858	2,512	1,646	1,026	0,641	0,405	0,240
	β	*	*	*	*	*	*	*	*	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,8	α	*	*	*	*	*	*	*	*	*	3,883	2,566	1,612	1,013	0,642	0,382
	β	*	*	*	*	*	*	*	*	*	9,920	9,970	9,894	9,639	9,764	9,430
1,0	α	*	*	*	*	*	*	*	*	*	*	3,855	2,444	1,547	0,985	0,589
	β	*	*	*	*	*	*	*	*	*	*	9,970	9,894	9,639	9,764	9,430
1,25	α	*	*	*	*	*	*	*	*	*	*	*	3,675	2,347	1,504	0,905
	β	*	*	*	*	*	*	*	*	*	*	*	9,894	9,639	9,764	9,430
1,6	α	*	*	*	*	*	*	*	*	*	*	*	*	3,691	2,387	1,447
	β	*	*	*	*	*	*	*	*	*	*	*	*	9,639	9,764	9,430
2,0	α	*	*	*	*	*	*	*	*	*	*	*	*	4,951	3,597	2,201
	β	*	*	*	*	*	*	*	*	*	*	*	*	9,908	9,764	9,430
2,5	α	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3,326
	β	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9,430
3,15	α	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4,869
	β	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8,774

NOTE Cells containing asterisks indicate that no double sampling plan of the form $(n, 0, 2; m, 1, 2)$ for nonconforming items exists with $\alpha \leq 5\%$ and $\beta \leq 10\%$ for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

Table 15 — Actual risks in percent for plans for nonconforming items: $\alpha \leq 10\%$ and $\beta \leq 10\%$

PRQ (%)	Risk (%)	Consumer's risk quality (%)																
		0,8	1,0	1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	α	9,150	6,240	4,186	2,674	1,776	1,165	0,744	0,466	0,297	0,187	0,115	0,072	0,046	0,028	0,017	0,011	0,006
	β	9,997	9,993	9,998	9,998	9,996	9,986	9,992	9,972	9,984	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,125	α	*	9,129	6,204	4,008	2,684	1,772	1,138	0,716	0,457	0,290	0,178	0,112	0,072	0,044	0,027	0,017	0,010
	β	*	9,993	9,998	9,998	9,996	9,986	9,992	9,972	9,984	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,160	α	*	*	9,445	6,198	4,196	2,796	1,810	1,146	0,736	0,468	0,289	0,182	0,117	0,071	0,044	0,027	0,016
	β	*	*	9,998	9,998	9,996	9,986	9,992	9,972	9,984	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,2	α	*	*	*	9,070	6,218	4,187	2,734	1,744	1,126	0,719	0,446	0,282	0,181	0,111	0,068	0,042	0,025
	β	*	*	*	9,998	9,996	9,986	9,992	9,972	9,984	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,25	α	*	*	*	*	9,099	6,205	4,097	2,637	1,714	1,101	0,685	0,435	0,279	0,171	0,106	0,066	0,039
	β	*	*	*	*	9,996	9,986	9,992	9,972	9,984	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,315	α	*	*	*	*	*	9,202	6,161	4,011	2,630	1,701	1,066	0,679	0,438	0,269	0,166	0,104	0,061
	β	*	*	*	*	*	9,986	9,992	9,972	9,984	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,4	α	*	*	*	*	*	*	9,260	6,119	4,059	2,650	1,672	1,072	0,694	0,429	0,266	0,167	0,098
	β	*	*	*	*	*	*	9,992	9,972	9,984	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,5	α	*	*	*	*	*	*	*	8,962	6,024	3,975	2,532	1,634	1,064	0,660	0,410	0,258	0,152
	β	*	*	*	*	*	*	*	9,972	9,984	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,63	α	*	*	*	*	*	*	*	*	8,950	5,987	3,858	2,512	1,646	1,026	0,641	0,405	0,240
	β	*	*	*	*	*	*	*	*	9,984	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
0,8	α	*	*	*	*	*	*	*	*	*	9,018	5,898	3,883	2,566	1,612	1,013	0,642	0,382
	β	*	*	*	*	*	*	*	*	*	9,884	9,839	9,920	9,970	9,894	9,639	9,764	9,430
1,0	α	*	*	*	*	*	*	*	*	*	*	8,659	5,776	3,855	2,444	1,547	0,985	0,589
	β	*	*	*	*	*	*	*	*	*	*	9,839	9,920	9,970	9,894	9,639	9,764	9,430
1,25	α	*	*	*	*	*	*	*	*	*	*	*	8,491	5,736	3,675	2,347	1,504	0,905
	β	*	*	*	*	*	*	*	*	*	*	*	9,920	9,970	9,894	9,639	9,764	9,430
1,6	α	*	*	*	*	*	*	*	*	*	*	*	*	8,780	5,711	3,691	2,387	1,447
	β	*	*	*	*	*	*	*	*	*	*	*	*	9,970	9,894	9,639	9,764	9,430
2,0	α	*	*	*	*	*	*	*	*	*	*	*	*	*	8,401	5,506	3,597	2,201
	β	*	*	*	*	*	*	*	*	*	*	*	*	*	9,894	9,639	9,764	9,430
2,5	α	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8,120	5,371	3,326
	β	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9,639	9,764	9,430
3,15	α	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8,040	5,055
	β	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9,764	9,430
4,0	α	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7,699
	β	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9,430

NOTE Cells containing asterisks indicate that no double sampling plan of the form $(n, 0, 2; m, 1, 2)$ for nonconforming items exists with $\alpha \leq 10\%$ and $\beta \leq 10\%$ for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

Table 16 — Actual risks in percent for plans for nonconformities: $\alpha \leq 5\%$ and $\beta \leq 5\%$

PRQ (%)	Risk (%)	Consumer's risk quality (%)													
		1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	α	3,902	2,622	1,725	1,117	0,718	0,455	0,290	0,183	0,117	0,078	0,048	0,031	0,019	0,013
	β	4,992	4,994	4,993	4,989	4,991	4,985	4,984	4,958	4,951	4,985	4,932	4,873	4,856	4,764
0,125	α	*	3,931	2,607	1,699	1,098	0,699	0,447	0,284	0,181	0,120	0,075	0,048	0,030	0,020
	β	*	4,994	4,993	4,989	4,991	4,985	4,984	4,958	4,951	4,985	4,932	4,873	4,856	4,764
0,160	α	*	*	4,080	2,683	1,747	1,120	0,718	0,458	0,293	0,195	0,122	0,078	0,049	0,032
	β	*	*	4,993	4,989	4,991	4,985	4,984	4,958	4,951	4,985	4,932	4,873	4,856	4,764
0,2	α	*	*	*	4,021	2,640	1,704	1,099	0,704	0,452	0,302	0,189	0,122	0,076	0,050
	β	*	*	*	4,989	4,991	4,985	4,984	4,958	4,951	4,985	4,932	4,873	4,856	4,764
0,25	α	*	*	*	*	3,957	2,577	1,673	1,077	0,695	0,465	0,292	0,188	0,118	0,077
	β	*	*	*	*	4,991	4,985	4,984	4,958	4,951	4,985	4,932	4,873	4,856	4,764
0,315	α	*	*	*	*	*	3,921	2,568	1,665	1,080	0,726	0,458	0,296	0,186	0,121
	β	*	*	*	*	*	4,985	4,984	4,958	4,951	4,985	4,932	4,873	4,856	4,764
0,4	α	*	*	*	*	*	*	3,963	2,593	1,693	1,144	0,725	0,470	0,297	0,194
	β	*	*	*	*	*	*	4,984	4,958	4,951	4,985	4,932	4,873	4,856	4,764
0,5	α	*	*	*	*	*	*	*	3,889	2,561	1,740	1,109	0,722	0,458	0,300
	β	*	*	*	*	*	*	*	4,958	4,951	4,985	4,932	4,873	4,856	4,764
0,63	α	*	*	*	*	*	*	*	*	3,898	2,669	1,713	1,122	0,715	0,469
	β	*	*	*	*	*	*	*	*	4,951	4,985	4,932	4,873	4,856	4,764
0,8	α	*	*	*	*	*	*	*	*	*	4,114	2,665	1,758	1,128	0,743
	β	*	*	*	*	*	*	*	*	*	4,985	4,932	4,873	4,856	4,764
1,0	α	*	*	*	*	*	*	*	*	*	*	3,994	2,656	1,716	1,136
	β	*	*	*	*	*	*	*	*	*	*	4,932	4,873	4,856	4,764
1,25	α	*	*	*	*	*	*	*	*	*	*	*	3,981	2,595	1,729
	β	*	*	*	*	*	*	*	*	*	*	*	4,873	4,856	4,764
1,6	α	*	*	*	*	*	*	*	*	*	*	*	*	4,061	2,730
	β	*	*	*	*	*	*	*	*	*	*	*	*	4,856	4,764
2,0	α	*	*	*	*	*	*	*	*	*	*	*	*	*	4,089
	β	*	*	*	*	*	*	*	*	*	*	*	*	*	4,764

NOTE Cells containing asterisks indicate that no double sampling plan of the form $(n, 0, 2; m, 1, 2)$ for nonconformities exists with $\alpha \leq 5\%$ and $\beta \leq 5\%$ for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

Table 17 — Actual risks in percent for plans for nonconformities: $\alpha \leq 5\%$ and $\beta \leq 10\%$

PRQ (%)	Risk (%)	Consumer's risk quality (%)														
		1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	α	4,251	2,729	1,791	1,177	0,764	0,474	0,310	0,200	0,125	0,079	0,052	0,033	0,021	0,014	0,008
	β	9,994	9,998	9,994	9,985	9,953	10,00	9,942	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,125	α	*	4,088	2,705	1,790	1,168	0,728	0,477	0,308	0,193	0,123	0,080	0,051	0,032	0,021	0,013
	β	*	9,998	9,994	9,985	9,953	10,00	9,942	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,160	α	*	*	4,277	2,823	1,857	1,164	0,767	0,498	0,313	0,199	0,130	0,083	0,053	0,035	0,022
	β	*	*	9,994	9,985	9,953	10,00	9,942	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,2	α	*	*	*	4,225	2,803	1,771	1,173	0,764	0,482	0,308	0,202	0,128	0,082	0,054	0,034
	β	*	*	*	9,985	9,953	10,00	9,942	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,25	α	*	*	*	*	4,195	2,676	1,784	1,168	0,741	0,474	0,312	0,198	0,127	0,084	0,052
	β	*	*	*	*	9,953	10,00	9,942	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,315	α	*	*	*	*	*	4,068	2,735	1,803	1,150	0,740	0,489	0,311	0,199	0,132	0,082
	β	*	*	*	*	*	10,00	9,942	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,4	α	*	*	*	*	*	*	4,214	2,803	1,801	1,165	0,774	0,494	0,318	0,210	0,132
	β	*	*	*	*	*	*	9,942	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,5	α	*	*	*	*	*	*	*	4,195	2,721	1,773	1,183	0,759	0,490	0,325	0,204
	β	*	*	*	*	*	*	*	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,63	α	*	*	*	*	*	*	*	*	4,134	2,718	1,825	1,178	0,764	0,508	0,321
	β	*	*	*	*	*	*	*	*	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,8	α	*	*	*	*	*	*	*	*	*	4,188	2,836	1,845	1,203	0,804	0,510
	β	*	*	*	*	*	*	*	*	*	9,880	9,855	9,670	9,519	9,448	9,318
1,0	α	*	*	*	*	*	*	*	*	*	*	4,245	2,785	1,829	1,229	0,783
	β	*	*	*	*	*	*	*	*	*	*	9,855	9,670	9,519	9,448	9,318
1,25	α	*	*	*	*	*	*	*	*	*	*	*	4,169	2,762	1,867	1,196
	β	*	*	*	*	*	*	*	*	*	*	*	9,670	9,519	9,448	9,318
1,6	α	*	*	*	*	*	*	*	*	*	*	*	*	4,315	2,942	1,901
	β	*	*	*	*	*	*	*	*	*	*	*	*	9,519	9,448	9,318
2,0	α	*	*	*	*	*	*	*	*	*	*	*	*	*	4,399	2,869
	β	*	*	*	*	*	*	*	*	*	*	*	*	*	9,448	9,318
2,5	α	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4,293
	β	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9,318

NOTE Cells containing asterisks indicate that no double sampling plan of the form $(n, 0, 2; m, 1, 2)$ for nonconformities exists with $\alpha \leq 5\%$ and $\beta \leq 10\%$ for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

Table 18 — Actual risks in percent for plans for nonconformities: $\alpha \leq 10\%$ and $\beta \leq 10\%$

PRQ (%)	Risk %	Consumer's risk quality (%)																
		0,8	1,0	1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	α	9,230	6,313	4,251	2,729	1,791	1,177	0,764	0,474	0,310	0,200	0,125	0,079	0,052	0,033	0,021	0,014	0,008
	β	9,998	9,993	9,994	9,998	9,994	9,985	9,953	10,00	9,942	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,125	α	*	9,228	6,295	4,088	2,705	1,790	1,168	0,728	0,477	0,308	0,193	0,123	0,080	0,051	0,032	0,021	0,013
	β	*	9,993	9,994	9,998	9,994	9,985	9,953	10,00	9,942	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,160	α	*	*	9,574	6,314	4,227	2,823	1,857	1,164	0,767	0,498	0,313	0,199	0,130	0,083	0,053	0,035	0,022
	β	*	*	9,994	9,998	9,994	9,985	9,953	10,00	9,942	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,2	α	*	*	*	9,230	6,262	4,225	2,803	1,771	1,173	0,764	0,482	0,308	0,202	0,128	0,082	0,054	0,034
	β	*	*	*	9,998	9,994	9,985	9,953	10,00	9,942	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,25	α	*	*	*	*	9,158	6,259	4,195	2,676	1,784	1,168	0,741	0,474	0,312	0,198	0,127	0,084	0,052
	β	*	*	*	*	9,994	9,985	9,953	10,00	9,942	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,315	α	*	*	*	*	*	9,276	6,301	4,068	2,735	1,803	1,150	0,740	0,489	0,311	0,199	0,132	0,082
	β	*	*	*	*	*	9,985	9,953	10,00	9,942	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,4	α	*	*	*	*	*	*	9,458	6,201	4,214	2,803	1,801	1,165	0,774	0,494	0,318	0,210	0,132
	β	*	*	*	*	*	*	9,953	10,00	9,942	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,5	α	*	*	*	*	*	*	*	9,073	6,243	4,195	2,721	1,773	1,183	0,759	0,490	0,325	0,204
	β	*	*	*	*	*	*	*	10,00	9,942	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,63	α	*	*	*	*	*	*	*	*	9,255	6,301	4,134	2,718	1,825	1,178	0,764	0,508	0,321
	β	*	*	*	*	*	*	*	*	9,942	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
0,8	α	*	*	*	*	*	*	*	*	*	9,458	6,297	4,188	2,836	1,845	1,203	0,804	0,510
	β	*	*	*	*	*	*	*	*	*	9,953	9,927	9,880	9,855	9,670	9,519	9,448	9,318
1,0	α	*	*	*	*	*	*	*	*	*	*	9,207	6,207	4,245	2,785	1,829	1,229	0,783
	β	*	*	*	*	*	*	*	*	*	*	9,927	9,880	9,855	9,670	9,519	9,448	9,318
1,25	α	*	*	*	*	*	*	*	*	*	*	*	9,084	6,287	4,169	2,762	1,867	1,196
	β	*	*	*	*	*	*	*	*	*	*	*	9,880	9,855	9,670	9,519	9,448	9,318
1,6	α	*	*	*	*	*	*	*	*	*	*	*	*	9,565	6,436	4,315	2,942	1,901
	β	*	*	*	*	*	*	*	*	*	*	*	*	9,855	9,670	9,519	9,448	9,318
2,0	α	*	*	*	*	*	*	*	*	*	*	*	*	*	9,402	6,389	4,399	2,869
	β	*	*	*	*	*	*	*	*	*	*	*	*	*	9,670	9,519	9,448	9,318
2,5	α	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9,338	6,508	4,293
	β	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9,519	9,448	9,318
3,15	α	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9,630	6,446
	β	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9,448	9,318
4,0	α	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9,669
	β	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9,318

NOTE Cells containing asterisks indicate that no double sampling plan of the form $(n, 0, 2; m, 1, 2)$ for nonconformities exists with $\alpha \leq 10\%$ and $\beta \leq 10\%$ for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

Table 19 — Average outgoing qualities (AOQs) in percent for plans for nonconforming items:
 $\alpha \leq 5\%$ and $\beta \leq 5\%$

PRQ (%)	AOQs at:	Consumer's risk quality (%)													
		1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	PRQ	0,096	0,097	0,098	0,099	0,099	0,100	0,100	0,100	0,100	0,100	0,100	0,100	0,100	0,100
	AOQL	0,275	0,345	0,431	0,543	0,696	0,869	1,099	1,412	1,786	2,237	2,883	3,645	4,684	5,986
	CRQ	0,080	0,100	0,125	0,157	0,199	0,249	0,313	0,399	0,498	0,611	0,763	0,987	1,215	1,493
0,125	PRQ	*	0,120	0,122	0,123	0,124	0,124	0,124	0,125	0,125	0,125	0,125	0,125	0,125	0,125
	AOQL	*	0,345	0,431	0,543	0,696	0,869	1,099	1,412	1,786	2,237	2,883	3,645	4,684	5,986
	CRQ	*	0,100	0,125	0,157	0,199	0,249	0,312	0,399	0,498	0,611	0,763	0,987	1,215	1,493
0,160	PRQ	*	*	0,154	0,156	0,157	0,158	0,159	0,159	0,160	0,160	0,160	0,160	0,160	0,160
	AOQL	*	*	0,431	0,543	0,696	0,869	1,099	1,412	1,786	2,237	2,883	3,645	4,684	5,986
	CRQ	*	*	0,125	0,157	0,199	0,249	0,313	0,399	0,498	0,611	0,763	0,987	1,215	1,493
0,2	PRQ	*	*	*	0,192	0,195	0,197	0,198	0,199	0,199	0,199	0,200	0,200	0,200	0,200
	AOQL	*	*	*	0,543	0,696	0,869	1,099	1,412	1,786	2,237	2,883	3,645	4,684	5,986
	CRQ	*	*	*	0,157	0,199	0,249	0,313	0,399	0,498	0,611	0,763	0,987	1,215	1,493
0,25	PRQ	*	*	*	*	0,241	0,244	0,246	0,248	0,248	0,249	0,249	0,250	0,250	0,250
	AOQL	*	*	*	*	0,696	0,869	1,099	1,412	1,786	2,237	2,883	3,645	4,684	5,986
	CRQ	*	*	*	*	0,199	0,249	0,313	0,399	0,498	0,611	0,763	0,987	1,215	1,493
0,315	PRQ	*	*	*	*	*	0,303	0,307	0,310	0,312	0,313	0,314	0,314	0,315	0,315
	AOQL	*	*	*	*	*	0,869	1,099	1,412	1,786	2,237	2,883	3,645	4,684	5,986
	CRQ	*	*	*	*	*	0,249	0,313	0,399	0,498	0,611	0,763	0,987	1,215	1,493
0,4	PRQ	*	*	*	*	*	*	0,385	0,390	0,394	0,396	0,398	0,398	0,399	0,399
	AOQL	*	*	*	*	*	*	1,099	1,412	1,786	2,237	2,883	3,645	4,684	5,986
	CRQ	*	*	*	*	*	*	0,313	0,399	0,498	0,611	0,763	0,987	1,215	1,493
0,5	PRQ	*	*	*	*	*	*	*	0,482	0,488	0,492	0,495	0,497	0,498	0,499
	AOQL	*	*	*	*	*	*	*	1,412	1,786	2,237	2,883	3,645	4,684	5,986
	CRQ	*	*	*	*	*	*	*	0,399	0,498	0,611	0,763	0,987	1,215	1,493
0,63	PRQ	*	*	*	*	*	*	*	*	0,608	0,615	0,621	0,624	0,626	0,628
	AOQL	*	*	*	*	*	*	*	*	1,786	2,237	2,883	3,645	4,684	5,986
	CRQ	*	*	*	*	*	*	*	*	0,498	0,611	0,763	0,987	1,215	1,493
0,8	PRQ	*	*	*	*	*	*	*	*	*	0,771	0,782	0,788	0,793	0,796
	AOQL	*	*	*	*	*	*	*	*	*	2,237	2,883	3,645	4,684	5,986
	CRQ	*	*	*	*	*	*	*	*	*	0,611	0,763	0,987	1,215	1,493
1,0	PRQ	*	*	*	*	*	*	*	*	*	*	0,966	0,978	0,987	0,992
	AOQL	*	*	*	*	*	*	*	*	*	*	2,883	3,645	4,684	5,986
	CRQ	*	*	*	*	*	*	*	*	*	*	0,763	0,987	1,215	1,493
1,25	PRQ	*	*	*	*	*	*	*	*	*	*	1,188	1,208	1,224	1,234
	AOQL	*	*	*	*	*	*	*	*	*	*	2,908	3,645	4,684	5,986
	CRQ	*	*	*	*	*	*	*	*	*	*	0,754	0,987	1,215	1,493
1,6	PRQ	*	*	*	*	*	*	*	*	*	*	*	1,521	1,548	1,568
	AOQL	*	*	*	*	*	*	*	*	*	*	*	3,726	4,684	5,986
	CRQ	*	*	*	*	*	*	*	*	*	*	*	0,952	1,215	1,493
2,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	1,903	1,939
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	4,684	5,986
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	1,215	1,493
2,5	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	2,385
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	*	5,986
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	1,493

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 5\%$ and $\beta \leq 5\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

Table 20 — Average outgoing qualities (AOQs) in percent for plans for nonconforming items:
 $\alpha \leq 5\%$ and $\beta \leq 10\%$

PRQ (%)	AOQs at:	Consumer's risk quality (%)														
		1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	PRQ	0,096	0,097	0,098	0,099	0,099	0,100	0,100	0,100	0,100	0,100	0,100	0,100	0,100	0,100	0,100
	AOQL	0,264	0,338	0,422	0,527	0,666	0,848	1,067	1,346	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	0,125	0,160	0,200	0,250	0,315	0,399	0,499	0,623	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,125	PRQ	*	0,120	0,122	0,123	0,124	0,124	0,124	0,125	0,125	0,125	0,125	0,125	0,125	0,125	0,125
	AOQL	*	0,338	0,422	0,527	0,666	0,848	1,067	1,346	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	*	0,160	0,200	0,250	0,315	0,399	0,499	0,623	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,160	PRQ	*	*	0,153	0,156	0,157	0,158	0,159	0,159	0,160	0,160	0,160	0,160	0,160	0,160	0,160
	AOQL	*	*	0,422	0,527	0,666	0,848	1,067	1,346	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	*	*	0,200	0,250	0,315	0,399	0,499	0,623	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,2	PRQ	*	*	*	0,192	0,195	0,197	0,198	0,199	0,199	0,199	0,200	0,200	0,200	0,200	0,200
	AOQL	*	*	*	0,527	0,666	0,848	1,067	1,346	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	*	*	*	0,250	0,315	0,399	0,499	0,623	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,25	PRQ	*	*	*	*	0,240	0,243	0,246	0,247	0,248	0,249	0,249	0,250	0,250	0,250	0,250
	AOQL	*	*	*	*	0,666	0,848	1,067	1,346	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	*	*	*	*	0,315	0,399	0,499	0,623	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,315	PRQ	*	*	*	*	*	0,302	0,307	0,310	0,312	0,313	0,314	0,314	0,314	0,315	0,315
	AOQL	*	*	*	*	*	0,848	1,067	1,346	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	*	*	*	*	*	0,399	0,499	0,623	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,4	PRQ	*	*	*	*	*	*	0,384	0,389	0,393	0,396	0,397	0,398	0,399	0,399	0,400
	AOQL	*	*	*	*	*	*	1,067	1,346	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	*	*	*	*	*	*	0,499	0,623	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,5	PRQ	*	*	*	*	*	*	*	0,480	0,487	0,492	0,495	0,497	0,498	0,499	0,499
	AOQL	*	*	*	*	*	*	*	1,346	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	*	*	*	*	*	*	*	0,623	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,63	PRQ	*	*	*	*	*	*	*	*	0,606	0,614	0,620	0,624	0,626	0,627	0,628
	AOQL	*	*	*	*	*	*	*	*	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	*	*	*	*	*	*	*	*	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,8	PRQ	*	*	*	*	*	*	*	*	*	0,769	0,779	0,787	0,792	0,795	0,797
	AOQL	*	*	*	*	*	*	*	*	*	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	*	*	*	*	*	*	*	*	*	0,992	1,246	1,583	1,928	2,441	2,970
1,0	PRQ	*	*	*	*	*	*	*	*	*	*	0,961	0,976	0,985	0,990	0,994
	AOQL	*	*	*	*	*	*	*	*	*	*	2,716	3,477	4,396	5,551	7,131
	CRQ	*	*	*	*	*	*	*	*	*	*	1,246	1,583	1,928	2,441	2,970
1,25	PRQ	*	*	*	*	*	*	*	*	*	*	*	1,204	1,221	1,231	1,239
	AOQL	*	*	*	*	*	*	*	*	*	*	*	3,477	4,396	5,551	7,131
	CRQ	*	*	*	*	*	*	*	*	*	*	*	1,583	1,928	2,441	2,970
1,6	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	1,541	1,562	1,577
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	4,396	5,551	7,131
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	1,928	2,441	2,970
2,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	1,901	1,928	1,956
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	4,591	5,551	7,131
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	1,982	2,441	2,970
2,5	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2,417
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7,131
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2,970
3,15	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2,997
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7,191
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2,764

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 5\%$ and $\beta \leq 10\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

Table 21 — Average outgoing qualities (AOQs) in percent for plans for nonconforming items:
 $\alpha \leq 10\%$ and $\beta \leq 10\%$

PRQ (%)	AOQs at:	Consumer's risk quality (%)																
		0,8	1,0	1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	PRQ	0,091	0,094	0,096	0,097	0,098	0,099	0,099	0,100	0,100	0,100	0,100	0,100	0,100	0,100	0,100	0,100	0,100
	AOQL	0,168	0,211	0,264	0,338	0,422	0,527	0,666	0,848	1,067	1,346	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	0,080	0,100	0,125	0,160	0,200	0,250	0,315	0,399	0,499	0,623	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,125	PRQ	*	0,114	0,117	0,120	0,122	0,123	0,124	0,124	0,124	0,125	0,125	0,125	0,125	0,125	0,125	0,125	0,125
	AOQL	*	0,211	0,264	0,338	0,422	0,527	0,666	0,848	1,067	1,346	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	*	0,100	0,125	0,160	0,200	0,250	0,315	0,399	0,499	0,623	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,16	PRQ	*	*	0,145	0,150	0,153	0,156	0,157	0,158	0,159	0,159	0,160	0,160	0,160	0,160	0,160	0,160	0,160
	AOQL	*	*	0,264	0,338	0,422	0,527	0,666	0,848	1,067	1,346	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	*	*	0,125	0,160	0,200	0,250	0,315	0,399	0,499	0,623	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,2	PRQ	*	*	*	0,182	0,188	0,192	0,195	0,197	0,198	0,199	0,199	0,199	0,200	0,200	0,200	0,200	0,200
	AOQL	*	*	*	0,338	0,422	0,527	0,666	0,848	1,067	1,346	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	*	*	*	0,160	0,200	0,250	0,315	0,399	0,499	0,623	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,25	PRQ	*	*	*	*	0,227	0,234	0,240	0,243	0,246	0,247	0,248	0,249	0,249	0,250	0,250	0,250	0,250
	AOQL	*	*	*	*	0,422	0,527	0,666	0,848	1,067	1,346	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	*	*	*	*	0,200	0,250	0,315	0,399	0,499	0,623	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,315	PRQ	*	*	*	*	*	0,286	0,296	0,302	0,307	0,310	0,312	0,313	0,314	0,314	0,314	0,315	0,315
	AOQL	*	*	*	*	*	0,527	0,666	0,848	1,067	1,346	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	*	*	*	*	*	0,250	0,315	0,399	0,499	0,623	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,4	PRQ	*	*	*	*	*	*	0,363	0,376	0,384	0,389	0,393	0,396	0,397	0,398	0,399	0,399	0,400
	AOQL	*	*	*	*	*	*	0,666	0,848	1,067	1,346	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	*	*	*	*	*	*	0,315	0,399	0,499	0,623	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,5	PRQ	*	*	*	*	*	*	*	0,455	0,470	0,480	0,487	0,492	0,495	0,497	0,498	0,499	0,499
	AOQL	*	*	*	*	*	*	*	0,848	1,067	1,346	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	*	*	*	*	*	*	*	0,399	0,499	0,623	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,63	PRQ	*	*	*	*	*	*	*	*	0,574	0,592	0,606	0,614	0,620	0,624	0,626	0,627	0,628
	AOQL	*	*	*	*	*	*	*	*	1,067	1,346	1,718	2,166	2,716	3,477	4,396	5,551	7,131
	CRQ	*	*	*	*	*	*	*	*	0,499	0,623	0,787	0,992	1,246	1,583	1,928	2,441	2,970
0,8	PRQ	*	*	*	*	*	*	*	*	*	*	0,728	0,753	0,769	0,779	0,787	0,792	0,795
	AOQL	*	*	*	*	*	*	*	*	*	*	1,346	1,718	2,166	2,716	3,477	4,396	5,551
	CRQ	*	*	*	*	*	*	*	*	*	*	0,623	0,787	0,992	1,246	1,583	1,928	2,441
1,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	0,913	0,942	0,961	0,976	0,985	0,990
	AOQL	*	*	*	*	*	*	*	*	*	*	*	1,718	2,166	2,716	3,477	4,396	5,551
	CRQ	*	*	*	*	*	*	*	*	*	*	*	0,787	0,992	1,246	1,583	1,928	2,441
1,25	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	1,144	1,178	1,204	1,221	1,231
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	2,166	2,716	3,477	4,396	5,551
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	0,992	1,246	1,583	1,928	2,441
1,6	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	1,460	1,509	1,541	1,562
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	*	2,716	3,477	4,396	5,551
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	1,246	1,583	1,928	2,441
2,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1,832	1,890	1,928
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3,477	4,396	5,551
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1,583	1,928	2,441
2,5	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2,297	2,366
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4,396	5,551
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1,928	2,441
3,15	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2,897
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5,551
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2,441
4,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3,692
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7,131
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2,970

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 10\%$ and $\beta \leq 10\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

Table 22 — Average outgoing qualities (AOQs) in percent for plans for nonconformities:
 $\alpha \leq 5\%$ and $\beta \leq 5\%$

PRQ (%)	AOQs at:	Consumer's risk quality (%)													
		1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	PRQ	0,096	0,097	0,098	0,099	0,099	0,100	0,100	0,100	0,100	0,100	0,100	0,100	0,100	0,100
	AOQL	0,274	0,342	0,428	0,540	0,682	0,861	1,086	1,373	1,725	2,134	2,715	3,395	4,285	5,343
	CRQ	0,080	0,100	0,125	0,157	0,200	0,249	0,314	0,397	0,495	0,623	0,789	0,975	1,214	1,501
0,125	PRQ	*	0,120	0,122	0,123	0,124	0,124	0,124	0,125	0,125	0,125	0,125	0,125	0,125	0,125
	AOQL	*	0,342	0,428	0,540	0,682	0,861	1,086	1,373	1,725	2,134	2,715	3,395	4,285	5,343
	CRQ	*	0,100	0,125	0,157	0,200	0,249	0,314	0,397	0,495	0,623	0,789	0,975	1,214	1,501
0,160	PRQ	*	*	0,153	0,156	0,157	0,158	0,159	0,159	0,160	0,160	0,160	0,160	0,160	0,160
	AOQL	*	*	0,428	0,540	0,682	0,861	1,086	1,373	1,725	2,134	2,715	3,395	4,285	5,343
	CRQ	*	*	0,125	0,157	0,200	0,249	0,314	0,397	0,495	0,623	0,789	0,975	1,214	1,501
0,2	PRQ	*	*	*	0,192	0,195	0,197	0,198	0,199	0,199	0,199	0,200	0,200	0,200	0,200
	AOQL	*	*	*	0,540	0,682	0,861	1,086	1,373	1,725	2,134	2,715	3,395	4,285	5,343
	CRQ	*	*	*	0,157	0,200	0,249	0,314	0,397	0,495	0,623	0,789	0,975	1,214	1,501
0,25	PRQ	*	*	*	*	0,240	0,244	0,246	0,247	0,248	0,249	0,249	0,250	0,250	0,250
	AOQL	*	*	*	*	0,682	0,861	1,086	1,373	1,725	2,134	2,715	3,395	4,285	5,343
	CRQ	*	*	*	*	0,200	0,249	0,314	0,397	0,495	0,623	0,789	0,975	1,214	1,501
0,315	PRQ	*	*	*	*	*	0,303	0,307	0,310	0,312	0,313	0,314	0,314	0,314	0,315
	AOQL	*	*	*	*	*	0,861	1,086	1,373	1,725	2,134	2,715	3,395	4,285	5,343
	CRQ	*	*	*	*	*	0,249	0,314	0,397	0,495	0,623	0,789	0,975	1,214	1,501
0,4	PRQ	*	*	*	*	*	*	0,384	0,390	0,393	0,395	0,397	0,398	0,399	0,399
	AOQL	*	*	*	*	*	*	1,086	1,373	1,725	2,134	2,715	3,395	4,285	5,343
	CRQ	*	*	*	*	*	*	0,314	0,397	0,495	0,623	0,789	0,975	1,214	1,501
0,5	PRQ	*	*	*	*	*	*	*	0,481	0,487	0,491	0,494	0,496	0,498	0,499
	AOQL	*	*	*	*	*	*	*	1,373	1,725	2,134	2,715	3,395	4,285	5,343
	CRQ	*	*	*	*	*	*	*	0,397	0,495	0,623	0,789	0,975	1,214	1,501
0,63	PRQ	*	*	*	*	*	*	*	*	0,605	0,613	0,619	0,623	0,625	0,627
	AOQL	*	*	*	*	*	*	*	*	1,725	2,134	2,715	3,395	4,285	5,343
	CRQ	*	*	*	*	*	*	*	*	0,495	0,623	0,789	0,975	1,214	1,501
0,8	PRQ	*	*	*	*	*	*	*	*	*	0,767	0,779	0,786	0,791	0,794
	AOQL	*	*	*	*	*	*	*	*	*	2,134	2,715	3,395	4,285	5,343
	CRQ	*	*	*	*	*	*	*	*	*	0,623	0,789	0,975	1,214	1,501
1,0	PRQ	*	*	*	*	*	*	*	*	*	*	0,960	0,973	0,983	0,989
	AOQL	*	*	*	*	*	*	*	*	*	*	2,715	3,395	4,285	5,343
	CRQ	*	*	*	*	*	*	*	*	*	*	0,789	0,975	1,214	1,501
1,25	PRQ	*	*	*	*	*	*	*	*	*	*	*	1,200	1,218	1,228
	AOQL	*	*	*	*	*	*	*	*	*	*	*	3,395	4,285	5,343
	CRQ	*	*	*	*	*	*	*	*	*	*	*	0,975	1,214	1,501
1,6	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	1,535	1,556
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	4,285	5,343
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	1,214	1,501
2,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	1,918
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	*	5,343
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	1,501

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 5\%$ and $\beta \leq 5\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

Table 23 — Average outgoing qualities (AOQs) in percent for plans for nonconformities:
 $\alpha \leq 5\%$ and $\beta \leq 10\%$

PRQ (%)	AOQs at:	Consumer's risk quality (%)														
		1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	PRQ	0,096	0,097	0,098	0,099	0,099	0,100	0,100	0,100	0,100	0,100	0,100	0,100	0,100	0,100	0,100
	AOQL	0,262	0,335	0,421	0,526	0,661	0,845	1,052	1,321	1,678	2,108	2,621	3,317	4,152	5,147	6,502
	CRQ	0,125	0,160	0,200	0,250	0,314	0,400	0,497	0,627	0,794	0,988	1,232	1,547	1,904	2,362	2,935
0,125	PRQ	*	0,120	0,122	0,123	0,124	0,124	0,124	0,125	0,125	0,125	0,125	0,125	0,125	0,125	0,125
	AOQL	*	0,335	0,421	0,526	0,661	0,845	1,052	1,321	1,678	2,108	2,621	3,317	4,152	5,147	6,502
	CRQ	*	0,160	0,200	0,250	0,314	0,400	0,497	0,627	0,794	0,988	1,232	1,547	1,904	2,362	2,935
0,160	PRQ	*	*	0,153	0,155	0,157	0,158	0,159	0,159	0,159	0,160	0,160	0,160	0,160	0,160	0,160
	AOQL	*	*	0,421	0,526	0,661	0,845	1,052	1,321	1,678	2,108	2,621	3,317	4,152	5,147	6,502
	CRQ	*	*	0,200	0,250	0,314	0,400	0,497	0,627	0,794	0,988	1,232	1,547	1,904	2,362	2,935
0,2	PRQ	*	*	*	0,192	0,194	0,196	0,198	0,198	0,199	0,199	0,200	0,200	0,200	0,200	0,200
	AOQL	*	*	*	0,526	0,661	0,845	1,052	1,321	1,678	2,108	2,621	3,317	4,152	5,147	6,502
	CRQ	*	*	*	0,250	0,314	0,400	0,497	0,627	0,794	0,988	1,232	1,547	1,904	2,362	2,935
0,25	PRQ	*	*	*	*	0,240	0,243	0,246	0,247	0,248	0,249	0,249	0,250	0,250	0,250	0,250
	AOQL	*	*	*	*	0,661	0,845	1,052	1,321	1,678	2,108	2,621	3,317	4,152	5,147	6,502
	CRQ	*	*	*	*	0,314	0,400	0,497	0,627	0,794	0,988	1,232	1,547	1,904	2,362	2,935
0,315	PRQ	*	*	*	*	*	0,302	0,306	0,309	0,311	0,313	0,313	0,314	0,314	0,315	0,315
	AOQL	*	*	*	*	*	0,845	1,052	1,321	1,678	2,108	2,621	3,317	4,152	5,147	6,502
	CRQ	*	*	*	*	*	0,400	0,497	0,627	0,794	0,988	1,232	1,547	1,904	2,362	2,935
0,4	PRQ	*	*	*	*	*	*	0,383	0,389	0,393	0,395	0,397	0,398	0,399	0,399	0,399
	AOQL	*	*	*	*	*	*	1,052	1,321	1,678	2,108	2,621	3,317	4,152	5,147	6,502
	CRQ	*	*	*	*	*	*	0,497	0,627	0,794	0,988	1,232	1,547	1,904	2,362	2,935
0,5	PRQ	*	*	*	*	*	*	*	0,479	0,486	0,491	0,494	0,496	0,498	0,498	0,499
	AOQL	*	*	*	*	*	*	*	1,321	1,678	2,108	2,621	3,317	4,152	5,147	6,502
	CRQ	*	*	*	*	*	*	*	0,627	0,794	0,988	1,232	1,547	1,904	2,362	2,935
0,63	PRQ	*	*	*	*	*	*	*	*	0,604	0,613	0,619	0,623	0,625	0,627	0,628
	AOQL	*	*	*	*	*	*	*	*	1,678	2,108	2,621	3,317	4,152	5,147	6,502
	CRQ	*	*	*	*	*	*	*	*	0,794	0,988	1,232	1,547	1,904	2,362	2,935
0,8	PRQ	*	*	*	*	*	*	*	*	*	0,766	0,777	0,785	0,790	0,794	0,796
	AOQL	*	*	*	*	*	*	*	*	*	2,108	2,621	3,317	4,152	5,147	6,502
	CRQ	*	*	*	*	*	*	*	*	*	0,988	1,232	1,547	1,904	2,362	2,935
1,0	PRQ	*	*	*	*	*	*	*	*	*	*	0,958	0,972	0,982	0,988	0,992
	AOQL	*	*	*	*	*	*	*	*	*	*	2,621	3,317	4,152	5,147	6,502
	CRQ	*	*	*	*	*	*	*	*	*	*	1,232	1,547	1,904	2,362	2,935
1,25	PRQ	*	*	*	*	*	*	*	*	*	*	*	1,198	1,215	1,227	1,235
	AOQL	*	*	*	*	*	*	*	*	*	*	*	3,317	4,152	5,147	6,502
	CRQ	*	*	*	*	*	*	*	*	*	*	*	1,547	1,904	2,362	2,935
1,6	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	1,531	1,553	1,570
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	4,152	5,147	6,502
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	1,904	2,362	2,935
2,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	1,912	1,943
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	*	5,147	6,502
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	2,362	2,935
2,5	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2,393
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6,502
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2,935

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 5\%$ and $\beta \leq 10\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

Table 24 — Average outgoing qualities (AOQs) in percent for plans for nonconformities:
 $\alpha \leq 10\%$ and $\beta \leq 10\%$

PRQ (%)	AOQs at:	Consumer's risk quality (%)																	
		0,8	1,0	1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5	
0,1	PRQ	0,091	0,094	0,096	0,097	0,098	0,099	0,099	0,100	0,100	0,100	0,100	0,100	0,100	0,100	0,100	0,100	0,100	
	AOQL	0,168	0,210	0,262	0,335	0,421	0,526	0,661	0,845	1,052	1,321	1,678	2,108	2,621	3,317	4,152	5,147	6,502	
	CRQ	0,080	0,100	0,125	0,160	0,200	0,250	0,314	0,400	0,497	0,627	0,794	0,988	1,232	1,547	1,904	2,362	2,935	
0,125	PRQ	*	0,113	0,117	0,120	0,122	0,123	0,124	0,124	0,124	0,125	0,125	0,125	0,125	0,125	0,125	0,125	0,125	
	AOQL	*	0,210	0,262	0,335	0,421	0,526	0,661	0,845	1,052	1,321	1,678	2,108	2,621	3,317	4,152	5,147	6,502	
	CRQ	*	0,100	0,125	0,160	0,200	0,250	0,314	0,400	0,497	0,627	0,794	0,988	1,232	1,547	1,904	2,362	2,935	
0,160	PRQ	*	*	0,145	0,150	0,153	0,155	0,157	0,158	0,159	0,159	0,159	0,160	0,160	0,160	0,160	0,160	0,160	
	AOQL	*	*	0,262	0,335	0,421	0,526	0,661	0,845	1,052	1,321	1,678	2,108	2,621	3,317	4,152	5,147	6,502	
	CRQ	*	*	0,125	0,160	0,200	0,250	0,314	0,400	0,497	0,627	0,794	0,988	1,232	1,547	1,904	2,362	2,935	
0,2	PRQ	*	*	*	0,182	0,187	0,192	0,194	0,196	0,198	0,198	0,199	0,199	0,200	0,200	0,200	0,200	0,200	
	AOQL	*	*	*	0,335	0,421	0,526	0,661	0,845	1,052	1,321	1,678	2,108	2,621	3,317	4,152	5,147	6,502	
	CRQ	*	*	*	0,160	0,200	0,250	0,314	0,400	0,497	0,627	0,794	0,988	1,232	1,547	1,904	2,362	2,935	
0,25	PRQ	*	*	*	*	*	0,227	0,234	0,240	0,243	0,246	0,247	0,248	0,249	0,249	0,250	0,250	0,250	
	AOQL	*	*	*	*	*	0,421	0,526	0,661	0,845	1,052	1,321	1,678	2,108	2,621	3,317	4,152	5,147	
	CRQ	*	*	*	*	*	0,200	0,250	0,314	0,400	0,497	0,627	0,794	0,988	1,232	1,547	1,904	2,362	
0,315	PRQ	*	*	*	*	*	*	0,286	0,295	0,302	0,306	0,309	0,311	0,313	0,313	0,314	0,314	0,315	
	AOQL	*	*	*	*	*	*	0,526	0,661	0,845	1,052	1,321	1,678	2,108	2,621	3,317	4,152	5,147	
	CRQ	*	*	*	*	*	*	0,250	0,314	0,400	0,497	0,627	0,794	0,988	1,232	1,547	1,904	2,362	
0,4	PRQ	*	*	*	*	*	*	0,362	0,375	0,383	0,389	0,393	0,395	0,397	0,398	0,399	0,399	0,399	
	AOQL	*	*	*	*	*	*	0,661	0,845	1,052	1,321	1,678	2,108	2,621	3,317	4,152	5,147	6,502	
	CRQ	*	*	*	*	*	*	0,314	0,400	0,497	0,627	0,794	0,988	1,232	1,547	1,904	2,362	2,935	
0,5	PRQ	*	*	*	*	*	*	*	0,455	0,469	0,479	0,486	0,491	0,494	0,496	0,498	0,498	0,499	
	AOQL	*	*	*	*	*	*	*	0,845	1,052	1,321	1,678	2,108	2,621	3,317	4,152	5,147	6,502	
	CRQ	*	*	*	*	*	*	*	0,400	0,497	0,627	0,794	0,988	1,232	1,547	1,904	2,362	2,935	
0,63	PRQ	*	*	*	*	*	*	*	*	0,572	0,590	0,604	0,613	0,619	0,623	0,625	0,627	0,628	
	AOQL	*	*	*	*	*	*	*	*	1,052	1,321	1,678	2,108	2,621	3,317	4,152	5,147	6,502	
	CRQ	*	*	*	*	*	*	*	*	0,497	0,627	0,794	0,988	1,232	1,547	1,904	2,362	2,935	
0,8	PRQ	*	*	*	*	*	*	*	*	*	*	0,724	0,750	0,766	0,777	0,785	0,790	0,796	
	AOQL	*	*	*	*	*	*	*	*	*	*	1,321	1,678	2,108	2,621	3,317	4,152	5,147	
	CRQ	*	*	*	*	*	*	*	*	*	*	0,627	0,794	0,988	1,232	1,547	1,904	2,362	
1,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	0,908	0,938	0,958	0,972	0,982	0,992	
	AOQL	*	*	*	*	*	*	*	*	*	*	*	1,678	2,108	2,621	3,317	4,152	5,147	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	0,794	0,988	1,232	1,547	1,904	2,362	
1,25	PRQ	*	*	*	*	*	*	*	*	*	*	*	1,136	1,171	1,198	1,215	1,227	1,235	
	AOQL	*	*	*	*	*	*	*	*	*	*	*	2,108	2,621	3,317	4,152	5,147	6,502	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	0,988	1,232	1,547	1,904	2,362	2,935	
1,6	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	1,447	1,497	1,531	1,553	1,570	
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	2,621	3,317	4,152	5,147	6,502	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	1,232	1,547	1,904	2,362	2,935	
2,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1,812	1,872	1,912	
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3,317	4,152	5,147	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1,547	1,904	2,362	
2,5	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2,267	2,337	
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	4,152	5,147	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	1,904	2,362	
3,15	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2,847	
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2,947	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6,502	
4,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	3,613	
	AOQL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6,502	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	2,935	

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 10\%$ and $\beta \leq 10\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

**Table 25 — Average sample sizes (ASSIs) for plans for nonconforming items:
curtailed inspection with $\alpha \leq 5\%$ and $\beta \leq 5\%$**

PRQ (%)	ASSIs at:	Consumer's risk quality (%)													
		1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	PRQ	223	175	137	106	83,4	65,9	51,8	40,1	31,7	24,5	18,3	15,1	11,1	9,1
	max.	233	186	149	118	92,4	73,7	58,2	45,5	36,0	28,6	21,9	17,3	13,5	10,5
	CRQ	119	95,5	76,3	60,6	47,8	38,2	30,3	23,9	19,1	15,3	11,9	9,6	7,6	6,1
0,125	PRQ	*	178	139	108	84,3	66,5	52,2	40,4	31,8	24,6	18,4	15,2	11,1	9,1
	max.	*	186	149	118	92,4	73,7	58,2	45,5	36,0	28,6	21,9	17,3	13,5	10,5
	CRQ	*	95,5	76,3	60,6	47,8	38,2	30,3	23,9	19,1	15,3	11,9	9,6	7,6	6,1
0,160	PRQ	*	*	141	110	85,5	67,3	52,7	40,7	32,1	24,8	18,5	15,2	11,2	9,1
	max.	*	*	149	118	92,4	73,7	58,2	45,5	36,0	28,6	21,9	17,3	13,5	10,5
	CRQ	*	*	76,3	60,6	47,8	38,2	30,3	23,9	19,1	15,3	11,9	9,6	7,6	6,1
0,2	PRQ	*	*	*	112	86,7	68,2	53,2	41,1	32,3	24,9	18,6	15,3	11,2	9,1
	max.	*	*	*	118	92,4	73,7	58,2	45,5	36,0	28,6	21,9	17,3	13,5	10,5
	CRQ	*	*	*	60,6	47,8	38,2	30,3	23,9	19,1	15,3	11,9	9,6	7,6	6,1
0,25	PRQ	*	*	*	*	88,0	69,1	53,9	41,5	32,6	25,1	18,8	15,4	11,3	9,1
	max.	*	*	*	*	92,4	73,7	58,2	45,5	36,0	28,6	21,9	17,3	13,5	10,5
	CRQ	*	*	*	*	47,8	38,2	30,3	23,9	19,1	15,3	11,9	9,6	7,6	6,1
0,315	PRQ	*	*	*	*	*	70,2	54,7	42,0	32,9	25,4	18,9	15,4	11,4	9,2
	max.	*	*	*	*	*	73,7	58,2	45,5	36,0	28,6	21,9	17,3	13,5	10,5
	CRQ	*	*	*	*	*	38,2	30,3	23,9	19,1	15,3	11,9	9,6	7,6	6,1
0,4	PRQ	*	*	*	*	*	*	55,5	42,7	33,4	25,7	19,2	15,6	11,5	9,2
	max.	*	*	*	*	*	*	58,2	45,5	36,0	28,6	21,9	17,3	13,5	10,5
	CRQ	*	*	*	*	*	*	30,3	23,9	19,1	15,3	11,9	9,6	7,6	6,1
0,5	PRQ	*	*	*	*	*	*	*	43,3	33,8	26,1	19,4	15,7	11,6	9,3
	max.	*	*	*	*	*	*	*	45,5	36,0	28,6	21,9	17,3	13,5	10,5
	CRQ	*	*	*	*	*	*	*	23,9	19,1	15,3	11,9	9,6	7,6	6,1
0,63	PRQ	*	*	*	*	*	*	*	*	34,3	26,5	19,7	15,8	11,7	9,3
	max.	*	*	*	*	*	*	*	*	36,0	28,6	21,9	17,3	13,5	10,5
	CRQ	*	*	*	*	*	*	*	*	19,1	15,3	11,9	9,6	7,6	6,1
0,8	PRQ	*	*	*	*	*	*	*	*	*	27,0	20,1	16,0	11,8	9,4
	max.	*	*	*	*	*	*	*	*	*	28,6	21,9	17,3	13,5	10,5
	CRQ	*	*	*	*	*	*	*	*	*	15,3	11,9	9,6	7,6	6,1
1,0	PRQ	*	*	*	*	*	*	*	*	*	*	20,4	16,2	12,0	9,5
	max.	*	*	*	*	*	*	*	*	*	*	21,9	17,3	13,5	10,5
	CRQ	*	*	*	*	*	*	*	*	*	*	11,9	9,6	7,6	6,1
1,25	PRQ	*	*	*	*	*	*	*	*	*	*	22,6	16,4	12,2	9,6
	max.	*	*	*	*	*	*	*	*	*	*	22,9	17,3	13,5	10,5
	CRQ	*	*	*	*	*	*	*	*	*	*	12,0	9,6	7,6	6,1
1,6	PRQ	*	*	*	*	*	*	*	*	*	*	*	18,1	12,5	9,7
	max.	*	*	*	*	*	*	*	*	*	*	*	18,3	13,5	10,5
	CRQ	*	*	*	*	*	*	*	*	*	*	*	9,6	7,6	6,1
2,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	13,2	9,8
	max.	*	*	*	*	*	*	*	*	*	*	*	*	13,6	10,5
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	7,7	6,1
2,5	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	10,0
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	10,5
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	6,1

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 5\%$ and $\beta \leq 5\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ or both.

**Table 26 — Average sample sizes (ASSIs) for plans for nonconforming items:
curtailed inspection with $\alpha \leq 5\%$ and $\beta \leq 10\%$**

PRQ (%)	ASSIs at:	Consumer's risk quality (%)														
		1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	PRQ	226	172	136	106	82,6	64,4	51,1	39,5	30,9	24,5	19,3	14,2	11,1	9,1	7,0
	max.	239	187	149	119	94,2	74,0	58,9	46,6	36,4	29,0	23,0	17,7	13,9	10,9	8,5
	CRQ	145	113	90,9	72,7	57,6	45,4	36,4	28,8	22,7	18,2	14,6	11,3	9,1	7,3	5,8
0,125	PRQ	*	175	138	108	83,8	65,2	51,6	39,8	31,1	24,7	19,4	14,3	11,2	9,1	7,1
	max.	*	187	149	119	94,2	74,0	58,9	46,6	36,4	29,0	23,0	17,7	13,9	10,9	8,5
	CRQ	*	113	90,9	72,7	57,6	45,4	36,4	28,8	22,7	18,2	14,6	11,3	9,1	7,3	5,8
0,160	PRQ	*	*	141	110	85,3	66,1	52,2	40,3	31,3	24,8	19,5	14,4	11,2	9,1	7,1
	max.	*	*	149	119	94,2	74,0	58,9	46,6	36,4	29,0	23,0	17,7	13,9	10,9	8,5
	CRQ	*	*	90,9	72,7	57,6	45,4	36,4	28,8	22,7	18,2	14,6	11,3	9,1	7,3	5,8
0,2	PRQ	*	*	*	112	86,9	67,2	52,9	40,7	31,6	25,0	19,6	14,5	11,3	9,1	7,1
	max.	*	*	*	119	94,2	74,0	58,9	46,6	36,4	29,0	23,0	17,7	13,9	10,9	8,5
	CRQ	*	*	*	72,7	57,6	45,4	36,4	28,8	22,7	18,2	14,6	11,3	9,1	7,3	5,8
0,25	PRQ	*	*	*	*	88,5	68,3	53,7	41,3	32,0	25,3	19,8	14,6	11,3	9,2	7,1
	max.	*	*	*	*	94,2	74,0	58,9	46,6	36,4	29,0	23,0	17,7	13,9	10,9	8,5
	CRQ	*	*	*	*	57,6	45,4	36,4	28,8	22,7	18,2	14,6	11,3	9,1	7,3	5,8
0,315	PRQ	*	*	*	*	*	69,6	54,6	42,0	32,4	25,5	20,0	14,7	11,4	9,2	7,1
	max.	*	*	*	*	*	74,0	58,9	46,6	36,4	29,0	23,0	17,7	13,9	10,9	8,5
	CRQ	*	*	*	*	*	45,4	36,4	28,8	22,7	18,2	14,6	11,3	9,1	7,3	5,8
0,4	PRQ	*	*	*	*	*	*	55,7	42,8	33,0	25,9	20,2	14,9	11,5	9,3	7,2
	max.	*	*	*	*	*	*	58,9	46,6	36,4	29,0	23,0	17,7	13,9	10,9	8,5
	CRQ	*	*	*	*	*	*	36,4	28,8	22,7	18,2	14,6	11,3	9,1	7,3	5,8
0,5	PRQ	*	*	*	*	*	*	*	43,7	33,5	26,3	20,5	15,1	11,7	9,3	7,2
	max.	*	*	*	*	*	*	*	46,6	36,4	29,0	23,0	17,7	13,9	10,9	8,5
	CRQ	*	*	*	*	*	*	*	28,8	22,7	18,2	14,6	11,3	9,1	7,3	5,8
0,63	PRQ	*	*	*	*	*	*	*	*	34,2	26,7	20,8	15,3	11,8	9,4	7,2
	max.	*	*	*	*	*	*	*	*	36,4	29,0	23,0	17,7	13,9	10,9	8,5
	CRQ	*	*	*	*	*	*	*	*	22,7	18,2	14,6	11,3	9,1	7,3	5,8
0,8	PRQ	*	*	*	*	*	*	*	*	*	27,2	21,2	15,6	12,0	9,5	7,3
	max.	*	*	*	*	*	*	*	*	*	29,0	23,0	17,7	13,9	10,9	8,5
	CRQ	*	*	*	*	*	*	*	*	*	18,2	14,6	11,3	9,1	7,3	5,8
1,0	PRQ	*	*	*	*	*	*	*	*	*	*	21,5	15,9	12,2	9,6	7,4
	max.	*	*	*	*	*	*	*	*	*	*	23,0	17,7	13,9	10,9	8,5
	CRQ	*	*	*	*	*	*	*	*	*	*	14,6	11,3	9,1	7,3	5,8
1,25	PRQ	*	*	*	*	*	*	*	*	*	*	*	16,2	12,4	9,8	7,5
	max.	*	*	*	*	*	*	*	*	*	*	*	17,7	13,9	10,9	8,5
	CRQ	*	*	*	*	*	*	*	*	*	*	*	11,3	9,1	7,3	5,8
1,6	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	12,7	9,9	7,6
	max.	*	*	*	*	*	*	*	*	*	*	*	*	13,9	10,9	8,5
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	9,1	7,3	5,8
2,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	17,0	10,1	7,7
	max.	*	*	*	*	*	*	*	*	*	*	*	*	17,0	10,9	8,5
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	9,4	7,3	5,8
2,5	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7,8
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8,5
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5,8
3,15	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8,7
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9,0
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5,9

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 5\%$ and $\beta \leq 10\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

**Table 27 — Average sample sizes (ASSIs) for plans for nonconforming items:
curtailed inspection with $\alpha \leq 10\%$ and $\beta \leq 10\%$**

PRQ (%)	ASSIs at:	Consumer's risk quality (%)																	
		0,8	1,0	1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5	
0,1	PRQ	367	288	226	172	136	106	82,6	64,4	51,1	39,5	30,9	24,5	19,3	14,2	11,1	9,1	7,0	
	max.	374	299	239	187	149	119	94,2	74,0	58,9	46,6	36,4	29,0	23,0	17,7	13,9	10,9	8,5	
	CRQ	227	182	145	113	90,9	72,7	57,6	45,4	36,4	28,8	22,7	18,2	14,6	11,3	9,1	7,3	5,8	
0,125	PRQ	*	293	230	175	138	108	83,8	65,2	51,6	39,8	31,1	24,7	19,4	14,3	11,2	9,1	7,1	
	max.	*	299	239	187	149	119	94,2	74,0	58,9	46,6	36,4	29,0	23,0	17,7	13,9	10,9	8,5	
	CRQ	*	182	145	113	90,9	72,7	57,6	45,4	36,4	28,8	22,7	18,2	14,6	11,3	9,1	7,3	5,8	
0,16	PRQ	*	*	236	179	141	110	85,3	66,1	52,2	40,3	31,3	24,8	19,5	14,4	11,2	9,1	7,1	
	max.	*	*	240	187	149	119	94,2	74,0	58,9	46,6	36,4	29,0	23,0	17,7	13,9	10,9	8,5	
	CRQ	*	*	146	113	90,9	72,7	57,6	45,4	36,4	28,8	22,7	18,2	14,6	11,3	9,1	7,3	5,8	
0,2	PRQ	*	*	*	183	144	112	86,9	67,2	52,9	40,7	31,6	25,0	19,6	14,5	11,3	9,1	7,1	
	max.	*	*	*	187	149	119	94,2	74,0	58,9	46,6	36,4	29,0	23,0	17,7	13,9	10,9	8,5	
	CRQ	*	*	*	114	90,9	72,7	57,6	45,4	36,4	28,8	22,7	18,2	14,6	11,3	9,1	7,3	5,8	
0,25	PRQ	*	*	*	*	146	114	88,5	68,3	53,7	41,3	32,0	25,3	19,8	14,6	11,3	9,2	7,1	
	max.	*	*	*	*	149	119	94,2	74,0	58,9	46,6	36,4	29,0	23,0	17,7	13,9	10,9	8,5	
	CRQ	*	*	*	*	90,9	72,7	57,6	45,4	36,4	28,8	22,7	18,2	14,6	11,3	9,1	7,3	5,8	
0,315	PRQ	*	*	*	*	*	117	90,3	69,6	54,6	42,0	32,4	25,5	20,0	14,7	11,4	9,2	7,1	
	max.	*	*	*	*	*	119	94,2	74,0	58,9	46,6	36,4	29,0	23,0	17,7	13,9	10,9	8,5	
	CRQ	*	*	*	*	*	72,7	57,6	45,4	36,4	28,8	22,7	18,2	14,6	11,3	9,1	7,3	5,8	
0,4	PRQ	*	*	*	*	*	*	92,6	71,0	55,7	42,8	33,0	25,9	20,2	14,9	11,5	9,3	7,2	
	max.	*	*	*	*	*	*	94,4	74,0	58,9	46,6	36,4	29,0	23,0	17,7	13,9	10,9	8,5	
	CRQ	*	*	*	*	*	*	57,8	45,4	36,4	28,8	22,7	18,2	14,6	11,3	9,1	7,3	5,8	
0,5	PRQ	*	*	*	*	*	*	*	72,3	56,7	43,7	33,5	26,3	20,5	15,1	11,7	9,3	7,2	
	max.	*	*	*	*	*	*	*	74,0	58,9	46,6	36,4	29,0	23,0	17,7	13,9	10,9	8,5	
	CRQ	*	*	*	*	*	*	*	45,4	36,4	28,8	22,7	18,2	14,6	11,3	9,1	7,3	5,8	
0,63	PRQ	*	*	*	*	*	*	*	*	57,7	44,6	34,2	26,7	20,8	15,3	11,8	9,4	7,2	
	max.	*	*	*	*	*	*	*	*	58,9	46,6	36,4	29,0	23,0	17,7	13,9	10,9	8,5	
	CRQ	*	*	*	*	*	*	*	*	36,4	28,8	22,7	18,2	14,6	11,3	9,1	7,3	5,8	
0,8	PRQ	*	*	*	*	*	*	*	*	*	*	45,7	34,9	27,2	21,2	15,6	12,0	9,5	
	max.	*	*	*	*	*	*	*	*	*	*	46,7	36,4	29,0	23,0	17,7	13,9	10,9	
	CRQ	*	*	*	*	*	*	*	*	*	*	28,9	22,7	18,2	14,6	11,3	9,1	7,3	
1,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	35,5	27,7	21,5	15,9	12,2	9,6	
	max.	*	*	*	*	*	*	*	*	*	*	*	36,4	29,0	23,0	17,7	13,9	10,9	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	22,7	18,2	14,6	11,3	9,1	7,3	
1,25	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	28,2	21,9	16,2	12,4	9,8	
	max.	*	*	*	*	*	*	*	*	*	*	*	*	29,0	23,0	17,7	13,9	10,9	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	18,2	14,6	11,3	9,1	7,3	
1,6	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	22,4	16,6	12,7	9,9	
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	23,0	17,7	13,9	10,9	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	14,6	11,3	9,1	7,3	
2,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	17,0	13,0	10,1	
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	17,7	13,9	10,9	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	11,3	9,1	7,3	
2,5	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13,3	10,3	7,8	
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13,9	10,9	8,5	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	9,1	7,3	5,8	
3,15	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10,5	8,0	
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10,9	8,5	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	7,3	5,8	
4,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8,1	
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8,5	
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5,8	

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 10\%$ and $\beta \leq 10\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

**Table 28 — Average sample sizes (ASSIs) for plans for nonconformities:
curtailed inspection with $\alpha \leq 5\%$ and $\beta \leq 5\%$**

PRQ (%)	ASSIs at:	Consumer's risk quality (%)													
		1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	PRQ	231	182	144	114	87,7	71,2	56,4	43,9	35,6	27,4	21,3	17,2	14,1	11,1
	max.	238	190	152	121	94,6	76,4	60,7	47,7	38,4	30,3	23,7	19,1	15,4	12,2
	CRQ	119	95,0	75,9	60,0	47,1	37,6	29,6	23,2	18,4	14,5	11,2	8,8	6,9	5,3
0,125	PRQ	*	184	146	115	88,5	71,7	56,7	44,1	35,7	27,5	21,3	17,2	14,1	11,1
	max.	*	190	152	121	94,6	76,4	60,7	47,7	38,4	30,3	23,7	19,1	15,4	12,2
	CRQ	*	95,0	75,9	60,0	47,1	37,6	29,6	23,2	18,4	14,5	11,2	8,8	6,9	5,3
0,160	PRQ	*	*	148	116	89,5	72,3	57,1	44,4	35,9	27,6	21,4	17,3	14,2	11,1
	max.	*	*	152	121	94,6	76,4	60,7	47,7	38,4	30,3	23,7	19,1	15,4	12,2
	CRQ	*	*	75,9	60,0	47,1	37,6	29,6	23,2	18,4	14,5	11,2	8,8	6,9	5,3
0,2	PRQ	*	*	*	117	90,5	73,0	57,6	44,7	36,1	27,8	21,5	17,3	14,2	11,1
	max.	*	*	*	121	94,6	76,4	60,7	47,7	38,4	30,3	23,7	19,1	15,4	12,2
	CRQ	*	*	*	60,0	47,1	37,6	29,6	23,2	18,4	14,5	11,2	8,8	6,9	5,3
0,25	PRQ	*	*	*	*	91,6	73,7	58,1	45,1	36,3	28,0	21,6	17,4	14,2	11,2
	max.	*	*	*	*	94,6	76,4	60,7	47,7	38,4	30,3	23,7	19,1	15,4	12,2
	CRQ	*	*	*	*	47,1	37,6	29,6	23,2	18,4	14,5	11,2	8,8	6,9	5,3
0,315	PRQ	*	*	*	*	*	74,5	58,7	45,5	36,6	28,2	21,8	17,5	14,3	11,2
	max.	*	*	*	*	*	76,4	60,7	47,7	38,4	30,3	23,7	19,1	15,4	12,2
	CRQ	*	*	*	*	*	37,6	29,6	23,2	18,4	14,5	11,2	8,8	6,9	5,3
0,4	PRQ	*	*	*	*	*	*	59,3	46,0	36,9	28,5	22,0	17,6	14,4	11,2
	max.	*	*	*	*	*	*	60,7	47,7	38,4	30,3	23,7	19,1	15,4	12,2
	CRQ	*	*	*	*	*	*	29,6	23,2	18,4	14,5	11,2	8,8	6,9	5,3
0,5	PRQ	*	*	*	*	*	*	*	46,5	37,2	28,7	22,2	17,7	14,4	11,3
	max.	*	*	*	*	*	*	*	47,7	38,4	30,3	23,7	19,1	15,4	12,2
	CRQ	*	*	*	*	*	*	*	23,2	18,4	14,5	11,2	8,8	6,9	5,3
0,63	PRQ	*	*	*	*	*	*	*	*	37,6	29,1	22,4	17,9	14,5	11,4
	max.	*	*	*	*	*	*	*	*	38,4	30,3	23,7	19,1	15,4	12,2
	CRQ	*	*	*	*	*	*	*	*	18,4	14,5	11,2	8,8	6,9	5,3
0,8	PRQ	*	*	*	*	*	*	*	*	*	29,4	22,7	18,1	14,7	11,5
	max.	*	*	*	*	*	*	*	*	*	30,3	23,7	19,1	15,4	12,2
	CRQ	*	*	*	*	*	*	*	*	*	14,5	11,2	8,8	6,9	5,3
1,0	PRQ	*	*	*	*	*	*	*	*	*	*	22,9	18,3	14,8	11,6
	max.	*	*	*	*	*	*	*	*	*	*	23,7	19,1	15,4	12,2
	CRQ	*	*	*	*	*	*	*	*	*	*	11,2	8,8	6,9	5,3
1,25	PRQ	*	*	*	*	*	*	*	*	*	*	*	18,5	14,9	11,7
	max.	*	*	*	*	*	*	*	*	*	*	*	19,1	15,4	12,2
	CRQ	*	*	*	*	*	*	*	*	*	*	*	8,8	6,9	5,3
1,6	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	15,1	11,8
	max.	*	*	*	*	*	*	*	*	*	*	*	*	15,4	12,2
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	6,9	5,3
2,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	11,9
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	12,2
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	5,3

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 5\%$ and $\beta \leq 5\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

**Table 29 — Average sample sizes (ASSIs) for plans for nonconformities:
curtailed inspection with $\alpha \leq 5\%$ and $\beta \leq 10\%$**

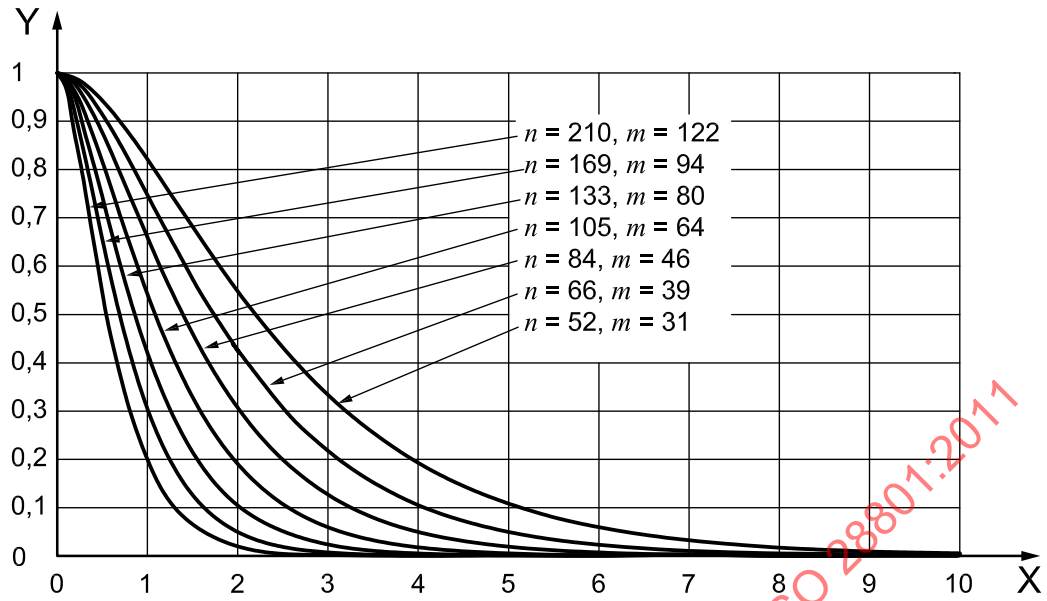
PRQ (%)	ASSIs at:	Consumer's risk quality (%)														
		1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5
0,1	PRQ	237	182	145	115	90,0	71,4	56,6	44,1	34,7	28,4	22,3	17,2	14,1	11,1	9,0
	max.	245	191	153	123	97,2	77,1	61,6	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0
	CRQ	146	114	91,0	72,7	57,5	45,2	36,0	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2
0,125	PRQ		184	147	116	90,9	71,9	57,0	44,3	34,8	28,5	22,3	17,2	14,1	11,1	9,1
	max.		191	153	123	97,2	77,1	61,6	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0
	CRQ		114	91,0	72,7	57,5	45,2	36,0	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2
0,160	PRQ		*	149	118	92,0	72,6	57,4	44,7	35,0	28,6	22,4	17,3	14,2	11,1	9,1
	max.		*	153	123	97,2	77,1	61,6	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0
	CRQ		*	91,0	72,7	57,5	45,2	36,0	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2
0,2	PRQ		*	*	119	93,0	73,3	58,0	45,0	35,3	28,8	22,5	17,4	14,2	11,1	9,1
	max.		*	*	123	97,2	77,1	61,6	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0
	CRQ		*	*	72,7	57,5	45,2	36,0	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2
0,25	PRQ		*	*	*	94,2	74,1	58,5	45,4	35,6	28,9	22,7	17,4	14,3	11,2	9,1
	max.		*	*	*	97,2	77,1	61,6	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0
	CRQ		*	*	*	57,5	45,2	36,0	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2
0,315	PRQ		*	*	*	*	74,9	59,2	45,9	35,9	29,1	22,8	17,5	14,3	11,2	9,1
	max.		*	*	*	*	77,1	61,6	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0
	CRQ		*	*	*	*	45,2	36,0	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2
0,4	PRQ		*	*	*	*	*	59,9	46,5	36,3	29,4	23,0	17,7	14,4	11,3	9,2
	max.		*	*	*	*	*	61,6	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0
	CRQ		*	*	*	*	*	36,0	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2
0,5	PRQ		*	*	*	*	*	*	47,1	36,7	29,7	23,2	17,8	14,5	11,4	9,2
	max.		*	*	*	*	*	*	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0
	CRQ		*	*	*	*	*	*	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2
0,63	PRQ		*	*	*	*	*	*	*	37,2	30,0	23,4	18,0	14,6	11,4	9,3
	max.		*	*	*	*	*	*	*	38,4	31,1	24,7	19,3	15,6	12,5	10,0
	CRQ		*	*	*	*	*	*	*	22,2	17,7	14,0	10,8	8,5	6,7	5,2
0,8	PRQ		*	*	*	*	*	*	*	*	30,3	23,7	18,2	14,8	11,5	9,3
	max.		*	*	*	*	*	*	*	*	31,1	24,7	19,3	15,6	12,5	10,0
	CRQ		*	*	*	*	*	*	*	*	17,7	14,0	10,8	8,5	6,7	5,2
1,0	PRQ		*	*	*	*	*	*	*	*	*	24,0	18,4	14,9	11,6	9,4
	max.		*	*	*	*	*	*	*	*	*	24,7	19,3	15,6	12,5	10,0
	CRQ		*	*	*	*	*	*	*	*	*	14,0	10,8	8,5	6,7	5,2
1,25	PRQ		*	*	*	*	*	*	*	*	*	*	18,7	15,1	11,8	9,5
	max.		*	*	*	*	*	*	*	*	*	*	19,3	15,6	12,5	10,0
	CRQ		*	*	*	*	*	*	*	*	*	*	10,8	8,5	6,7	5,2
1,6	PRQ		*	*	*	*	*	*	*	*	*	*	*	15,2	11,9	9,6
	max.		*	*	*	*	*	*	*	*	*	*	*	15,6	12,5	10,0
	CRQ		*	*	*	*	*	*	*	*	*	*	*	8,5	6,7	5,2
2,0	PRQ		*	*	*	*	*	*	*	*	*	*	*	*	12,1	9,7
	max.		*	*	*	*	*	*	*	*	*	*	*	*	12,5	10,0
	CRQ		*	*	*	*	*	*	*	*	*	*	*	*	6,7	5,2
2,5	PRQ		*	*	*	*	*	*	*	*	*	*	*	*	*	9,8
	max.		*	*	*	*	*	*	*	*	*	*	*	*	*	10,0
	CRQ		*	*	*	*	*	*	*	*	*	*	*	*	*	5,2

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 5\%$ and $\beta \leq 10\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.

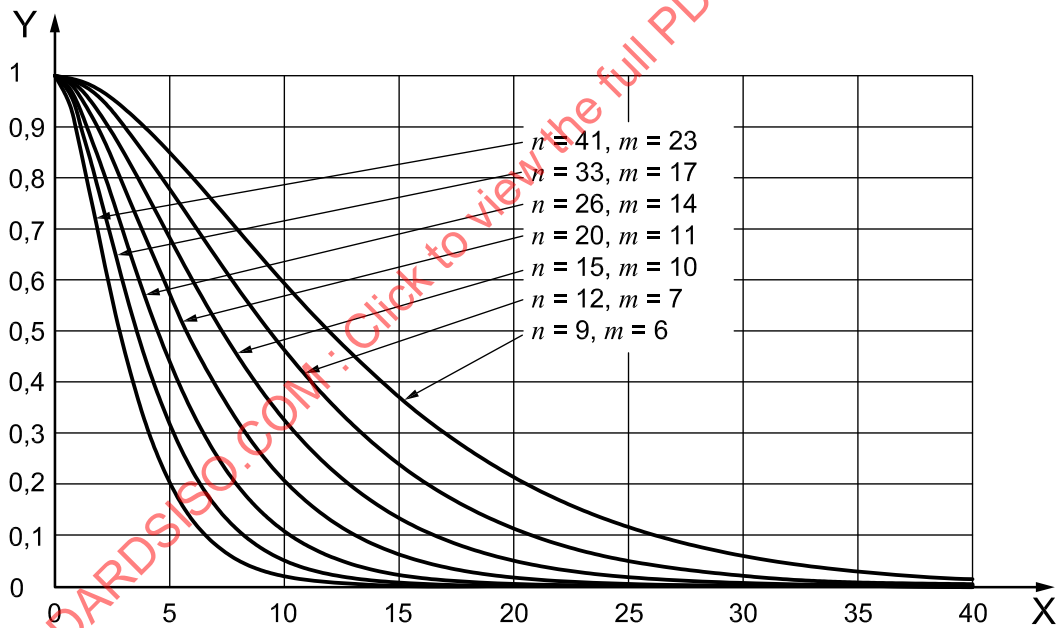
**Table 30 — Average sample sizes (ASSIs) for plans for nonconformities:
curtailed inspection with $\alpha \leq 10\%$ and $\beta \leq 10\%$**

PRQ (%)	ASSIs at:	Consumer's risk quality (%)																	
		0,8	1,0	1,25	1,6	2,0	2,5	3,15	4,0	5,0	6,3	8,0	10,0	12,5	16,0	20,0	25,0	31,5	
0,1	PRQ	378	299	237	182	145	115	90,0	71,4	56,6	44,1	34,7	28,4	22,3	17,2	14,1	11,1	9,0	
	max.	381	305	245	191	153	123	97,2	77,1	61,6	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0	
	CRQ	228	183	146	114	91,0	72,7	57,5	45,2	36,0	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2	
0,125	PRQ	*	302	240	184	147	116	90,9	71,9	57,0	44,3	34,8	28,5	22,3	17,2	14,1	11,1	9,1	
	max.	*	305	245	191	153	123	97,2	77,1	61,6	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0	
	CRQ	*	183	146	114	91,0	72,7	57,5	45,2	36,0	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2	
0,160	PRQ	*	*	242	187	149	118	92,0	72,6	57,4	44,7	35,0	28,6	22,4	17,3	14,2	11,1	9,1	
	max.	*	*	245	191	153	123	97,2	77,1	61,6	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0	
	CRQ	*	*	146	114	91,0	72,7	57,5	45,2	36,0	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2	
0,2	PRQ	*	*	*	189	150	119	93,0	73,3	58,0	45,0	35,3	28,8	22,5	17,4	14,2	11,1	9,1	
	max.	*	*	*	191	153	123	97,2	77,1	61,6	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0	
	CRQ	*	*	*	114	91,0	72,7	57,5	45,2	36,0	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2	
0,25	PRQ	*	*	*	*	152	120	94,2	74,1	58,5	45,4	35,6	28,9	22,7	17,4	14,3	11,2	9,1	
	max.	*	*	*	*	153	123	97,2	77,1	61,6	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0	
	CRQ	*	*	*	*	91,0	72,7	57,5	45,2	36,0	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2	
0,315	PRQ	*	*	*	*	*	122	95,3	74,9	59,2	45,9	35,9	29,1	22,8	17,5	14,3	11,2	9,1	
	max.	*	*	*	*	*	123	97,2	77,1	61,6	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0	
	CRQ	*	*	*	*	*	72,7	57,5	45,2	36,0	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2	
0,4	PRQ	*	*	*	*	*	*	96,4	75,8	59,9	46,5	36,3	29,4	23,0	17,7	14,4	11,3	9,2	
	max.	*	*	*	*	*	*	97,2	77,1	61,6	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0	
	CRQ	*	*	*	*	*	*	57,5	45,2	36,0	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2	
0,5	PRQ	*	*	*	*	*	*	*	76,5	60,6	47,1	36,7	29,7	23,2	17,8	14,5	11,4	9,2	
	max.	*	*	*	*	*	*	*	77,1	61,6	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0	
	CRQ	*	*	*	*	*	*	*	45,2	36,0	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2	
0,63	PRQ	*	*	*	*	*	*	*	*	61,2	47,7	37,2	30,0	23,4	18,0	14,6	11,4	9,3	
	max.	*	*	*	*	*	*	*	*	61,6	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0	
	CRQ	*	*	*	*	*	*	*	*	36,0	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2	
0,8	PRQ	*	*	*	*	*	*	*	*	*	*	48,2	37,6	30,3	23,7	18,2	14,8	11,5	9,3
	max.	*	*	*	*	*	*	*	*	*	*	48,6	38,4	31,1	24,7	19,3	15,6	12,5	10,0
	CRQ	*	*	*	*	*	*	*	*	*	*	28,4	22,2	17,7	14,0	10,8	8,5	6,7	5,2
1,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	38,0	30,6	24,0	18,4	14,9	11,6	9,4
	max.	*	*	*	*	*	*	*	*	*	*	*	38,4	31,1	24,7	19,3	15,6	12,5	10,0
	CRQ	*	*	*	*	*	*	*	*	*	*	*	22,2	17,7	14,0	10,8	8,5	6,7	5,2
1,25	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	30,9	24,3	18,7	15,1	11,8	9,5
	max.	*	*	*	*	*	*	*	*	*	*	*	*	31,1	24,7	19,3	15,6	12,5	10,0
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	17,7	14,0	10,8	8,5	6,7	5,2
1,6	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	24,5	18,9	15,2	11,9	9,6
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	24,7	19,3	15,6	12,5	10,0
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	14,0	10,8	8,5	6,7	5,2
2,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	19,1	15,4	12,1	9,7
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	19,3	15,6	12,5	10,0
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10,8	8,5	6,7	5,2
2,5	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15,6	12,2	9,8
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15,6	12,5	10,0
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	8,5	6,7	5,2
3,15	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12,4	9,9
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	12,5	10,0
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	6,7	5,2
4,0	PRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10,0
	max.	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10,0
	CRQ	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	5,2

NOTE Cells containing asterisks indicate that a double sampling plan of the form $(n, 0, 2; m, 1, 2)$ with $\alpha \leq 10\%$ and $\beta \leq 10\%$ does not exist for that combination of producer's risk quality and consumer's risk quality; consider decreasing the PRQ or increasing the CRQ, or both.



a)

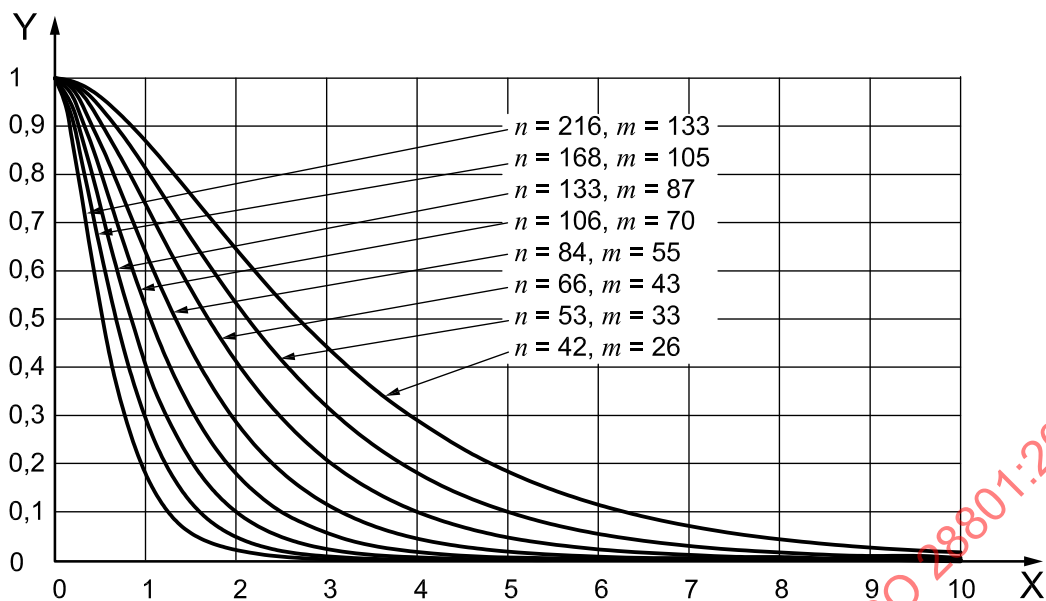


b)

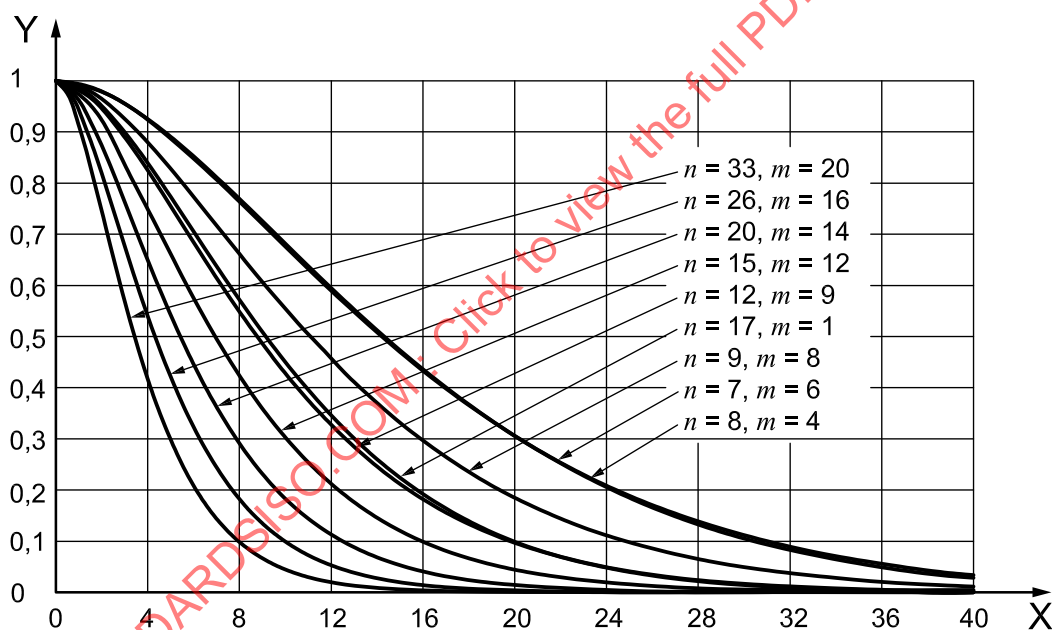
Key

- X incoming quality in percent nonconforming items
 Y probability of acceptance

Figure 1 — Operating characteristic curves for plans for nonconforming items:
 $\alpha \leq 5\%$ and $\beta \leq 5\%$



a)

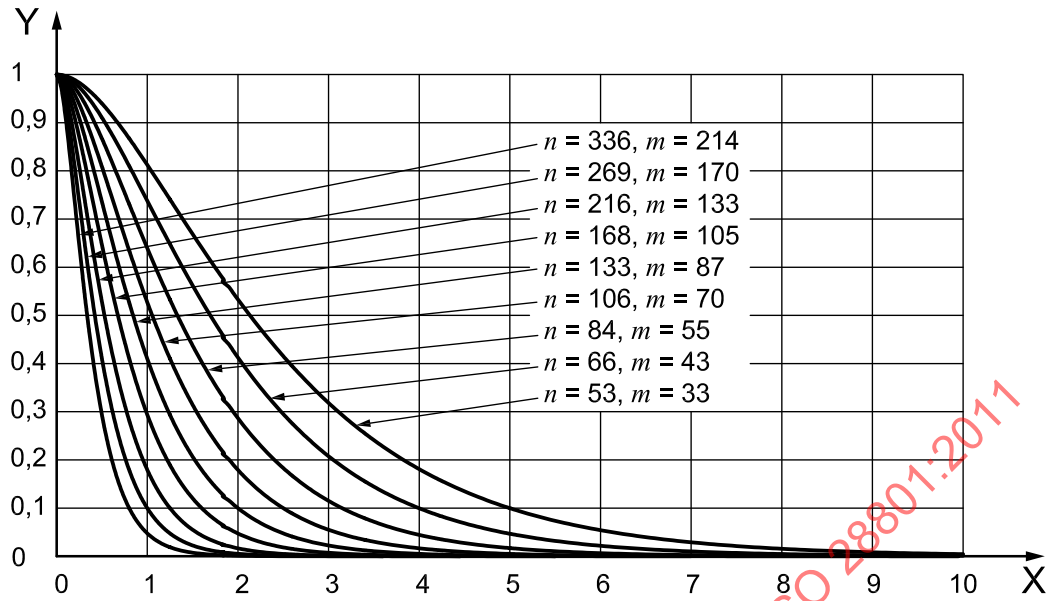


b)

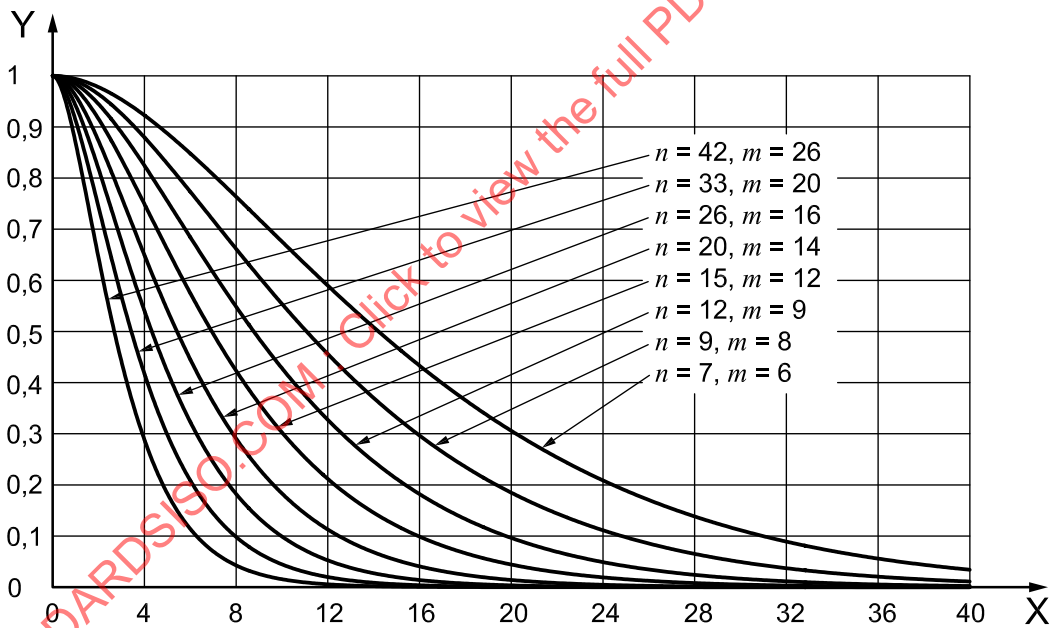
Key

- X incoming quality in percent nonconforming items
- Y probability of acceptance

Figure 2 — Operating characteristic curves for plans for nonconforming items:
 $\alpha \leq 5\%$ and $\beta \leq 10\%$



a)

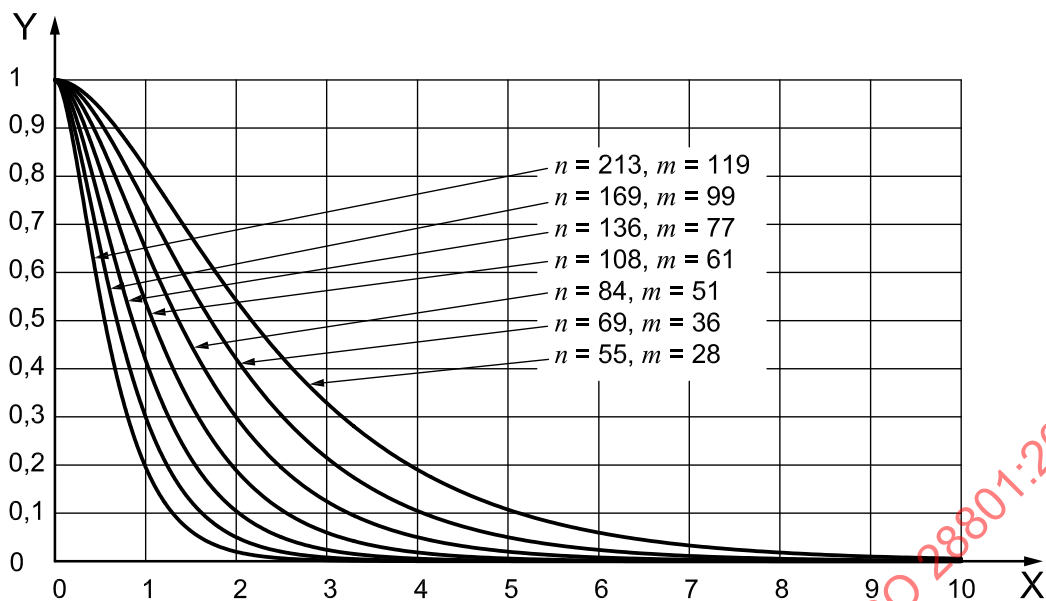


b)

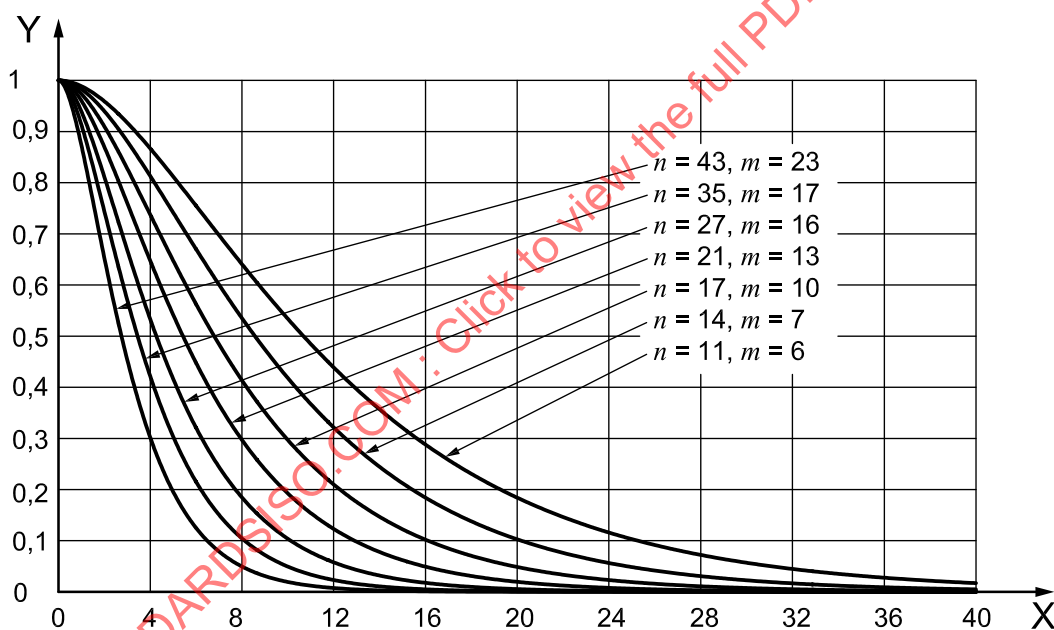
Key

- X incoming quality in nonconformities per 100 items
 Y probability of acceptance

Figure 3 — Operating characteristic curves for plans for nonconforming items:
 $\alpha \leq 10\%$ and $\beta \leq 10\%$



a)



b)

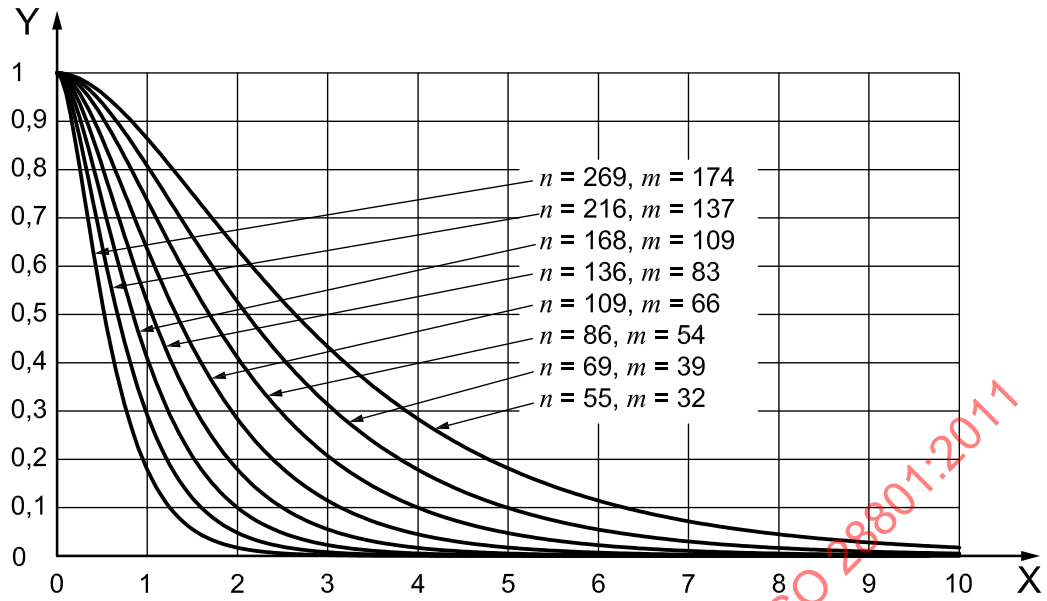
Key

X incoming quality in nonconformities per 100 items

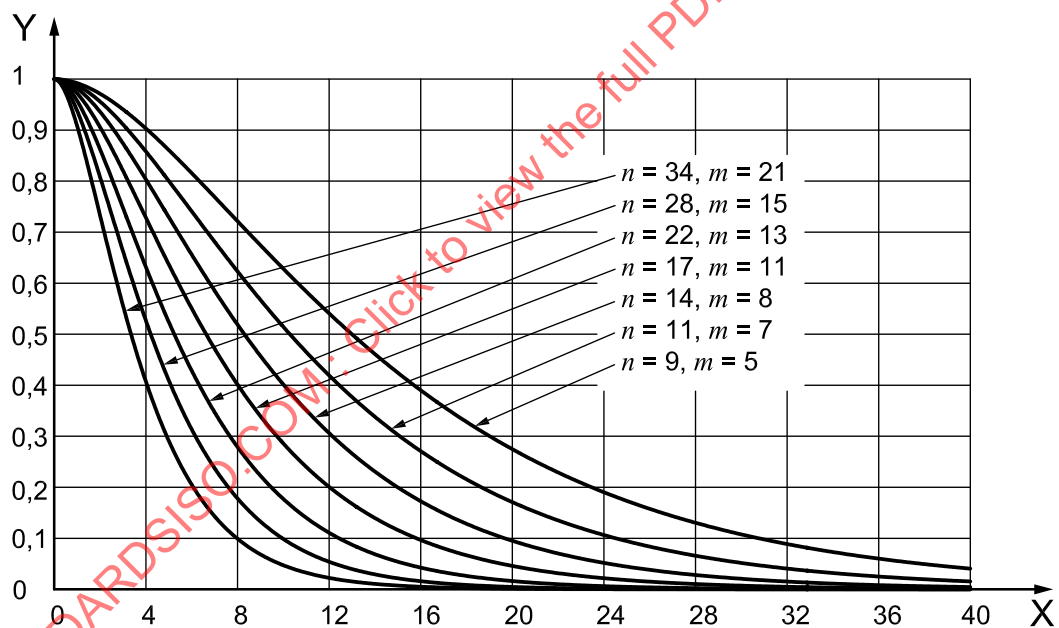
Y probability of acceptance

Figure 4 — Operating characteristic curves for plans for nonconformities:

$\alpha \leq 5\%$ and $\beta \leq 5\%$



a)

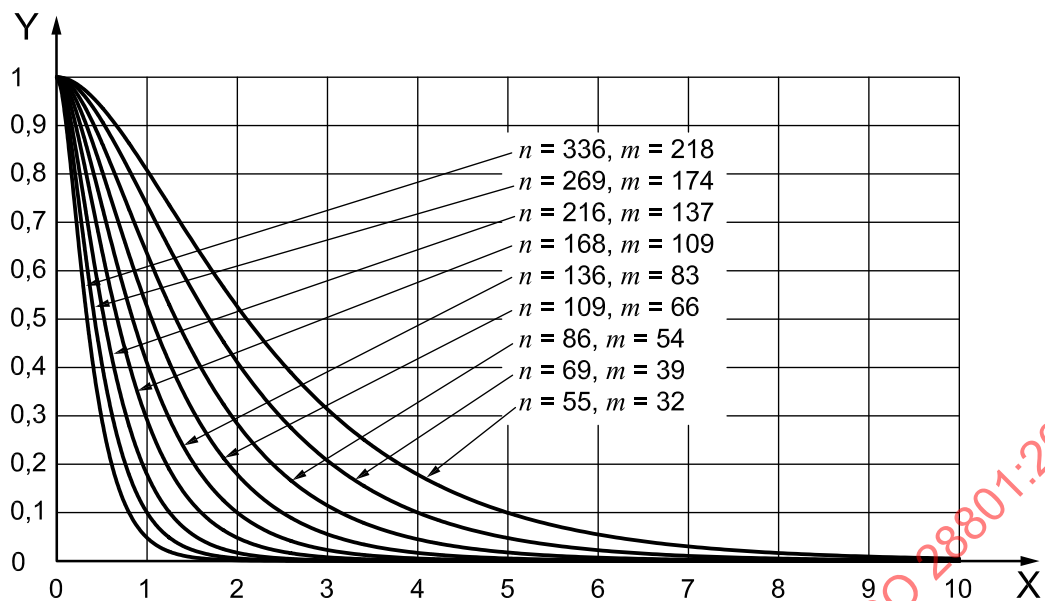


b)

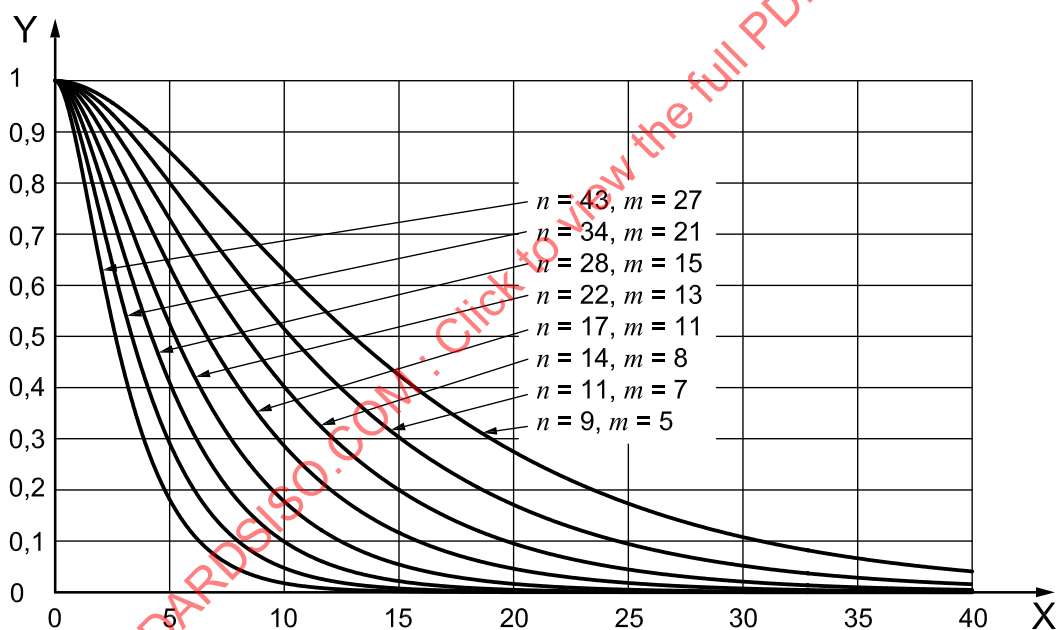
Key

- X incoming quality in nonconformities per 100 items
 Y probability of acceptance

Figure 5 — Operating characteristic curves for plans for nonconformities:
 $\alpha \leq 5\%$ and $\beta \leq 10\%$



a)

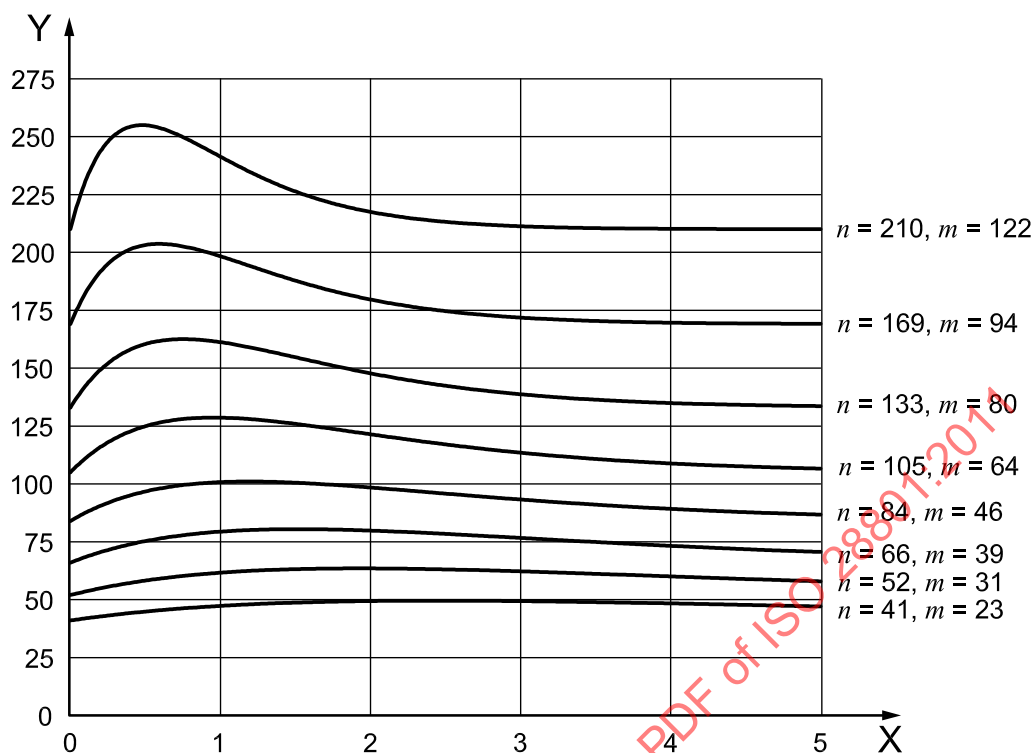


b)

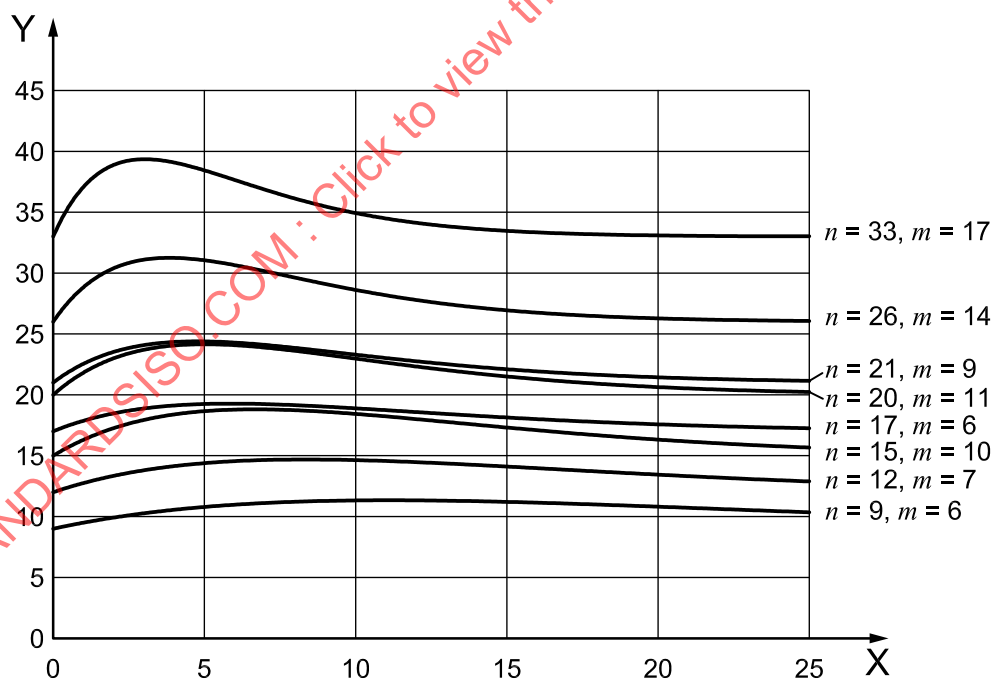
Key

- X incoming quality in nonconformities per 100 items
Y probability of acceptance

Figure 6 — Operating characteristic curves for plans for nonconformities:
 $\alpha \leq 10\%$ and $\beta \leq 10\%$



a)



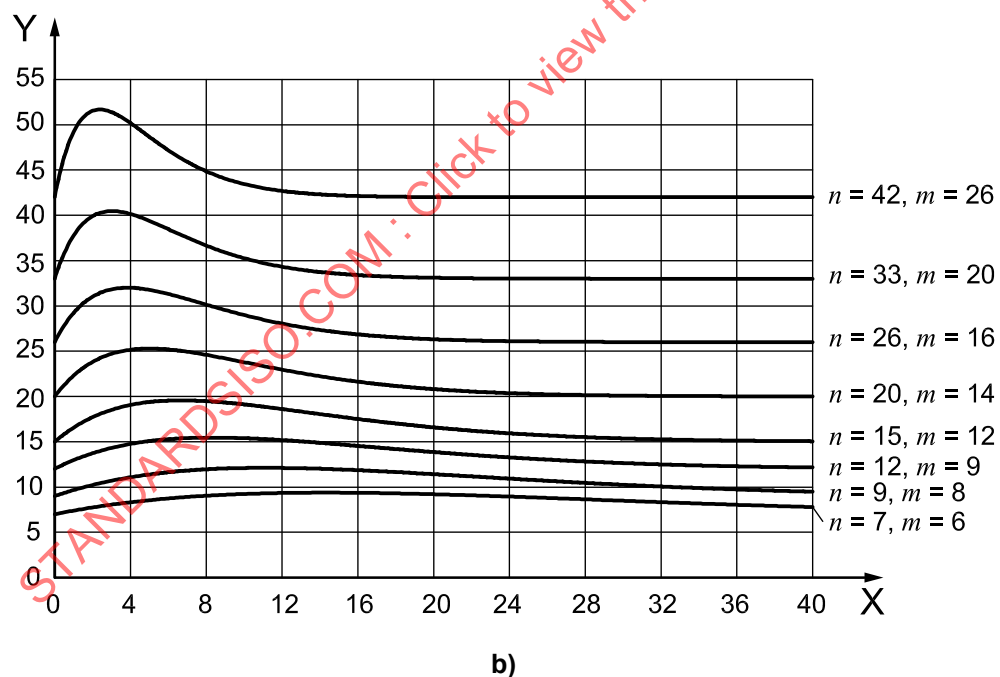
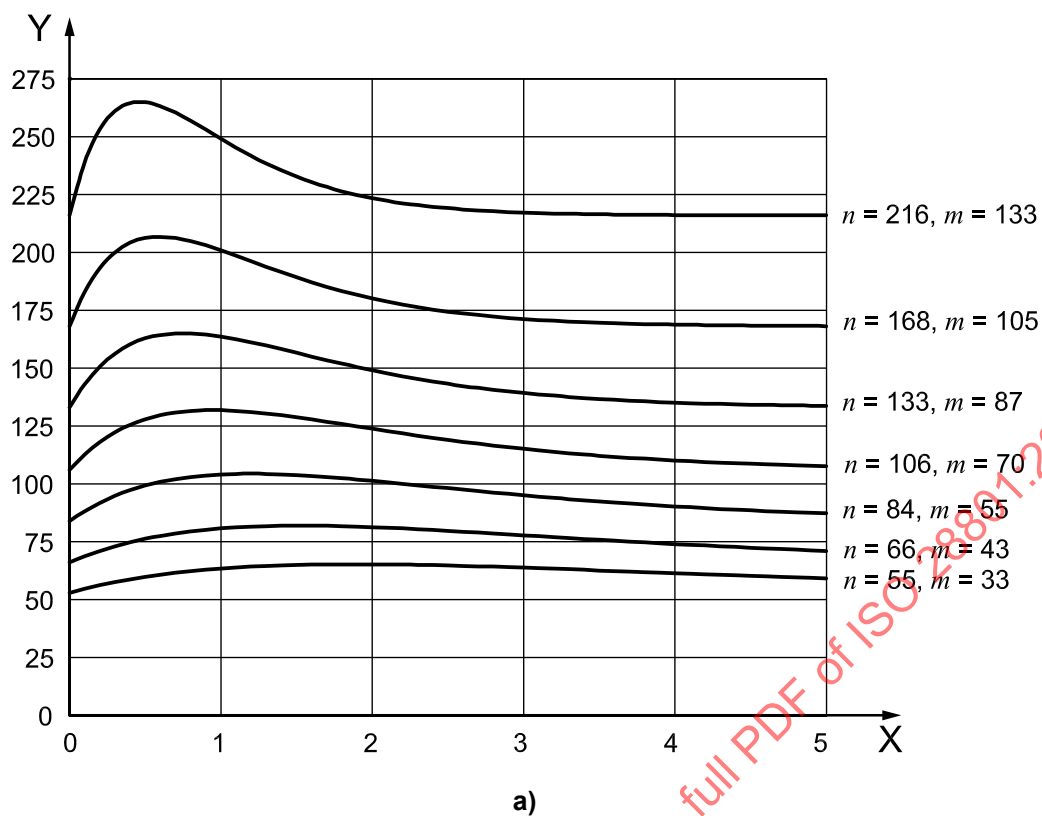
b)

Key

X incoming quality in percent nonconforming items

Y average sample size

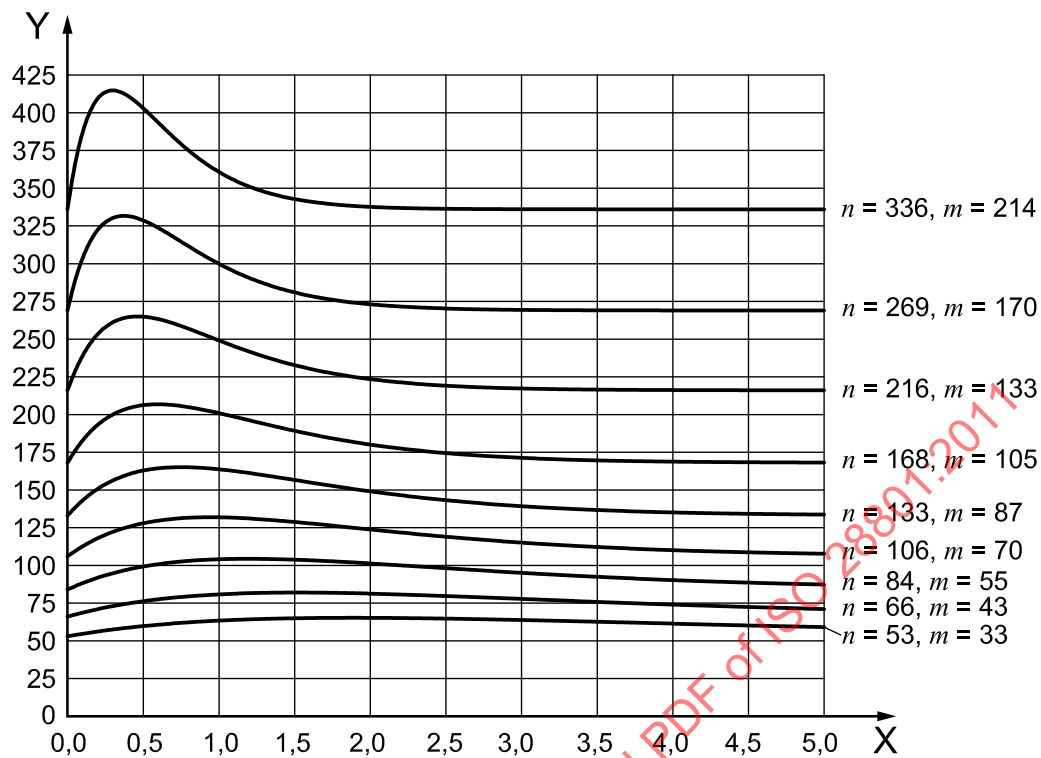
Figure 7 — Average sample size curves for plans for nonconforming items:
 uncurtailed inspection with $\alpha \leq 5\%$ and $\beta \leq 5\%$



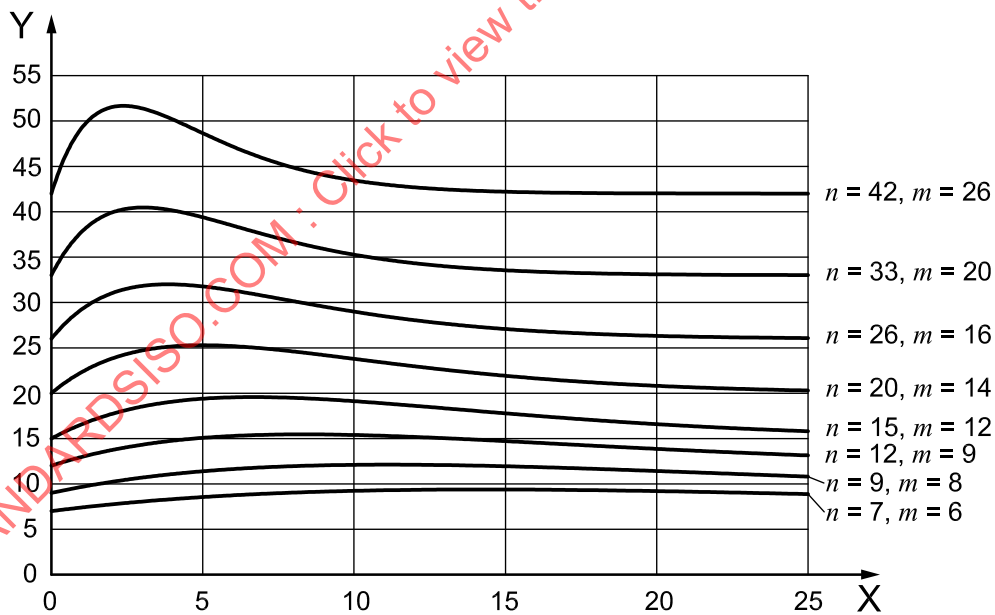
Key

- X incoming quality in percent nonconforming items
Y average sample size

**Figure 8 — Average sample size curves for plans for nonconforming items:
uncurtailed inspection with $\alpha \leq 5\%$ and $\beta \leq 10\%$**



a)

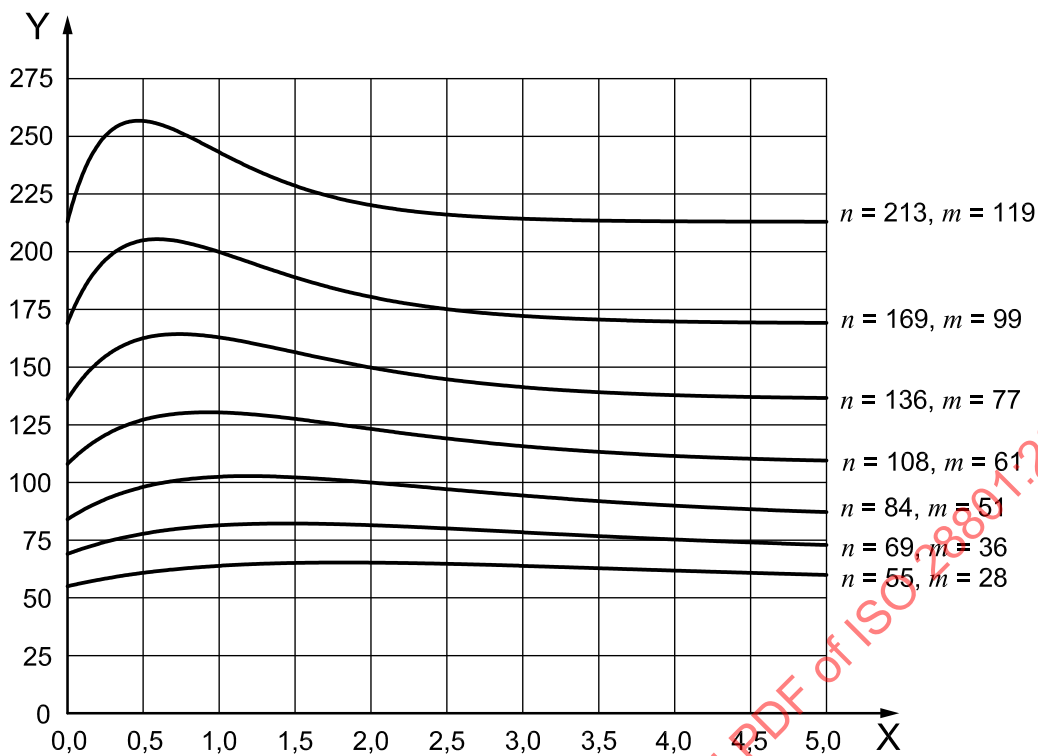


b)

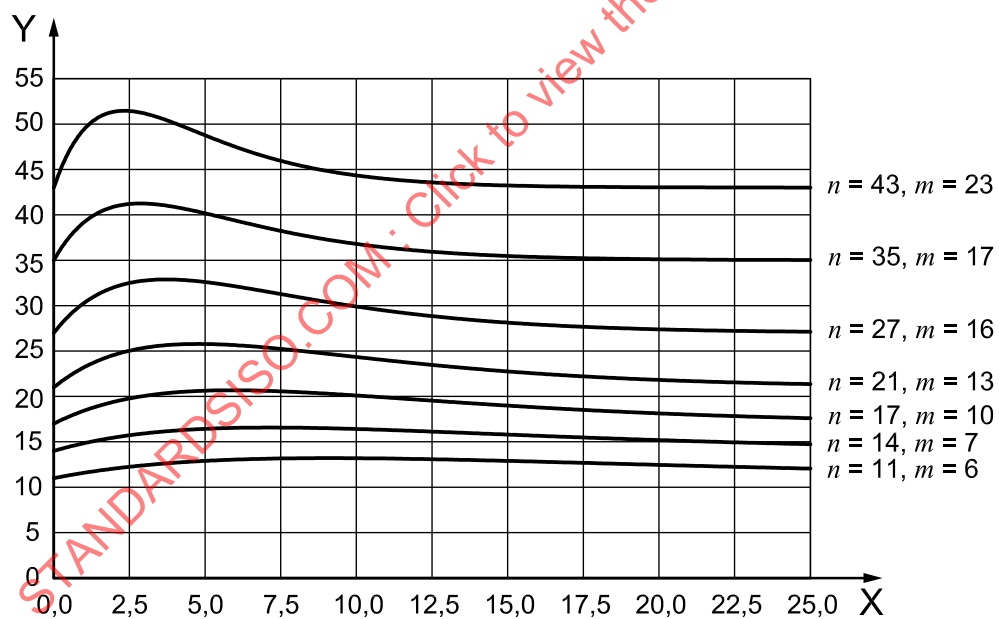
Key

- X incoming quality in percent nonconforming items
- Y average sample size

**Figure 9 — Average sample size curves for plans for nonconforming items:
uncurtailed inspection with $\alpha \leq 10\%$ and $\beta \leq 10\%$**



a)



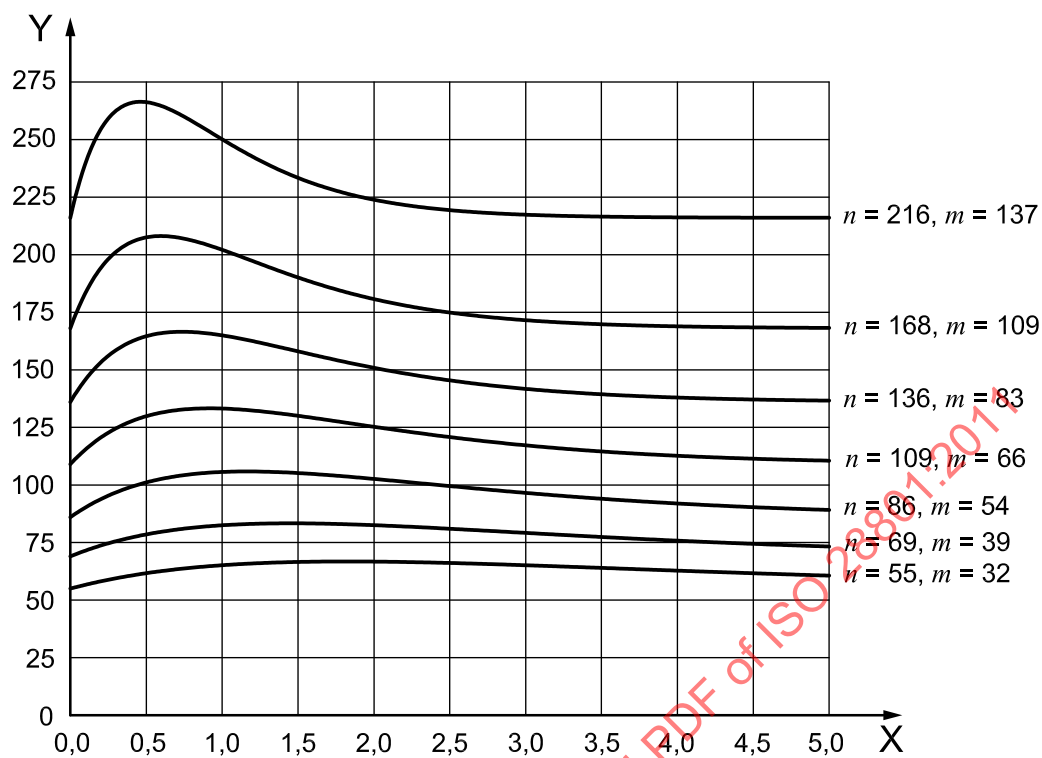
b)

Key

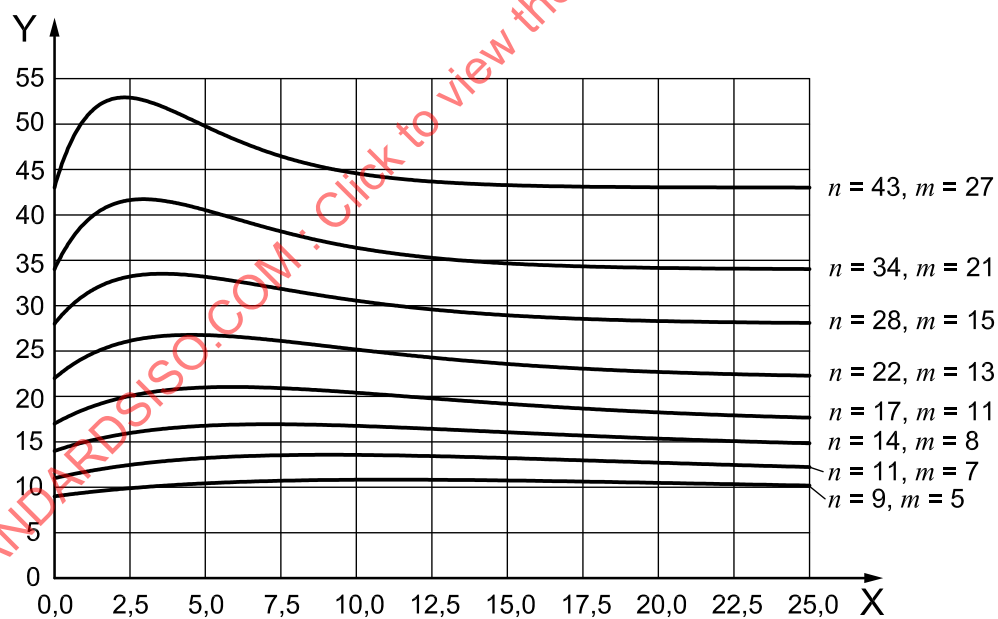
X incoming quality in nonconformities per 100 items

Y average sample size

**Figure 10 — Average sample size curves for plans for nonconformities:
uncurtailed inspection with $\alpha \leq 5\%$ and $\beta \leq 5\%$**



a)

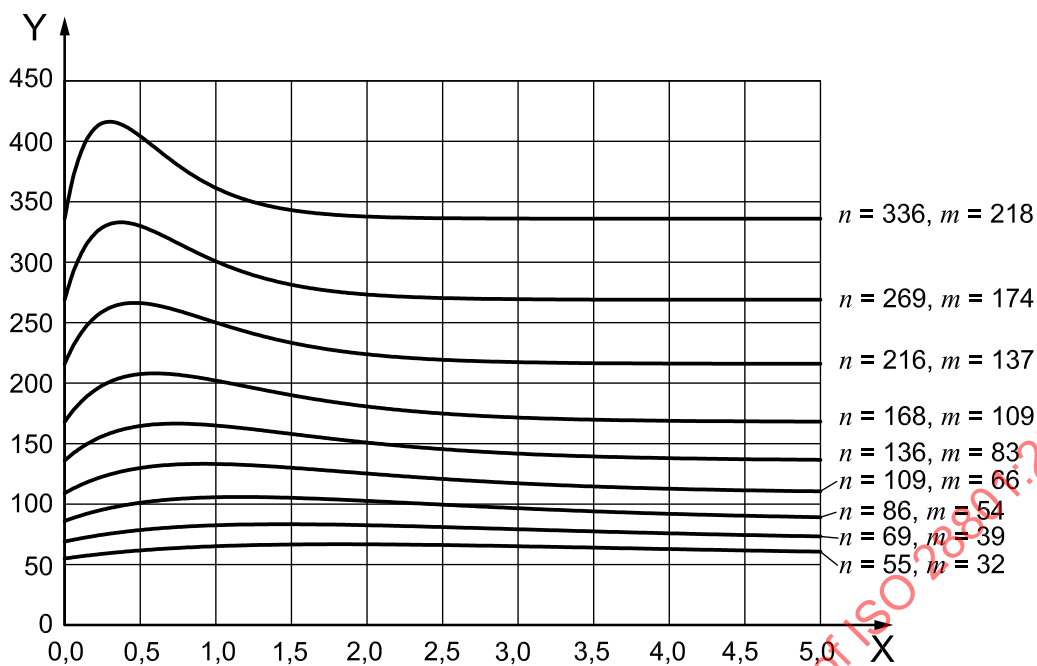


b)

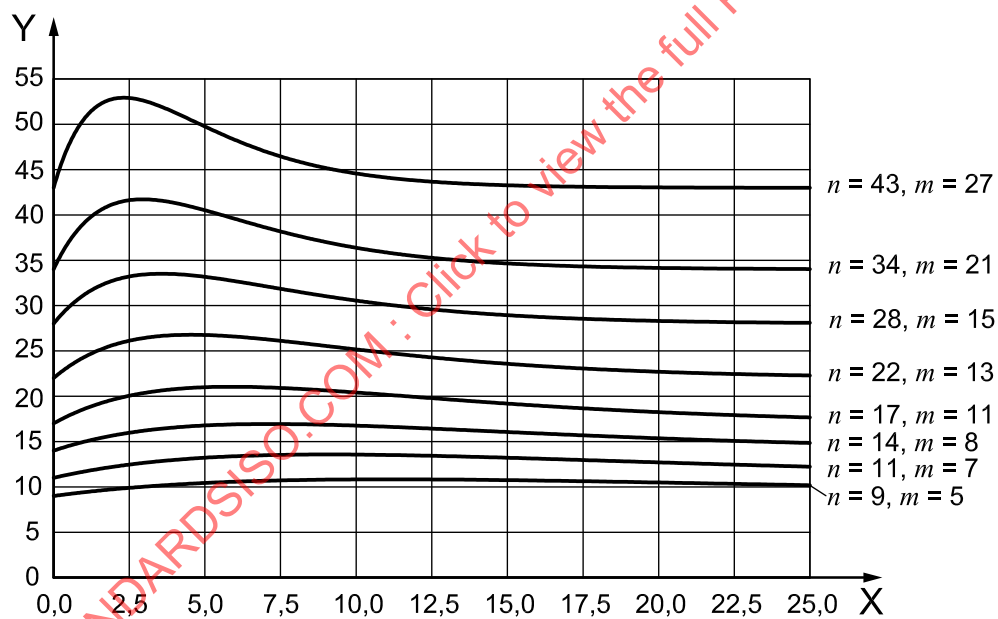
Key

- X incoming quality in nonconformities per 100 items
 Y average sample size

**Figure 11 — Average sample size curves for plans for nonconformities:
 uncurtailed inspection with $\alpha \leq 5\%$ and $\beta \leq 10\%$**



a)



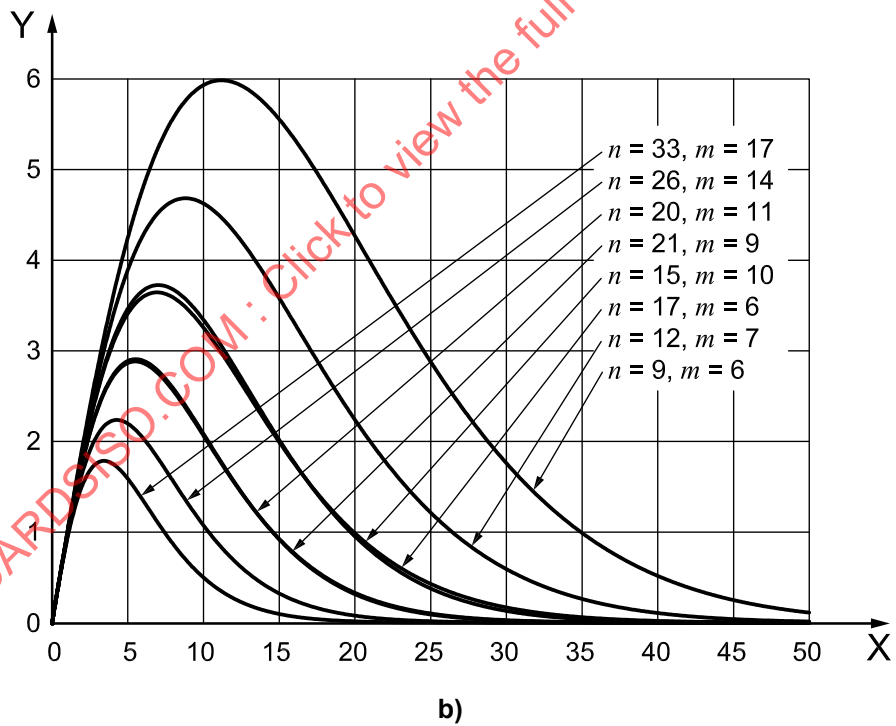
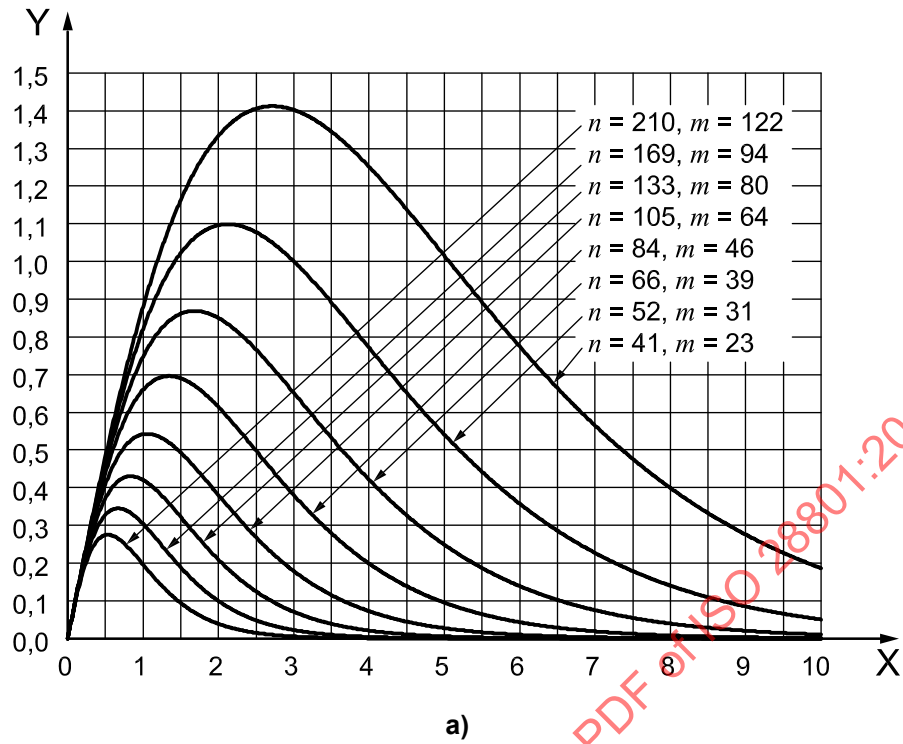
b)

Key

X incoming quality in nonconformities per 100 items

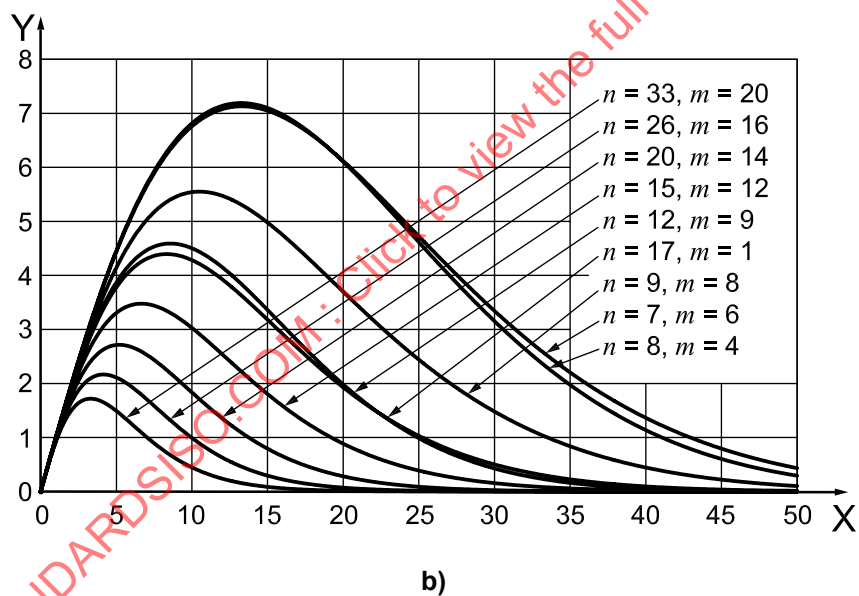
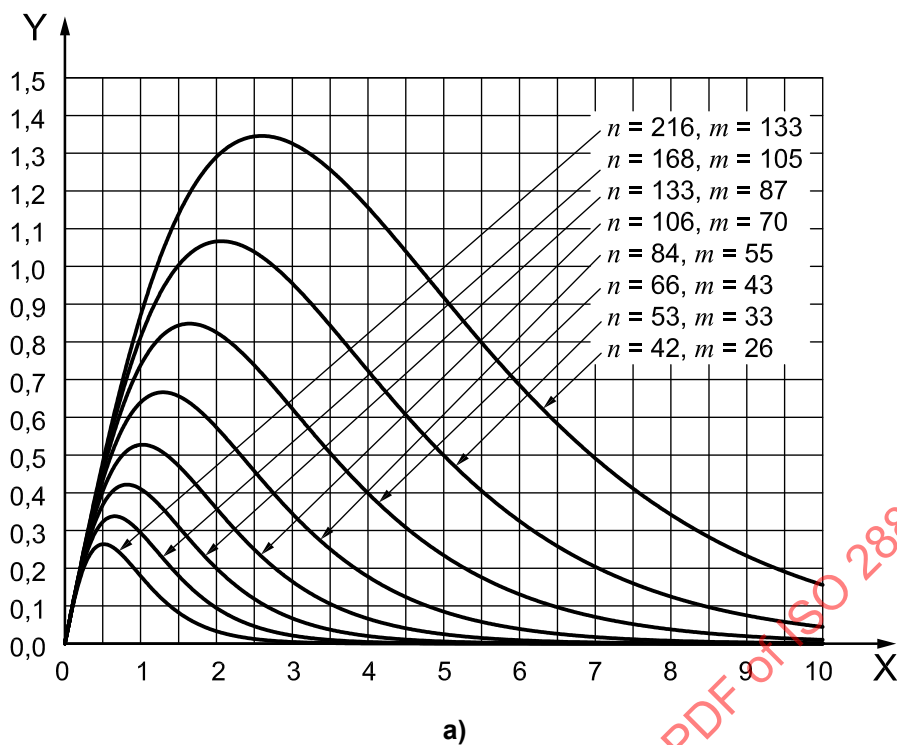
Y average sample size

**Figure 12 — Average sample size curves for plans for nonconformities:
uncurtailed inspection with $\alpha \leq 10\%$ and $\beta \leq 10\%$**

**Key**

- X incoming quality in percent nonconforming items
 Y average outgoing quality in percent nonconforming items

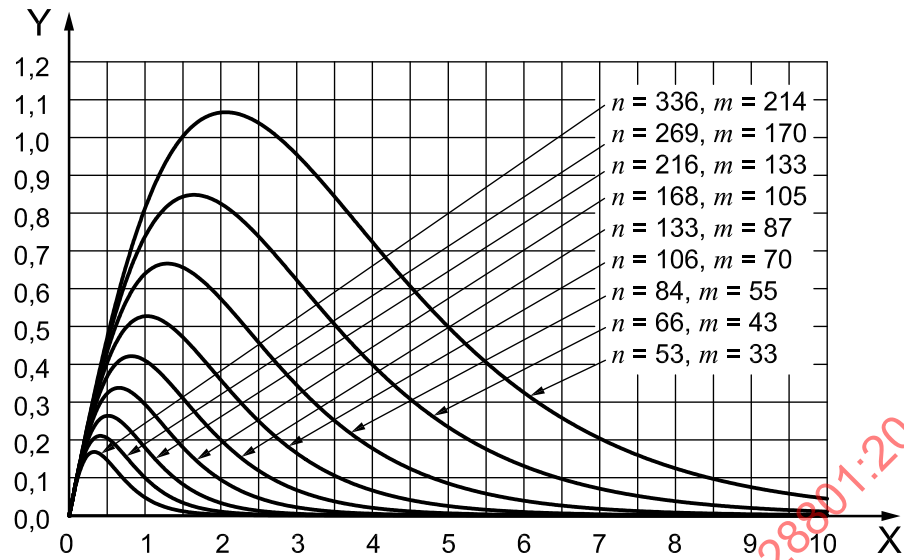
Figure 13 — Average outgoing quality for plans for nonconforming items: $\alpha, \beta \leq 5\%$



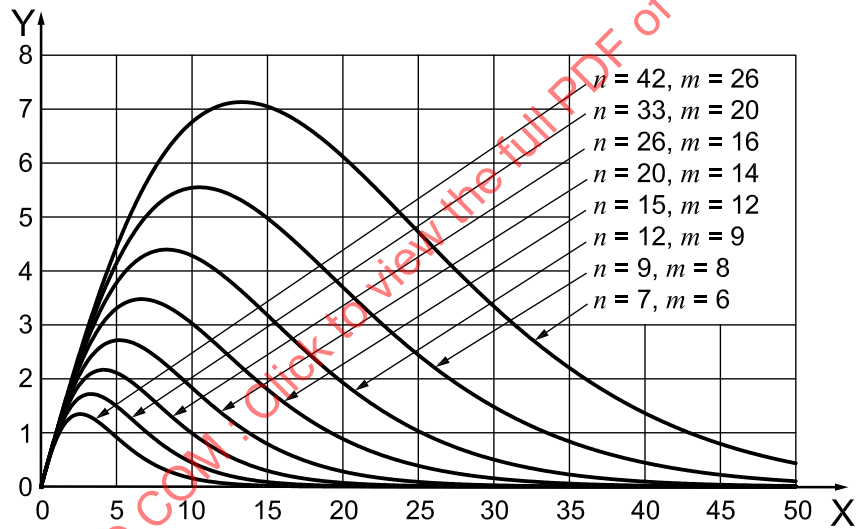
Key

- X incoming quality in percent nonconforming items
 Y average outgoing quality in percent nonconforming items

Figure 14 — Average outgoing quality curves for plans for nonconforming items:
 $\alpha \leq 5\%$ and $\beta \leq 10\%$



a)



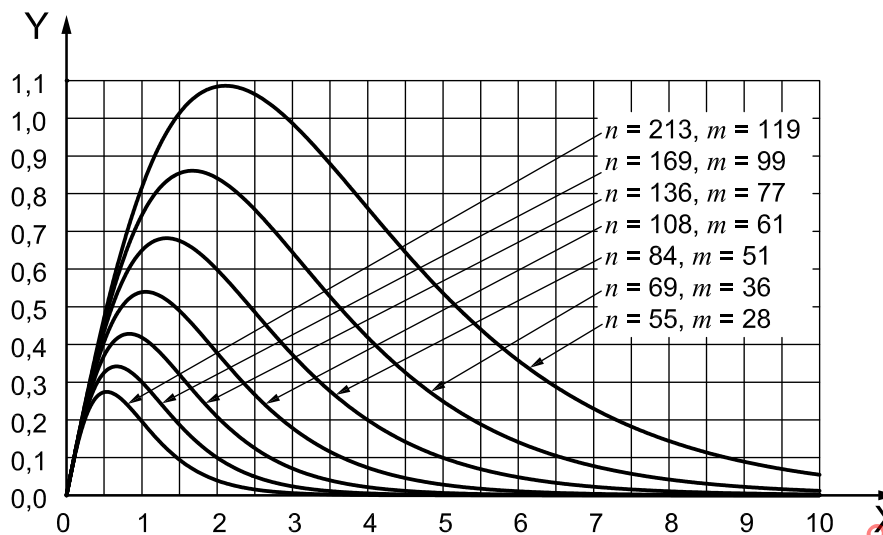
b)

Key

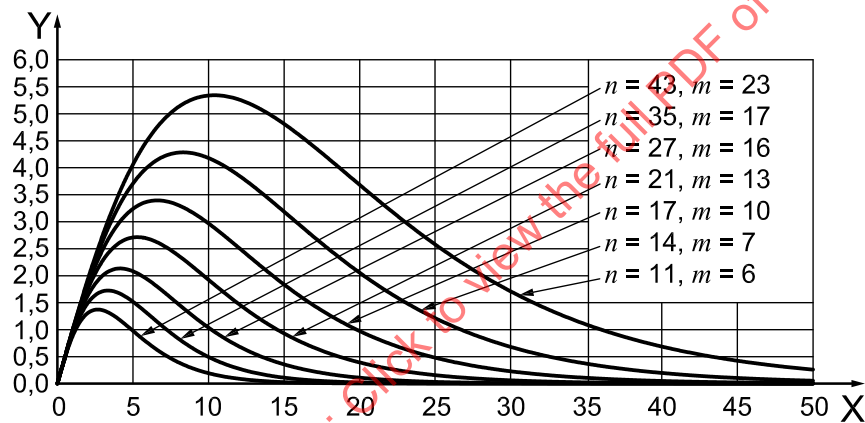
- X incoming quality in percent nonconforming items
 Y average outgoing quality in percent nonconforming items

Figure 15 — Average outgoing quality curves for plans for nonconforming items:

$\alpha \leq 10\%$ and $\beta \leq 10\%$



a)



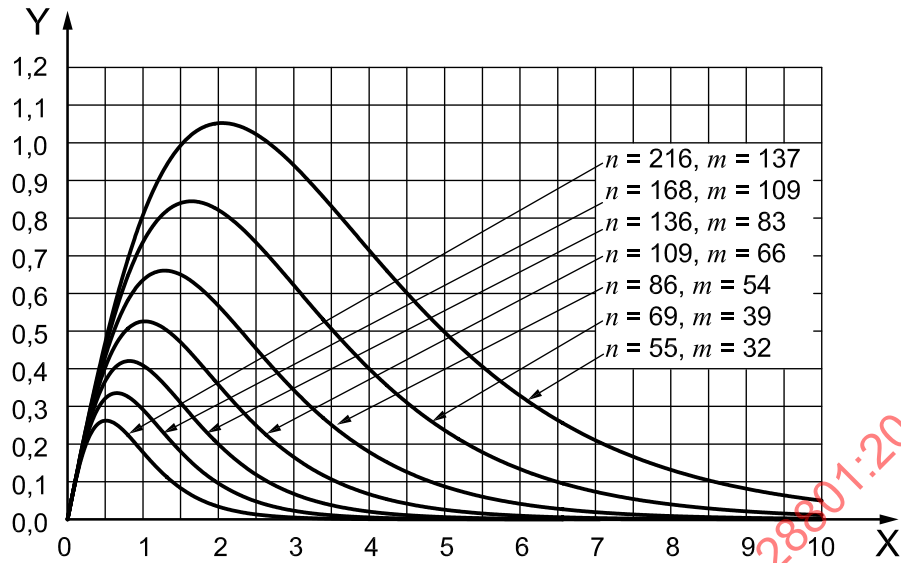
b)

Key

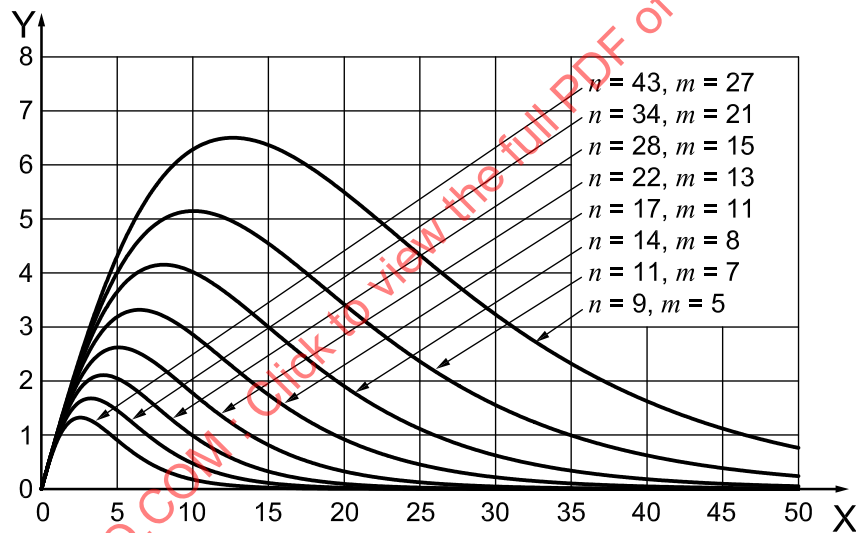
X incoming quality in nonconformities per 100 items

Y average outgoing quality in nonconformities per 100 items

Figure 16 — Average outgoing quality curves for plans for nonconformities:
 $\alpha \leq 5\%$ and $\beta \leq 5\%$



a)

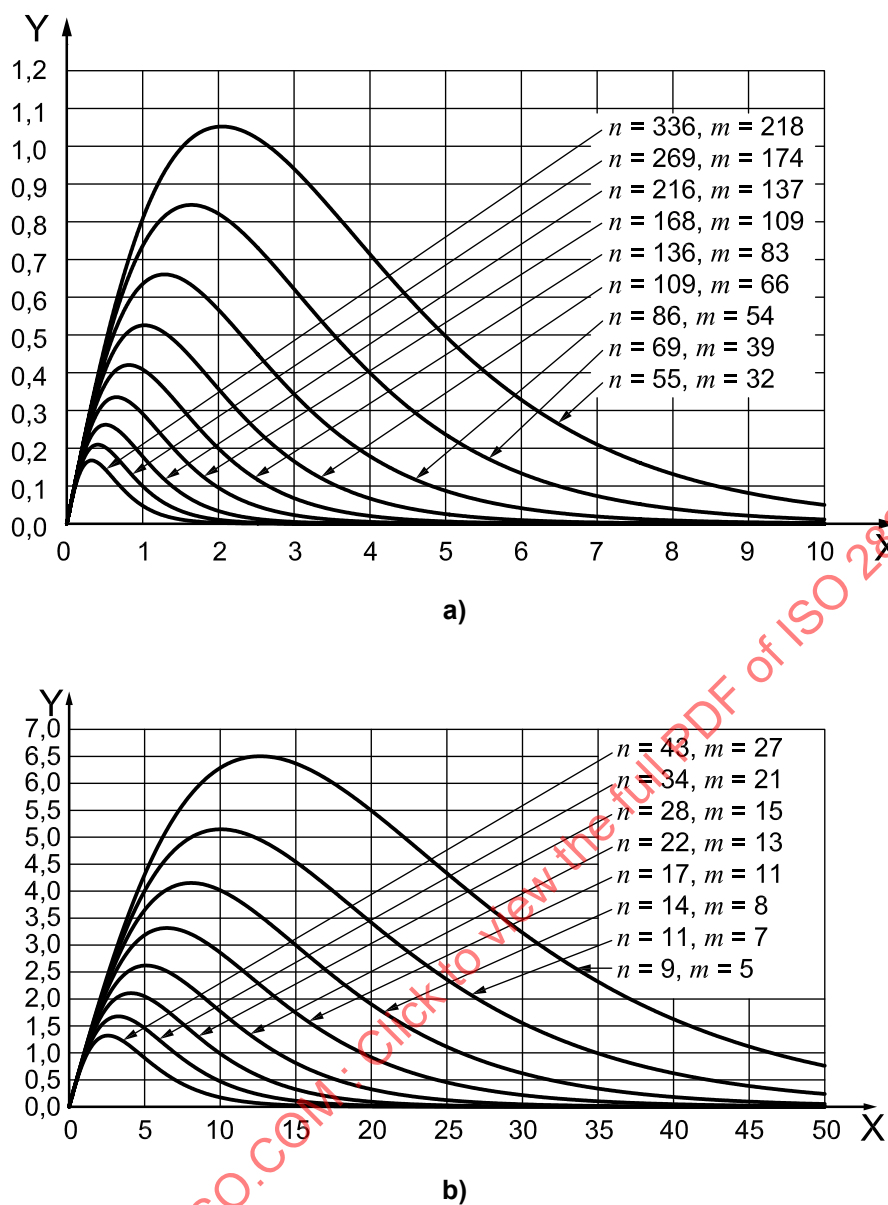


b)

Key

- X incoming quality in nonconformities per 100 items
 Y average outgoing quality in nonconformities per 100 items

Figure 17 — Average outgoing quality curves for plans for nonconformities:
 $\alpha \leq 5\%$ and $\beta \leq 10\%$



Key

X incoming quality in nonconformities per 100 items

Y average outgoing quality in nonconformities per 100 items

Figure 18 — Average outgoing quality curves for plans for nonconformities:
 $\alpha \leq 10\%$ and $\beta \leq 10\%$