

ANTI-STATIC BARS

3024 24VDC IONISING BAR

The ultimate static eliminator for machinery manufacturers: compact, with built-in electronics, 24 V DC supply and very powerful performance.

Static neutralisation to meet the requirements of high performance machinery. Integrated high voltage power supply, requires only a low voltage 24 V DC input.

- > Shockless, resistively coupled emitters made in tungsten for unlimited life.
- > LED status indication: Bar OK: (green), fault (red).
- > Remote monitoring of operational status.
- > 100% coverage.
Effective length = Overall length.
No dead zone.
- > Standard M8 4 pin connector.
- > Available in two versions:
 1. **3024 F** - high speed version for speeds up to 1000m/min, for distances from 25mm to 50mm.
 2. **3024 L** - longer range version for distances from 100mm to 500mm



Specification

Electrical Supply:	24 V DC (21-28 V), maximum current required 0.5 A. M8 connector. The M8 x 4 core cable must be ordered separately - see cable options on page two.
Remote Monitor:	Sends 24 V signal to the PLC or other destination. This voltage is taken from the power to the Bar - no additional power source is required.
High Voltage Supply:	9 kV supply integrated into Bar.
Construction:	FR-ABS Industrial grade extrusion, epoxy resin, tungsten emitters.
Protection Classification:	IP66. Fully sealed.
Environment:	-10 to 55°C, 70 % rH non-condensing.
Options:	90-250 V AC, Power Supply. Code: E3024-PSU
Weight:	1.1 kg/m.
Standards:	CE, UL, CB.

Two Versions

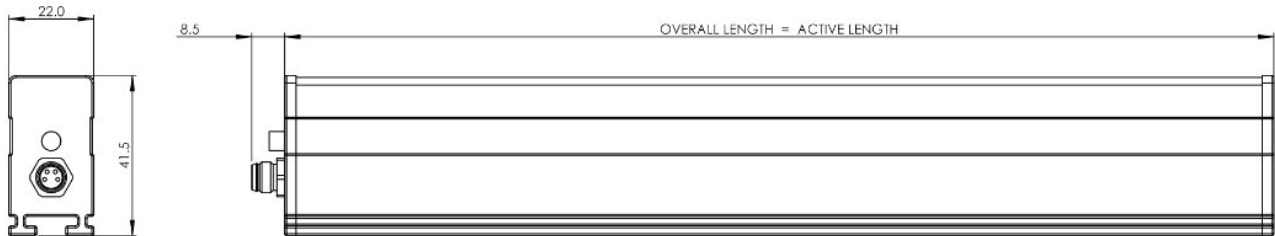
3024 F (fast)

- > Designed to cope with speeds in excess of 1000m/min.
- > Ideal for fast-moving materials.
- > Minimum length 250mm, available in 50mm steps to 5m.
- > Operating distance from 25mm to 150mm.

3024 L (longer range)

- > Designed to cope with distances from 100mm to 500mm.
- > Ideal for applications with changing geometry.
- > Minimum length 300mm, available in 100mm steps to 5m.
- > Operating distance 100 - 500mm.

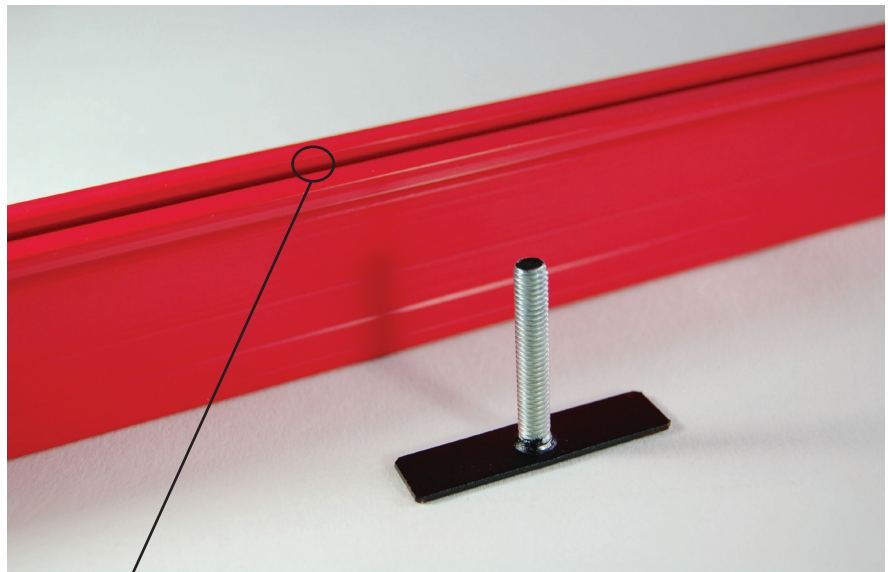
Dimensions



Mounting

'T' M6 x 40 stud and flange nut. Two mounting blocks for Bars up to 1m, plus 1 extra for every additional 500mm.

Other stud lengths are available, please contact the manufacturer for options.



The 'T' fixing bracket slides into the slot in the bottom of the Bar.

Accessories/Spares

Description	Part No.	Description	Part No.
3m cable with 180° connector	80892	3m cable with 90° connector	80933
5m cable with 180° connector	80930	5m cable with 90° connector	80934
7.5m cable with 180° connector	80931	7.5m cable with 90° connector	80935
10m cable with 180° connector	80932	10m cable with 90° connector	80936
Additional mounting set	30248	External Power Supply	E3024-PSU

Cables must be ordered separately in addition to Bar. They have standard M8 4 pin female connectors.

3024_DS_Iss7