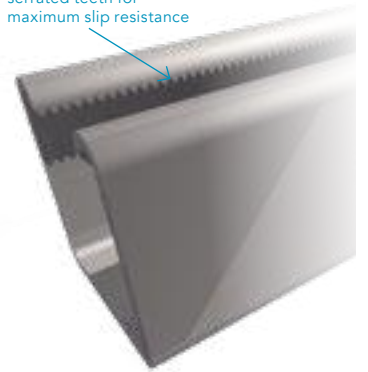




SECTION 07: INTELOK® CHANNEL & SUPPORT SYSTEMS

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

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

Brackets

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

Straight Channel & Brackets

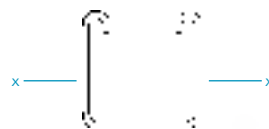
- SS** Stainless steel grade 1.4404 (316 marine) to BS EN10088-2:2005

ACCREDITED TO THE FOLLOWING STANDARDS:



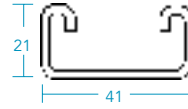
The safe loading figures are based on:

- a) The x-x axis
- b) A simply supported beam
- c) Pre-galvanised steel - yield 250N/mm²
- d) A safety factor of 1.6



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 |

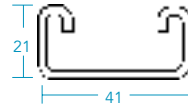


| Span (m) | 0.50 | 0.75 | 1.00 | 1.50 | 2.00 | 2.50 | 3.00 |
|-----------------------|------|------|------|-------|-------|-------|-------|
| Deflection at load*mm | 1.70 | 3.90 | 6.90 | 15.60 | 27.70 | 43.30 | 62.30 |
| Safe UDL **kg | 239 | 172 | 128 | 84 | 61 | 47 | 38 |

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

Slotted Shallow Channel

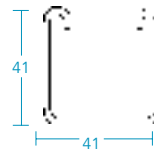
| Part Code | Length (m) | Finish |
|-------------|------------|------------------------------|
| UC4121S/3 | 3 | Galvanized to BS EN10346 |
| UC4121S/6 | 6 | Galvanized to BS EN10346 |
| GMUC4121S/3 | 3 | Hot Dipped to BS EN ISO 1461 |
| GMUC4121S/6 | 6 | Hot Dipped to BS EN ISO 1461 |



| 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

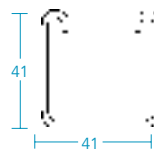
| Part Code | Length (m) | Finish |
|------------|------------|------------------------------|
| UC4141/3 | 3 | Galvanized to BS EN10346 |
| UC4141/6 | 6 | Galvanized to BS EN10346 |
| GMUC4141/3 | 3 | Hot Dipped to BS EN ISO 1461 |
| GMUC4141/6 | 6 | Hot Dipped to BS EN ISO 1461 |



| 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 |



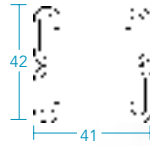
| Span (m) | 0.50 | 0.75 | 1.00 | 1.50 | 2.00 | 2.50 | 3.00 |
|-----------------------|------|------|------|------|-------|-------|-------|
| Deflection at load*mm | 1.00 | 2.20 | 4.00 | 8.90 | 15.90 | 24.80 | 35.70 |
| Safe UDL **kg | 776 | 516 | 386 | 255 | 189 | 149 | 122 |

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 |

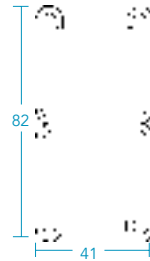


Solid Channel in stock, slotted on request.

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 |

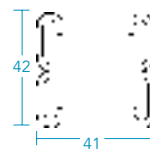


Solid Channel in stock, slotted on request.

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 |

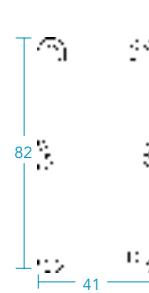
| Span (m) | 0.50 | 0.75 | 1.00 | 1.50 | 2.00 | 2.50 | 3.00 |
|------------------------|------|------|------|------|------|-------|-------|
| Deflection at load *mm | 0.50 | 1.10 | 2.00 | 4.60 | 8.20 | 12.80 | 18.40 |
| Safe UDL **kg | 2372 | 1579 | 1186 | 784 | 583 | 462 | 380 |



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 |

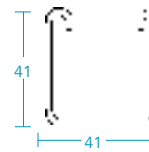
| Part Code | 0.50 | 0.75 | 1.00 | 1.50 | 2.00 | 2.50 | 3.00 |
|------------------------|------|------|------|------|------|-------|-------|
| Deflection at load *mm | 0.50 | 1.10 | 2.00 | 4.60 | 8.20 | 12.80 | 18.40 |
| Safe UDL **kg | 2372 | 1579 | 1186 | 784 | 583 | 462 | 380 |



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 |

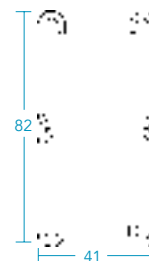
| Span (m) | 0.50 | 0.75 | 1.00 | 1.50 | 2.00 | 2.50 | 3.00 |
|------------------------|------|------|------|------|------|-------|-------|
| Deflection at load *mm | 0.50 | 1.10 | 2.00 | 4.60 | 8.20 | 12.80 | 18.40 |
| Safe UDL **kg | 2372 | 1579 | 1186 | 784 | 583 | 462 | 380 |



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 & Support

Floor Trunking

Bench Outlet & Perimeter Trunking

Steel Conduit (Class 4)

Innovative Design Solutions

Accessories & Supports

Index

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 |

Right Angle Bracket



Part Code
325AD10

Double Channel Bracket



Part Code
325AJ11

Right Angle Bracket



Part Code
325AC10

Right Angle Bracket



Part Code
325AE10

Right Angle Bracket



Part Code
325AE11

Right Angle Shelf Bracket



Part Code
325AE12

Right Angle Bracket



Part Code
325AQ10

Right Angle Bracket



Part Code
325AQ11

Right Angle Bracket



Part Code
325AQ12

Shallow 'Z' Bracket



Part Code
325AD28

Deep 'Z' Bracket



Part Code
325AC12

Multiple 'Z' Bracket



Part Code
325AU10

Back to Back Bracket




Part Code
325AT11

'W' Shaped Deep Bracket



Part Code
325AU15

Deep 'U' Bracket



Part Code
325AJ12

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

Accessories & Supports

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CHANNEL & SUPPORT SYSTEMS

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

45° Angle Bracket




| Part Code |
|-----------|
| 325AF14 |

Acute Angle Bracket 45°



| Part Code |
|-----------|
| 325AH11 |

Obtuse Angle Bracket 45°



| Part Code |
|-----------|
| 325AD17 |

Other angles available to order

Shallow External Connector



| Part Code |
|-----------|
| 325AK11 |

Shallow Connector



| Part Code |
|-----------|
| 325AK13 |

M10 set screws supplied separately.

Deep Connector



| Part Code |
|-----------|
| 336AB08 |

Deep External Connector



| Part Code |
|-----------|
| 325AK10 |

Cross Support Bracket



| Part Code |
|-----------|
| 325AB10 |

Beam Clamp



| Part Code |
|-----------|
| 325AP11 |

Beam Clamp



Including M12x40 Cone point screw.

| Part Code | Flange thickness (mm) |
|-----------|-----------------------|
| 325AX10 | up to 18 |


Beam Clamp



Including M12x40 Cone point screw.

| Part Code | Flange thickness (mm) |
|-----------|-----------------------|
| 325AX11 | up to 17 |


Beam Clamp (Deep Back to Back Window)



Including M10x40 Cone point screw.

| Part Code | Flange thickness (mm) |
|-----------|-----------------------|
| 325AL09 | up to 15 |

Beam Clamp (Shallow Channel)



Including Cone point set screw.

| Part Code | Flange thickness (mm) |
|-----------|-----------------------|
| 325AL11 | up to 15 |


Beam Clamp (Deep Channel)



Including Cone point set screw.

| Part Code |
|-----------|
| 325AL10 |

Beam Clamp



Including Cone point set screw.

| Part Code | Flange thickness (mm) |
|-----------|-----------------------|
| 325AP10 | up to 17 |

CHANNEL & SUPPORT SYSTEMS

Standard Finish of Channel Brackets: 

Beam Clamp

(Back to Back Deep Channel)




| Part Code | Flange range (mm) |
|-----------|-------------------|
| 323AM12 | up to 25 |
| 325AM13 | 25 - 40 |
| 325AM14 | 25 - 40 |

Supplied singly with nuts, bolts and washers.

Heavy Duty Beam Clamp


(Back to Back Deep Channel)



| Part Code | Flange range (mm) |
|-----------|-------------------|
| 325AM13 | up to 25 |
| 325AM14 | 25 - 40 |

Beam Clamp

(Deep Channel)



| Part Code | Flange range (mm) |
|-----------|-------------------|
| 325AM10 | 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 | Thread Size |
|-----------|-------------|
| M10X40CPB | M10x40 |

End Cap

(Deep)



| Part Code | Finish |
|-----------|-----------|
| 325AA10 | Black PVC |
| 325AA12 | White PVC |

End Cap

(Shallow)



| Part Code | Finish |
|-----------|-----------|
| 325AA11 | Black PVC |
| 325AA13 | White PVC |

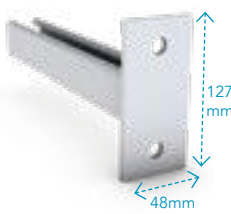
Cover Strip



| Part Code | Length (m) | Finish |
|-----------|------------|----------------|
| 339AA10 | 3 | White PVC |
| 339AA11 | 3 | Black PVC |
| 339AB10 | 3 | Pre-Galvanised |

Single Channel Cantilever Arm

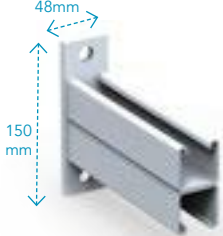
| Part Code | Product | Arm Length (mm) |
|--------------|---------|-----------------|
| CARMSCP150GM | 2 Hole | 150 |
| CARMSCP300GM | 2 Hole | 300 |
| CARMSCP450GM | 2 Hole | 450 |
| CARMSCP600GM | 2 Hole | 600 |
| CARMSCP750GM | 2 Hole | 750 |
| CARMSCP900GM | 2 Hole | 90 |



Dimensions: 127mm height, 48mm width.


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 |



Dimensions: 48mm height, 150mm width.


Short Spring Channel Nuts



| Part Code | Thread |
|-----------|--------|
| UCM6/S | M6 |
| UCM8/S | M8 |
| UCM10/S | M10 |
| UCM12/S | M12 |

Sold in packs of 100.

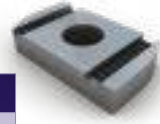
Long Spring Channel Nuts



| Part Code | Thread |
|-----------|--------|
| UCM6/L | M6 |
| UCM8/L | M8 |
| UCM10/L | M10 |
| UCM12/L | M12 |

Sold in packs of 100.

Channel Nuts Less Spring



| Part Code | Thread |
|-----------|--------|
| UCM6/N | M6 |
| UCM8/N | M8 |
| UCM10/N | M10 |
| UCM12/N | M12 |

Sold in packs of 100.





CLIENT



£23bn

Overall cost of project

M&E Contractor:
MEH Alliance

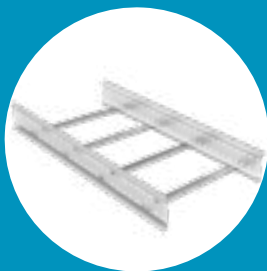
BACKGROUND

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

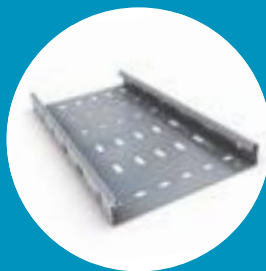
PRODUCTS SUPPLIED



**SPEEDWAY®
LADDER**



**UNITRUNK
TRUNKING**



**UNIKLIP®
TRAY**