



RIDESPAN

MODULAR PUMP TRACK HANDBOOK

Selection | Layouts | Planning | Installation | Care

Flexible riding solutions for parks, schools
and recreation spaces.



RELOCATABLE
Move it when you need to



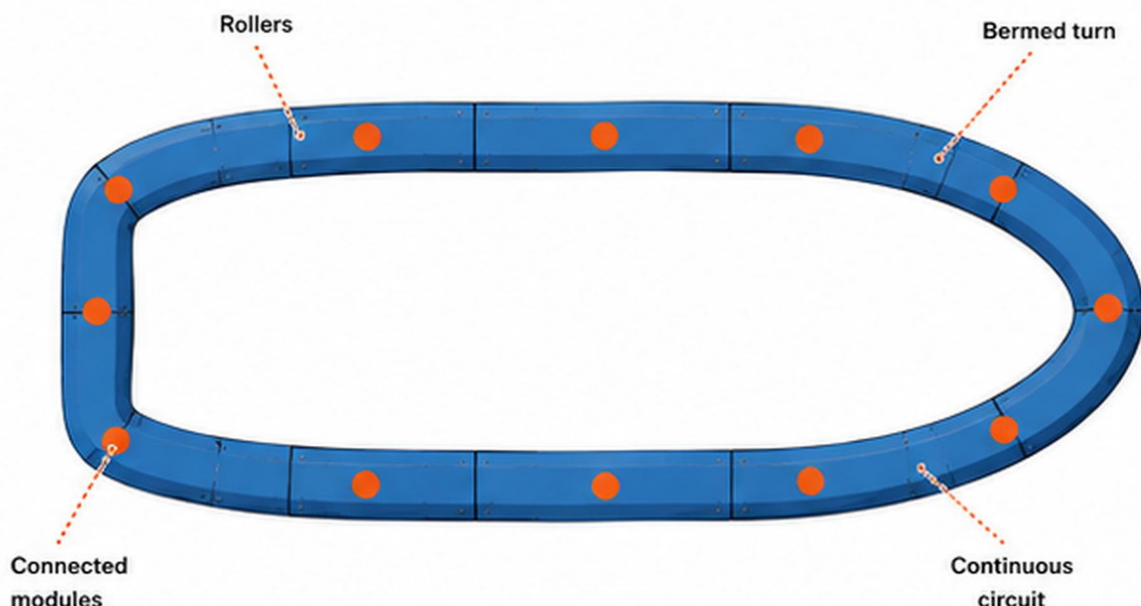
EXPANDABLE
Add modules. Build bigger.



YEAR-ROUND
Built tough. Ride all year.

A Flexible Riding System

A project-planning guide for selecting, configuring and operating Apollo NZ modular pump tracks.



Schematic only – final geometry is project-specific.



WHAT IT IS

- A relocatable wheeled-sports facility built from connected composite modules.
- Create rollers, turns, berms, straights and complete riding circuits.
- Designed for performance, safety and long-term durability.



WHO IT IS FOR

- BMX and mountain bikes
- Balance bikes
- Scooters and skateboards
- Adaptive wheeled sports
- Recreational and competitive riders



WHY MODULAR?

- Relocatable and reconfigurable.
- Expandable to suit users and site.
- Minimal site disruption.
- Components can be replaced without rebuilding the entire track.
- Scales from skills areas to major community facilities.



IMPORTANT Modular pump tracks are relocatable, expandable and suitable for wheeled recreation. All footprint diagrams in this handbook are selection schematics, not final construction drawings. Confirm the approved layout, base requirements, access and local requirements before site work begins.

What the Modular System Delivers

Apollo NZ's modular system is engineered for performance, built for reliability and designed to adapt to the needs of every project.

ASPECT		WHAT IT MEANS FOR YOU
	MATERIAL	High-grade steel modules with a durable, weather-resistant powder-coated finish.
	STRUCTURE	Engineered for strength, stability and years of heavy use in all conditions.
	MODULES	Six primary shapes form the building blocks of every track.
	CONFIGURATION	Multiple layouts and flow options to suit all skill levels, ages and site sizes.
	PROJECT FLEXIBILITY	Relocatable, reconfigurable and expandable as needs change. Ideal for evolving communities.
	SURFACE	Smooth, low-maintenance riding surface for speed, consistency and safety.
	COLOUR	Custom colour options to align with your brand, place and environment.
	WARRANTY	Built to last with a comprehensive warranty for peace of mind.



CORE PROJECT BENEFITS

- Faster planning, simpler approvals and efficient delivery.
- Lower long-term maintenance and operating costs.
- Safer environments that support positive rider experiences.
- Scalable solutions for facilities of any size.
- Built in New Zealand for local conditions and communities.



OPERATIONS

- Minimal maintenance – more time for your community.
- Easy to inspect, clean and keep riding smoothly.
- Designed to withstand heavy daily use.
- Reliable performance in all weather conditions.
- Long-term durability that protects your investment.

How Pumping Creates Momentum

A pump track is more than a series of rollers – it's a rhythm. By using your body to generate and transfer energy, you move forward with speed and flow.

COMPRESS

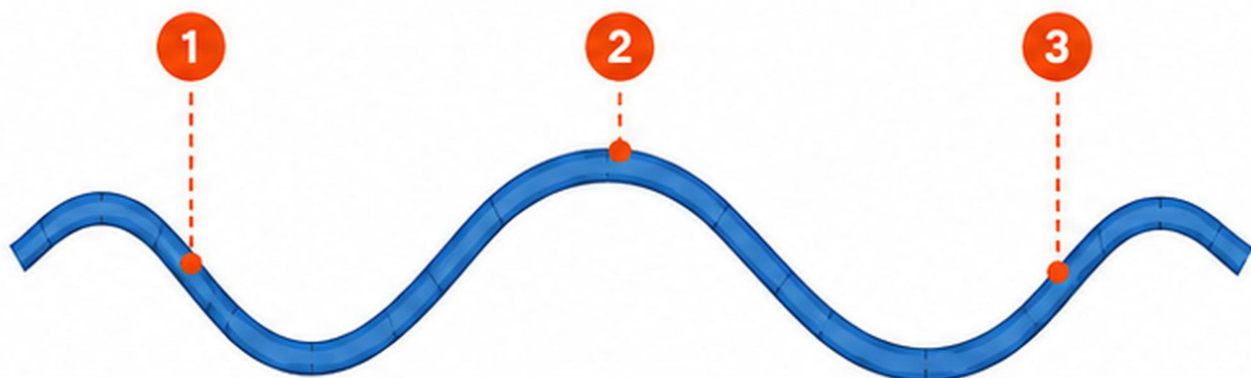
Push down into the transition to store energy.

EXTEND

Unweight over the crest and extend your body.

FLOW

Let gravity pull you in to the next transition.



Smooth rhythm through compress, extend and flow is the key to carrying speed.



WHAT RIDERS LEARN

FOUNDATION SKILLS

- Balance and body position
- Timing and rhythm
- Speed control

BUILDING BLOCKS

- Pumping technique
- Line choice
- Reading the track



PROGRESSION SKILLS

FOUNDATION SKILLS

- Consistency
- Flow and momentum
- Smooth and efficient movement

BUILDING BLOCKS

- Linking features
- Higher speed with control
- Adapting to different track layouts



RIDER OUTCOME

Confidence grows, skills develop and riders experience the exhilaration of flow on every lap.

Advanced Composite Construction

The Apollo pump track module combines high-performance materials with smart engineering for strength, smooth ride quality and long life.



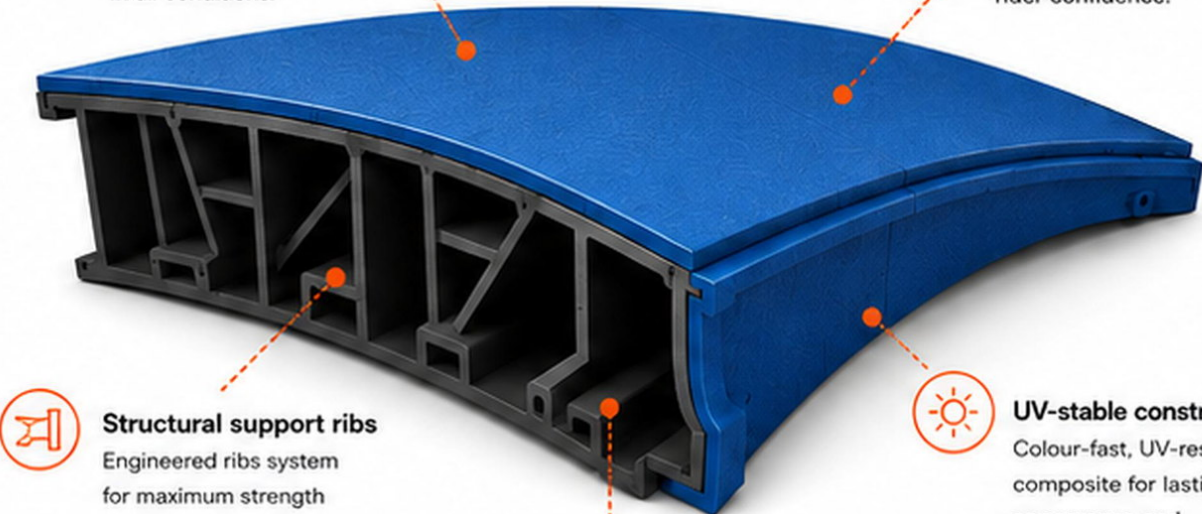
Anti-slip riding surface

Textured for confident grip in all conditions.



Smooth transitions

Flow-optimised profiling for speed control and rider confidence.



Structural support ribs

Engineered ribs system for maximum strength with minimal weight.



UV-stable construction

Colour-fast, UV-resistant composite for lasting appearance and performance.



Waterproof composite shell

Closed-cell, non-porous shell resists water, rot and corrosion for all-weather durability.



SURFACE FEATURES

- High-traction, anti-slip finish
- Consistent texture for all conditions
- Smooth, rounded edges for safety
- Low maintenance and easy to clean

Built for performance and safety, the riding surface delivers consistent grip and smooth transitions in every session.



LONG-TERM PRACTICALITY

- UV-stable materials resist fading
- Waterproof shell prevents water ingress
- Corrosion and rot proof
- Designed to handle heavy use and harsh environments

Engineered for real-world conditions, Apollo modules deliver dependable performance and minimal upkeep — year after year.



IMPORTANT

All composite components are engineered for outdoor use and long service life. Regular inspection and proper installation are essential for ongoing safety and performance.

Six Primary Module Types – How the Logic Works

The Apollo system is built from six primary module types. These standard modules connect seamlessly to create unlimited track layouts.

Roller



APOLLO NZ

Straight



APOLLO NZ

Curved Turn



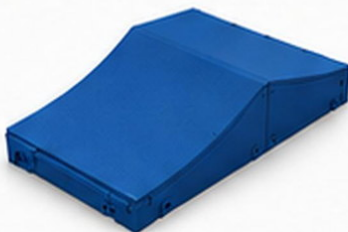
APOLLO NZ

Berm



APOLLO NZ

Transition



APOLLO NZ

Platform / Start



APOLLO NZ



WHY THIS MATTERS

Using a limited set of smartly designed modules makes planning simple, construction efficient, and maintenance straightforward. Whether it's a beginner loop or a pro-level course, these six building blocks unlock endless layout possibilities.



DESIGN TIP

Start with the basics: use straights and rollers to set the rhythm, then add turns, berms and transitions for flow and progression.

Choose the Facility Before the Shape

The right facility starts with the right answers. Use the guide below to align your project vision, site conditions and budget with the best modular pump track solution.

DECISION FACTOR	CONSIDERATIONS & OPTIONS
 Target Users	Kids (5–10) • Youth (10–16) • Mixed • Adults • All Abilities Drive skill progression, feature scale and flow complexity.
 Site Footprint	Available area and shape • Setbacks & circulation Topography • Drainage • Access & services
 Project Intent	Learn to ride • Skills & progression • Fitness & training Community hub • Events & competitions
 Installation Type	Surface-mounted (relocatable) • Partial embed Fully embedded • Portable / seasonal
 Future Expansion	Space to grow • Phased development Add modules later • Multi-phase masterplan
 Budget Phase	Concept / Feasibility • Detailed Design • Construction Contingency & long-term operating budget

? SITE QUESTIONS

- What is the usable area (m²)?
- What is the terrain like?
- How is drainage managed?
- What are the access and service points?
- Are there noise or visual constraints?

? USER QUESTIONS

- Who is the primary audience?
- What skill level are we targeting?
- Do we need progression difficulty?
- Will the track host events or coaching?
- Are all-abilities features required?



IMPORTANT

The best pump track is the one that fits your site, users and budget today—and can grow tomorrow. Answer these questions early to save time, cost and rework.

Compact Training & Entry Loops

Efficient, confidence-building layouts ideal for new riders, schools and skills coaching. These compact loops maximise flow and progression in a minimal footprint.

Pump Cycle 1

Length: 48 m | Footprint: 18 m x 34 m



8 MODULES

Pump Cycle 2

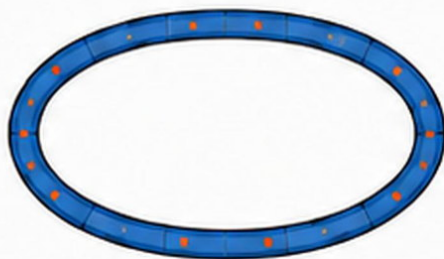
Length: 62 m | Footprint: 20 m x 40 m



10 MODULES

Velocity Loop 1

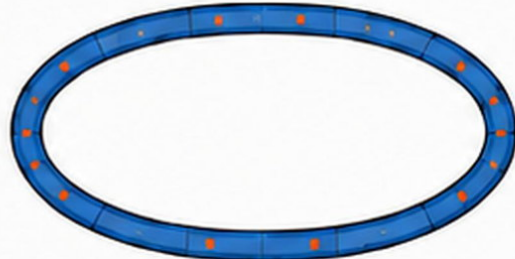
Length: 56 m | Footprint: 24 m x 32 m



10 MODULES

Velocity Loop 2

Length: 72 m | Footprint: 28 m x 38 m



12 MODULES



Use these layouts as entry-level options or warm-up areas within a larger facility.



IMPORTANT

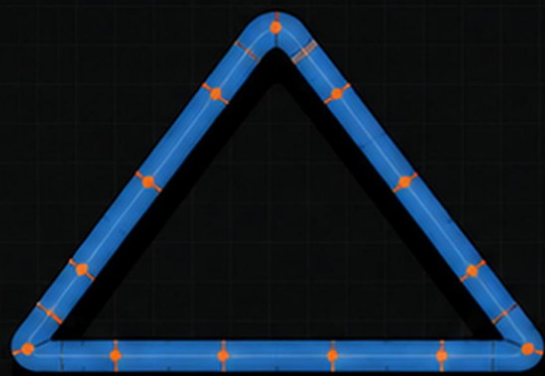
Always verify clearances, access, drainage, sightlines and local requirements before finalising layout and installation.

Flow & Rhythm Options

Four versatile layouts that focus on smooth flow, rhythm and rider confidence.

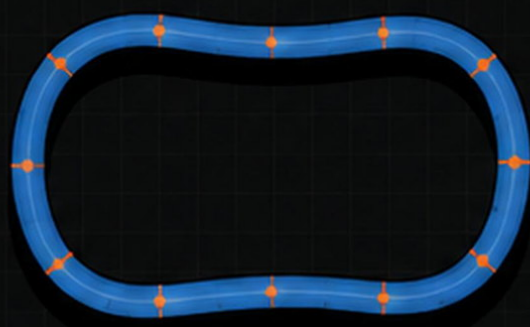
Nova Trek

FOOTPRINT 28.0m x 18.5m | MODULES 20



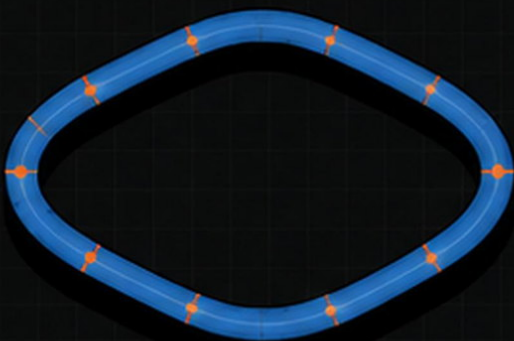
Stellar

FOOTPRINT 26.5m x 16.5m | MODULES 18



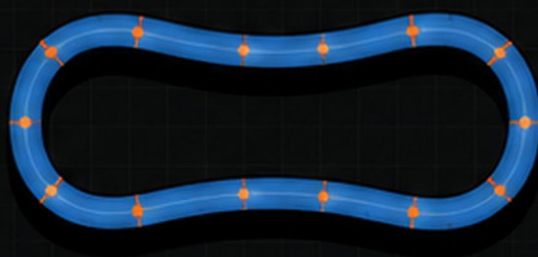
Cosmo

FOOTPRINT 29.0m x 20.0m | MODULES 22



Wild Twist

FOOTPRINT 27.5m x 14.5m | MODULES 18



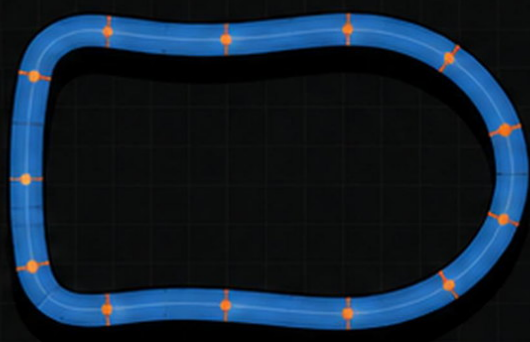
BUILD TIP Add subtle rhythm sections and varied radius turns to create flow that keeps riders moving smoothly and returning for more.

Technical & Large-Format Options

High-performance layouts built for skill development, speed and advanced riding.

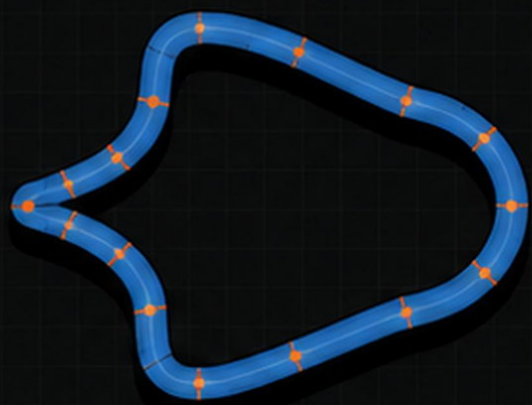
Viper

FOOTPRINT 30.5m x 18.0m | MODULES 20



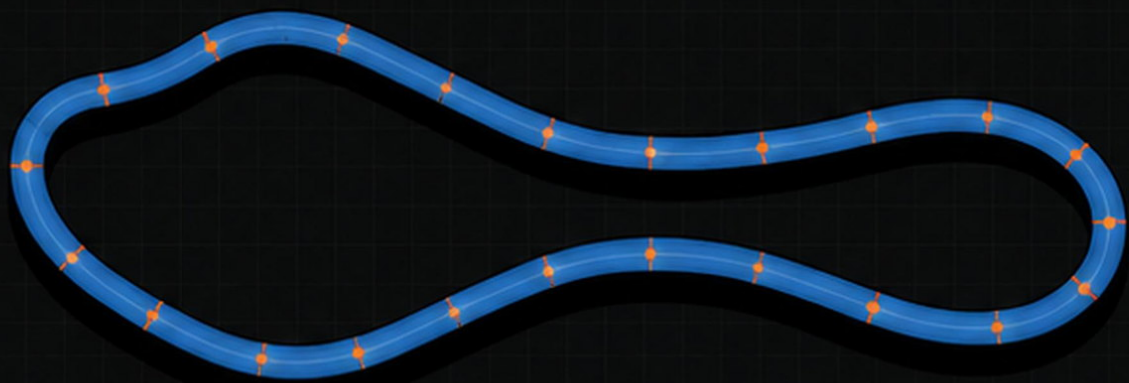
Primetime

FOOTPRINT 32.0m x 20.0m | MODULES 22



Dual Turbo

FOOTPRINT 42.0m x 21.0m | MODULES 28

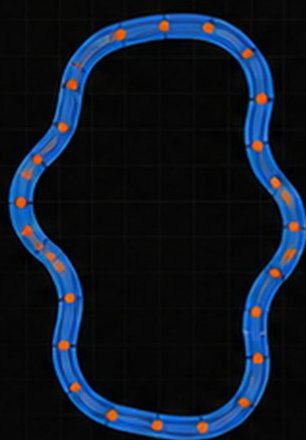


BUILD TIP Use technical sections to challenge skilled riders and large-format layouts to support higher speeds and overtakes.

Competition & Community Scale

Larger footprint tracks for events, training and community facilities.

Racing Track



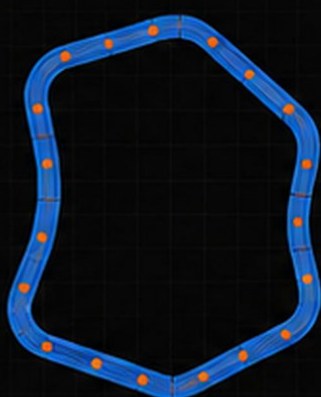
FOOTPRINT
48.0m x 32.0m



TOTAL MODULES
152 modules

Designed for racing and competition environments. This layout supports high-speed flows, passing zones and technical sections for skilled riders.

Grand Prix Track



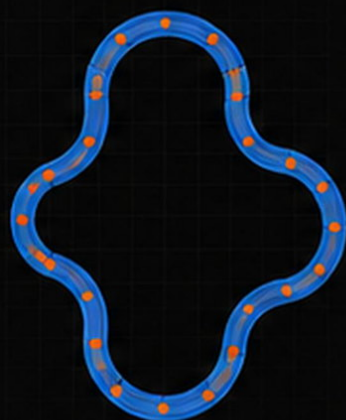
FOOTPRINT
52.0m x 36.0m



TOTAL MODULES
168 modules

A Grand Prix style track that balances long straights with technical turns and rhythm sections. Ideal for events, clinics and advanced training.

Medium Grade Track



FOOTPRINT
40.0m x 34.0m



TOTAL MODULES
132 modules

Flow-focused layout with a mix of banked turns and rollers. Well-suited to intermediate riders and community pump track facilities.



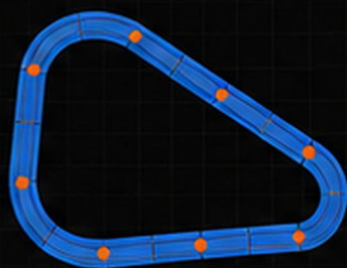
IMPORTANT

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Compact Extended Options

Versatile layouts for tight spaces and creative riding experiences.

Sidewinder Track



FOOTPRINT

30.0m x 22.0m

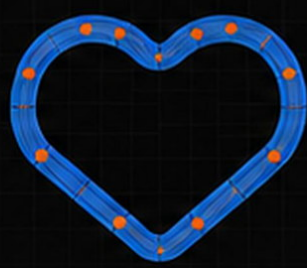


TOTAL MODULES

96 modules

A fast and fluid sidewinder layout with continuous turns and rhythm sections. Perfect for compact sites and flow-oriented riding.

Hearts-46 Track



FOOTPRINT

28.0m x 24.0m

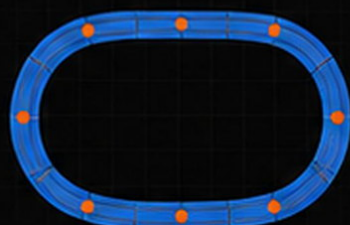


TOTAL MODULES

100 modules

Iconic heart-shaped layout that's fun, engaging and highly rideable. Great for community spaces and eye-catching installations.

SpeedRing-34



FOOTPRINT

26.0m x 18.0m



TOTAL MODULES

68 modules

Compact oval design focused on speed and smooth flow. Ideal for short laps, skill sessions and beginner to intermediate riders.



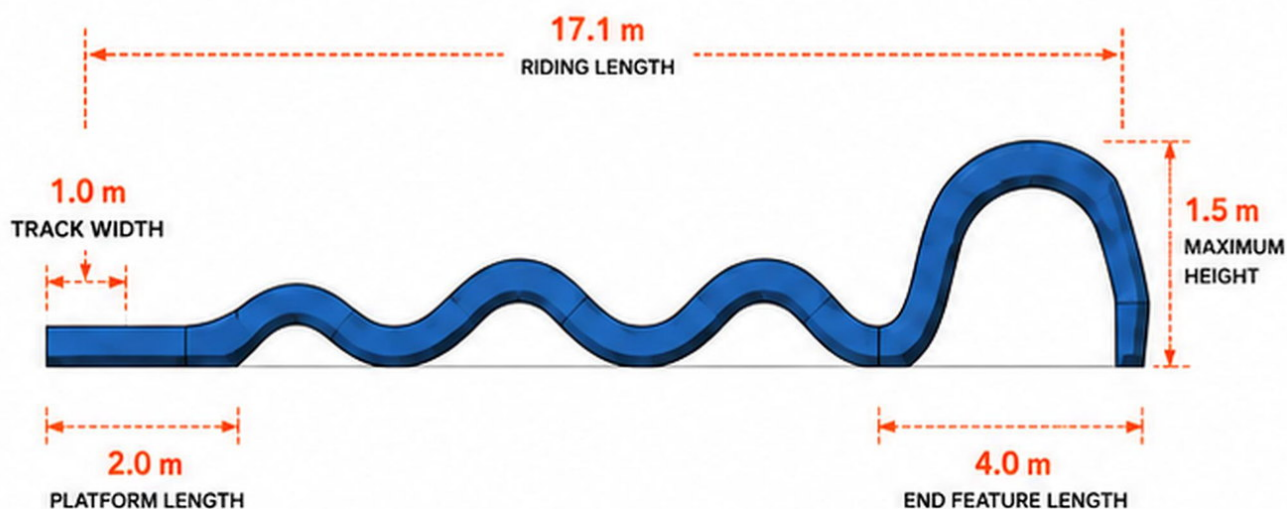
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Push Bike Training Track

A fun and confidence-building track designed for young riders learning balance, control and flow on two wheels.

PUSH BIKE TRAINING TRACK – PROFILE SCHEMATIC



SPECIFICATIONS

Riding length	17.1 m
Track width	1.0 m
Platform length	2.0 m
End feature length	4.0 m
Maximum height	1.5 m
Min. footprint (approx.)	21.0 m x 3.5 m
Rider age	2 – 5 yrs
Typical user	Push bikes, balance bikes
Surface	Smooth riding surface
Modules	7 – 9

IDEAL FOR

- ✓ Developing balance, coordination and confidence
- ✓ Learning to pump and roll
- ✓ Early introduction to riding skills
- ✓ Supervised play and skill development
- ✓ Inclusive fun for the youngest riders



SUCCESS STARTS YOUNG. A low, approachable track that builds skills, confidence and a lifelong love of riding.

Where Modular Pump Tracks Fit

Our modular pump tracks are designed to thrive in a wide range of environments, bringing active play, connection and value to communities.



PUBLIC PARKS

Enhance community spaces and encourage active, outdoor lifestyles.



SCHOOLS

Support physical activity, skill development and student wellbeing.



RECREATION RESERVES

Add year-round value and attract more visitors to local reserves.



BMX CLUBS

Expand training opportunities and develop future riding talent.



BIKE PARKS

Complement existing facilities and diversify riding experiences.



SHOPPING CENTRES

Create family-friendly destinations that extend visit time.



RESORTS

Offer guests active recreation in beautiful surroundings.



BEACHES

Activate coastal spaces and encourage outdoor fun.



HOLIDAY PARKS

A must-have attraction for families and young adventurers.



COMMUNITY CENTRES

Strengthen community connections and promote healthy lifestyles.



EVENT VENUES

Deliver engaging attractions for events, festivals and activations.



RESIDENTIAL DEVELOPMENTS

Add lifestyle appeal and long-term value to new communities.



STRONGER COMMUNITIES. More active people, connected spaces and thriving places to live, play and grow.

Built for School Movement, Play & Progression

A modular riding facility that can support active play, skill development, supervised recreation and future growth - without locking the school into one permanent layout.



SCHOOL PROJECT PRIORITIES



ACTIVE PLAY

Create a compact movement zone that supports repeat riding, balance, cornering and confidence.



SUPERVISION

Plan clear sightlines, entry/exit points, waiting areas and circulation around the riding line.



PROGRESSION

Support younger and developing riders with layouts that can build skills over time.



FUTURE GROWTH

A modular system can be reconfigured, relocated or expanded as space, budgets and programmes change.

PLAN AROUND student ages | available footprint | supervision | drainage | access | future expansion

A Flexible Public Recreation Asset

RIDEsan can activate parks, reserves and community spaces with a modular wheeled-recreation system that supports participation now and a pathway to staged investment later.



COMMUNITY PARTICIPATION

Bikes, BMX, scooters, skateboards and balance bikes can share one adaptable recreation asset.

STAGED INVESTMENT

Start with a suitable footprint and expand or reconfigure where budgets, demand or masterplans grow.

PUBLIC-SPACE FIT

Coordinate the track with paths, shade, seating, bike parking, drinking water, signage and landscaping.

LIFECYCLE THINKING

Plan drainage, inspections, module replacement, surrounding surfaces and future asset management from the start.

Design the Space Around the Track

A well-considered site brings the track to life—safe, accessible and ready for your community to enjoy.



SHADE

Provide natural or built shade for comfort and year-round use.



SEATING / VIEWING AREA

Create comfortable viewing zones with seating, bike racks and space to gather.



SUPERVISION

Ensure clear sightlines from surrounding paths and key vantage points.



DRAINAGE

Design positive falls and subsurface drainage to keep the track dry and durable.



ACCESS

Provide accessible paths, entry points and connections to parking and amenities.



TRACK ENVELOPE

Maintain clear run-offs and safety zones around the track to protect rider and perimeter.



ENTRY / EXIT ZONES

Define entry and exit points with clear flow and safe transitions.



PLAN BEYOND THE TRACK

Consider circulation, landscaping, lighting, amenities and future growth. Great spaces are designed for people as much as performance.

From Approved Layout to Ride-Ready Facility

Our proven 7-step process ensures your project moves smoothly from approval to opening day—on time, on budget and built to last.



STEP	MAIN ACTION	WHO LEADS
1. Scope	Define project goals, budget, timelines and site requirements.	Client & Apollo NZ
2. Layout	Confirm final layout, envelope, access and key site services.	Apollo NZ
3. Prepworks	Undertake site earthworks, drainage and base preparation.	Civil Contractor
4. Set Out	Survey and set out track envelope and key datum points.	Surveyor / Contractor
5. Assemble	Deliver modules and assemble the track system.	Local Installer
6. Verify	Inspect, test ride and confirm compliance with specifications.	Client / Local Team
7. Handover	Provide care guidance, documents and hand over the facility.	Apollo NZ / Client

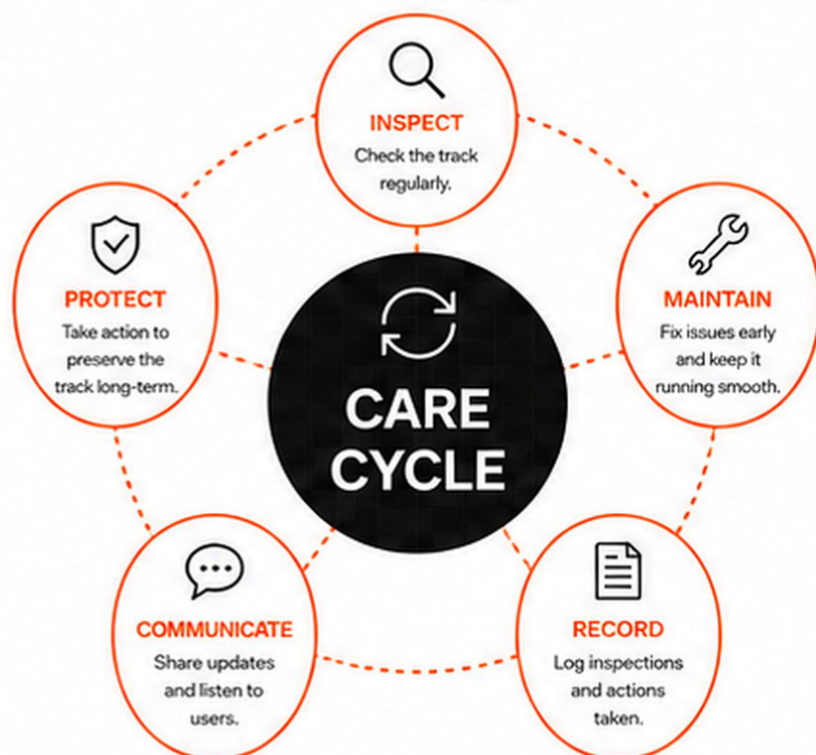


BUILT TOGETHER. READY TO RIDE.

Clear communication, quality workmanship and shared accountability deliver facilities that communities are proud of for years to come.

Keep the Riding Surface Predictable

A simple, consistent care cycle keeps the track safe, fun and performing at its best. Regular attention prevents small issues from becoming big problems.



INSPECTION POINTS

FIXINGS & FASTENERS

- Check all module connectors, bolts and fasteners.
- Tighten any loose fixings.
- Replace damaged or missing components.

RIDING SURFACE

- Look for surface wear, chipping or delamination.
- Check for standing water or poor drainage.
- Ensure a consistent, smooth ride.

STRUCTURE & SITE

- Inspect modules for impact damage or movement.
- Check base conditions and surrounding transitions.
- Keep landscaping and run-off areas clear and safe.



CLEANING

- Remove leaves, dirt and debris regularly.
- Use mild detergents and soft brushes where needed.
- Avoid harsh chemicals or high-pressure washing.



CONSISTENCY IS KEY.

A little care, often, prevents costly repairs.

Make the Facility Belong to the Place

Use colour and brand with intention. A considered identity helps your track feel connected to its community and environment.

COLOUR OPTIONS



BLUE



GREEN



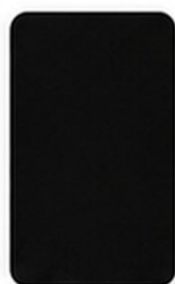
YELLOW



PURPLE



RED



BLACK



BRANDING OPPORTUNITIES

- Apply logos and graphics to module sides, entry features and signage.
- Use colours that reflect local identity, landscape or culture.
- Partner with local groups, schools and businesses.
- Create a sense of ownership and pride through inclusive design.



DESIGN CAUTION

- Avoid overly bright or clashing combinations.
- Ensure colours align with the surrounding environment.
- Keep branding durable, simple and respectful.
- Consider visibility and contrast for safety and wayfinding.



IMPORTANT: Colour choice, branding and signage should reflect the local context and community values. Seek approval from stakeholders before finalising design or applying permanent elements.

What Apollo Needs to Quote the Right Track

The more information you can provide, the more accurate and helpful our quote will be.

Use the guide below to prepare your project details.

WHAT WE NEED	WHAT TO PROVIDE
 Project name / site	Name of the project and full site address.
 Target users	Who will use the track? (e.g., beginners, youth, all ages, BMX, MTB, scooters)
 Site footprint	Available space (length x width), shape, and any constraints.
 Preferred layout	Preferred track style (e.g., flow, technical, hybrid) or reference layouts you like.
 Surface preparation	Current surface (e.g., grass, dirt, asphalt) and who will prepare it.
 Access	Site access for trucks and modules (width, entry points, restrictions).
 Budget stage	Indicative budget range or funding stage (planning, applying, confirmed).
 Timing	Target timeline for delivery, installation, and opening.
 Colours / branding	Preferred colours or branding requirements.
 Delivery region	Town/city and nearest major centre for freight planning.

Before Ordering

Review the checklist below to help ensure your project is ready to move forward.

- | | |
|--|--|
| ☐ Site footprint confirmed and measured | ☐ Budget confirmed or funding in progress |
| ☐ Preferred layout selected or concept agreed | ☐ Timeline agreed |
| ☐ Access and delivery route confirmed | ☐ Colours / branding decisions noted |
| ☐ Surface preparation plan understood | ☐ Local approvals and requirements underway |

Project Information



PRICING

Custom quotes based on layout, access, and site requirements.

We'll provide a detailed proposal tailored to your project.



WARRANTY

10-year warranty on all modular track components.

Built tough for long-term community use.



EMAIL

sales@apollonzglobal.com

apollonzglobal.com

Project Confirmation Checklist

Use this checklist to confirm we've captured everything needed to move your project forward.

- | | |
|---|---|
| ☒ All project information provided | ☒ Surface preparation understood |
| ☒ Layout preference confirmed | ☒ Colours / branding confirmed |
| ☒ Site access and footprint confirmed | ☒ Delivery region confirmed |
| ☒ Budget stage and timeline confirmed | ☒ Approvals and requirements underway |

BUILD THE FLOW. GROW THE FACILITY.