

IC-R1DYN Dynamic Control Guard Rail

H:400 mm



Impact Control

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IC-R1DYN Dynamic Control Guard Rail

H:400 mm

The Dynamic Control R1 Guard Rail delivers modular, high-performance protection for industrial environments - combining controlled energy absorption, flexible configuration, and clear separation between people, equipment, and traffic zones.

EASY MAINTENANCE, MINIMAL DOWNTIME

Modular components enable fast replacement of individual rails or posts in case of damage - ensuring quick recovery and uninterrupted operations.

DUAL PROFILE OPTIONS

Available in two profile sizes - 80×40×2.9 mm and 80×80×2.9 mm - the system adapts to different protection demands, from standard applications to higher-impact environments.



MODULAR CONFIGURATION

The Dynamic Control R1 Guard Rail delivers modular protection, allowing flexible configurations including straight runs, L- and U-shaped layouts, and full perimeter protection around columns and equipment - available in multiple height options to suit varying protection requirements.

ALL-ENVIRONMENT DURABILITY

Electro-galvanized steel with high-performance powder coating (RAL 1018), providing long-term resistance to corrosion, UV exposure, chemicals, and demanding industrial conditions - with minimal maintenance.

CLEAR VISUAL & PHYSICAL GUIDANCE

Provides both a visible and physical boundary, helping to organize traffic flow, improve driver awareness, and reduce the risk of unintended contact in active environments.

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Product Specification and Use – H:400 mm



MATERIAL PROPERTIES

MATERIAL:	AISI 1020
YIELD STRENGTH:	3.51571e+08 N/m^2
TENSILE STRENGTH:	4.20507e+08 N/m^2



VOLUMETRIC PROPERTIES referring to Bollards only

MASS:	10.7 kg
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COLOR & COATING



BOLLARD

RAL1018. Electro-Galvanized + powder coating. According to ISO9001:2015, certified by SGS.



BASE

RAL9005. Electro-Galvanized + powder coating. According to ISO9001:2015, certified by SGS.



RAIL

Grey. Hot dip galvanized steel. Heavy duty structural finish.



DIMENSIONS

Height (H):	400 mm	Guard Rail (Standard):	80×40×2.9 mm
Bollard Profile:	80×80×5 mm	Guard Rail (HD):	80×80×2.9 mm
Base:	195×195×72 mm		



IMPACT RATING referring to Bollards only

2,800J



TEMPERATURE RATING & INSTALLATION

TEMPERATURE RATING
-40 to +65° C

INSTALLATIONS
On top of solid concrete surfaces only

ELASTOMER MATERIAL
NR (Natural Rubber)
SVR 3L



Anchor screws: 14×135 mm concrete screws

Impact Control

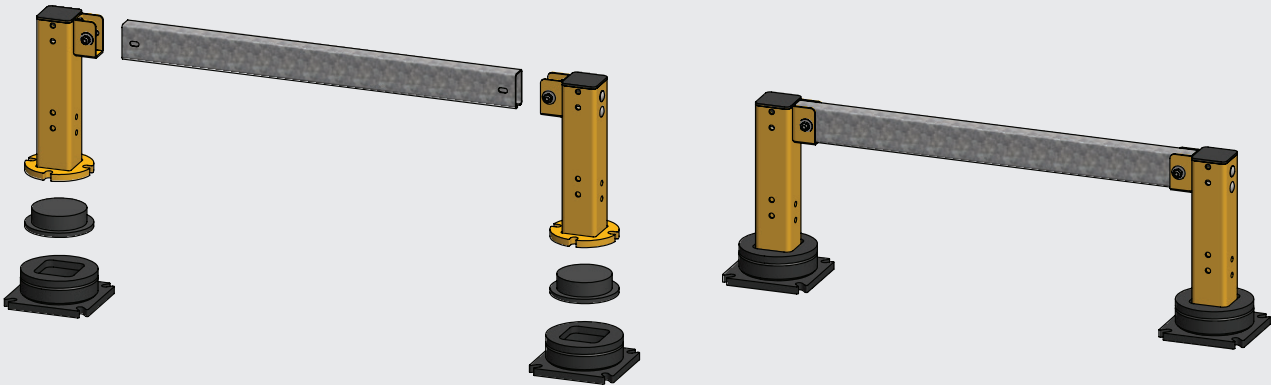
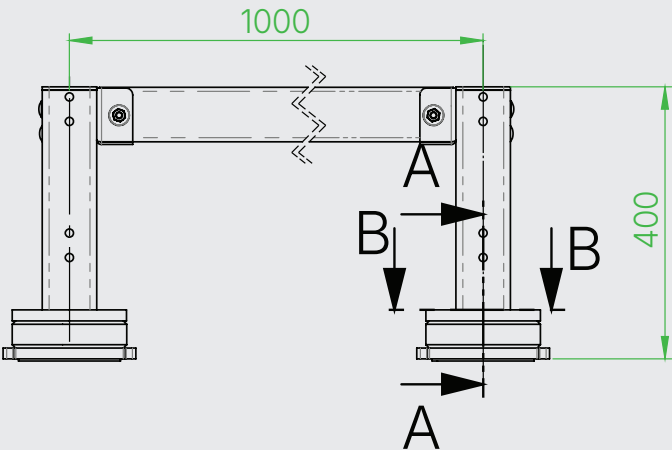
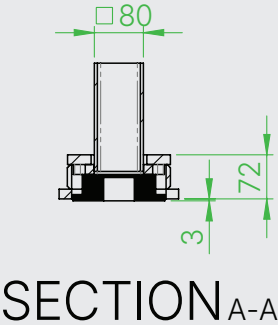
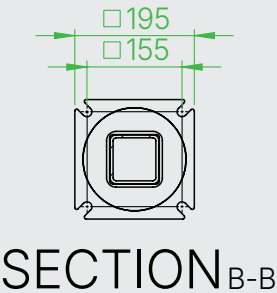


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 PRODUCT SPECIFICATIONS



IMPACT TEST RESULTS

