

 **PowerProtect<sup>+</sup>**  
**HSI Wall Entry Systems****Product Description**

Emtelle Wall Entry Systems are supplied within an Integrated Management System, incorporating internationally recognised Standards including ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018.

**Application**

With a nominal diameter of 90 or 150mm, the HSI1 is designed for cable entries for installation in concrete walls flush with shuttering. The HSI wall insert offers maximum flexibility for retrofitting. It is delivered fitted with a pressure-tight closing cover as standard. Various closed or split system seals can be supplied for sealing cables depending on prevailing requirements. Seals for pressure-tight empty conduit connection are also available.

**Material & Technical data**

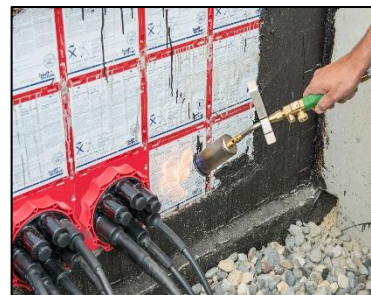
Wall Entry systems are manufactured from ABS and TPE materials suitable for the required properties of the finished product.

**Colours**

Standard colours are **Red & Black**.

**Features**

- Available in a variety of configurations to suit various duct & cable sizes and applications.
- Bespoke options available upon request.



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## Standard Dimensions & Product Codes

| Wall Inserts & Flanges         |  |   |
|--------------------------------|--|---|
| Code                           | Description  | Image   |
| HSI90 K2/X<br>HSI150 K2/X      | Double Wall Insert<br><i>(for setting in concrete)</i>   |    |
| HSI90 K/X<br>HSI150 K/X        | Single Wall Insert<br><i>(for setting in concrete)</i>   |    |
| HSI90 DF                       | Aluminium Flange<br><i>(for retrofit dowelling)</i>  |    |
| HSI150 DFK                     | Polymer Flange<br><i>(for retrofit dowelling)</i>  |   |
| HSI150 K2 Varia                | Double Wall Insert<br><i>(adjustable length for setting in concrete)</i>   |  |
| HSI150 GSM Varia               | Single wall insert with plug-in socket<br><i>(adjustable length for setting in concrete and connecting smooth cable ducts)</i> |  |
| HSI150 GSM                     | Single wall insert with plug-in socket<br><i>(for setting in concrete and connecting smooth cable ducts)</i>                   |  |
| HSI150 1x(z) K2<br>AF/X        | Double wall insert with integrated patch flange<br><i>(for setting in concrete)</i>  |  |
| BD                             | Site power supply entry<br><i>(for secondary substations)</i>  |  |
| HSI150 FLFE/X<br>DIN18533 W2-E | Double wall insert<br><i>(for setting in concrete, for black tank with fixed/loose flange)</i>                                 |  |









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| HSI90 1xz K S_°/X<br>HSI150 1x(z) K S_°/X | Slanted single wall insert<br>(for setting in concrete)                |    |
|---|--|---|
| HSI90 1xz K2 S_°/X<br>HSI150 1xz K2 S_°/X | Slanted double wall insert<br>(for setting in concrete)                |    |
| System Covers and Seals for Cables        |  |   |
| Code                                      | Description  | Image   |
| HSI150 DG                                 | Split system cover<br>(for retrofit sealing)                           |    |
| HSI90 D                                   | Closing cover<br>(for empty wall inserts and aluminium flange)         |    |
| HSI150 DT                                 | Closing cover<br>(for empty wall inserts and plastic flange)           |   |
| HRD 94/83 GF-z/d b60 A2/EPDM55            | Press seal<br>(for retrofit sealing)                                   |  |
| HRD150/160 SGi b60                        | Individual press seal<br>(with segmented ring technology)              |  |
| SEG                                       | SEGMENTO<br>(segments for installation in the HSI 150-S3 system cover) |  |
| HSI150 S3                                 | SEGMENTO<br>(system cover for holding segments)                        |  |
| HSI90 D... KS<br>HSI150 D... KS           | System cover<br>(cable seal with cold shrink-fit method)               |  |

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| HSI90 D... WS<br>HSI150 D... WS                | System cover<br><i>(cable seal with heat shrink-fit method)</i>                             |    |
|--|---|---|
| System Covers for Connecting Cable Ducts       |   |   |
| Code   | Description   | Image   |
| HSI150 D1x... GSM                              | System cover<br><i>(with plug-in socket for smooth cable ducts)</i>                         |    |
| HSI90 MA...GR                                  | System cover<br><i>(with sleeve method for smooth cable ducts)</i>                          |    |
| HSI150 MA...                                   | System cover<br><i>(with sleeve method for smooth cable ducts)</i>                          |    |
| KES MA150 D                                    | System cover<br><i>(for connection to the wall insert HSI 150)</i>                          |   |
| HSI90 D1x75 KS<br>WR<br>HSI150 D1x... KS<br>WR | System cover<br><i>(with cold shrink-fit method for corrugated cable ducts)</i>             |  |
| HSI90 MA... WR<br>HSI150 MA... WR              | System cover<br><i>(with sleeve method for corrugated cable ducts)</i>                      |  |
| Cable Entry System                             |   |   |
| Code   | Description   | Image   |
| KES150 MA160-<br>172/140-163                   | Pipe connection sleeve<br><i>(for connecting smooth cable ducts)</i>                        |  |
| KES150 MA WE160<br>SG SET                      | Sealing set interchangeable insert<br><i>(for cable seal at the end of the spiral hose)</i> |  |

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|                 |   |   |
|-----------------|---|---|
| Hateflex14150/x | <p>Spiral hose</p> <p><i>Pressure-tight, flexible empty conduit system (external pressure 2.5 bar) with a smooth inner surface for gentle cable draw-in</i></p> |  |
|-----------------|---|---|

### Packaging and Labelling

Wall Entry Systems are supplied in cardboard boxes which are designed to be stored on even, stable ground. All packaging should be recycled locally.

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