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# International Standard



# 8169

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Equipment for crop protection — Sprayers — Connecting dimensions for nozzles and manometers

*Matériel de traitement agropharmaceutique — Pulvérisateurs — Dimensions de raccordement des buses et des manomètres*

First edition — 1984-10-15

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UDC 631.348.45

Ref. No. ISO 8169-1984 (E)

Descriptors: agricultural machinery, agricultural sprayers, nozzles, manometers, connecting dimensions.

## 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8169 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*.

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# Equipment for crop protection — Sprayers — Connecting dimensions for nozzles and manometers

## 1 Scope and field of application

This International Standard lays down the main connecting dimensions to allow interchangeability of nozzles and manometers. (Terms are defined in ISO 5681.)

This International Standard applies to sprayers for crop protection. Connecting dimensions for nozzles apply only to

apparatus which is equipped with connections for nozzle tips with filters and/or anti-drip filters.

## 2 References

ISO 4102, *Equipment for crop protection — Sprayers — Connection threading.*

ISO 5681, *Equipment for crop protection — Vocabulary.*

3 Main connecting dimensions for nozzles

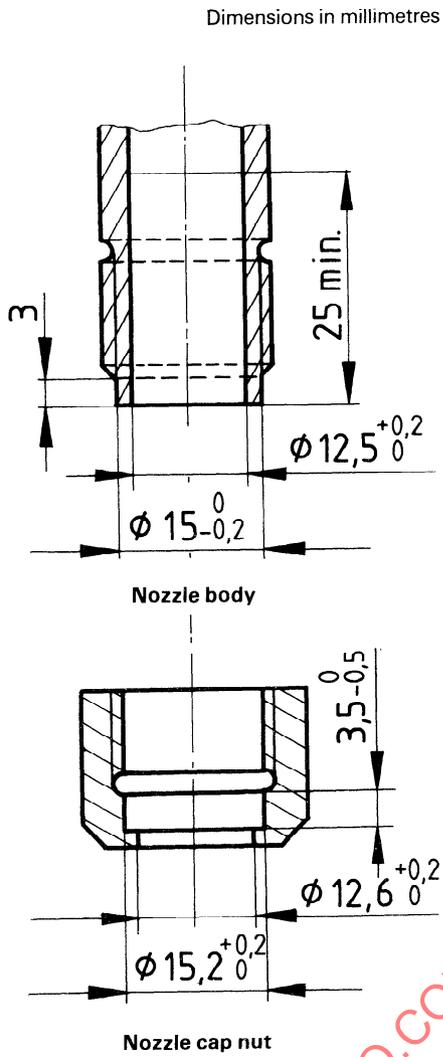


Figure 1 — Connecting dimensions for nozzles

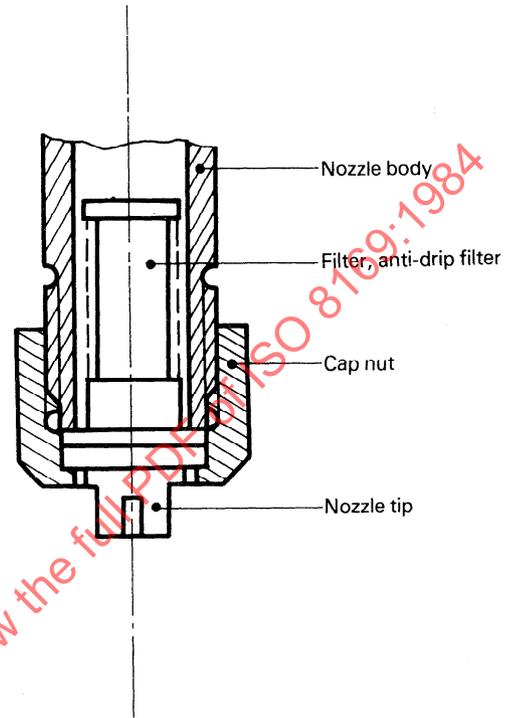


Figure 2 — Example of mounting

4 Main connecting dimensions for manometers

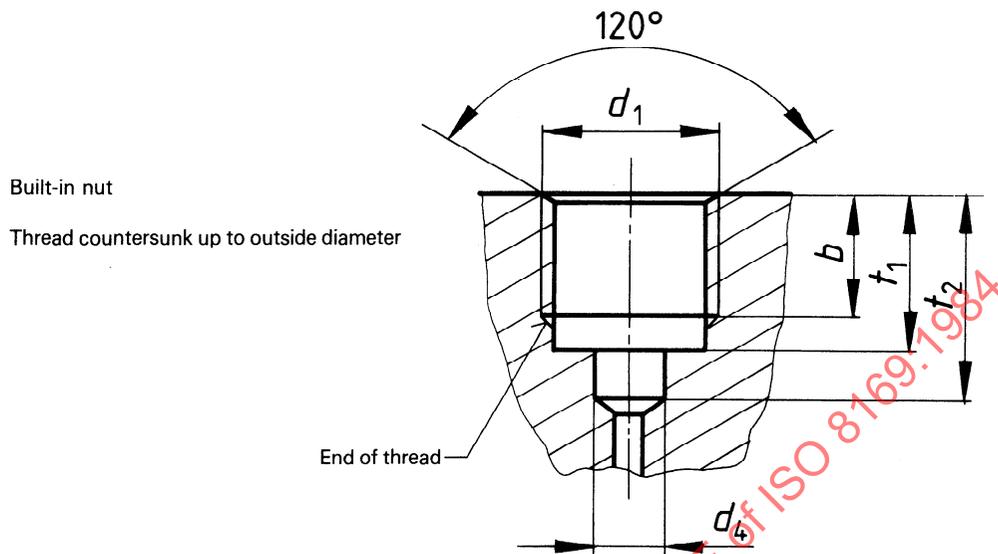


Figure 3 — Dimensions of manometer connections (see table)

Table — Dimensions for built-in nut

Dimensions in millimetres

Thread <sup>1)</sup> $d_1$	$b$ min.	$d_4$ min.	$t_1$ +2 0	$t_2$ min.
M12 × 1,5	6,5	5	10	15
R1/4 (in)	6,5	5	10	15

1) See ISO 4102.

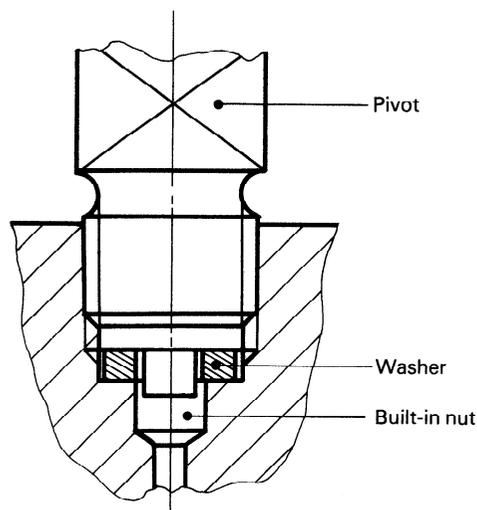


Figure 4 — Example of mounting

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