



# Enclosure - Explosion Proof STAINLESS STEEL JUNCTION BOX

## Explosion Proof Junction Box > Stainless Steel JB125 Series

### Product overview

The JB125 junction box range has been approved for use in potentially explosive atmospheres and harsh environmental conditions.

Typical applications are Oil and Gas, On-shore and Offshore, Chemical, Petrochemical, Refineries & Marine locations etc.

The enclosures are machined from marine grade 316 stainless steel and are supplied with four pre-drilled conduit entries.

They have been designed to offer maximum space for cable termination with a choice of either an 8 or 10 way terminal block.

### Features/Certifications

- Approved by ATEX, IECEx
- CQST (Available on request only)
- ATEX: II 2G Exd IIC T4 - T6 (incorporating IIA & IIB )
- Zones 1, 2, 21 & 22
- Conforms to EN (IEC) 60079-0  
EN (IEC) 60079-1 and EN54
- Dustproof & Weatherproof

## JB125 Series > Ordering Information

Follow the chart (right) to generate your part code.

| JB125 | Terminal Block          | Cable Entry    | Finish Colour      |
|-------|-------------------------|----------------|--------------------|
| +     | <b>08</b><br>= 8 Holes  | <b>A</b> = M20 | <b>RD</b> = Red    |
|       |                         |                | <b>YW</b> = Yellow |
|       |                         |                | <b>BU</b> = Blue   |
|       | <b>10</b><br>= 10 Holes | <b>B</b> = M25 | <b>BL</b> = Black  |
|       |                         |                | <b>OR</b> = Other  |

**MODEL CONFIGURATOR** (By using the table above, complete this box sequence to select your required junction box)

|              |                      |                      |                      |
|--------------|----------------------|----------------------|----------------------|
| <b>JB125</b> | <input type="text"/> | <input type="text"/> | <input type="text"/> |
|              | Terminal Block       | Cable Entry          | Finish Colour        |

Note: All customers orders will be confirmed in writing. Care should be taken that the correct code has been ordered as be-spoke manufactured products cannot be returned for exchange or credit later.

**Kg** 3.5

**°C** -40+70

**IP** 66

**INDUSTRIAL**

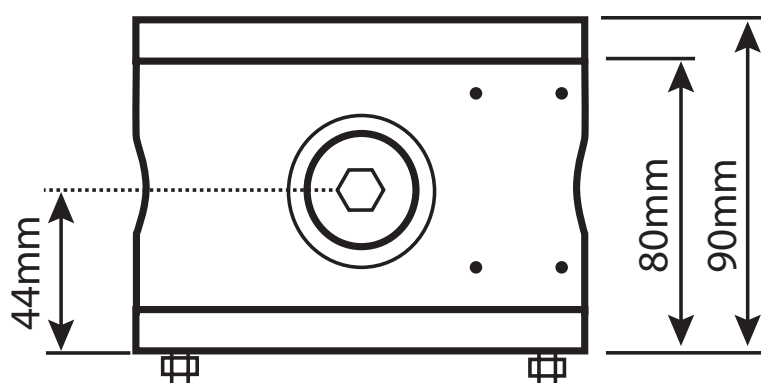
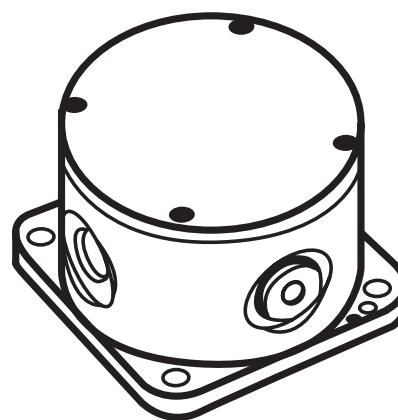
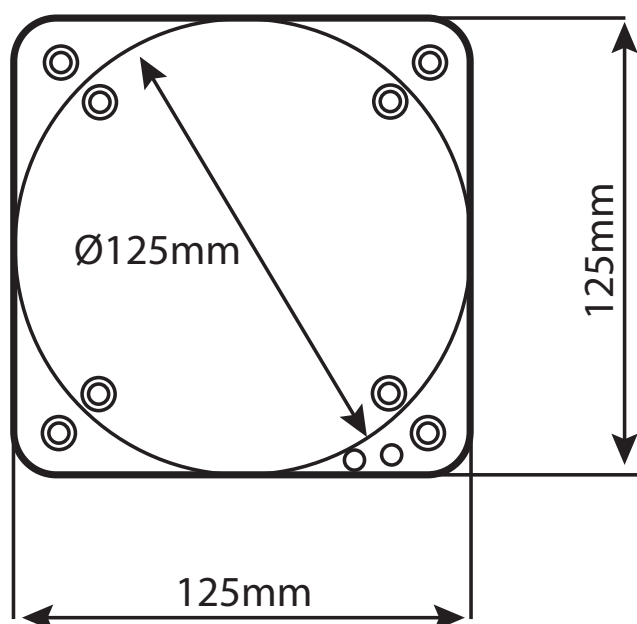
**MARINE**

**FIRE**

APPROVALS and  
CONFORMITIES



**STAINLESS  
STEEL**



## Explosion Proof Junction Box> Stainless Steel JB125 Series

### General Information

|                |                                                                                 |
|----------------|---------------------------------------------------------------------------------|
| EX CODE:       | Exd IIC T4 - T6                                                                 |
| CERTIFICATION: | ATEX (Nemko 14 5426X), IECEx (NEM 14.0012X)<br>CQST (Available on request only) |
| TYPE:          | Junction Box                                                                    |

### Mechanical Specifications

|                      |                                                                    |
|----------------------|--------------------------------------------------------------------|
| MATERIAL:            | Enclosure: Stainless Steel 316                                     |
| ENCLOSURE COLOUR:    | Red (RAL3001), Yellow (RAL1003)<br>Blue (RAL5005), Black (RAL9004) |
| AMBIENT TEMPERATURE: | -40 to +70                                                         |
| HUMIDITY:            | ≤ 95% RH                                                           |
| WEIGHT:              | 3.5 Kg / 7.7 lb                                                    |
| DIMENSIONS:          | Width/Length: 125mm / 4.92" Height: 90mm / 3.54"                   |
| INGRESS PROTECTION:  | IP 66                                                              |

### Electrical Specifications

|              |                                                                                                                                          |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------|
| TERMINATION: | Accepts upto ≤ 2.5mm <sup>2</sup> incorporating rising clamp protectors                                                                  |
| CABLE ENTRY: | 4 x M20 or M25<br>For 1/2" or 3/4"NPT requirements, male/female adapter glands are available. Contact sales dept for further part codes. |

### Accessories

|                                                   |                                                                                                                                                                         |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 50210:                                            | M20 E1EX Stainless Steel Gland<br>(Multi Armour Cone) Atex Cat 2 & 3,<br>EExde IIC 2 GD<br>Cable ID 11 - 15.5mm<br>OD 14.5 - 21mm<br>Gland for Multi Armoured Cable *   |
| 50211:                                            | M20 A2EX Stainless Steel Gland<br>Atex Cat 2 & 3, EExde IIC 2 GD<br>Cable OD 11 - 15.5mm<br>Gland for Unarmoured Cable *                                                |
| 50212:                                            | M20 E1EX-QS Stainless Steel Gland<br>(Ex d IIC, Ex e IIC, Ex nR IIC, Ex tb IIIC)<br>Cable OD 14.5 - 20.5mm<br>Barrier Gland for Steel and<br>Aluminium Armoured Cable * |
| 50213:                                            | M20 A2EX Quick Stop<br>Stainless Steel Gland<br>(Ex d IIC, Ex nR IIC, Ex tb IIC)<br>Cable OD 9 - 15mm<br>Barrier Gland for Unarmoured Cable *                           |
| 50214:                                            | M20 Stainless Steel Stopping Plug<br>Atex EExde I/IIC<br>Standard M20 Blanking Plug                                                                                     |
| 50221:                                            | Epoxy Minute Adhesive 24m/l tube<br>One tube sufficient for five barrier glands                                                                                         |
| * 15mm Thread length for Stainless Steel products |                                                                                                                                                                         |
| Note:                                             | M25 options available for the above                                                                                                                                     |