INSTALLATION GUIDE

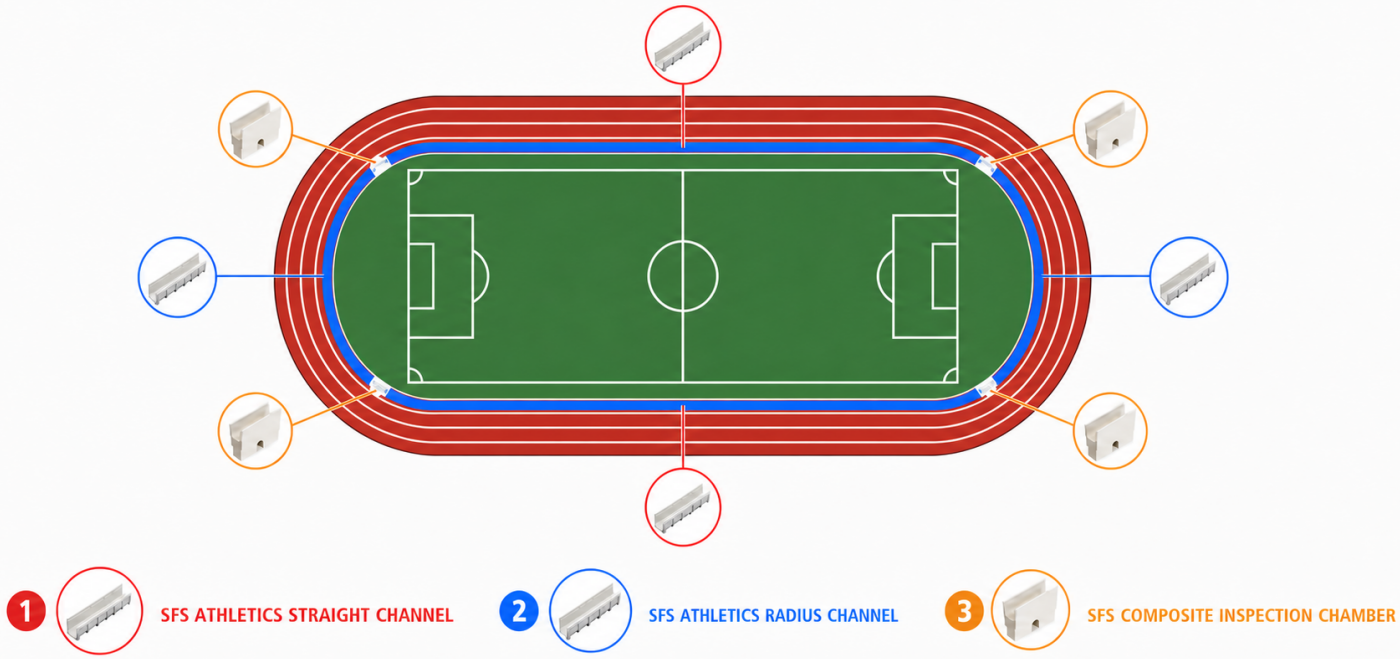
SFS Athletics Radius Channel

SKU: SFS-ATH-RAD



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 Radius Channel



1	**Trench Preparation**	Excavate trench following the track curve geometry. Compact base to min. C20/25 concrete 100 mm. Check the design radius (R = 36.5 m) before starting.
2	**Channel Placement**	Place radius channel bodies following the curve. Each unit is factory-formed to R = 36.5 m. Align using the track inner edge as reference.
3	**Jointing & Haunching**	Haunch both sides C20/25 concrete (min. 150 mm). Allow to cure before backfilling.
4	**Cover Installation**	Fit the radius-specific cover after track surface application. Confirm flush seating with the finished surface along the full curve.
5	**Final Inspection**	Inspect full curve for cover alignment and joint continuity. Verify outlet connection. Clear debris before track surface is closed.

MATERIAL PROPERTIES

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

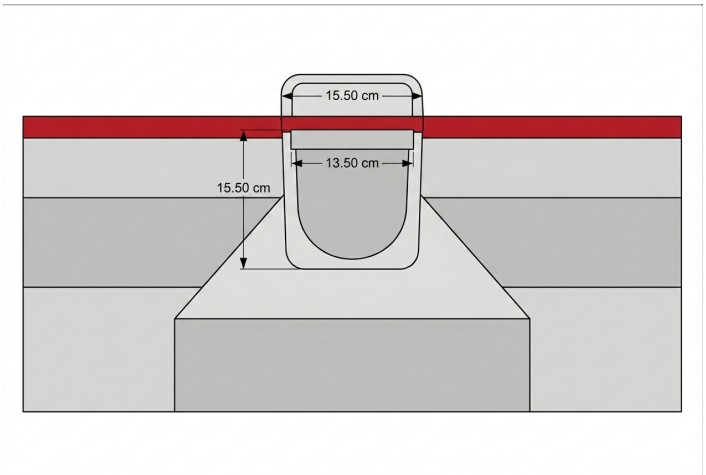
IMPORTANT NOTES

› 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

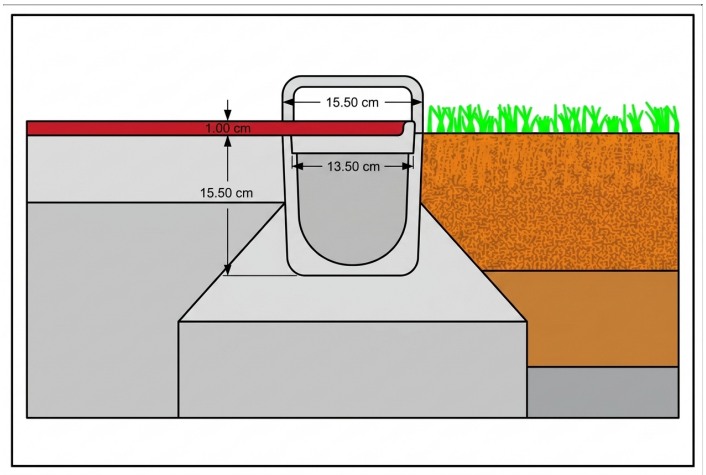
SFS Drain manufactures fully composite drainage systems for standard 400 m athletics tracks. The cross sections below show typical installation layouts for the SFS channel and inspection chamber components.



SFS DRAIN

Channel Installation - Track Level

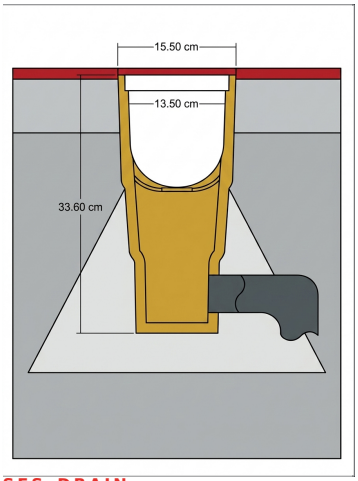
- Composite drainage channel
- Flush with track surface



SFS DRAIN

Channel Installation - Field Edge

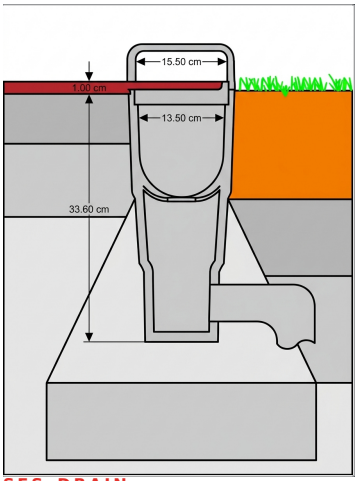
- Composite drainage channel
- D-sector layout



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