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#### Material

UliStrut ® fittings comply with BS1449 Part1:1983 or BS4360:1972 and are manufactured from hot-rolled, pickled and oiled steel plates, strip or coil. They have a minimum yield stress of 170N/mm2 as specified in BS6946:1988.

All fittings are manufactured from 6mm thick material unless specified otherwise. UliStrut ® fittings can also be obtained in stainless steel.

#### **Finishes**

The standard finish is hot-dip galvanized to ASTM A123:1989 / EN ISO 1461:1999(E) which supersedes BS729:1971 unless specified otherwise. Other finishes are available upon request.

#### **Applications**

The fittings illustrated show only one application for each item. However, more than one application is possible in most cases. Hole diameters and slot widths are 14mm for M12 screws, unless

otherwise indicated. Fasteners must be ordered separately as they are not included with the fittings.

#### **Dimensions**

All dimensions used in this section are in millimeters (mm) unless otherwise stated.

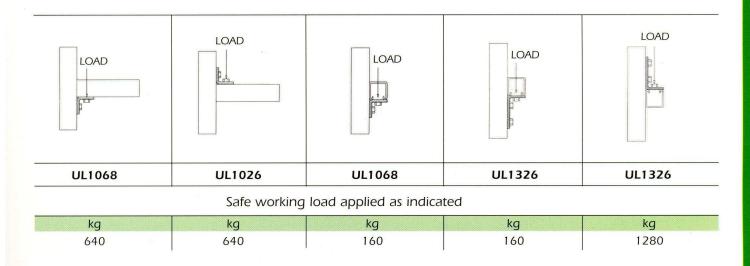
#### **Design Screw Torque**

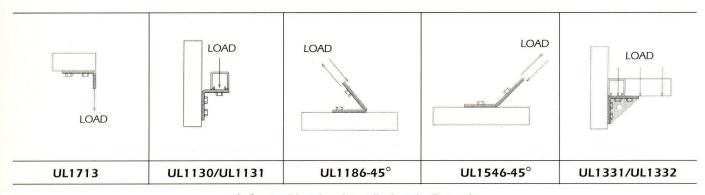
BOLT SIZE	M6	M8	M10	M12
Torque in Nm for Grade 4.6 screws	5	11	22	38
Torque in Nm for Grade 8.8 screws	7.5	28	<mark>55</mark>	95

#### Design Load

A safety factor of 2 applies to all design loads in the section. The design load data and figures illustrated are safe working loads with reference to M12 grade 8.8 electro-galvanized bolts and hardened M12 Spring Nuts fitted to mild steel UliStrut ® channels.

## **Design Load Data**





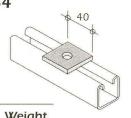
Safe working load applied as indicated

kg	kg	kg	kg	kg
130	390/490	Compression 640 Tension 60	Compression 640 Tension 60	760

- 1. Both ends of beams supported.
- 2. Loads are for: UL1000 2.5mm thick channels. M12 hardened spring nuts.
- 3. Safety factor = 2 based on ultimate strength of connection.

## Flat Plate Fittings

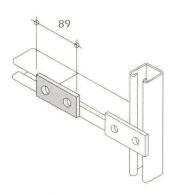
## UL1062, UL1063, UL1064



Product Number	Bolt Size	Hole Ø	Weight g
UL1062	M8	9mm	73
UL1063	M10	11mm	72
UL1064	M12	14mm	69

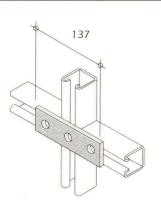
### UL1065

Weight: 157g



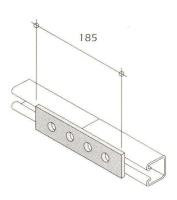
## UL1066

Weight: 243g



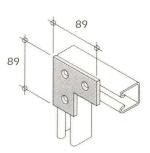
### UL1067

Weight: 330g



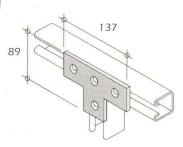
## **UL1036**

Weight: 250g



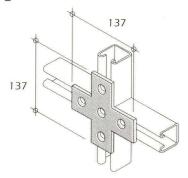
## UL1031

Weight: 339g



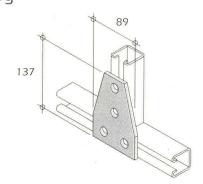
### UL1028

Weight: 425g



#### **UL1358**

Weight: 450g

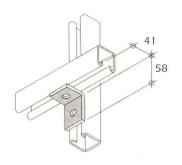


Hole Ø & Slot Width	Hole Spacing	Width	Thickness
14mm	20.5mm From End	40 or 41mm	6mm
ω·	48mm on Centre		

# **Angular Fittings**

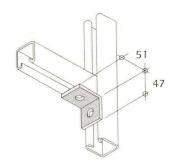
**UL1068** 

Weight: 159g



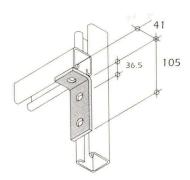
UL1026

Weight: 157g



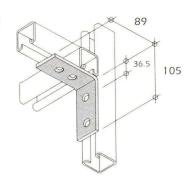
**UL1326** 

Weight: 242g



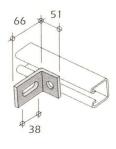
UL1325

Weight: 327g



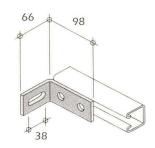
UL1749

Weight: 194g



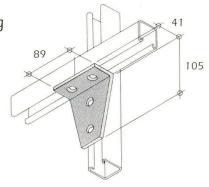
**UL1747** 

Weight: 263g

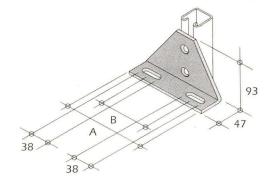


UL1359

Weight: 458g



UL1130, UL1131



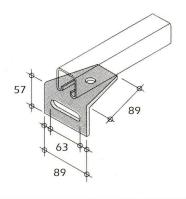
Product	Α	В	Weight
	mm	mm	g
UL1130	168	102	760
UL1131	219	152	976

Hole Ø & Slot Width	Hole Spacing	Width	Thickness
14mm	20.5mm From End	40 or 41mm	6mm
	48mm on Centre		

# **Angular Fittings**

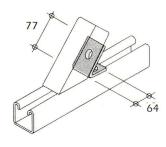
UL1713

Weight: 384g



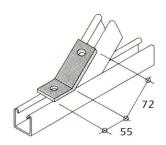
UL1186-45 $^{\circ}$ 

Weight: 256g



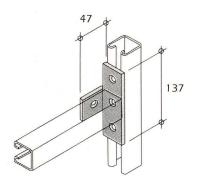
UL1546-45°

Weight: 246g



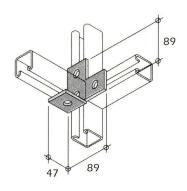
**UL1033** 

Weight: 342g



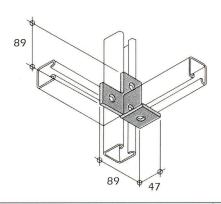
**UL1035** 

Weight: 342g



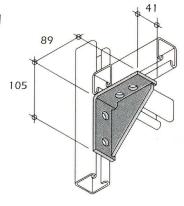
### UL1034

Weight: 342g



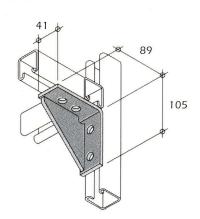
**UL1331** 

Weight: 432g



## UL1332

Weight: 432g

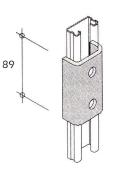


Hole Ø & Slot Width	Hole Spacing	Width	Thickness
14mm	20.5mm From End	40 or 41mm	6mm
	48mm on Centre		

# "U" Shape Fittings

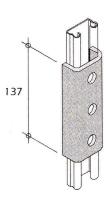
**UL4376** 

Weight: 358g



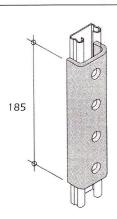
### UL4376-A

Weight: 558g



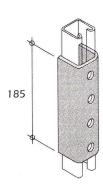
**UL4377** 

Weight: 760g



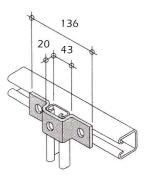
## **UL1377**

Weight: 1100g



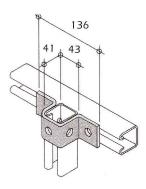
#### **UL4047**

Weight: 284g



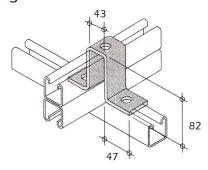
#### UL1047

Weight: 358g



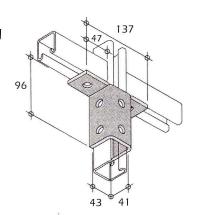
### UL1737

Weight: 530g



### **UL2346**

Weight: 726g

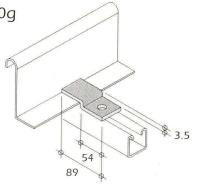


Hole Ø & Slot Width	Hole Spacing	Width	Thickness
14mm	20.5mm From End	40 or 41mm	6mm
	48mm on Centre		

## "Z" Shape Fittings

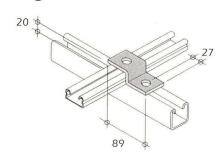
## ULZB01

Weight: 160g



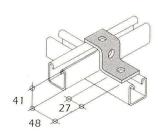
## **UL4045**

Weight: 180g



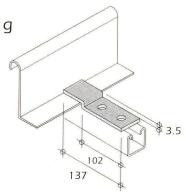
#### UL1045

Weight: 212g



#### **ULZB04**

Weight: 251g

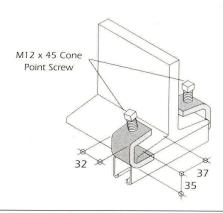


## **Beam Clamps**

Design Loading Data		
Product Number	Design Load per Pair	
mm	kg	
UL1272	160	
UL1271	180	
UL1796	440	

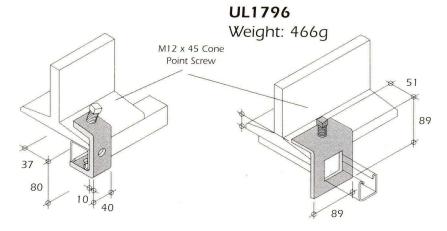
### UL1272

Weight: 188g



#### UL1271

Weight: 466g

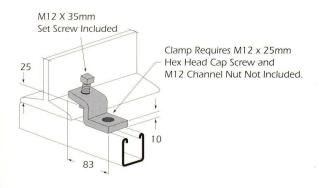


Hole Ø & Slot Width	Hole Spacing	Width	Thickness
14mm	20.5mm From End 48mm on Centre	40 or 41mm	6mm (unless otherwise stated)

## **Beam Clamps**

#### **UL1379S**

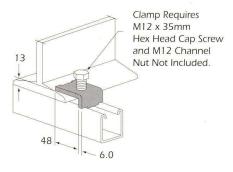
Weight: 32kg



Design Load Each (Use in Pairs Only)	
P/N	kN
P1000	2.7
P1100	2.2

#### **UL1386**

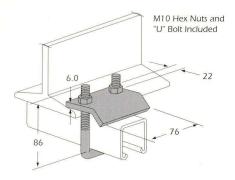
Weight: 11kg



Design Load Each (Use in Pairs Only)	
P/N	kN
P1000	2.7
P1100	2.2

#### **UL2785**

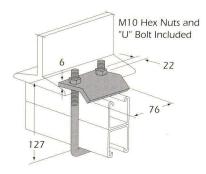
Weight: 35kg



- Design Load: 500kg
- Use in Pairs Only
- For use with Beams up to (19.1), Thick Flanges and with Channels UL1000, UL3300 and UL3301

#### **UL2786**

Weight: 39kg

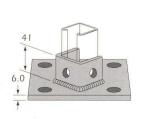


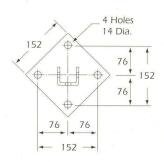
- Design Load: 500kg
- Use in Pairs Only
- For use with Beams up to (19.1), Thick Flanges and with Channels UL1001 and UL2001

## **Post Base Plates**

#### **UL2072**

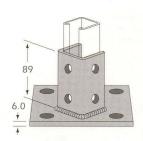
Weight: 131g

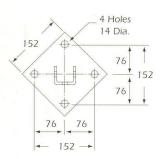




#### **UL2072A**

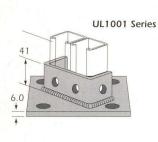
Weight: 159kg

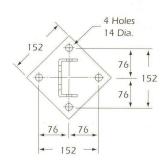




#### **UL2073**

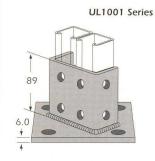
Weight: 138kg

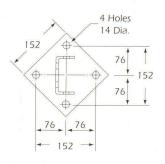




#### **UL2073A**

Weight: 174kg





Note: Diagonal two bolt fixing recommended