

ANRIN

LEADING WATER



Construction of
sports facilities

Drainage and edging of sports
facilities

ANRIN SPORT
CONSTRUCTION ELEMENTS

EXPERIENCE

With five decades of experience, we are dedicated to developing the best solutions for efficient and reliable water drainage, preventing flooding and water accumulation. Continuous advancements have resulted in a long service life and minimized maintenance requirements.

ATHLETICS

We are always striving to maximize the potential of our products—that is our approach to excellence. We rely on innovative ideas in development and high-quality materials in production to ensure our products withstand all external challenges and guarantee effective functionality. From athletes, for athletes.

TEAM SPIRIT

We see ourselves as team players, committed to providing you with the best possible advice to make your project a success. You will receive detailed product information, technical data sheets, and installation instructions to ensure the seamless integration of all components. If you have any questions or encounter any issues, our customer service team is always available to offer support and find solutions.



QUALITY POLYMER CONCRETE

In our element.

We deliver the highest standards of performance and quality.
The foundation – Polymer Concrete

This material, composed of naturally occurring mineral quartz and resin, is distinguished by its structural and environmental benefits. Compared to conventional cement-bound materials, resin concrete offers significantly lighter unit weights, making it easier to handle. By processing the material on-site, time and money are saved.

The high quality of the individual components, along with the closed material matrix, makes ANRIN resin concrete watertight and highly resistant to corrosion and a wide range of substances. As a result, surfaces can be designed to effectively drain rainwater, while reliably protecting groundwater from environmental pollution.



SUSTAINABILITY

As a family-run company, ANRIN has been actively committed to environmentally friendly business practices for many years. Our guiding principle, LEADING WATER, reflects our corporate philosophy of striving to act in a sustainable, future-oriented, and cross-generational manner.

Environmental management is a key component of our sustainability efforts and an essential tool for operational environmental protection. Consequently, achieving DIN EN ISO 14001 certification was a natural progression following the foundation of DIN EN ISO 9001. Our goals include:

- Reducing CO2 emissions
- Upholding responsibility towards the environment and society
- Conserving resources
- Ensuring future viability
- Contributing to environmental stewardship
- Bridging society, the economy, and the environment

True to our guiding principle of LEADING WATER, we not only confront the major challenges ahead but also embrace the opportunities that sustainable actions bring to our company, our employees, and our environment.



INNOVATION

Proof of conformity

All ANRIN SPORT construction elements comply with the requirements of the IAAF (International Association of Athletics Federations) for the construction of tracks and playing fields. The products manufactured by ANRIN fully adhere to the specifications outlined in the IAAF Manual, Chapter 3: Construction of the Track and Playing Field, specifically Section 3.5.3: Surface Drainage Requirements and Construction.

Evidence of suitability

All ANRIN SPORT construction elements comply with the requirements of DIN 18035 Sport fields / drainage.

Innovation

For 50 years, ANRIN has been innovatively, competently, and successfully dedicated to drainage technology for sports field construction. Pioneering systems, such as the screwless artificial turf clamping mechanism, were introduced and continuously improved by ANRIN. The ANRIN SPORT product range is completed by solutions for arena drainage, track delimitation, and edging of shot enclosures and jump pits.

Numerous national and international sporting facilities are already equipped with ANRIN SPORT construction elements, showcasing the expertise that designers, dealers, and contractors can rely on.

Service and consulting

At ANRIN, we work closely with architects, engineers and planners to develop customised solutions for specific projects. We endeavour to meet the ever-increasing demands of modern infrastructure and offer innovative drainage solutions that integrate seamlessly into the design and aesthetics of the environment.

Construction elements

- 11 Drainage system
NW 125 type A/B/E/F
- 13 Drainage system
NW 125 type C1/C.2/C.3/C.4
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- 17 Drainage system
Tray channel H7
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ANRIN SPORT Drainage system 125

For drainage of arenas with elevated turf playing fields, open channels with upturn on one side are used. In the segment area, open channels without upturn are used, because the track and segments are normally on the same level. According to DIN 18035 and the international track and field regulations, the track must have a delimitation on the inside that is at least 5 cm wide and 5 cm high. The resin concrete channel body and PE-HD plastic cover combine for an advantageous combination of drainage and track delimitation in the ANRIN SPORT Drainage System NW 125.

Channel 125 (E/F)

with upturn on one side
straight / curved (R = 36.5 m)



Channel 125 (E/F)

Channel 125 (A/B)

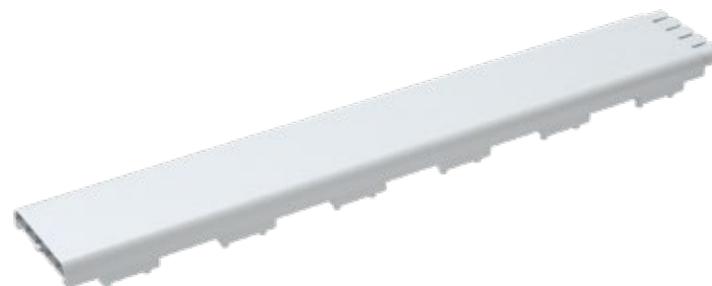
without upturn on one side
straight / curved (R = 36.5 m)



Channel 125 (A/B)

Plastic cover

PE-HD, white
straight/ curved (R = 36.5 m)



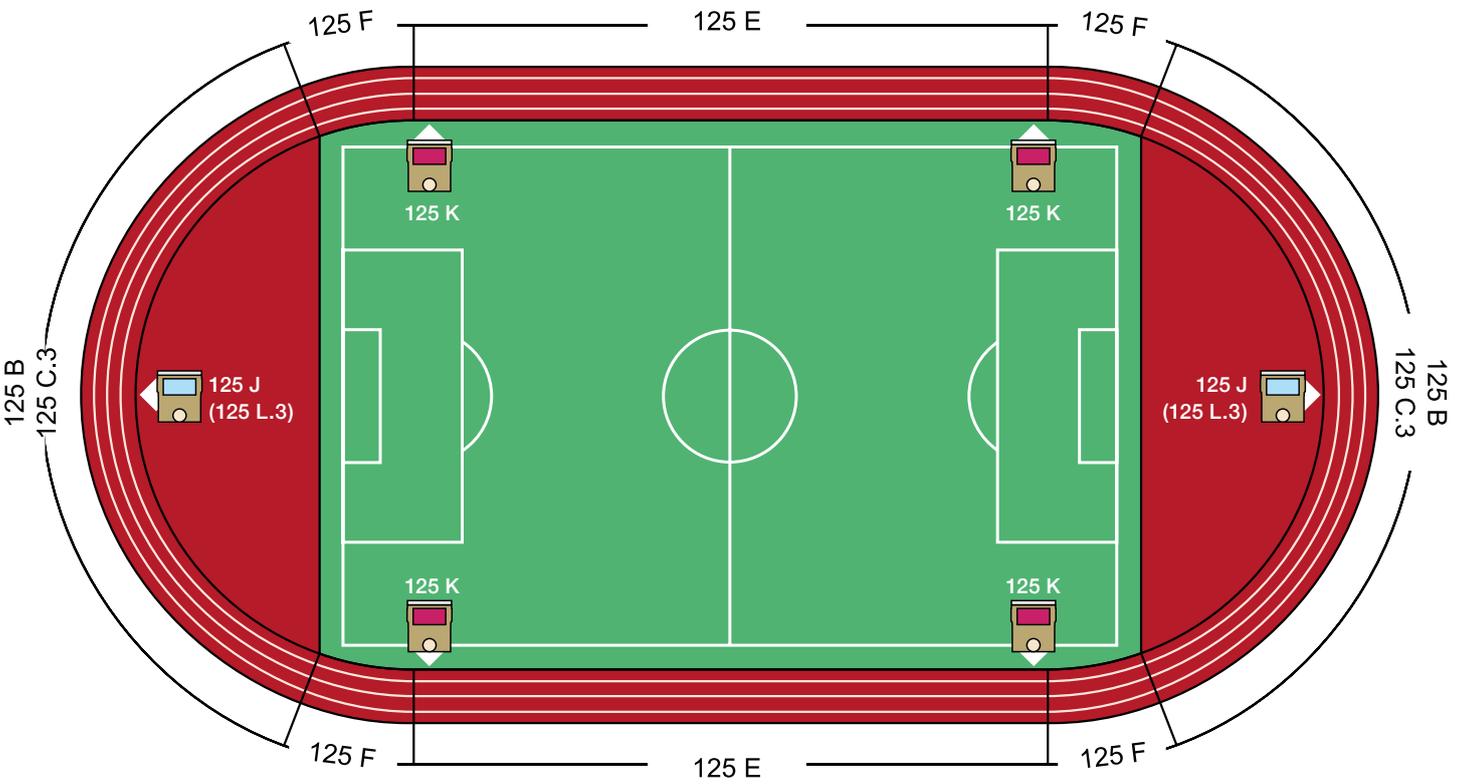
Installation instructions
page 29

Specification	125 A/B	125 E/F	Sump unit	Cover
Material	Resin concrete	Resin concrete	Resin concrete	PE-HD
Length	100 cm	100 cm	50 cm	100 cm
Width	16.0 cm	17.5 cm	16.0 - 17.5 cm	16.0 cm
Height	20.0 cm	24.0 cm	58.5 - 62.5 cm	5.0 cm
Weight	16.0 kg	18.0 kg	29.0 - 29.6 kg	



Areas of application

- Arenas with raised playing field and / or segments
- Tracks with raised auxiliary surfaces



 Sump unit with upturn 4 cm

 Sump unit without upturn 4 cm

ANRIN SPORT Drainage system 125

For the increasing number of arenas with equal-level playing fields, the ANRIN SPORT drainage system NW125 slotted channel was developed. This system guarantees a high degree of variability in relation to various facility areas. The avoidance of tripping edges increases the convenience of use and simplifies care. In order to conform with the regulations of the international track and field association, it is sufficient, when necessary (e.g. in the event of a competition), to provide the channel bodies along the inside of the track with a mobile edge rail or plastic cover.

Channel 125 C.1/C.2

Top side with claw grooves, for Insitu-coverings

coatable on one side
straight/ curved (R=36,5m)



Channel 125 C.1-C.2

Channel 125 C.3/C.4

Top side with claw grooves, for Insitu-coverings

coatable on both sides
straight/ curved (R=36,5m)



Channel 125 C.3-C.4

Plastic cover

PE-HD, white
straight/ curved (R = 36.5 m)

Installation instructions
page 29



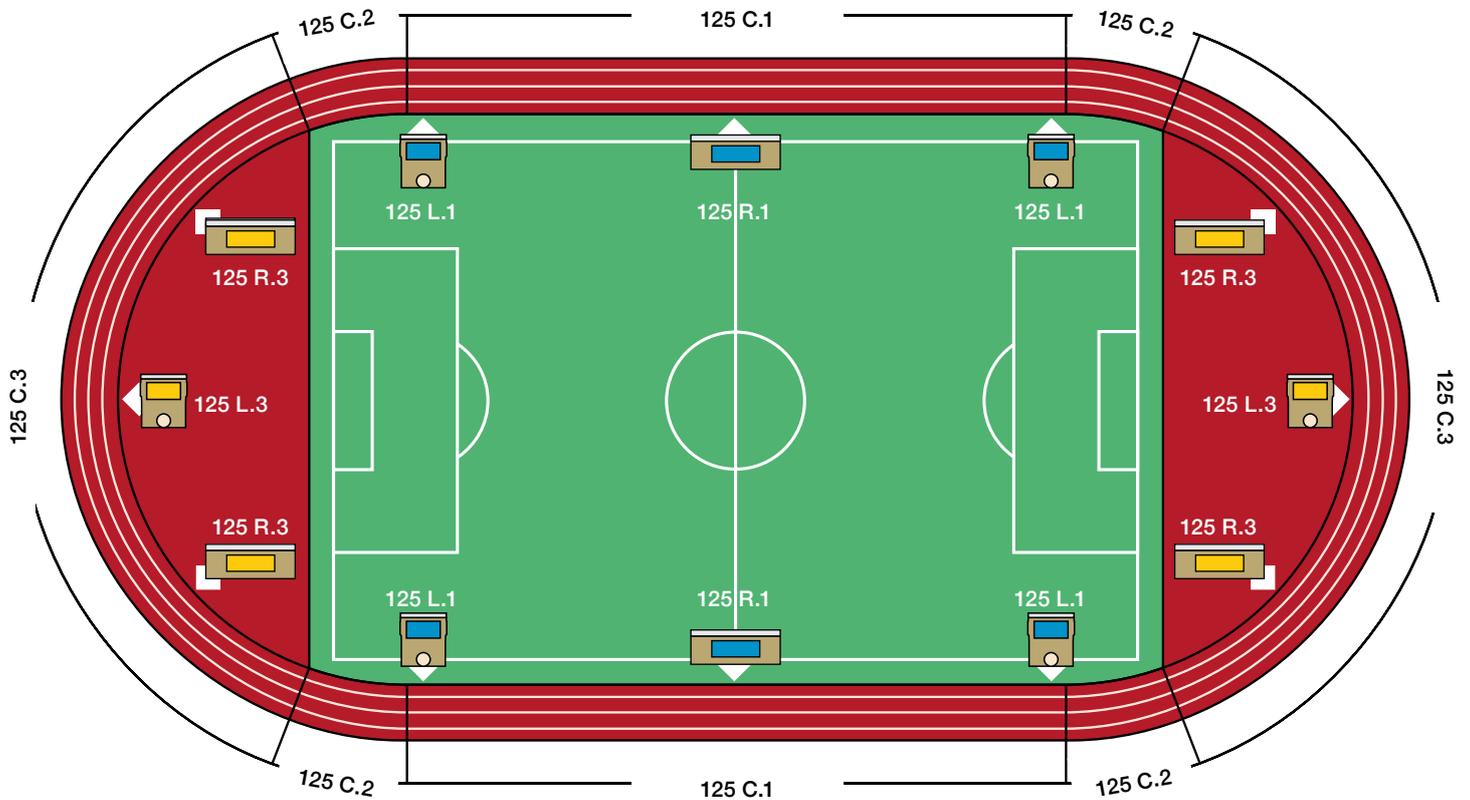
Specification	125 C.1 - C.4	125 R.1 - R.4	Sump unit	Cover
Material	Resin concrete	Resin concrete	Resin concrete	PE-HD
Length	100 cm	100 cm	50 cm	100 cm
Width	16.0 cm	16.0 cm	16.0 cm	16.0 cm
Height	18.7 - 20.0 cm	18.7 - 20,0 cm	63.5 cm	5.0 cm
Weight	22.5 - 25.0 kg	24,0 - 29.0 kg	29.9 kg	



Areas of application

Arenas with equal level of playing field, track and / or segments

German armed forces sports facilities



 Sump unit with cover coatable on one side

 Channel with inspection opening coatable on one side

 Sump unit with cover coatable on both sides

 Channel with inspection opening coatable on both sides

ANRIN SPORT Drainage system 125

For the increasing number of arenas with equal-level playing fields, the ANRIN SPORT drainage system NW125 slotted channel was developed. This system guarantees a high degree of variability in relation to various facility areas. The avoidance of tripping edges increases the convenience of use and simplifies care. In order to conform with the regulations of the international track and field association, it is sufficient, when necessary (e.g. in the event of a competition), to provide the channel bodies along the inside of the track with a mobile edge rail or plastic cover.

Channel 125 C.5/ C.6

Level top side
for covering with track material

one side coatable
straight/ curved (R=36.5m)



Channel 125 C.5-C.6

Channel 125 C.7/ C.8

Level top side
for covering with track material

both sides coatable
straight/ curved (R=36.5m)

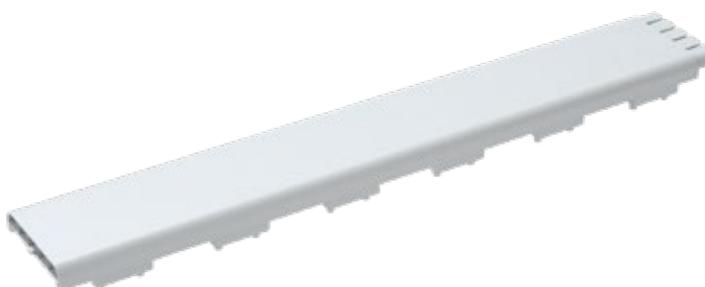


Channel 125 C.7-C.8

Plastic cover

PE-HD, white
straight/ curved (R = 36.5 m)

Installation instructions
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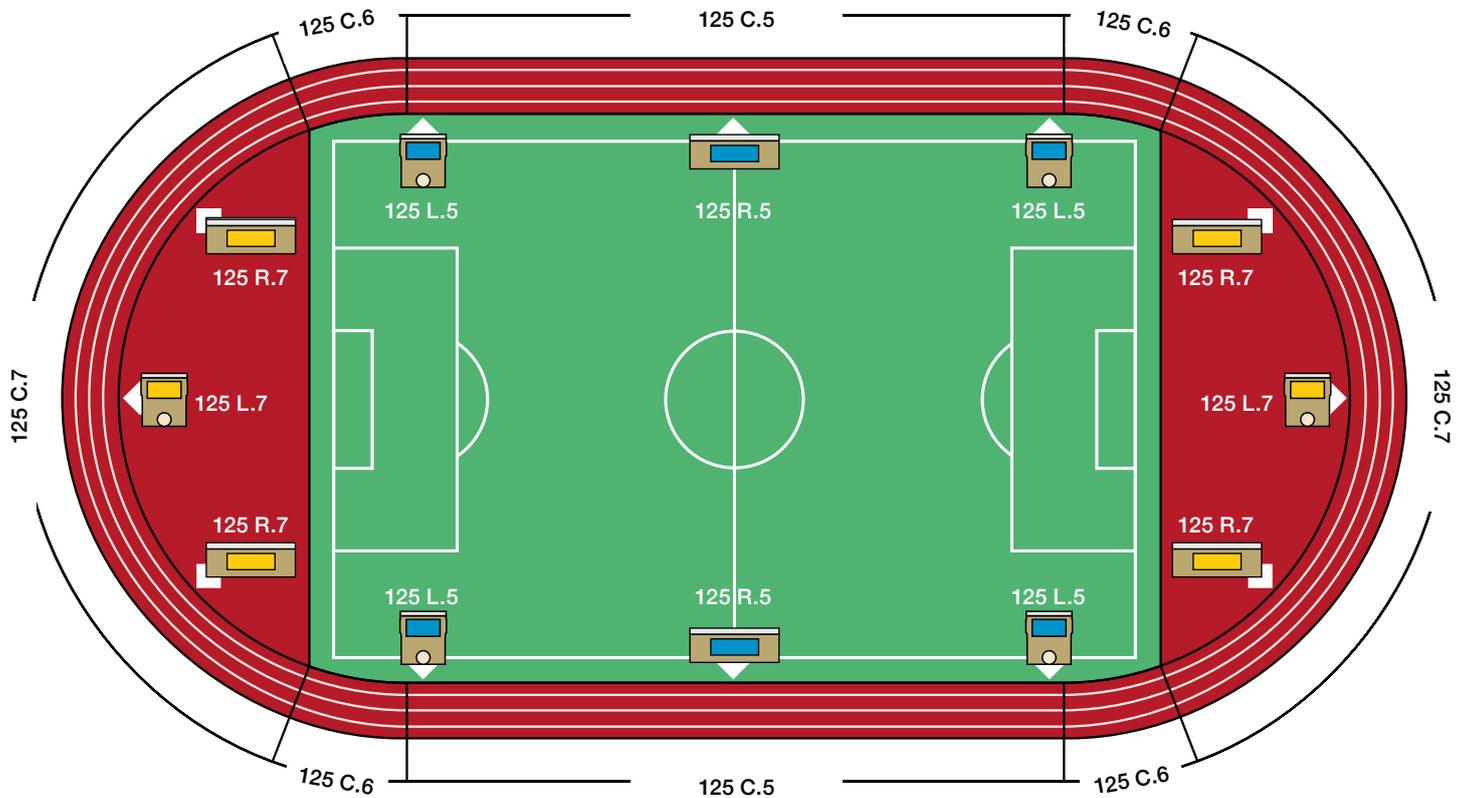
Specification	125 C.5 - C.8	125 R.5 - R.8	Sump unit	Cover
Material	Resin concrete	Resin concrete	Resin concrete	PE-HD
Length	100 cm	100 cm	50 cm	100 cm
Width	16.0 cm	16.0 cm	16.0 cm	16.0 cm
Height	18.7 - 20.0 cm	18.7 - 20.0 cm	63.5 cm	5.0 cm
Weight	22.5 - 25.0 kg	24.0 - 29.0 kg	29.9 kg	



Areas of application

Arenas with equal level of playing field, track and / or segments

German armed forces sports facilities



 Sump unit with cover coatable on one side

 Channel with inspection opening coatable on one side

 Sump unit with cover coatable on both sides

 Channel with inspection opening coatable on both sides

ANRIN SPORT Drainage system Tray channel

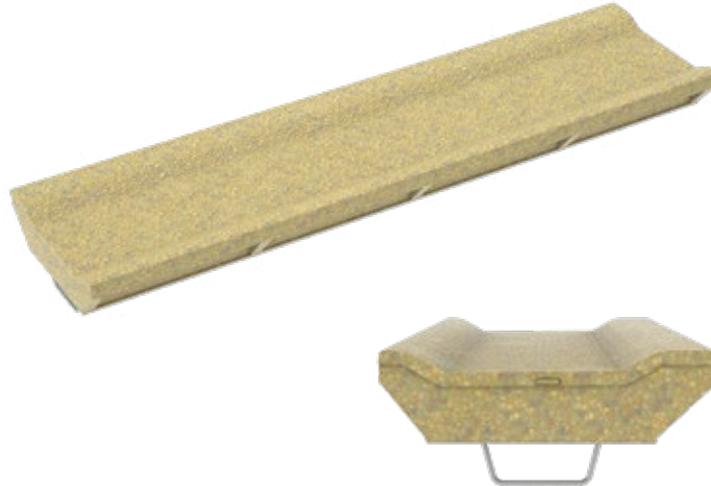
for draining running tracks and sports fields.

ANRIN SPORT tray channels, made of polymer concrete with a flat and open cross-section, are an intelligent alternative for draining sports facilities with unattached surfaces. These channels, designed without a cover for easy cleaning, provide a safe and clean solution as playing field delimiters due to their optimized height-to-width ratio. Each channel is equipped with two bracket anchors that ensure a stable connection to the subsurface.

Installation is carried out in a concrete bed measuring 15x35 cm, with expansion joints placed every 20 meters.

Tray channel H7,
with 2 bracket anchors

straight/ curved
(R=36.5m)



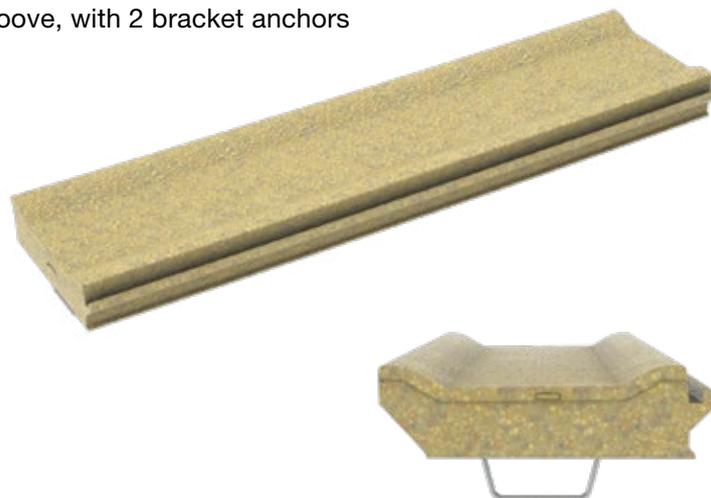
Tray channel

ANRIN SPORT Drainage system Tray Channel with claw groove

for draining running tracks and sports fields with artificial coating.

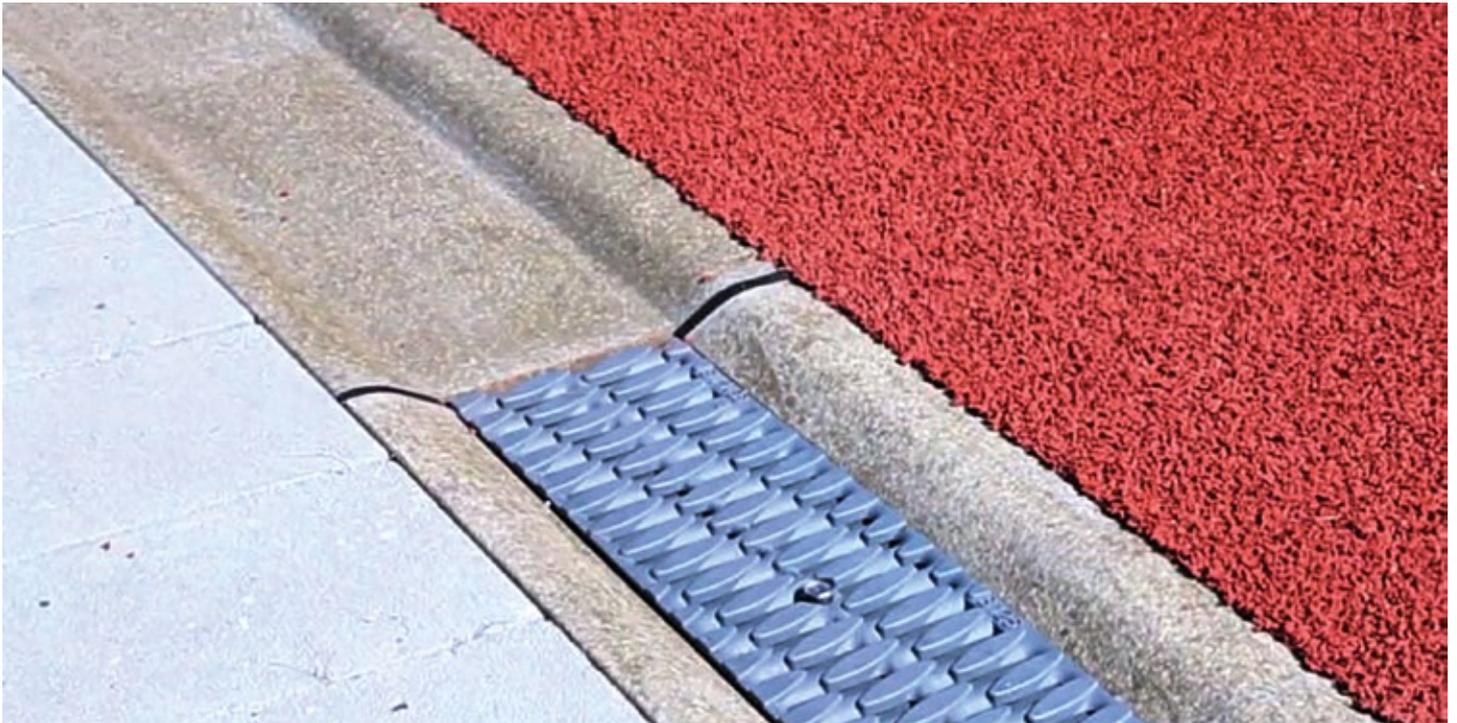
Tray channel H7 with claw groove, with 2 bracket anchors

straight/ curved (R=36.5m)



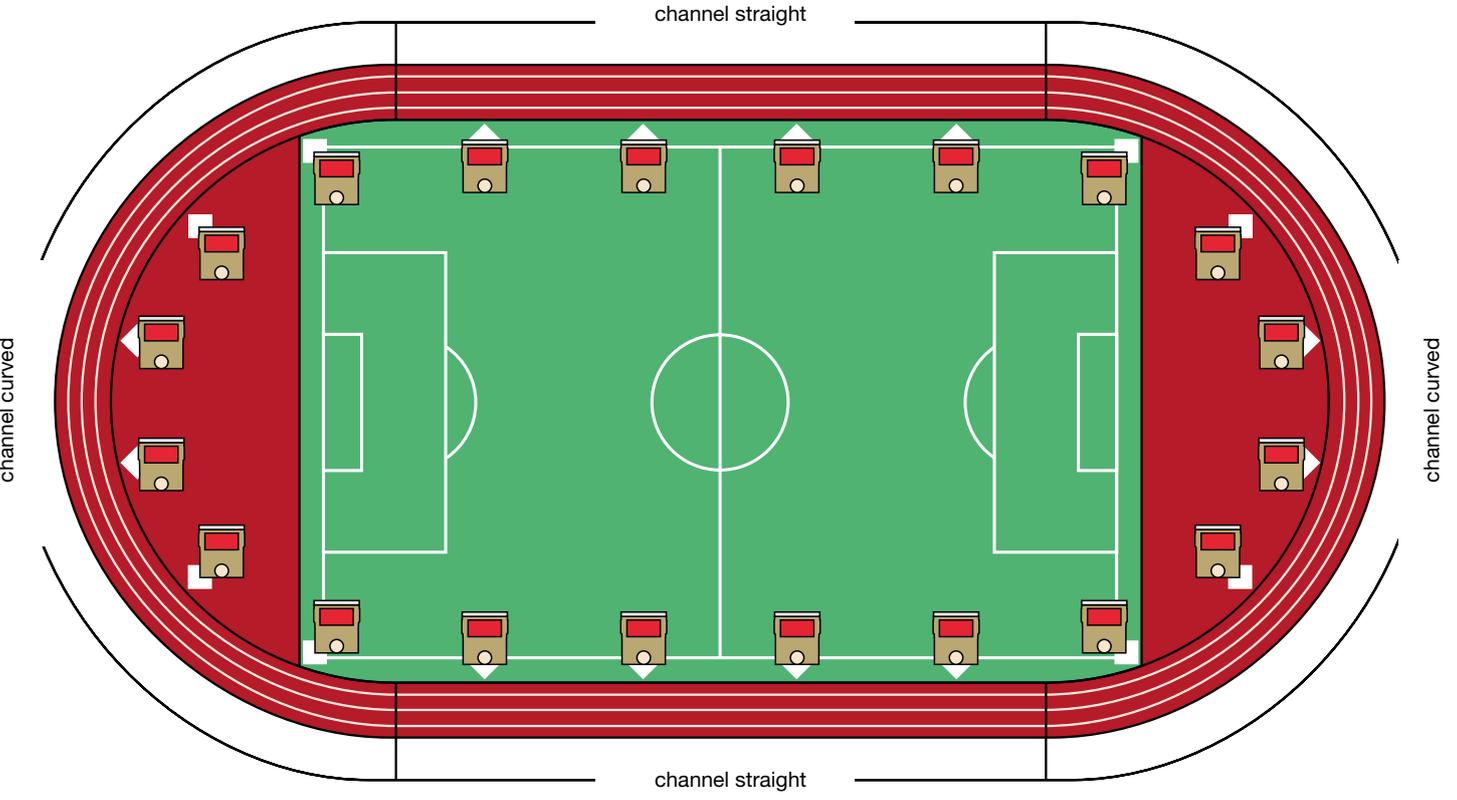
with claw groove

Specification	Tray channel	Sump unit
Material	resin concrete	resin concrete
Length	100 cm	50 cm
Width	25.0 cm	25.0 cm
Height	7.0 cm	37.5 cm
Weight	19.0 kg	22.0 kg



Areas of application

- Arenas with playing field on equal level
- Playing fields and sport surfaces with turf / synthetic covering combination
- Sand or granulate-filled artificial turf fields



Sump unit for tray channel

ANRIN SPORT Turf Edge Plate

The ANRIN SPORT turf edge plate, made of resin concrete, is specifically designed for the exterior enclosure of tracks in arenas. The one-sided claw groove allows for precise handling of the synthetic surface. For a straightforward and clean installation, the ends are equipped with a tongue-and-groove system. The profiled underside of the turf edge plate, along with four symmetrically arranged bracket anchors, ensures a durable and frost-resistant connection to the strip foundation.

Turf edge plate, with 4 bracket anchors

straight/ curved (R= 44.1 m)



Turf edge plate

Specification	Turf edge plate, straight	Turf edge plate, curved R = 44.1 m
Material	Polymerbeton	Polymerbeton
Length	100 cm	100 cm
Width	25.0 cm	25.0 cm
Height	6.5 cm	6.5 cm
Weight	19.0 kg	19.5 kg

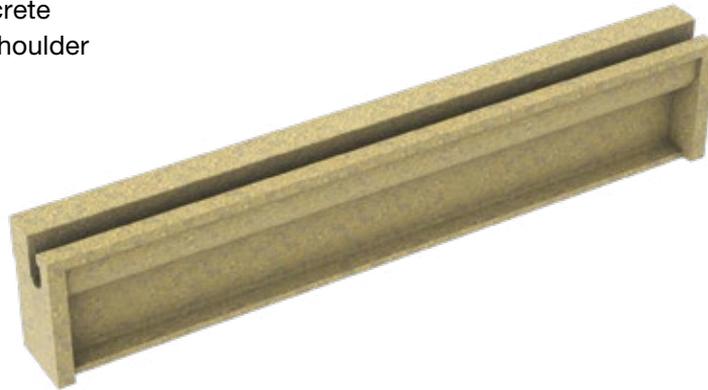


ANRIN SPORT Clamp Stone and Clamp Rail

The ANRIN SPORT clamp stone, made of polymer concrete, and the ANRIN SPORT clamp rail, made of galvanized steel, offer two highly functional and easy-to-install clamping systems for edging traditionally installed synthetic turf. In this process, the synthetic turf is aligned with the corresponding gripper rail in the clamping slot and secured by driving in the synthetic wedge. The clamp stone and clamp rail can be combined with pavers, edge plates, and drainage channels. Installation is carried out on a concrete foundation.

Clamp stone of polymer concrete
with 12 mm lowered clamp-shoulder

straight, L=100cm



Clamp stone

Clamp rail of galvanised steel with 4
bracket anchors

straight, L=200cm



Clamp rail

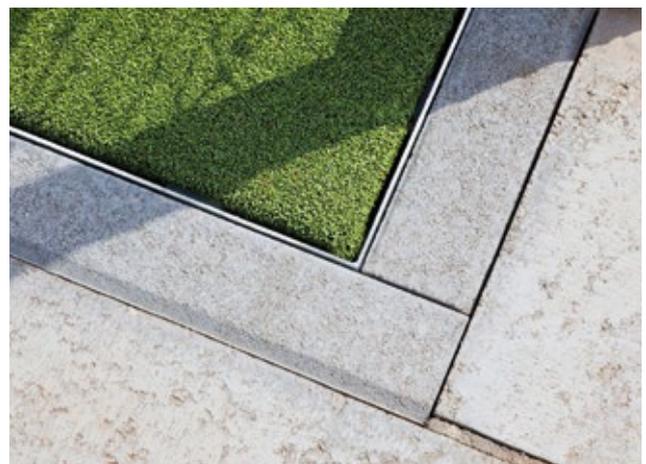
Specification	Clamp stone	Clamp rail
Material	Resin concrete	galv. steel
Length	100 cm	200 cm
Width	10.0 cm	3.2 cm
Height	20.0 cm	5.5 cm
Weight	21.1 kg	7.0 kg

Areas of application

or rectangular synthetic turf playing fields with even-level auxiliary surfaces



Bordering a synthetic turf field with ANRIN SPORT Clamp stone



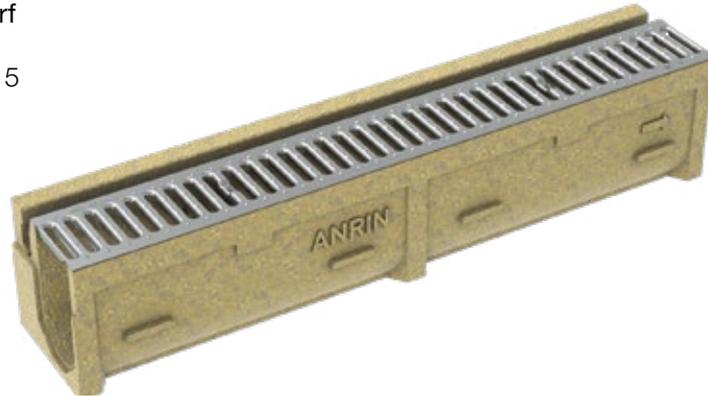
Bordering a synthetic turf field with ANRIN SPORT Clamp rail

ANRIN SPORT Drainage system NW 100 synthetic turf

The ANRIN SPORT Drainage System NW 100 Synthetic Turf is the optimal solution for draining all modern synthetic turf facilities. This system addresses two crucial functions simultaneously with a single component: securing the synthetic turf and draining the auxiliary surfaces. The screwless clamping mechanism prevents damage to the covering material, and by eliminating metal parts on the surface, the system ensures maximum safety for sports activities. Additionally, the channel's cross-section, free of disruptive fastening parts and locking mechanisms, simplifies cleaning and maintenance.

Channel NW 100 synthetic turf

with slotted steel grating cl. A15
with TwistLock fastening



NW 100 synthetic turf

Specification	NW 100	Sump unit	Cover
Material	Resin concrete	Resin concrete	galv. steel
Length	100 cm	50 cm	100 cm
Width	18.8 cm	18.8 cm	13.0 cm
Height	20.0 cm	56.3 cm	
Weight	25.0 kg	27.5 kg	

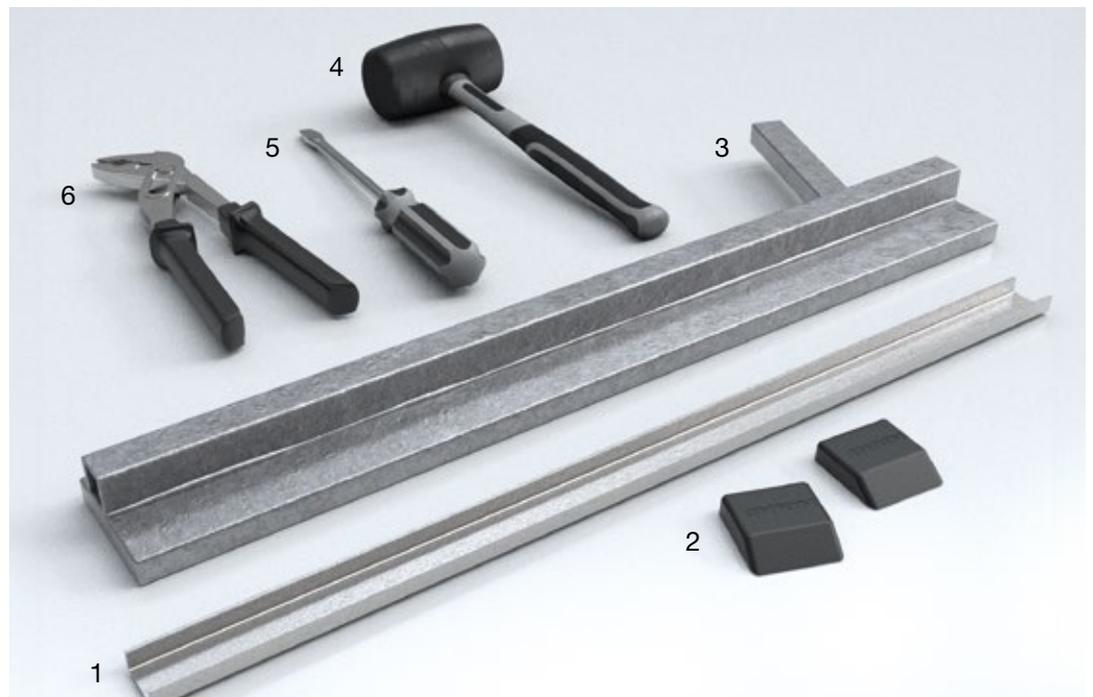
Areas of application

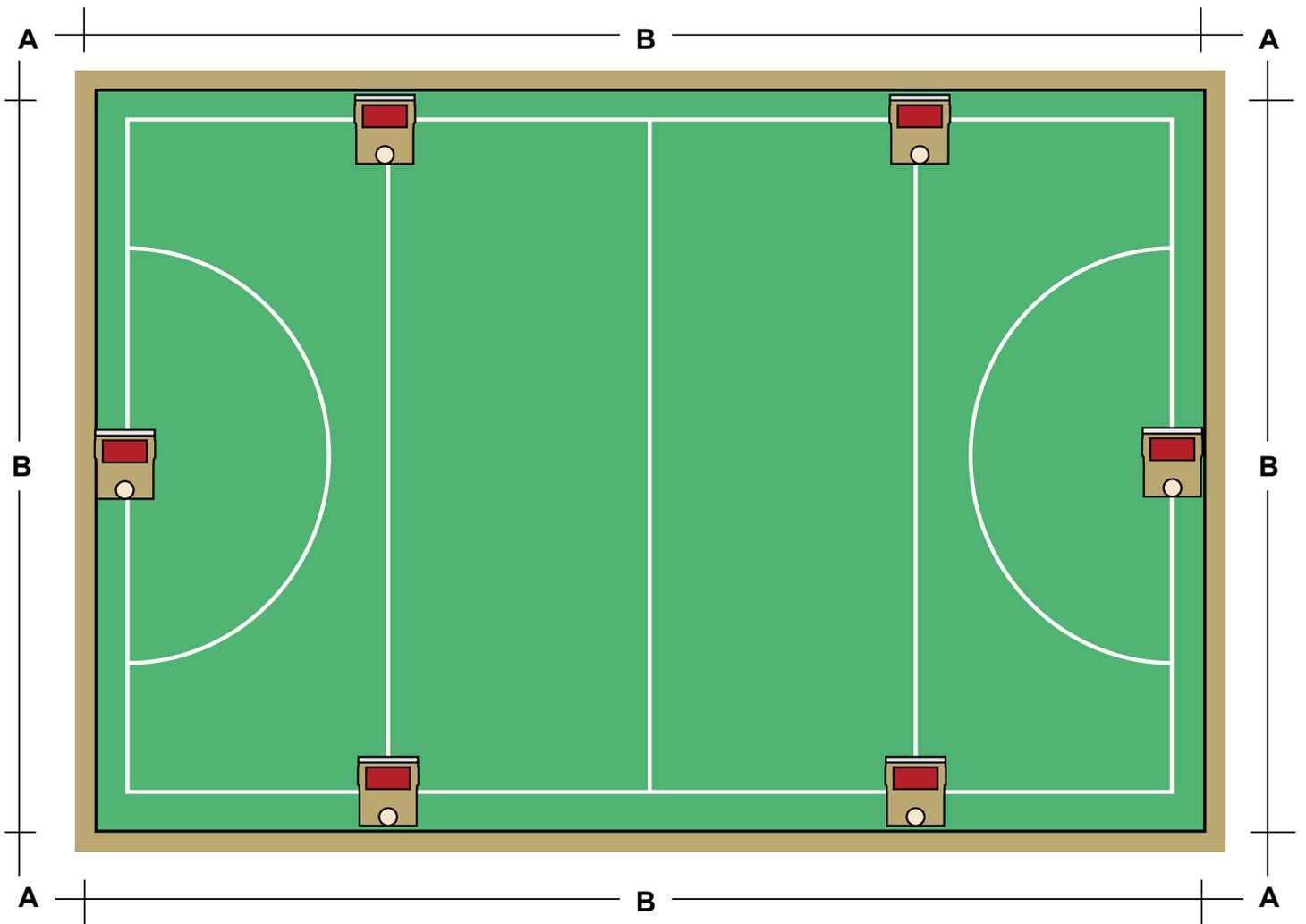
for rectangular synthetic turf playing fields with even-level auxiliary surfaces

Clamp sets and tools for fixing the turf

consisting of:

1. Gripper rail
2. Plastic wedges
3. Drive in tool ANRIN
4. Rubber hammer
5. Screwdriver
6. Adjustable pliers





 Sump unit NW 100 synthetic turf

A Clamp channel with mitre cut for 90° corner
 Clamp stone with mitre cut for 90° corner
 Clamp rail with mitre cut for 90° corner

B Clamp channel NW 100 L = 100 cm
 Clamp stone L = 100 cm
 Clamp rail L = 200 cm



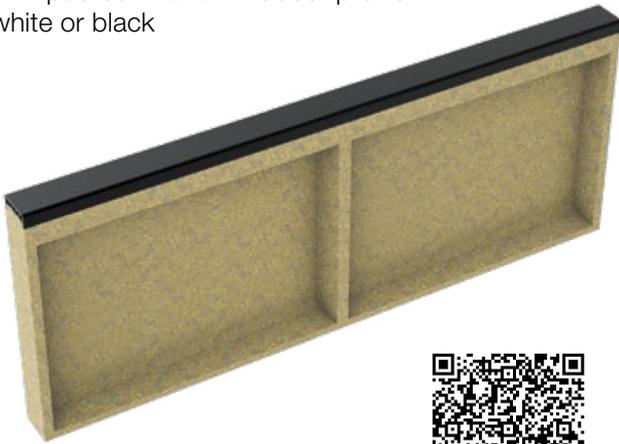
Draining sports field with ANRIN SPORT NW 100 synthetic turf

ANRIN SPORT Soft Kerbings

for edging of tracks, playing fields and long jump pits

ANRIN SPORT soft kerbings, made of resin concrete with an EPDM rubber profile in black or white, are ideally suited for edging tracks, delimiting playing fields from segment areas, and edging jump pits or shot put enclosures. The rubber profile is embedded in the resin concrete, providing optimal active safety through the material's elasticity and rounded edges. Available in widths of 6 cm for track delimiting, jump pits, and beach volleyball courts, and up to 10 cm for shot put areas, with construction heights ranging from 20 to 40 cm, these kerbings offer a wide range of customizable construction and design options.

Soft kerbing of resin concrete
with poured in EPDM-rubber profile
white or black



Soft kerbing
black



Soft kerbing
white

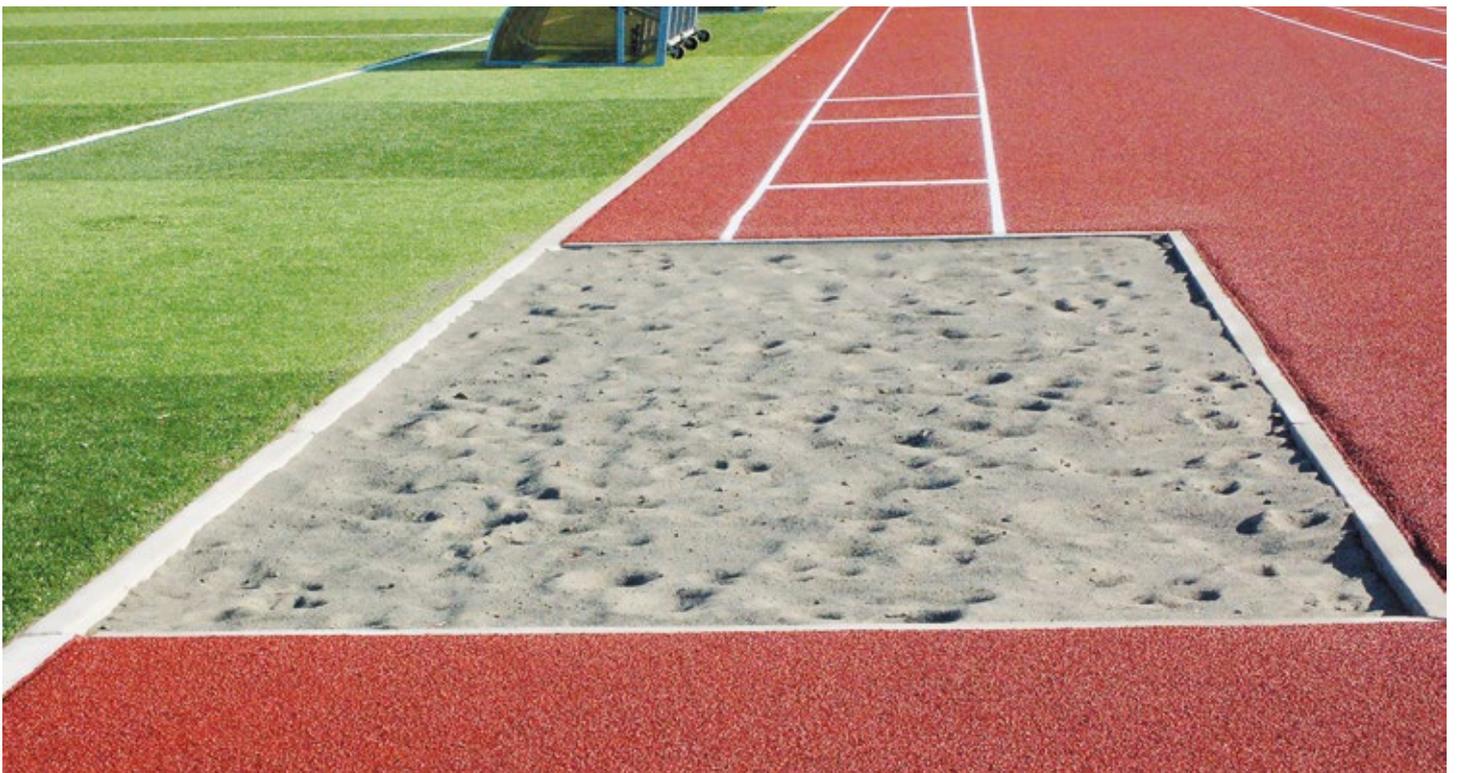
Areas of application

Outside and inside track delimiting

Segment delimiting of playing fields

Edging of jump pits, shot put enclosures

Edging of volleyball courts

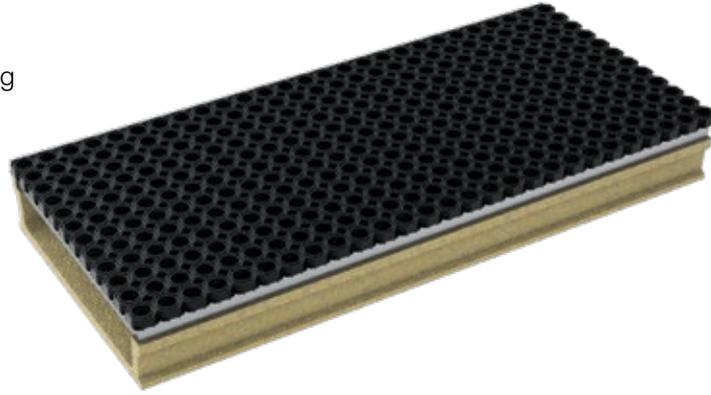


ANRIN SPORT Sand collecting channel

for collecting sand from long jump pits

The ANRIN SPORT sand collecting channel consists of a polymer concrete tray with a surrounding steel edge and a cover made of mesh steel grating topped with a rubber honeycomb mat. To effectively delimit the sand pit from synthetic-coated auxiliary surfaces, we recommend installation in single or double rows. This approach helps prevent excessive soiling of the synthetic covering.

Sand collecting channel
of polymer concrete
with end cap, galv. steel grating
and rubber mat

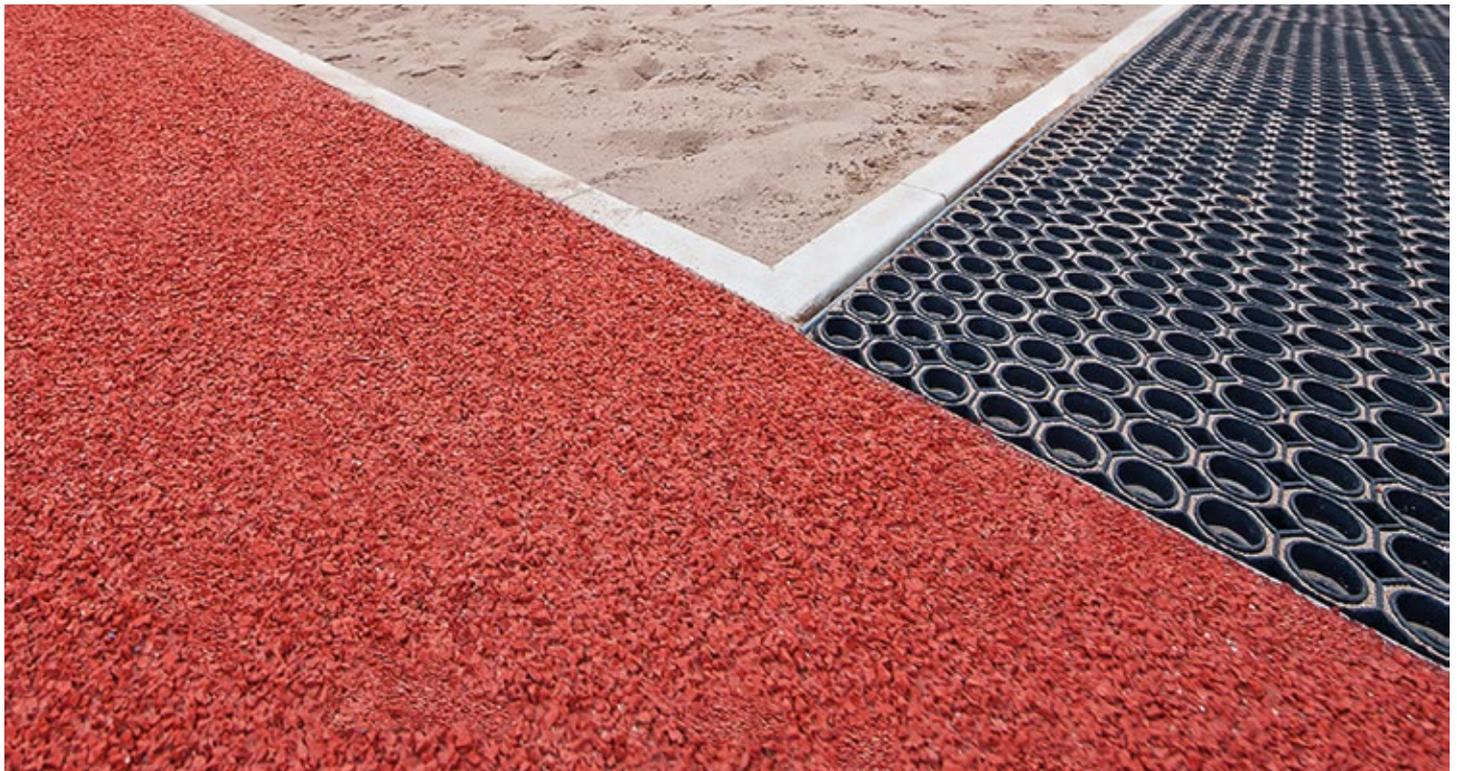


Sand collecting channel

Areas of application

Sand collecting channel for collecting sand from long jump pits

Specification	Sand collecting channel	Length compensation	Cover
Material	Resin concrete	Resin concrete	gal. steel mesh grating with rubber mat
Length	100 cm	67.0 cm und 112.0 cm	
Width	50.0 cm	50.0 cm	50.0 cm
Height	14.0 cm	14.0 cm	14.0 cm
Weight	43.0 kg	48.0 kg	2.9 kg



ANRIN SPORT Cable Distribution Shaft

ANRIN SPORT cable distribution shafts facilitate the organization of both permanent and temporary cabling in sports facilities. Connected to empty conduits beneath track and playing field areas, they enable the unobstructed operation of power, data, and media networks. The shaft body, made of resin concrete, features a surrounding steel case and perforations for empty conduits on all sides. The open base is equipped with a drip seal. The cover includes an installation panel for plug connections and an opening with cable tension relief.

Material: Resin concrete with steel frame
 Length: 60 cm
 Width: 60 cm
 Height: 60 cm



Cable distribution shaft

Specification	Cable distribution shaft	Cover	Cover
Material	Resin concrete	galv. steel, coatable	galv. steel, checker plate
Length	60.0 cm	60.0 cm	60.0 cm
Width	60.0 cm	60.0 cm	60.0 cm
Height	60.0 cm		
Weight	57.0 kg		

Distribution shaft with coatable cover



Distribution shaft with checker plate cover





Areas of application

Permanent and temporary cabling of sport facilities

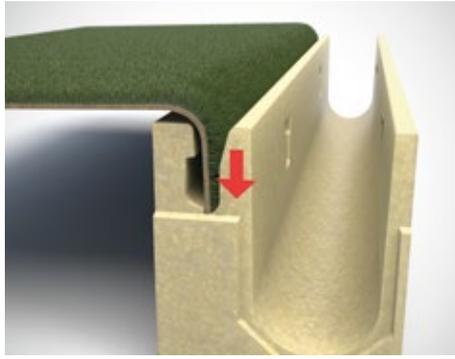
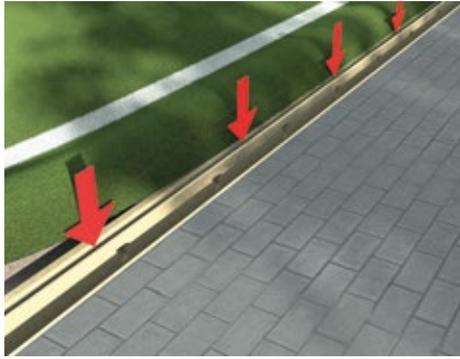


Distribution shaft in paved side surface. Cover lifted.

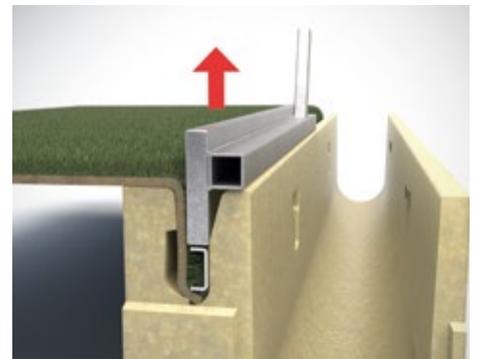
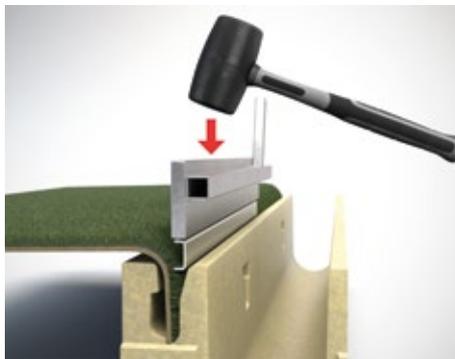
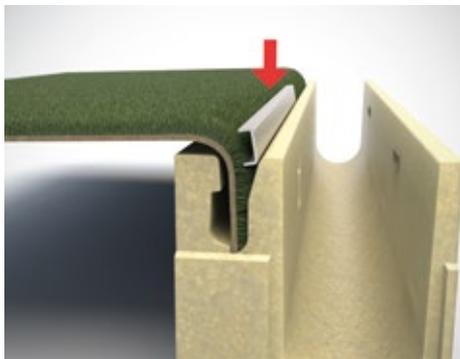
Functional description of the ANRIN SPORT Clamp system

The ANRIN SPORT Clamp System allows for screwless clamping of synthetic turf in the Clamp Rail, Clamp Stone, or Clamp Channel. In just four simple steps, the synthetic turf is permanently and securely fixed without the need for any heavy equipment.

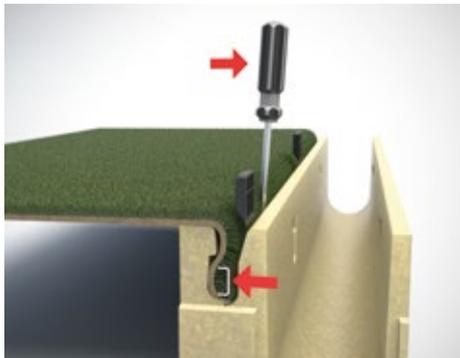
Installation of the synthetic turf with ANRIN Clamp set



1. Cut off the edge of the synthetic turf and insert it into the clamping slot.



2. Press the gripper rail into the clamping slot with the short legs facing the synthetic turf, until the upper edge of the gripper rail is flush with the insertion bevel on the slot.



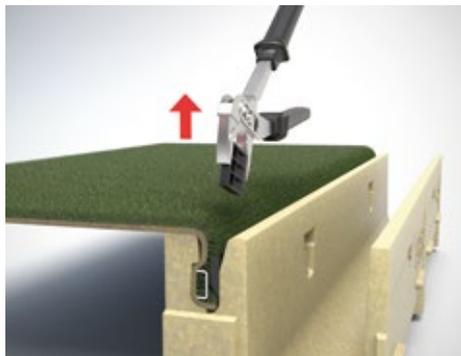
3. Insert a screwdriver behind the gripper rail and press forward by turning the blade.



4. Insert the plastic wedge with the bevelled side facing the synthetic turf and fix it with a rubber hammer or the ANRIN Drive in tool.

Functional description of the ANRIN SPORT Clamp system

Easy removal or retighten of the synthetic turf by loosening the clamping set

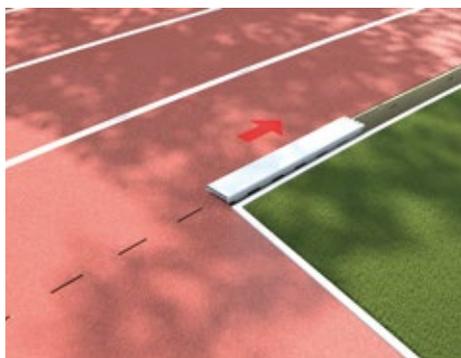


1. Locate the plastic wedge with the screwdriver and pull it out of the Clamp slot by using an adjustable pliers
2. Locate the opening of the gripper rail with the screwdriver and pull it out of the clamp slot by using an adjustable pliers.

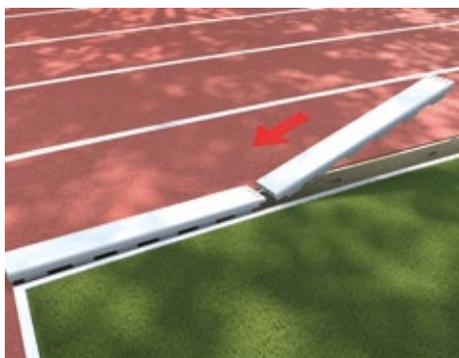
Laying instruction for ANRIN SPORT Plastic Cover PE-HD

Before laying the cover, the upper edges of the channels must be cleaned. Track-coating residues on the inside of the channels have to be removed. It is important to ensure that the covers always have a certain amount of lateral play on the channels and do not jam at any point.

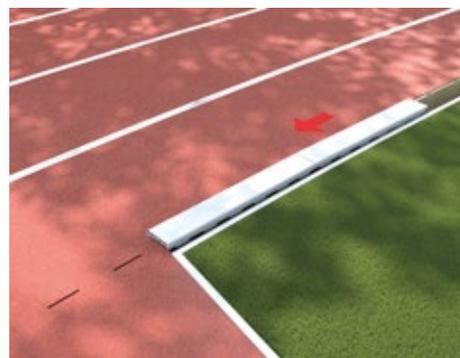
It is advisable to lay the covers in a clockwise direction. The connecting dowels of the installed cover also point in a clockwise direction. Installation usually begins at the transition from the segment to the playing field.



The first cover is fitted with the dowel pointing in a clockwise direction.



The next cover is then placed on top and pushed onto the dowel of the previous one,



until the central GRP rod abuts.



The length of the GRP rod is dimensioned so that sufficient space remains free in the plug-in connection for the thermal expansion of the cover. **The covers must therefore never be pushed tightly together with pressure!**

Required cuts

Cuts are required at the transition from the straight to the curve of the segment if the overlapping cover is jammed. Cuts must also be made at the transition from open to slotted channels. As a general rule, no cuts are made above the sump units.





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We place great importance on working closely with our customers to understand their individual needs and requirements. Our dedicated customer service team provides comprehensive support, from advice on product selection to assistance with the installation and maintenance of drainage channels. You can rely on a fast response time, expert support and customer-orientated service.

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