

# RAYSAN

Flexible Barrier  
POLYGUARD  
PuffyGuard

## 2R BARRIER XL HAND RAIL

OUR 2R TRAFFIC HAND RAIL BARRIER IS DESIGNED TO CONTROL VEHICLE MOVEMENT AND PROTECT ASSETS IN ENVIRONMENTS WITH LIGHT VEHICLE TRAFFIC. SUITABLE FOR BOTH INDOOR AND OUTDOOR USE, IT ENHANCES SAFETY BY MANAGING TRAFFIC FLOW AND REDUCING THE RISK OF COLLISIONS. ITS DURABLE, LOW-MAINTENANCE DESIGN ENSURES LONG-LASTING PERFORMANCE, EVEN IN HIGH-TRAFFIC AREAS. THE BARRIER'S MODULAR STRUCTURE ALLOWS FOR QUICK INSTALLATION AND EASY CUSTOMIZATION TO ADAPT TO VARIOUS LAYOUTS AND SAFETY NEEDS.



## 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.

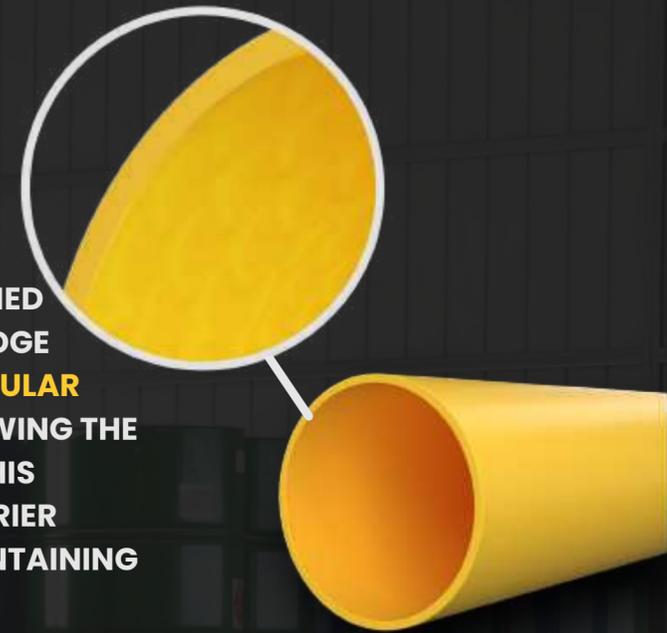
## ULTRAVIOLET RESISTANT

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.

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**.

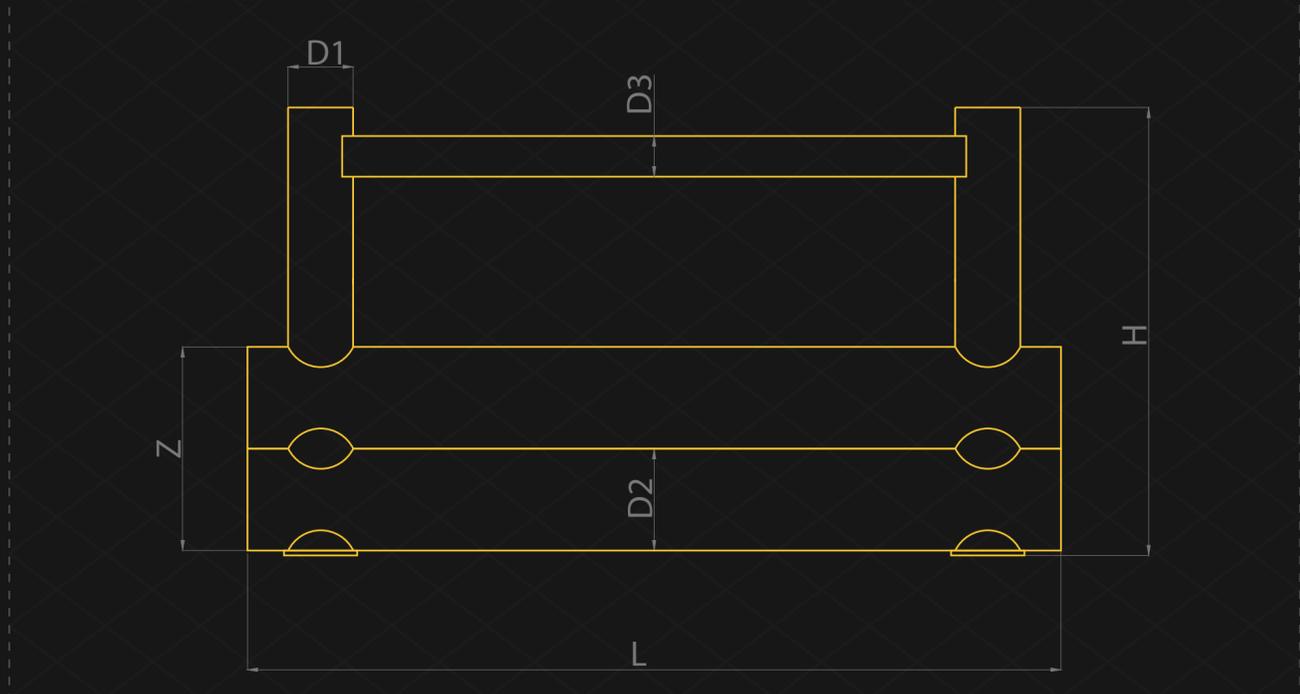


|             |                     |                 |                     |                     |                       |                 |
|-------------|---------------------|-----------------|---------------------|---------------------|-----------------------|-----------------|
| <b>ZETA</b> | Post Dimension [D1] | Post Height [H] | Rail Dimension [D2] | Rail Dimension [D3] | Rail Length Range [L] | Impact Zone [Z] |
|             | Ø160 mm             | 1100 mm         | Ø250 mm             | 50 x 100 mm         | 1000 mm - 2960 mm     | 500 mm          |

|             |                     |                 |                     |                     |                       |                 |
|-------------|---------------------|-----------------|---------------------|---------------------|-----------------------|-----------------|
| <b>TETA</b> | Post Dimension [D1] | Post Height [H] | Rail Dimension [D2] | Rail Dimension [D3] | Rail Length Range [L] | Impact Zone [Z] |
|             | Ø125 mm             | 1100 mm         | Ø160 mm             | 50 x 100 mm         | 1000 mm - 2925 mm     | 320 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                  | <b>Steel</b> [standart] : Suitable for dry indoor use only.<br><b>Galvanize</b> : Can be used in most outdoor environments.<br><b>Stainless Steel</b> : Ideal for outdoor use or environments with frequent exposure to water and humidity. |

SUITABLE APPLICATION



IMPACT ENERGY DETAILS

**90° IMPACT**

|             |              |
|-------------|--------------|
| <b>ZETA</b> | 23,100 JOULE |
| <b>TETA</b> | 14,800 JOULE |

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.

**BUILDING AND EQUIPMENT SAFEGUARDS**  
**MACHINERY PROTECTION SOLUTIONS**  
**PEDESTRIAN SAFETY SOLUTIONS**

SUITABLE FOR

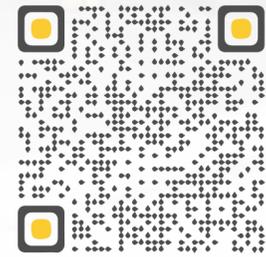


\*90° Impact on Mid Rail of Maximum Post Centres  
 \*Results are Reflecting instantaneous Impact Values  
 \*Does not Provide Resistance to Sharp Impacts

RAYSAN

Flexible Barrier PALLYGUARD PALLYGUARD

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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