

# HPFLEX® CORRUGATED JOINER

Pliable Electrical Corrugated Joiner with Dual Spigots - uPVC



**25 YEAR  
LIMITED  
WARRANTY\***



**MANUFACTURED  
IN AUSTRALIA**



**B.E.P CERTIFIED**



**2100N  
COMPRESSION  
STRENGTH**



**28J & 40J  
IMPACT  
RESISTANCE**



**EXTREME UV (T)  
STABILISATION**



**REGISTERED  
DESIGN  
201917034**

**HPFLEX® Corrugated Joiner** is our new and exclusive product to HP Profiles. Manufactured in Australia with B.E.P certified material, our corrugated joiner is an innovative alternative to conduit bends, building connections, and other installations requiring increased flexibility. Spigots are incorporated in the design allowing for easy installation into existing rigid conduit bells.

The Corrugated Joiner can be installed indoors, outdoors, buried underground or embedded in concrete. It's UV stabilised and can withstand up to 2100N compression.

Unplasticised PVC is a cost-effective polymer with high resistance to impact, water, weather, chemicals and corrosive environments.

## PROPERTIES

|                        |                                   |
|------------------------|-----------------------------------|
| Material               | uPVC                              |
| Rated Duty             | Heavy-duty                        |
| Colour                 | Orange RAL 2012<br>White RAL 9003 |
| B.E.P Certified        | Yes                               |
| Flame Resistance       | Non-flame propagating (UL94-V0)   |
| Lead Free              | Yes                               |
| Dielectric Strength    | 10 - 40 kV/mm                     |
| Halogen Free           | No                                |
| Ageing Resistance      | > 25 years                        |
| Rodent repellent       | Not attractive to rodents         |
| Country of Manufacture | Australia                         |

## SPECIFICATIONS

|                             |                              |
|-----------------------------|------------------------------|
| Compression Strength        | 2100 N                       |
| Impact Resistance           | Ø100 - 28J<br>Ø150 - 40J     |
| UV Resistance               | Extreme UV (T)               |
| Minimum Working Temperature | -5°C                         |
| Maximum Working Temperature | +60°C                        |
| Resistance to Bending       | Pliable                      |
| Working Bending Radius      | Ø100 - 500mm<br>Ø150 - 720mm |

## STANDARDS

|             |                                        |
|-------------|----------------------------------------|
| Ø100 & Ø150 | IEC 61386-22<br>IEC 61386-24 Type N750 |
|-------------|----------------------------------------|

\*HP Profiles' liability diminishes over the term of the warranty.

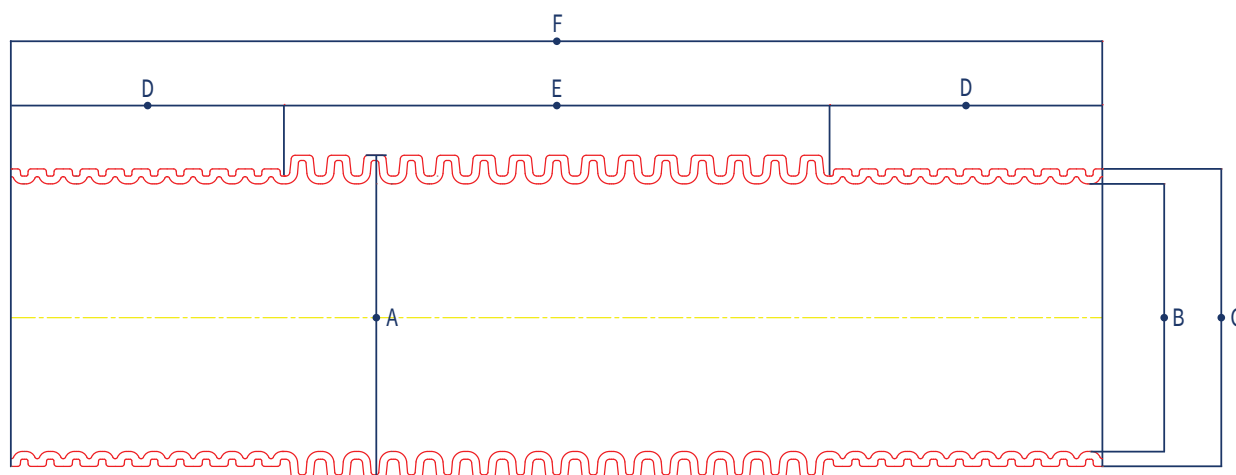
Product information and relevant documents are subject to change. We reserve the right to change material specifications without notice.

Specifications listed are not limited and may extend past the scope of this document.

Dimensions given are approximate as shrinkage can occur after production. 25-year warranty is subject to terms & conditions, contact us or go to [www.hpprofiles.com/warranty](http://www.hpprofiles.com/warranty) for full T&C's.

## Drawing and Dimensions

### Corrugated Joiner Technical Drawing



Registered Design 201917034

| TYPE        | A<br>OUTER DIAMETER | B<br>MINIMUM INNER DIAMETER | C<br>SPIGOT O.D      | D<br>SPIGOT LENGTH | E<br>CORRUGATED LENGTH | F<br>TOTAL LENGTH   |
|-------------|---------------------|-----------------------------|----------------------|--------------------|------------------------|---------------------|
| Ø100 - 2.1m | 125mm (+0, -1.2mm)  | 100.3mm                     | 114.5mm <sup>1</sup> | 105mm              | 1890mm                 | 2100mm <sup>3</sup> |
| Ø150 - 2.1m | 180mm (+0,-1.8mm)   | 140.9mm                     | 160.3mm <sup>2</sup> | 105mm              | 1820mm                 | 2030mm <sup>3</sup> |

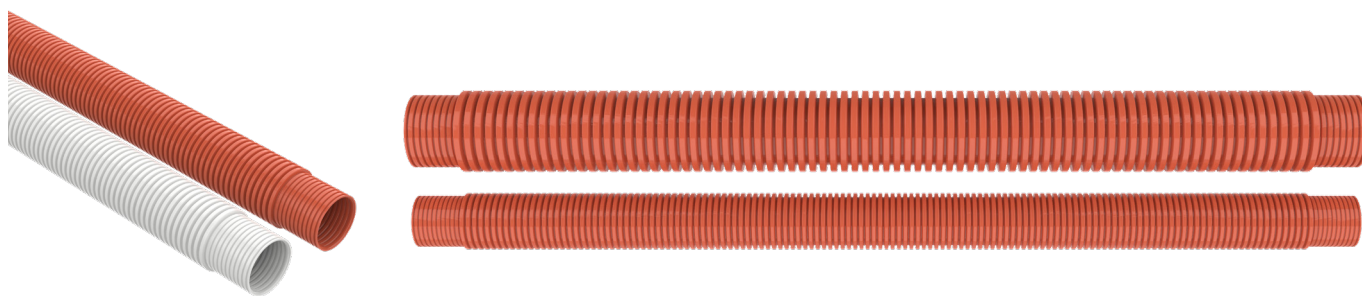
<sup>1</sup> Ø100 spigot outer diameter fits into a standard 100mm rigid conduit bell.

<sup>2</sup> Ø150 spigot outer diameter fits into a standard 150mm rigid conduit bell.

<sup>3</sup> Dimensions are approximate as shrinkage can occur during production.

| NOMINAL (mm) | PART NUMBER | DESCRIPTION                                                           |
|--------------|-------------|-----------------------------------------------------------------------|
| Ø100         | HPPCJ100    | HPFLEX® Heavy Duty Electrical Corrugated Joiner 100mm x 2.1m - Orange |
|              | HPPCJ100W   | HPFLEX® Heavy Duty Electrical Corrugated Joiner 100mm x 2.1m White    |
| Ø150         | HPPCJ150    | HPFLEX® Heavy Duty Electrical Corrugated Joiner 150mm x 2.1m Orange   |
|              | HPPCJ150W   | HPFLEX® Heavy Duty Electrical Corrugated Joiner 150mm x 2.1m White    |

### Additional Images



#### Suggested use

HPFLEX® Corrugated Joiner is designed to connect rigid conduit together with increased flexibility. Suitable for connections to buildings or as a bend alternative, this product removes the need for worm clamps and rubber joiners, significantly reducing costs and installation time.