TECHNICAL DATA SHEET

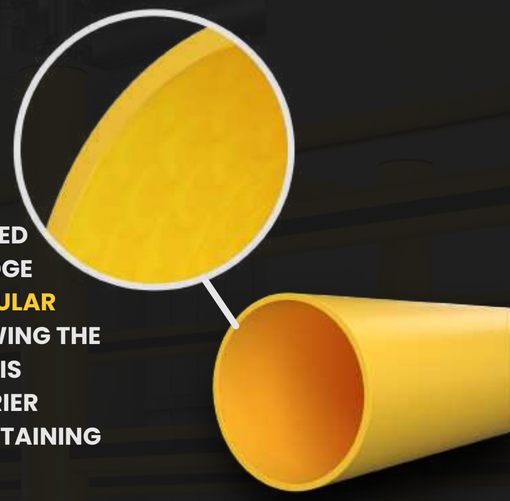
RAYSAN

Flexible Barrier
POLYGUARD
PuffyGuard

THINK
FLEX-
IBLE

U TYPE
TUNNEL BARRIER

DESIGNED FOR EASY INSTALLATION, THE U-TYPE TUNNEL BARRIER ENSURES HEIGHT RESTRICTION WHILE ENHANCING PEDESTRIAN AND MACHINERY SAFETY. IT PROTECTS OVERHEAD STRUCTURES FROM VEHICLE COLLISIONS AND PROVIDES A SECURE PASSAGE IN BUSY FACTORY AREAS. ITS REINFORCED STRUCTURE BOOSTS DURABILITY, REDUCING DAMAGE AND MAINTENANCE COSTS.



EXPERIENCE UNPARALLELED STRENGTH WITH OUR ADVANCED POLYMER, CRAFTED FROM A PREMIUM BLEND OF SOPHISTICATED POLYOLEFINS AND RUBBER ADDITIVES. THIS EXCLUSIVE COMPOSITION DELIVERS UNMATCHED DURABILITY AND FLEXIBILITY. OUR CUTTING-EDGE ENGINEERING PROCESS REORIENTS THE MOLECULAR STRUCTURE DURING MANUFACTURING, ENDOWING THE BARRIER WITH A UNIQUE BUILT-IN MEMORY. THIS INNOVATIVE FEATURE ENSURES THAT THE BARRIER RECOVERS COMPLETELY AFTER IMPACTS, MAINTAINING PEAK PERFORMANCE AND RELIABILITY.

STRONG AND LIGHTWEIGHT

Thanks to its unique chemical formula, our barrier surpasses steel barriers in both strength and weight. It is significantly lighter while maintaining its exceptional durability.

MODULAR

Thanks to its modular design, our barrier effortlessly adapts to the changing needs of your facility. This flexible solution is extremely easy to install, assemble, disassemble, relocate and organize.

NO CORROSION

Unlike steel barriers, our barriers are made of durable polymer materials, making them unaffected by environmental elements such as sunlight and rainwater.

NO PAINT AND MAINTENANCE NEEDED

Unlike Raysan's steel barriers that require regular painting and maintenance, our self-colored structure eliminates the need for these processes. Even if the barrier is scratched due to an impact, its surface retains its original color without any change.

ULTRAVIOLET RESISTANT

Our barriers are designed with exceptional resistance to UV radiation. Their chemical structure remains intact even after prolonged outdoor use, ensuring long-term durability.

ANTIBACTERIAL

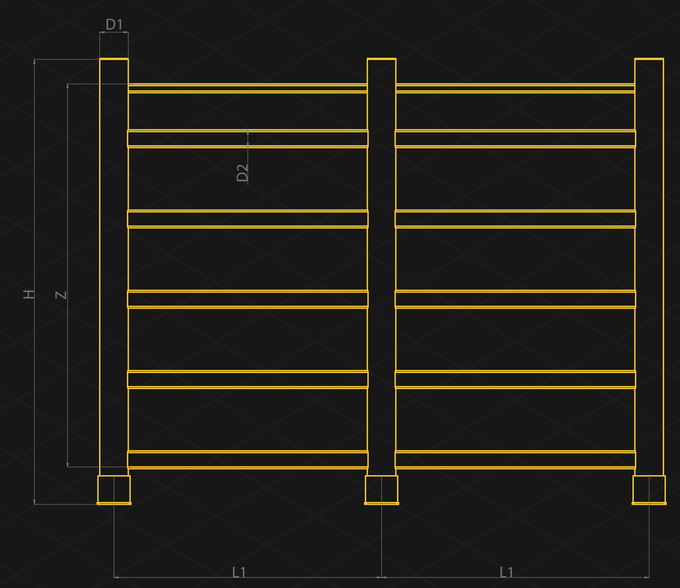
Our barriers have an exceptional chemical formula that prevents them from having any chemical reaction with the substances they come into contact with.

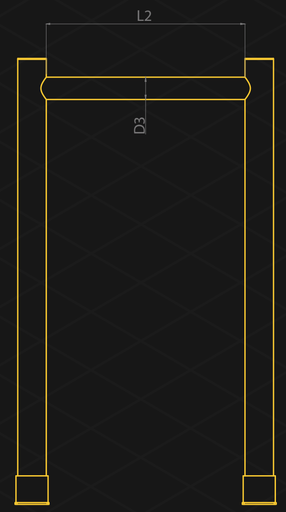
PRODUCT SPECIFICATIONS

ZETA

Post Dimension [D1]	Post Height [H]	Rail Dimension [D2]	Rail Dimension [D3]	Rail Length Range [L1]	Rail Length Range [L2]	Impact Zone [Z]
Ø160 mm	2495 mm	50 mm x 100 mm	Ø125 mm	1500 mm	900 mm - 1500 mm	1928 mm

TECHNICAL DRAWING





FIXING REQUIREMENTS

ELECTROSTATIC PAINT

STAINLESS STEEL

GALVANIZE

Concrete Quality	Minimum C25/30
Concrete Floor Plate Thickness [mm]	Minimum 150 mm
Water and Humidity	**Steel** [standart] : Suitable for dry indoor use only. **Galvanize** : Can be used in most outdoor environments. **Stainless Steel** : Ideal for outdoor use or environments with frequent exposure to water and humidity.

SUITABLE APPLICATION

BUILDING AND EQUIPMENT SAFEGUARDS

MACHINERY PROTECTION SOLUTIONS

PEDESTRIAN SAFETY SOLUTIONS

SUITABLE FOR

LIGHTWEIGHT FORKLIFT

ELEKTRIC STACKER

MANUAL PALLET

STANDART COLORS

RAL 1018 PANTONE 123C

RAL 9005 PANTONE BGC

*Please note that the RAL and PANTONE colours listed are the closest match to standard RAYSAN colours, but may not be exact matches of the actual product colour and should be used for guidance only.

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about our innovative products,
exceptional services &
global network of dealers.

RAYSAN

AS RAYSAN, WE ARE PROUD TO PIONEER THE FUTURE OF INDUSTRIAL SAFETY. WITH OUR STATE-OF-THE-ART FLEXIBLE PROTECTIVE BARRIERS AND SOLUTIONS, WE ARE AT THE FOREFRONT OF INNOVATION, PROTECTING WORKPLACES AROUND THE WORLD. OUR COMMITMENT TO EXCELLENCE AND UNWAVERING DEDICATION TO ADVANCING SAFETY STANDARDS HAS PROPELLED US TO THE TOP OF THE INDUSTRY.

YOUR TRUSTED PARTNER

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