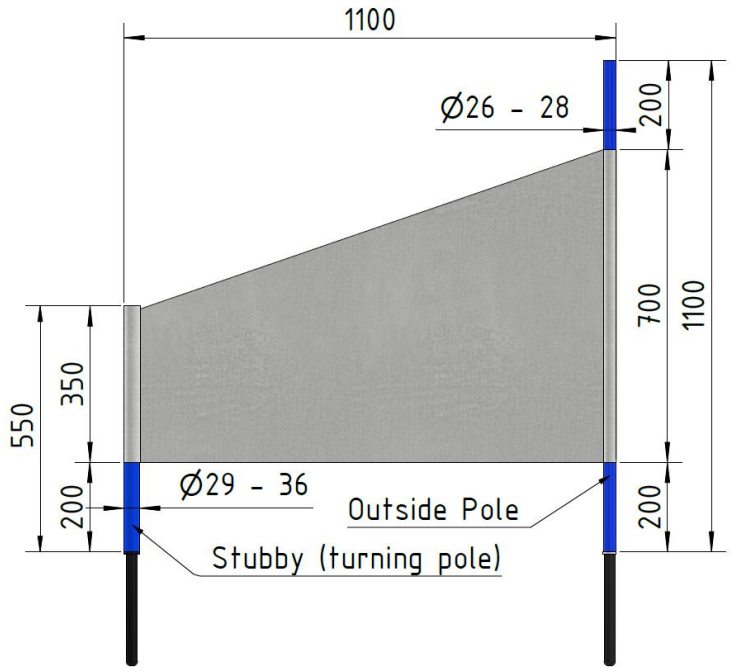
FIS Specifications for Ski Cross Gates, Version 07.10.2025

Due to safety and functional reasons gate panels as from the season 2026/27 must fulfil the requirements listed below.

1. Poles and panel



Ski Cross gates as defined by this specification consist of a stubby (turning pole), an outside pole and a triangular panel. Poles consist of a base shaft as brush base or similar, and an upright pole.

Stubby (turning pole)

Length of the upright pole	550 mm
Diameter of upright pole	29-36 mm

Round, uniform diameter and uniform flexural stiffness of the upright pole are required.

Outside pole

Length of the upright pole	1100 mm
Diameter of upright pole	26-28 mm

Upright pole must have a round, uniform diameter and uniform flexural stiffness.
Upright pole must consist of non-splintering material.

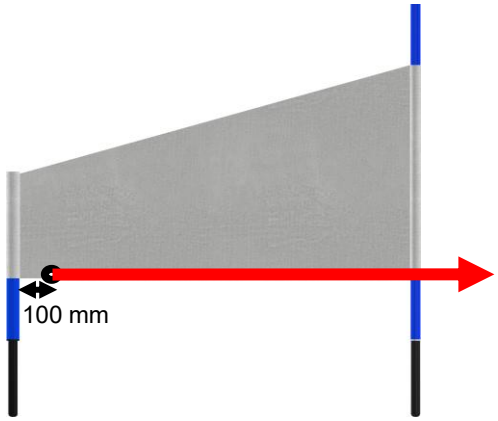
Panel

Base length	1100 mm
Height short side	350 mm
Height long side	700 mm

The panel must be attached 20 cm from the snow surface, which must be ensured by a closed upper end of the panel sleeve at the turning pole (stubby).
Panels shall not be attached to the stubby with rigid, protruding components.
The panel must be made of wind-permeable material.
Advertising prints or banners shall not impair compliance with safety or functional requirements.

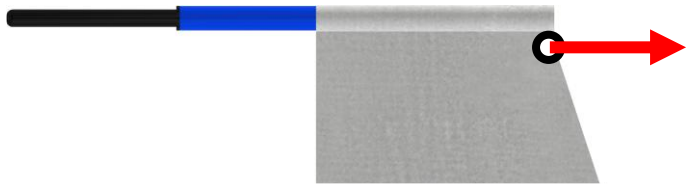
2. Panel Release
The panel must release from the stubby in case of hooking.

Panel Release Test:
The panel is tested with the supplied poles. The testing is conducted at an ambient temperature of -5° C. The point of force application is located at the base of the panel at distance of 100 mm from the stubby with the direction of force applied perpendicular to the stubby along the panel. The withdrawal is performed at a constant speed not exceeding 2 m/s. The test must be repeated three times. In each repetition, the measured withdrawal force shall not exceed 120 N.



3. Panel Retention
The panel must not release from the poles during normal gate approach by skiers.

Panel Retention Test:
The panel is tested with the supplied stubby. The testing is conducted at an ambient temperature of -5° C. The panel must be detached from the outside pole prior to testing. The point of force application is located at the upper end of the panel, immediately adjacent to the sleeve seam, with the direction of force applied along the stubby. The withdrawal is performed at a constant speed not exceeding 2 m/s. The test must be repeated three times. In each repetition, the measured withdrawal force shall be greater than 40 N.



4. Documentation
Certified panels must have an imprint or an insert documenting the manufacturer and the year of homologation. Additionally, panel imprints or inserts must clearly identify the related stubby (manufacturer and year of homologation).
Certified stubbies must have an imprint documenting the manufacturer and the year of homologation.

5. Validity
FIS homologation applies only to the complete gate system consisting of poles and panel. The gate homologation remains valid, provided that no technical modifications are implemented and no new panel specifications are introduced. A list of homologated gates is published on the FIS homepage.