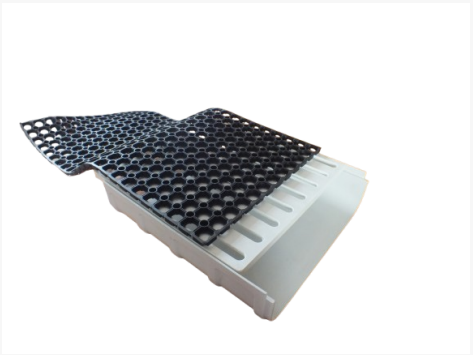
SAND TRAP DRAINAGE CHANNEL

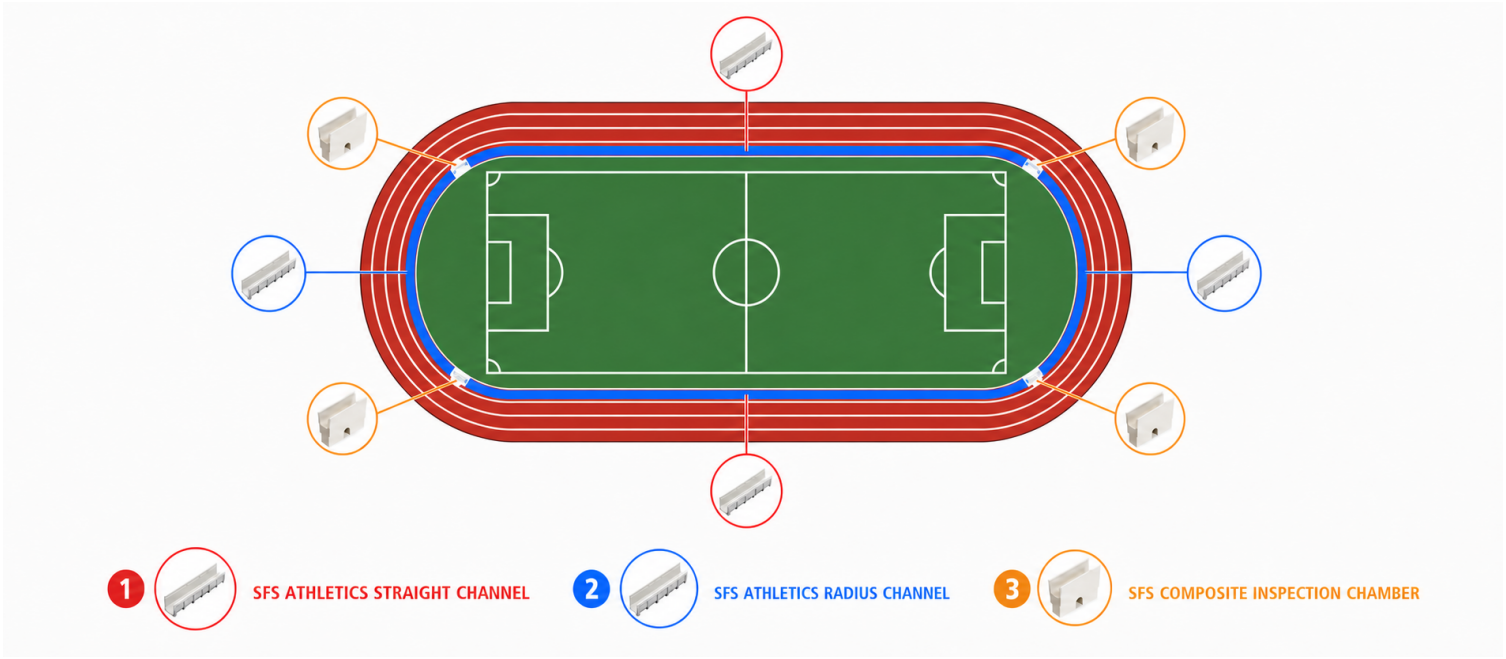
SFS Sand Trap Channel

SKU: SFS-SAND-TRAP



Composite drainage and sand catching system developed for the edges of long jump and triple jump sand pits. While clarifying the separation between the synthetic surface and the sand pit, it traps splashed sand in its special chamber, preventing the main drainage line from clogging. With its removable composite superstructure, sand removal and cleaning are highly practical.

MATERIAL
COMPOSITE
INTERNAL WIDTH
Sand pit edge
CERTIFICATION
World Athletics Approved



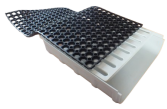
400m	NW 125	COMPOSITE	WORLD ATHLETICS
STANDARD TRACK	INTERNAL WIDTH	MATERIAL	APPROVED

KEY PRODUCT FEATURES

- ✓ World Athletics Approved
- ✓ Composite material
- ✓ NW 125 internal width
- ✓ 1000 mm unit length

SYSTEM OVERVIEW

The SFS Athletics Drainage System is an integrated water management solution designed for standard 400 m athletics tracks. Straight channel, radius channel, covers and inspection chamber components work together to efficiently remove surface water from the track.



PRODUCT

PRODUCT	VALUE
SKU	**SFS-SAND-TRAP**
CATEGORY	Sand Trap Drainage Channel
MATERIAL	COMPOSITE
INTERNAL WIDTH	Sand pit edge
DRAINAGE ROLE	Project based
UNIT DIMENSIONS	Length 1000 mm · Width 160 mm · Height 200 mm
UNIT WEIGHT	4.1 kg / unit (channel) · 3.85 kg (grate) · 2.3 kg (mat)
WORKING TEMP.	-30°C / +80°C
SURFACE FINISH	UV-stable composite
STANDARD	EN 1433 / World Athletics TR
CERTIFICATION	World Athletics Approved

AREAS OF APPLICATION

- Long jump and triple jump sand pit edge drainage
- High jump landing area perimeter where sand and water control is needed
- Any sand pit edge requiring combined drainage and sand retention
- Used with removable grate or side cover depending on the project detail

TECHNICAL DRAWING FILES (DXF)

DRAWING	FILE NAME
Sand Trap Channel	*sfs-sand-trap-channel.dxf*
Sand Trap Grate	*sfs-sand-trap-grate.dxf*
Sand Trap Side Cover	*sfs-sand-trap-side-cover.dxf*

Download DXF files from the product page at sfsdrain.com

MATERIAL PROPERTIES

PROPERTY	VALUE
Density	2.1 - 2.3 g/cm³
Heat Resistance	100°C (continuous load)
Frost Resistance	-50°C
Water Penetration	0 mm
Water Absorption	0.05%

COMPLEMENTARY PRODUCTS



SFS Athletics Straight Channel
SFS-ATH-STR



SFS Composite Inspection Chamber
SFS-ROGAR



SFS Soft-Head Kerb
SFS-KERB-SOFT

INSTALLATION OVERVIEW

#	STEP	DESCRIPTION
01	**Position Planning**	Place the channel at the sand pit edge as shown in the drawing. The channel top must be flush with or slightly above the sand pit level.
02	**Trench Preparation**	Excavate trench to required depth. Compact base with C20/25 concrete min. 100 mm. Ensure drainage slope towards the outlet point.
03	**Channel Placement**	Place channel units end-to-end. Align carefully with the sand pit edge. Confirm invert levels before haunching.
04	**Grade & Cover Fitting**	Fit the sand trap grate or side cover as specified. The removable grate allows easy cleaning to remove accumulated sand.
05	**Final Inspection**	Confirm grate is seated and can be removed for maintenance. Check outlet connection. Verify channel is clear before closing the pit.

IMPORTANT NOTES & REQUIREMENTS

› Do not backfill until concrete haunching has cured (min. 24 h).
› Cover type must match the surface coating thickness.
› Minimum slope: 0.5% towards the outlet connection.
› All drainage connections must be watertight.
› Install in conformance with World Athletics Technical Regulations.
› Refer to the installation diagram pages that follow.

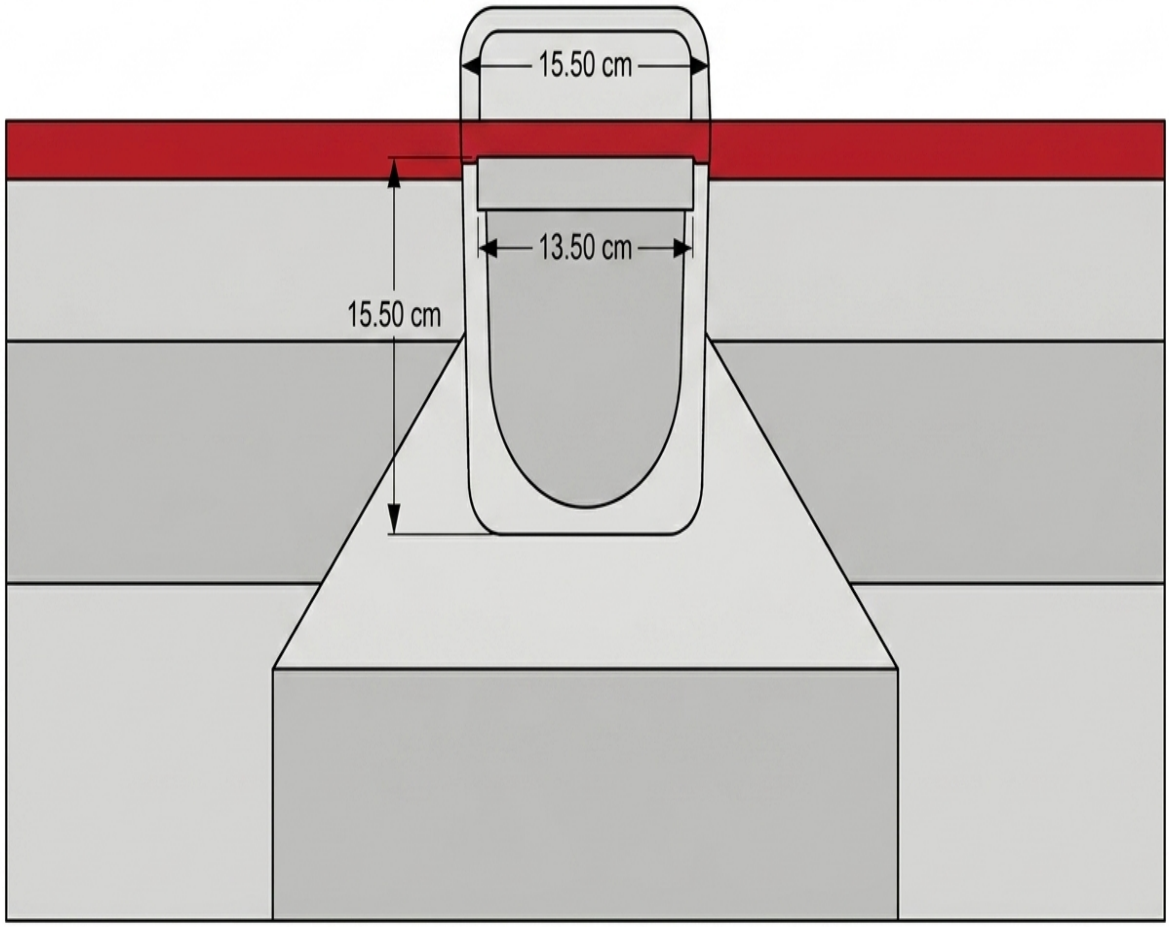
SFS MÜHENDİSLİK
SFS DRAIN
ATHLETICS TRACK DRAINAGE SOLUTIONS
World Athletics approved composite drainage systems.
Reliable water management for athletics tracks.

WEBSITE
sfsdrain.com
E-MAIL
info@sfsdrain.com
CERTIFICATION
World Athletics Approved

This document is for technical reference only. Specifications subject to change without notice. For project-specific guidance, contact SFS Drain engineering.

INSTALLATION DIAGRAM 1 / 1

Sand Trap Channel Installation - Cross Section



Sand trap channel at long jump pit edge. Channel top flush with sand pit level. Removable grate allows sand cleaning.