INSTALLATION GUIDE

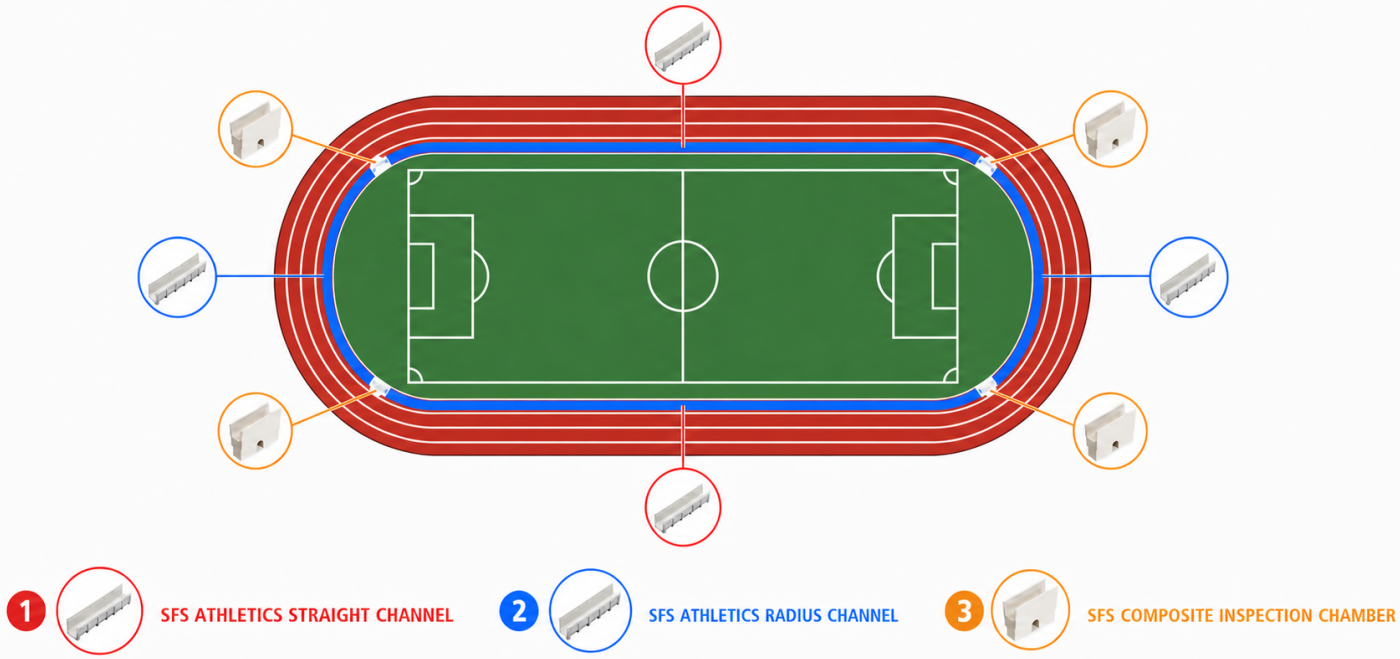
SFS Athletics Straight Channel

SKU: SFS-ATH-STR



ATHLETICS TRACK SYSTEM LAYOUT

Integrated placement of straight channels, bend lines and four corner inspection chambers.



Field markings remain inside the drainage line. Inspection chambers are positioned only at the four transition corners.

INSTALLATION STEPS
SFS Athletics Straight Channel



1 Trench Preparation
Excavate trench to required depth. Compact base to min. C20/25 concrete bedding 100 mm. Ensure min. 0.5% slope towards the outlet point.

2 Channel Placement
Place channel bodies end-to-end. Align using a string line. Confirm invert levels match drainage design before fixing.

3 Jointing & Haunching
Haunch both sides with C20/25 concrete (min. 150 mm). Do not backfill until haunching has cured.

4 Cover Installation
Fit the specified middle or top cover after the track surface coating is applied. Confirm cover sits flush with the finished track surface.

5 Final Inspection
Check cover seating along the full line. Clear any debris before the track surface is closed. Verify the outlet connection is clean and unobstructed.

MATERIAL PROPERTIES

Frost Resistance -50°C	**Heat Resistance** 100°C

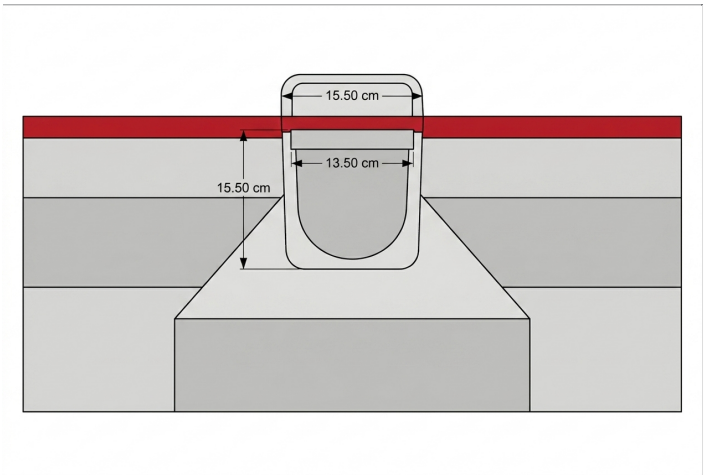
IMPORTANT NOTES

› Verify product against technical drawing before installation.
› Ensure adequate concrete bedding throughout channel run.
› Achieve correct drainage gradient (min. 0.5%).
› Apply waterproof mastic at all connection joints.
› Align covers flush with finished track surface level.
› Check all fixing screws before track surface loading.

EXAMPLE INSTALLATIONS

Example Installations

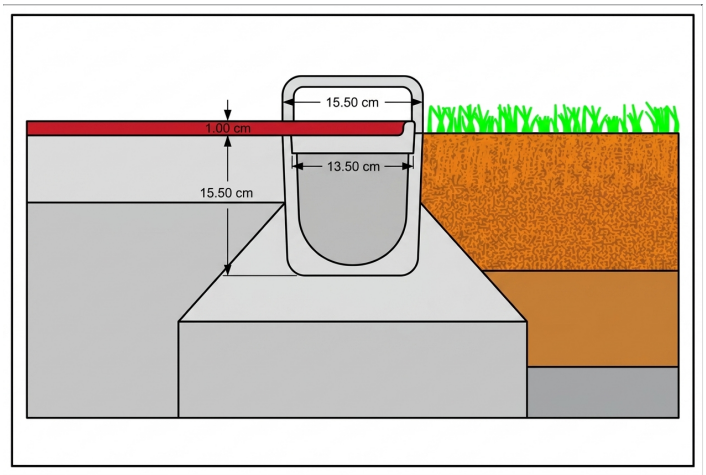
SFS Drain manufactures fully composite drainage systems for standard 400 m athletics tracks. The cross sections below show typical installation layouts for the SFS channel and inspection chamber components.



SFS DRAIN

Channel Installation - Track Level

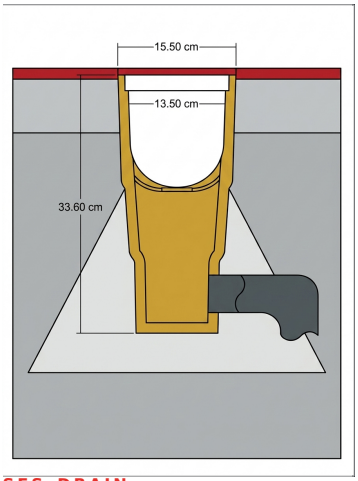
- Composite drainage channel
- Flush with track surface



SFS DRAIN

Channel Installation - Field Edge

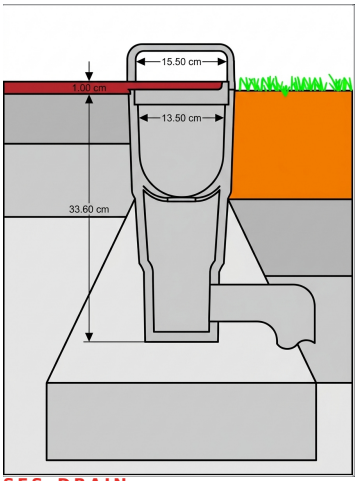
- Composite drainage channel
- D-sector layout



SFS DRAIN

Inspection Chamber Installation - Track Level

- Composite inspection chamber
- Underground pipe connection



SFS DRAIN

Inspection Chamber Installation - Field Edge

- Composite inspection chamber
- D-sector layout