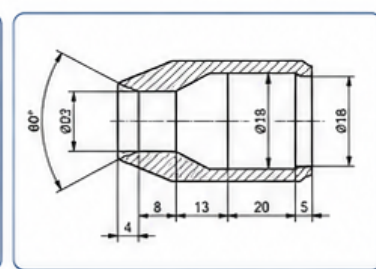


IPX5 IPX6 Test Nozzle

IEC 60529 Precision Water Jet Spray Nozzle Set

A ready-to-use nozzle assembly for controlled IPX5 and IPX6 water jet testing of enclosures, outdoor products, luminaires, appliances and industrial equipment.



Standard
IEC 60529
IPX5 / IPX6 water jet testing



Nozzle Diameters
6.3 mm / 12.5 mm
Dedicated nozzles for
IPX5 and IPX6



Test Distance
2.5 - 3.0 m
Manual use or chamber
integration



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Product URL: <https://www.dgkingpo.com/product/ipx5-ipx6-test-nozzle/>

Product Overview & Key Specifications

Designed for IEC 60529 water jet testing with controlled nozzle diameter, flow rate, test distance and duration.

Overview

The KINGPO IPX5 IPX6 Test Nozzle is used to verify protection against water jets for electrical enclosures, outdoor lighting products, appliances and waterproof products. The set includes dedicated IPX5 and IPX6 nozzles, a spray handle, pressure gauge and flow-control accessories for repeatable testing.

Typical Applications

- Electrical enclosures and control cabinets
- Outdoor luminaires and architectural lighting
- Household appliances and wet-location products
- Third-party certification and quality-control laboratories
- R&D validation before formal waterproof testing

Precision Nozzle Assembly



Stainless steel nozzle body with integrated pressure gauge and spray handle.

Technical Specifications

Item	IPX5	IPX6
Applicable standard	IEC 60529	IEC 60529
Test level	Water jets	Powerful water jets
Nozzle internal diameter	6.3 mm +/- 0.1 mm	12.5 mm +/- 0.1 mm
Water flow rate	12.5 L/min +/- 5%	100 L/min +/- 5%
Test distance	2.5 - 3.0 m	2.5 - 3.0 m
Test duration	>= 1 min/m2, minimum 3 min	>= 1 min/m2, minimum 3 min
Main material	SUS304 stainless steel	SUS304 stainless steel
Configuration	Nozzle, spray handle, pressure gauge, flow meter	Nozzle, spray handle, pressure gauge, flow meter



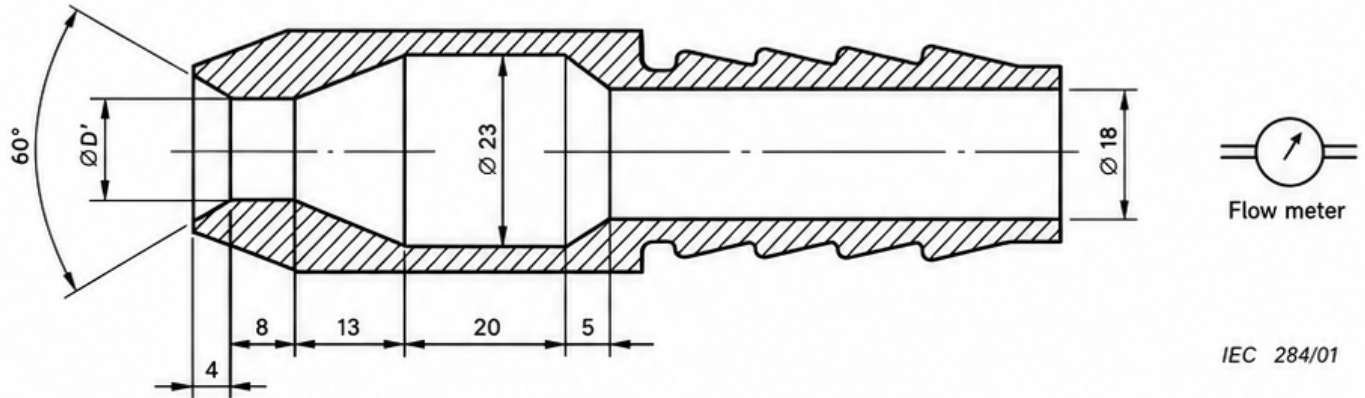
Engineering Note

Flow rate is the key control target for IPX5/IPX6 testing. Pressure can be monitored during adjustment, but operators should confirm the specified flow rate before starting the test.

IEC 60529 Nozzle Geometry & Test Method

The catalog page below combines the IEC 60529 nozzle geometry reference with a practical test workflow for operators.

Nozzle Geometry Reference



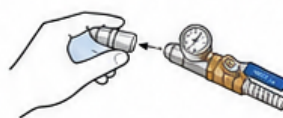
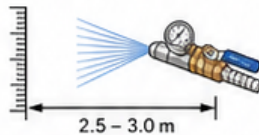
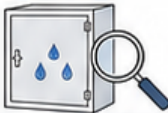
$D' = 6.3$ for the test of 14.2.5 (second characteristic numeral 5)

$D' = 12.5$ for the test of 14.2.6 (second characteristic numeral 6)

Recommended Test Workflow

- 1 Connect the nozzle set to a clean water supply and open the source.
- 2 Select and install the correct nozzle: 6.3 mm for IPX5 or 12.5 mm for IPX6.
- 3 Adjust the flow meter to the required flow rate before testing.
- 4 Position the nozzle 2.5 - 3.0 m from the specimen and spray from all practical directions.
- 5 Maintain spraying for the specified duration, with a minimum of 3 minutes.
- 6 Inspect the specimen and record test observations after completion.

Visual Method Guide

- 1  Connect nozzle set to clean water supply and open the source
- 2  Select and install the correct nozzle (6.3mm or 12.5mm) onto the spray handle
- 3  Adjust the flow meter to the required flow rate
- 4  Position the nozzle 2.5 - 3.0 m from the test specimen and spray from all directions
- 5  Maintain spraying for minimum 3 minutes
- 6  Inspect the specimen for water ingress after testing

i Nozzle diameters: 6.3 mm (IPX5) and 12.5 mm (IPX6) Compliant with IEC 60529: Degrees of protection provided by enclosures (IP Code) 

Configuration, Details & Support

The complete set is intended for quick setup, repeatable water jet testing and traceable project documentation.



Overall View



Angled View



Connector Side



Nozzle Orifice

Package Reference



Supplied Configuration

- Precision-machined IPX5 and IPX6 nozzle set
- Spray handle with flow-rate adjustment support
- Pressure gauge for real-time monitoring
- Flow meter for required test flow confirmation
- User manual and calibration document supplied as configured
- Suitable for handheld testing or chamber integration

Technical Inquiry & Configuration Support

For quotation or configuration confirmation, please share your required test level, specimen size, water supply condition, manual or chamber use, and any thread or connection preference. KingPo can provide recommendations according to the final applicable test standard and laboratory layout.

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