

 **Weld Immune Factor 1 Sensors**  
**SteelFace with weld resistant coating**

For error-proofing and part-present applications in heavy manufacturing, inductive sensors are often - by necessity - placed directly in harm's way. Impact, abrasion, and particulate erosion can destroy conventional plastic-faced sensors and their thin metal bodies.

# STEELFACE

Balluff SteelFace™ sensors are designed and built tough to survive longer in your most abusive applications. For applications that require something more compact than a tubular sensor, Balluff is pleased to offer the all new flatpack SteelFace sensors. The one piece stainless steel housing offers a robust operating face for the most demanding applications. Add our all new patent pending coating and you have the ideal sensor for extreme applications.



**Before**

*Weld spatter after one shift of production*



**After**

*Sensor cleaned after one shift of production*

**Features**

- One piece stainless steel housing
- 5mm operating distance (Flush)
- Factor 1 – All metals
- Weld slag resistant W51 coating – (Patent Pending)
- Weld Field Immune
- High switching frequency
- Round corner housing

**Application areas**

- Welding
- Stamp and die
- Automotive industry
- Automated assembly
- Conveyor technology
- Lightweight construction



Ordering code	Part number	Description
<b>BES04AH</b>	BES R01EC-PSC50A-BP00,3-GS04-W50 <sub>1</sub>	20.0x32.0x8.0 mm, SteelFace
<b>BES049Y</b>	BES R01EC-PSC50A-BP00,3-GS04-W51 <sub>2</sub>	20.0x32.0x8.0 mm, SteelFace with weld resistant coating (patent pending)