



**UNITRUNK**

# SECTION 07: INTELOK® CHANNEL & SUPPORT SYSTEMS

Unitrunk's Intelok® Channel is a strong, easy to erect support system, ideal for supporting cable trays, cable ladders, pipes and ducting, and is adaptable for use in many other applications. The flanges on Intelok® channel are serrated to give improved slip resistance over that of conventional 'strut/support channel' systems, particularly when Intelok® channel nuts are used.

serrated teeth for maximum slip resistance



Intelok® channels are made in deep, shallow and multiple combination profiles. Standard lengths are either 3 or 6 metres, with other lengths available to order. Intelok® channel thickness is 2.5mm or 1.5mm as standard. When used with our extensive range of brackets, an infinite variety of frameworks and structures can be created. Intelok® channels conform to BS6946.

Intelok® Channels are supplied in the following finishes:

### Straight Channel

- Hot dip galvanized Structural Steel (Steel BS EN 10025-2 and Galvanising BS EN 1461:2009)
- Pre-Galvanised Structural Steel (Steel BS EN 10326)

### Brackets

- Hot dip galvanized Mild Steel (Steel BS EN 10111 / BS EN 10130 and Galvanising BS EN 1461:2009)

### Straight Channel & Brackets

- Stainless steel grade 1.4404 (316 marine) to BS EN10088-2:2005

ACCREDITED TO THE FOLLOWING STANDARDS:

**UK  
CA**

The safe loading figures are based on:

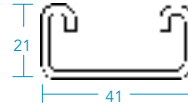
- a) The x-x axis
- b) A simply supported beam
- c) Pre-galvanised steel - yield 250N/mm<sup>2</sup>
- d) A safety factor of 1.6



## CHANNEL & SUPPORT SYSTEMS

### Shallow Channel

Part Code	Length (m)	Finish
UC4121/3	3	Galvanized to BS EN10346
UC4121/6	6	Galvanized to BS EN10346
GMUC4121/3	3	Hot Dipped to BS EN ISO 1461
GMUC4121/6	6	Hot Dipped to BS EN ISO 1461

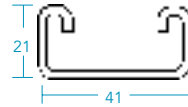


Span (m)	0.50	0.75	1.00	1.50	2.00	2.50	3.00
Deflection at load*mm	1.70	3.90	6.90	15.60	27.70	43.30	62.30
Safe UDL **kg	239	172	128	84	61	47	38

\* Including weight of channel.  
\*\* Excluding weight of channel.

### Slotted Shallow Channel

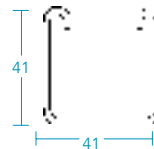
Part Code	Length (m)	Finish
UC4121S/3	3	Galvanized to BS EN10346
UC4121S/6	6	Galvanized to BS EN10346
GMUC4121S/3	3	Hot Dipped to BS EN ISO 1461
GMUC4121S/6	6	Hot Dipped to BS EN ISO 1461



Span (m)	0.50	0.75	1.00	1.50	2.00	2.50	3.00
Deflection at load*mm	1.90	4.30	7.70	17.30	30.70	48.00	69.10
Safe UDL **kg	238	158	118	77	56	44	35

### Deep Channel

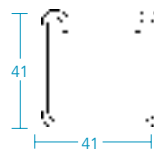
Part Code	Length (m)	Finish
UC4141/3	3	Galvanized to BS EN10346
UC4141/6	6	Galvanized to BS EN10346
GMUC4141/3	3	Hot Dipped to BS EN ISO 1461
GMUC4141/6	6	Hot Dipped to BS EN ISO 1461



Span (m)	0.50	0.75	1.00	1.50	2.00	2.50	3.00
Deflection at load*mm	0.90	2.10	3.70	8.20	14.60	22.80	32.90
Safe UDL **kg	837	557	416	275	204	161	132

### Slotted Deep Channel

Part Code	Length (m)	Finish
UC4141S/3	3	Galvanized to BS EN10346
UC4141S/6	6	Galvanized to BS EN10346
GMUC4141S/3	3	Hot Dipped to BS EN ISO 1461
GMUC4141S/6	6	Hot Dipped to BS EN ISO 1461



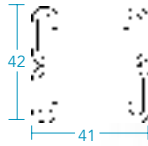
Span (m)	0.50	0.75	1.00	1.50	2.00	2.50	3.00
Deflection at load*mm	1.00	2.20	4.00	8.90	15.90	24.80	35.70
Safe UDL **kg	776	516	386	255	189	149	122

## CHANNEL & SUPPORT SYSTEMS

### Back To Back Shallow Channel

Part Code	Length (m)	Finish
UC4142/3	3	Galvanized to BS EN10346
UC4142/6	6	Galvanized to BS EN10346
GMUC4142/3	3	Hot Dipped to BS EN ISO 1461
GAUC4142/6	6	Hot Dipped to BS EN ISO 1461

Span (m)	0.50	0.75	1.00	1.50	2.00	2.50	3.00
Deflection at load *mm	1.00	2.30	4.10	9.20	16.40	25.60	36.80
Safe UDL **kg	736	489	365	240	177	138	112

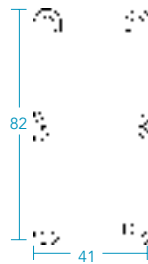


Solid Channel in stock, slotted on request.

### Back To Back Deep Channel

Part Code	Length (m)	Finish
UC4182/3	3	Galvanized to BS EN10346
UC4182/6	6	Galvanized to BS EN10346
GMUC4182/3	3	Hot Dipped to BS EN ISO 1461
GMUC4182/6	6	Hot Dipped to BS EN ISO 1461

Span (m)	0.50	0.75	1.00	1.50	2.00	2.50	3.00
Deflection at load *mm	0.50	1.10	2.00	4.60	8.20	12.80	18.40
Safe UDL **kg	2372	1579	1186	784	583	462	380

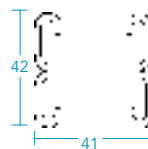


Solid Channel in stock, slotted on request.

### Back To Back Shallow Channel Slotted

Part Code	Length (m)	Finish
UC4142S/3	3	Galvanized to BS EN10346
UC4142S/6	6	Galvanized to BS EN10346
GMUC4142/3	3	Hot Dipped to BS EN ISO 1461
GMUC4142/6	6	Hot Dipped to BS EN ISO 1461

Span (m)	0.50	0.75	1.00	1.50	2.00	2.50	3.00
Deflection at load *mm	0.50	1.10	2.00	4.60	8.20	12.80	18.40
Safe UDL **kg	2372	1579	1186	784	583	462	380



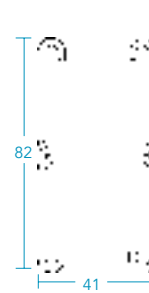
# CHANNEL & SUPPORT SYSTEMS

# 07

## Back To Back Deep Channel Slotted

Part Code	Length (m)	Finish
UC4182S/3	3	Galvanized to BS EN10346
UC4182S/6	6	Galvanized to BS EN10346
GMUC4182S/3	3	Hot Dipped to BS EN ISO 1461
GMUC4182S/6	6	Hot Dipped to BS EN ISO 1461

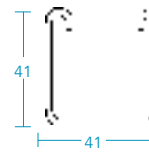
Part Code	0.50	0.75	1.00	1.50	2.00	2.50	3.00
Deflection at load *mm	0.50	1.10	2.00	4.60	8.20	12.80	18.40
Safe UDL **kg	2372	1579	1186	784	583	462	380



## Deep Channel Triple Slotted

Part Code	Length (m)	Finish
UC4141T/3	3	Galvanized to BS EN10346
UC4141T/6	6	Galvanized to BS EN10346
GMUC4141T/3	3	Hot Dipped to BS EN ISO 1461
GMUC4141T/6	6	Hot Dipped to BS EN ISO 1461

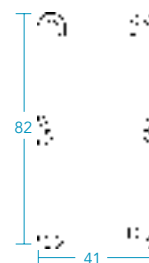
Span (m)	0.50	0.75	1.00	1.50	2.00	2.50	3.00
Deflection at load *mm	0.50	1.10	2.00	4.60	8.20	12.80	18.40
Safe UDL **kg	2372	1579	1186	784	583	462	380



## Back To Back Deep Channel Triple Slotted

Part Code	Length (m)	Finish
UC4182T/3	3	Galvanized to BS EN10346
UC4182T/6	6	Galvanized to BS EN10346
GMUC4182T/3	3	Hot Dipped to BS EN ISO 1461
GMUC4182T/6	6	Hot Dipped to BS EN ISO 1461

Span (m)	0.50	0.75	1.00	1.50	2.00	2.50	3.00
Deflection at load *mm	0.50	1.10	2.00	4.60	8.20	12.80	18.40
Safe UDL **kg	2372	1579	1186	784	583	462	380



QuickFix Trunking

QuickFix Multi Compartment Trunking

Lighting Trunking

Uniklip Cable Tray

Speedway Cable Ladder Pre-Galv. Cable Ladder

Cable Basket

Channel &amp; Support

Floor Trunking

Bench Outlet &amp; Perimeter Trunking

Steel Conduit (Class 4)

Innovative Design Solutions

Accessories &amp; Supports

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# CHANNEL & SUPPORT SYSTEMS

Standard Finish of Channel Brackets: 

### Tray to Channel Klip





Part Code	Suitable for Tray Type
CHTR25	KLMR
CHTR50	KLHR

### Basket to Channel Klip





Part Code
UFC41M

### Trunking to Channel Bracket




Part Code	H
TKHDB2	50
TKHDB3	75
TKHDB4	100
TKHDB6	150

### Square Plate



Part Code	Size (mm)
325AJ03	6
325AJ05	8
325AJ07	10
325AJ10	12

### Two Hole Plate



Part Code
325AD11

### Three Hole Plate



Part Code
325AC11

### Four Hole Plate



Part Code
325AC13

### Five Hole Plate



Part Code
325AY10

### L Bracket



Part Code
325AG10

### Right Angle Bracket



Part Code
325AS10

### T Bracket



Part Code
325AF13









### Right Angle Bracket



Part Code
325AC09
















# CHANNEL & SUPPORT SYSTEMS

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<p><b>Right Angle Bracket</b></p>  <p>Part Code 325AD10</p>	<p><b>Double Channel Bracket</b></p>  <p>Part Code 325AJ11</p>	<p><b>Right Angle Bracket</b></p>  <p>Part Code 325AC10</p>
<p><b>Right Angle Bracket</b></p>  <p>Part Code 325AE10</p>	<p><b>Right Angle Bracket</b></p>  <p>Part Code 325AE11</p>	<p><b>Right Angle Shelf Bracket</b></p>  <p>Part Code 325AE12</p>
<p><b>Right Angle Bracket</b></p>  <p>Part Code 325AQ10</p>	<p><b>Right Angle Bracket</b></p>  <p>Part Code 325AQ11</p>	<p><b>Right Angle Bracket</b></p>  <p>Part Code 325AQ12</p>
<p><b>Shallow 'Z' Bracket</b></p>  <p>Part Code 325AD28</p>	<p><b>Deep 'Z' Bracket</b></p>  <p>Part Code 325AC12</p>	<p><b>Multiple 'Z' Bracket</b></p>  <p>Part Code 325AU10</p>
<p><b>Back to Back Bracket</b></p>  <p>Part Code 325AT11</p>	<p><b>'W' Shaped Deep Bracket</b></p>  <p>Part Code 325AU15</p>	<p><b>Deep 'U' Bracket</b></p>  <p>Part Code 325AJ12</p>















- QuickFix Trunking
- QuickFix Multi Compartment Trunking
- Lighting Trunking
- Uniklip Cable Tray
- Speedway Cable Ladder Pre-Galv. Cable Ladder
- Cable Basket
- Channel & Support
- Floor Trunking
- Bench Outlet & Perimeter Trunking
- Steel Conduit (Class 4)
- Innovative Design Solutions
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## CHANNEL & SUPPORT SYSTEMS

<p><b>Shallow 'U' Bracket</b></p>  <p>Part Code 325AJ13</p>	<p><b>Multi-Channel Bracket</b></p>  <p>Part Code 325AJ14</p>	<p><b>Single Channel Base Plate</b></p>  <p>Part Code 325AR10</p>
<p><b>Single Channel Base Plate</b></p>  <p>Part Code 325AN10</p>	<p><b>Double Channel Base Plate</b></p>  <p>Part Code 325AT10</p>	<p><b>Two Leg Wing Fitting</b></p>  <p>Part Code 325AV10</p>
<p><b>Three Leg Wing Fitting</b></p>  <p>Part Code 325AV09</p>	<p><b>Wing Fitting with Gussets</b></p>  <p>Part Code 325AW01</p>	<p><b>3 Way Corner Bracket</b></p>  <p>Part Code 325AV02</p>
<p><b>Double Channel Wing Fitting</b></p>  <p>Part Code 325AW02</p>	<p><b>Channel Support Bracket R/H</b></p>  <p>Part Code 325AG16</p>	<p><b>Channel Support Bracket L/H</b></p>  <p>Part Code 325AG15</p>
<p><b>Channel Support Bracket</b></p>  <p>Part Code 325AF10</p>	<p><b>L/H Channel Support Bracket</b></p>  <p>Part Code 325AF11</p>	<p><b>R/H Channel Support Bracket</b></p>  <p>Part Code 325AF12</p>

# CHANNEL & SUPPORT SYSTEMS

# 07

<p><b>45° Angle Bracket</b></p>  <p><b>Part Code</b> 325AF14</p>	<p><b>Acute Angle Bracket 45°</b></p>  <p><b>Part Code</b> 325AH11</p>	<p><b>Obtuse Angle Bracket 45°</b></p>  <p><b>Part Code</b> 325AD17</p> <p>Other angles available to order</p>												
<p><b>Shallow External Connector</b></p>  <p><b>Part Code</b> 325AK11</p>	<p><b>Shallow Connector</b></p>  <p><b>Part Code</b> 325AK13</p> <p>M10 set screws supplied separately.</p>	<p><b>Deep Connector</b></p>  <p><b>Part Code</b> 336AB08</p>												
<p><b>Deep External Connector</b></p>  <p><b>Part Code</b> 325AK10</p>	<p><b>Cross Support Bracket</b></p>  <p><b>Part Code</b> 325AB10</p>	<p><b>Beam Clamp</b></p>  <p><b>Part Code</b> 325AP11</p>												
<p><b>Beam Clamp</b></p>  <p>Including M12x40 Cone point screw.</p> <table border="1"> <tr> <th>Part Code</th> <th>Flange thickness (mm)</th> </tr> <tr> <td>325AX10</td> <td>up to 18</td> </tr> </table>	Part Code	Flange thickness (mm)	325AX10	up to 18	<p><b>Beam Clamp</b></p>  <p>Including M12x40 Cone point screw.</p> <table border="1"> <tr> <th>Part Code</th> <th>Flange thickness (mm)</th> </tr> <tr> <td>325AX11</td> <td>up to 17</td> </tr> </table>	Part Code	Flange thickness (mm)	325AX11	up to 17	<p><b>Beam Clamp (Deep Back to Back Window)</b></p>  <p>Including M10x40 Cone point screw.</p> <table border="1"> <tr> <th>Part Code</th> <th>Flange thickness (mm)</th> </tr> <tr> <td>325AL09</td> <td>up to 15</td> </tr> </table>	Part Code	Flange thickness (mm)	325AL09	up to 15
Part Code	Flange thickness (mm)													
325AX10	up to 18													
Part Code	Flange thickness (mm)													
325AX11	up to 17													
Part Code	Flange thickness (mm)													
325AL09	up to 15													
<p><b>Beam Clamp (Shallow Channel)</b></p>  <p>Including Cone point set screw.</p> <table border="1"> <tr> <th>Part Code</th> <th>Flange thickness (mm)</th> </tr> <tr> <td>325AL11</td> <td>up to 15</td> </tr> </table>	Part Code	Flange thickness (mm)	325AL11	up to 15	<p><b>Beam Clamp (Deep Channel)</b></p>  <p>Including Cone point set screw.</p> <table border="1"> <tr> <th>Part Code</th> <th>Flange thickness (mm)</th> </tr> <tr> <td>325AL10</td> <td></td> </tr> </table>	Part Code	Flange thickness (mm)	325AL10		<p><b>Beam Clamp</b></p>  <p>Including Cone point set screw.</p> <table border="1"> <tr> <th>Part Code</th> <th>Flange thickness (mm)</th> </tr> <tr> <td>325AP10</td> <td>up to 17</td> </tr> </table>	Part Code	Flange thickness (mm)	325AP10	up to 17
Part Code	Flange thickness (mm)													
325AL11	up to 15													
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325AP10	up to 17													

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# CHANNEL & SUPPORT SYSTEMS

Standard Finish of Channel Brackets:



## Beam Clamp

(Back to Back Deep Channel)


**Part Code**

323AM12

Supplied singly with nuts, bolts and washers.

## Heavy Duty Beam Clamp

(Back to Back Deep Channel)


**Part Code**

325AM13

**Flange range (mm)**  
up to 25

325AM14

25 - 40

## Beam Clamp

(Deep Channel)


**Part Code**

325AM10

**Flange range (mm)**  
25

Also suitable for shallow channel up to 25mm.

## Beam Clamp


**Part Code**

325AP13

## 'Z' Purlin Clip

(M10 Hole)


**Part Code**

389AH10

## Cone Pointed Bolts


**Part Code**

M10X40CPB

**Thread Size**

M10x40

## End Cap

(Deep)


**Part Code**

325AA10

**Finish**

Black PVC

325AA12

White PVC

## End Cap

(Shallow)


**Part Code**

325AA11

**Finish**

Black PVC

325AA13

White PVC

## Cover Strip


**Part Code**

339AA10

**Length (m)**

3

**Finish**

White PVC

339AA11

3

Black PVC

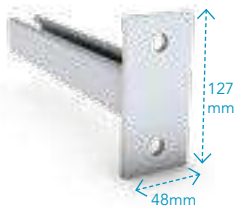
339AB10

3

Pre-Galvanised

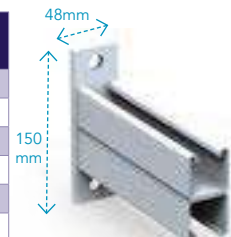
## Single Channel Cantilever Arm

Part Code	Product	Arm Length (mm)
CARMSCP150GM	2 Hole	150
CARMSCP300GM	2 Hole	300
CARMSCP450GM	2 Hole	450
CARMSCP600GM	2 Hole	600
CARMSCP750GM	2 Hole	750
CARMSCP900GM	2 Hole	90



## Back to Back Cantilever Arm

Part Code	Product	Arm Length (mm)
CARMBBP150GM	2 Hole	150
CARMBBP300GM	2 Hole	300
CARMBBP450GM	2 Hole	450
CARMBBP600GM	2 Hole	600
CARMBBP750GM	2 Hole	750
CARMBBP900GM	2 Hole	90



## Short Spring Channel Nuts


**Part Code**

UCM6/S

**Thread**

M6

UCM8/S

M8

UCM10/S

M10

UCM12/S

M12

Sold in packs of 100.

## Long Spring Channel Nuts


**Part Code**

UCM6/L

**Thread**

M6

UCM8/L

M8

UCM10/L

M10

UCM12/L

M12

Sold in packs of 100.

## Channel Nuts Less Spring


**Part Code**

UCM6/N

**Thread**

M6

UCM8/N

M8

UCM10/N

M10

UCM12/N

M12

Sold in packs of 100.

# HINKLEY POINT C NUCLEAR POWER STATION

# 07



## CLIENT



**£23bn**

Overall cost of project

M&E Contractor:  
MEH Alliance

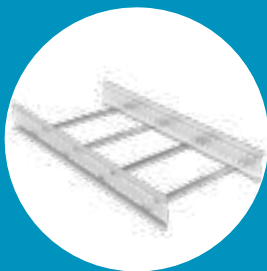
## BACKGROUND

Marking a significant milestone in the revitalisation of the nuclear power industry, Hinkley Point C will make a major contribution to the UK's move to reduce carbon emissions. It is the first new nuclear power station to be built in the UK in over 20 years.

*"HPC is a fantastic win for us, we have been excited about the scale and complexity of the project throughout the comprehensive tender process. We believe our industry experience, innovative product range, impressive manufacturing and distribution network secured our position as the perfect supply partner."*

Alan Campbell, Group Projects Director  
Unitrunk Group

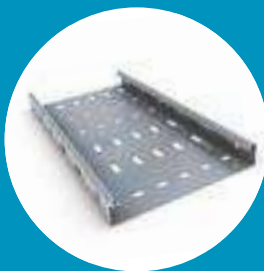
## PRODUCTS SUPPLIED



**SPEEDWAY®  
LADDER**



**UNITRUNK  
TRUNKING**



**UNIKLIP®  
TRAY**