# IronFlex Single Rail Type 3

PROTECTIVE GUARDING - SLOWSTOP®

SPEC SHEET | P/N **SS-T3Y-50-SF-XX**

## Product Specifications

| | |
|---|---|
| Color | RAL 1023 Yellow Pipe on RAL 9005 Black Pedestal |
| Diameter | 177,8 mm (6,3 mm wall) |
| Height | 50 cm to centerline |
| Width | Up to 2,5 m centers |
| Impact Rating | Rail 65,000 joules<br>Post 26,700 joules |
| Temperature Rating | -40°C - 70°C |
| Pipe Coating | EN-ISO 1461 Galvanized + Polyester Powder Coating |
| Cast-Iron Coating | Environmentally Friendly Water-based KTL Coating + Polyester Powder Coating. C5I corrosion resistance. |
| Set Screws | M16 x 2,00 – 8 mm Hex |
| Anchor Screws | M16 x 140 Concrete |

## Recommended Uses

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|---|
| Heavy duty |
| Rack and equipment guarding |
| Access denial |
| Utility and fuel protection |
| Conveyer and wall guarding |
| Pit protection |

## Rail Impact Chart

| Impact Angle | 90° | 45° | 30° |
|---|---|---|---|
| Rating (joules) | 65,000 | 130,039 calculated | 260,000 calculated |
| Mass (kg) | Speed (kph) | Speed (kph) | Speed (kph) |
| 5.000 | 18,4 | 26,0 | 36,7 |
| 7.500 | 15,0 | 21,2 | 30,0 |
| 10.000 | 13,0 | 18,4 | 26,0 |
| 15.000 | 10,6 | 15,0 | 21,2 |
| 20.000 | 9,2 | 13,0 | 18,4 |
| 25.000 | 8,2 | 11,6 | 16,4 |
| 30.000 | 7,5 | 10,6 | 15,0 |
| 35.000 | 6,9 | 9,8 | 13,9 |
| 40.000 | 6,5 | 9,2 | 13,0 |

## Post Impact Chart

| Impact Angle | 90° | 45° | 30° |
|---|---|---|---|
| Rating (joules) | 26,700 | 53,416 calculated | 106,800 calculated |
| Mass (kg) | Speed (kph) | Speed (kph) | Speed (kph) |
| 5.000 | 11,8 | 16,6 | 23,5 |
| 7.500 | 9,6 | 13,6 | 19,2 |
| 10.000 | 8,3 | 11,8 | 16,6 |
| 15.000 | 6,8 | 9,6 | 13,6 |
| 20.000 | 5,9 | 8,3 | 11,8 |
| 25.000 | 5,3 | 7,4 | 10,5 |
| 30.000 | 4,8 | 6,8 | 9,6 |
| 35.000 | 4,4 | 6,3 | 8,9 |
| 40.000 | 4,2 | 5,9 | 8,3 |

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The products mentioned in this document are covered by the following U.S. and international patent numbers: 7,195,422 | 7,621,691| D937,700 | D620,823 | D620,824 |D620,825 | EP 2 267 225 | EP 2 888 412 | 9,938,677 | 11,136,735 | D932,875. Other U.S. and International patents pending.