

# RAYSAN

Flexible Barrier  
POLYGUARD  
PuffyGuard

## 1R COLUMN BARRIER

WITH ITS EASY-TO-ASSEMBLE DESIGN, THIS COLUMN PROTECTION BARRIER IS PERFECT FOR SAFEGUARDING STRUCTURAL COLUMNS IN INDOOR AND OUTDOOR ENVIRONMENTS WITH TRANSPORT AND LOADING TRAFFIC. IT SHIELDS COLUMNS FROM REPEATED FORKLIFT IMPACTS, REDUCING WEAR AND TEAR WHILE PRESERVING THE INTEGRITY OF THE INFRASTRUCTURE. ADDITIONALLY, IT HELPS ORGANIZE AND DEFINE SPACES, PROVIDING A DURABLE AND RELIABLE SOLUTION FOR HIGH-TRAFFIC AREAS.





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.

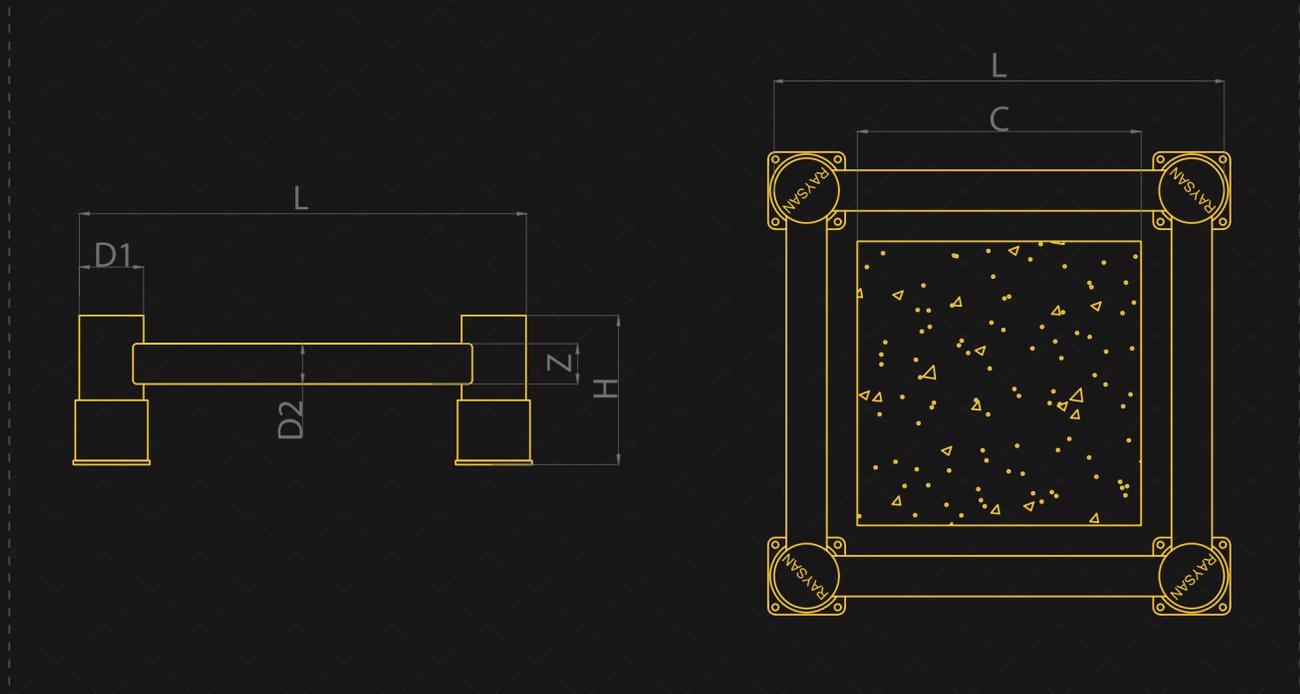


<b>ZETA</b>	Post Dimension [D1]	Rail Dimension [D2]	Height Max [H]	Barrier Length MAX [L]	Impact Zone [Z]
	Ø160 mm	100 mm x 100 mm	400 mm	Column [C] + 400 mm	100 mm

<b>TETA</b>	Post Dimension [D1]	Rail Dimension [D2]	Height Max [H]	Barrier Length MAX [L]	Impact Zone [Z]
	Ø125 mm	50 mm x 100 mm	400 mm	Column [C] + 330 mm	100 mm



TECHNICAL DRAWING



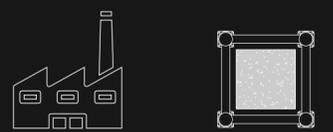
FIXING REQUIREMENTS

- ELECTROSTATIC PAINT
- STAINLESS STEEL
- GALVANIZE

**PULL OUT FORCE**  
↑ 16,4KN ↑  
GROUND

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

SUITABLE APPLICATION



BUILDING AND EQUIPMENT SAFEGUARDS  
COLUMN PROTECTION SOLUTIONS

SUITABLE FOR

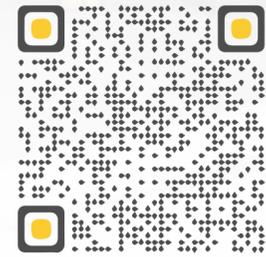


STANDART COLORS    RAL 1018 PANTONE 123C    RAL 9005 PANTONE B6C

\*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.

RAYSAN

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# 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