



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 36258-2018

**Grounds-service connections of aircraft potable water,
toilet-flush water and toilet drain**

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4.3 All fillet radii shall be 1.5 mm (0.059 in) unless otherwise specified.

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the translation method equivalent to ISO 17775.2006 "aircraft ground service to connect drinking water, toilet flushing water and toilet

Excreted.

The documents of our country that have a consistent correspondence with the international documents referenced in this standard are as follows.

---GB/T 131-2006 Product Geometry Technical Specification (GPS) Representation of surface structure in technical product documentation

(ISO 1302.2002, IDT)

---GB/T 1182-2008 Product Geometry Specification (GPS) Geometric Tolerance Shape, Orientation, Position and Runout Tolerance

(ISO 1101.2004, IDT)

This standard has made the following editorial changes.

--- The standard name was changed to "ground joints for aircraft drinking water, toilet water and drainage".

This standard is proposed and managed by the National Aircraft Standardization Technical Committee (SAC/TC435).

This standard was drafted. China Aviation Integrated Technology Research Institute.

1 Scope

This standard specifies the size and material requirements for ground joints for aircraft

drinking water, toilet water and drainage.

This standard applies to the design and manufacture of ground joints (hereinafter referred to as joints) for aircraft drinking water, toilet water and drainage.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

ISO 129-1 Technical drawings - Dimensions and tolerances - Part 1. General guidelines (Technical drawings-Indication

of dimensions and tolerances-Part 1. General principles)

ISO 1101 Product Geometry Specification (GPS) Geometric Tolerance Shape, Orientation, Position, and Runout Tolerance (Geometrical

Product Specifications (GPS)-Geometrical tolerancing-Tolerances of form, orientation, location and

Run-out)

ISO 1302 Product Geometry Specification (GPS) Representation of surface structure in technical product documentation [Geometrical Product

Specifications (GPS)-Indication of surface texture in technical product documentation]

3 size

The dimensions of the joint are shown in Figure 1 and Table 1. All detailed dimensions and tolerances should be common on all aircraft, ground connection

The mouth should match it.

Figure 1 joint structure

Table 1 Dimensions are in millimeters (inches)

system

size

Phid1 phid2 phid3 phid4 l1 l2 l3 l4 l5

drinking water

maximum

23.52

(0.926)

19.61

(0.772)

15.60

(0.614)

19.507

(0.768)

- 7.493

(0.295)

11.252

(0.443)

3.68

(0.145)

1.778

(0.070)

Minimum

23.42

(0.922)

19.51

(0.768)

15.44

(0.608)

18.339

(0.722)

24.765

(0.975)

6.985

(0.275)

10.744

(0.423)

3.43

(0.135)

1.27

(0.050)

Toilet water

maximum

29.87

(1.176)

25.96

(1.022)

21.62

(0.851)

25.959

(1.022)

- 7.493

(0.295)

11.252

(0.443)

3.68

(0.145)

1.778

(0.070)

Minimum

29.77

(1.172)