

# SHORTSPAN

Armstrong DGS – ShortSpan is a fast and easy solution for framing short spans and an economical alternative to TCR and Furring Channel constructions.

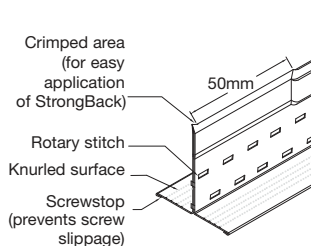
## Features

- ShortSpan enables framing without suspension hangers to a maximum span of 1600mm, saving material and time
- ShortSpan Tees engage to the Armstrong Locking Angles Trims at the perimeter without the need to screw fix.
- Longer spans can be simply achieved using the StrongBack Support at 1600mm centres.

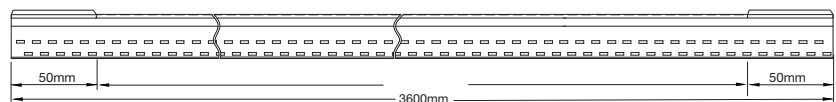


## Components

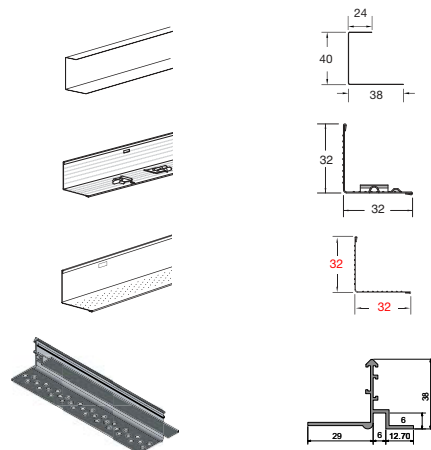
### ShortSpan Tee with Knurled Face



Item Number	Dimensions length (mm) height (mm) face (mm)			Route Spacing mm	Content / Bundle / Weight pcs lm kg		
BP 79S36	3600	38	38	—	12	43.2	20



### Perimeter Trims / Transition Trim



**Perimeter Trim:** Knurled Channel Moulding (hemmed with Knurled lower leg)

BP KCM 36	3600	40	38	—	12	43.2	15.6
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**Perimeter Trim:** Locking Angle Trim (hemmed with Knurled faces)

BP LAT36	3600	32	32	75 in / 150 o.c.	20	72	26
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**Perimeter Trim:** Angle Trim (hemmed with Knurled faces)

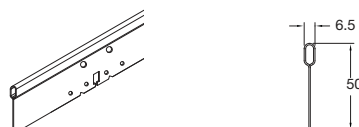
BP KAM36	3600	32	32	—	20	72	26
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Shadowline reveal with Knurled Face for PB fixing and Pre-painted Global White finish

ALPTPERFTH3600	3600	38	45.5	—	20	72	24
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Plasterboard Transition Set Bead With 6mm Reveal – Satin White

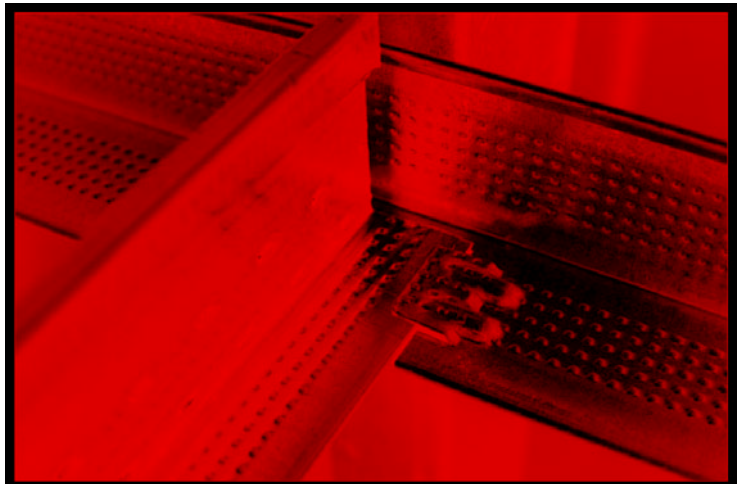
### StrongBack Support



BP 79SB36	3600	50	—	75 in / 150 o.c.	12	43.20	20
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## Locking Angle Trim

- A faster and more accurate solution for securing grid to wall angle
- Pre-engineered locking tabs punched 150mm on center:
  - Locking tabs prevent lateral and upward movement
  - Eliminate screws, pop rivets, or crimpers needed to attach tees to moulding
- Knurled surface on both flanges
- **ScrewStop** – Reverse hem prevents screw spinoff and provides safer handling
- Alignment crimp at locking tabs for fast, easy alignment

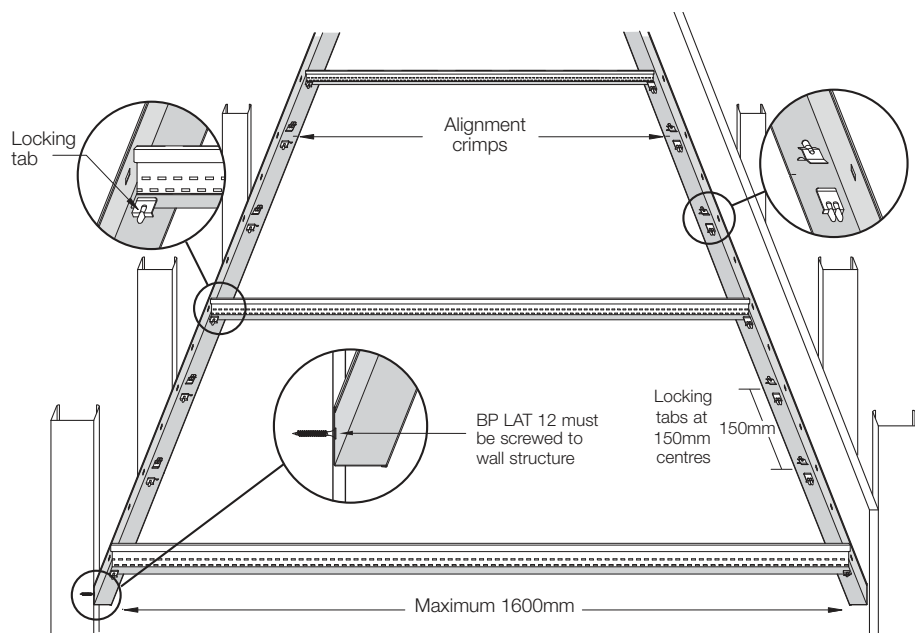
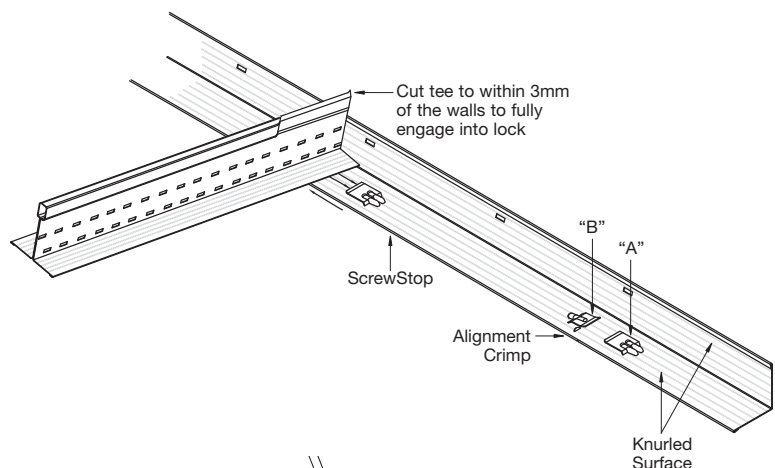


ShortSpan tee engaged in Locking Angle Trim

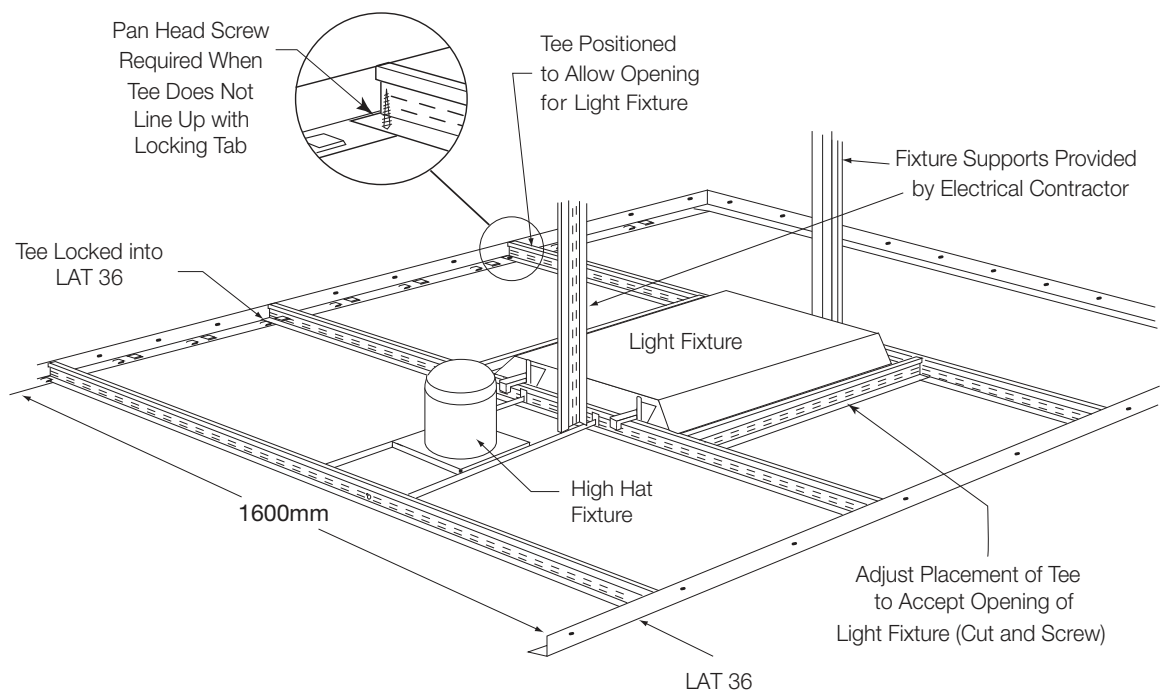
## Installation Notes

### Installation Notes

- 1 ShortSpan tees must be cut within 3mm of the vertical leg of the Locking Angle Trim
- 2 **Must** screw LAT 36 and KAM 36 to wall structure at module spacing of 450 or 600mm centres
- 3 Insert right hand flange of tee into pocket "A" first and allow left flange to clear pocket "B" and rest on angle moulding. Slide tee to the left to engage in pocket "B" (audible click)



Fixture Installation



ShortSpan Framing and Locking Angle Moulding make drywall framing faster and easier



Corridor framing using traditional steel studs

ShortSpan Board Loadings – Maxium Weight m<sup>2</sup>

Span (mm)	Spacing	Load kgs/m <sup>2</sup>
1200mm	450mm	2 x 16mm Plasterboard
	600mm	2 x 13mm Plasterboard
1500mm	450mm	2 x 13mm Plasterboard
	600mm	1 x 13mm Plasterboard
1600mm	450mm	2 x 10mm Plasterboard
	600mm	1 x 13mm Plasterboard
*Spans Greater Than 1600mm Strong Back To Be Installed Mid Span		
*1800mm	450mm	3 x 16mm Plasterboard
	600mm	2 x 13mm Plasterboard
*2100mm	450mm	2 x 16mm Plasterboard
	600mm	2 x 13mm Plasterboard

10mm Plasterboard	6.8kgs m <sup>2</sup>
13mm Plasterboard	8.6kgs m <sup>2</sup>
13mm Plasterboard	10.5kgs m <sup>2</sup>
16mm Plasterboard	13kgs m <sup>2</sup>
10mm Ceiling Board	7.2kgs m <sup>2</sup>

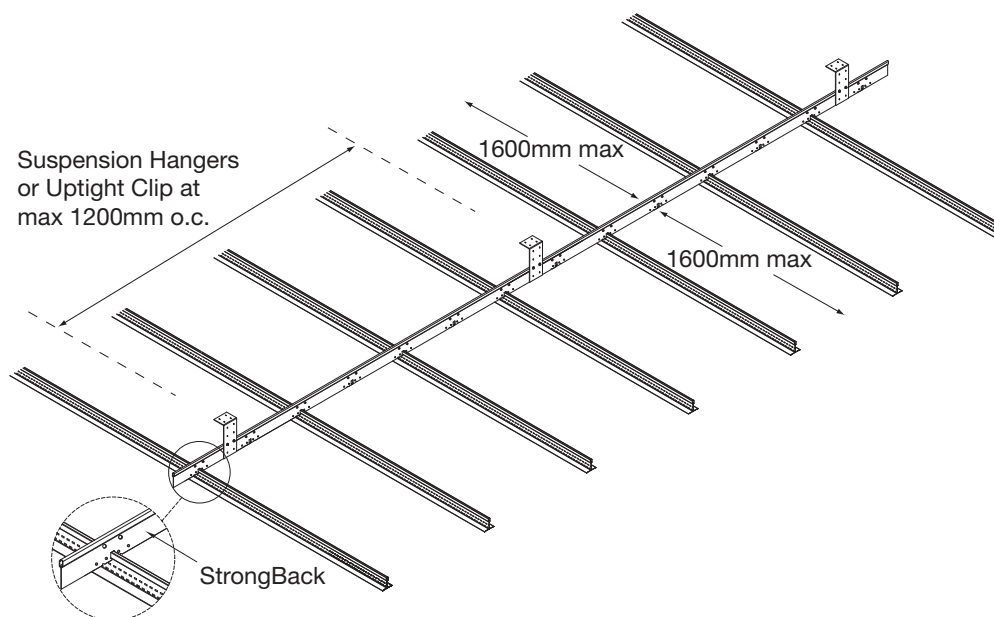
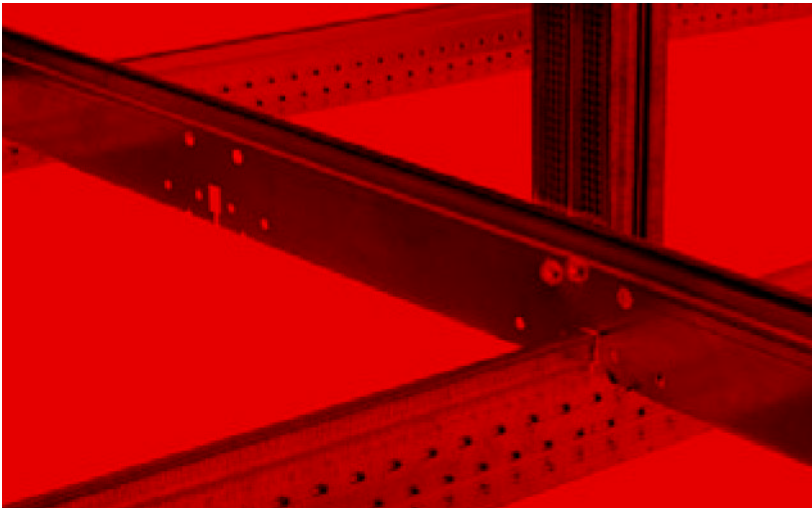
Design Loads Based On Items Below

BP79S36  
BP79SB36

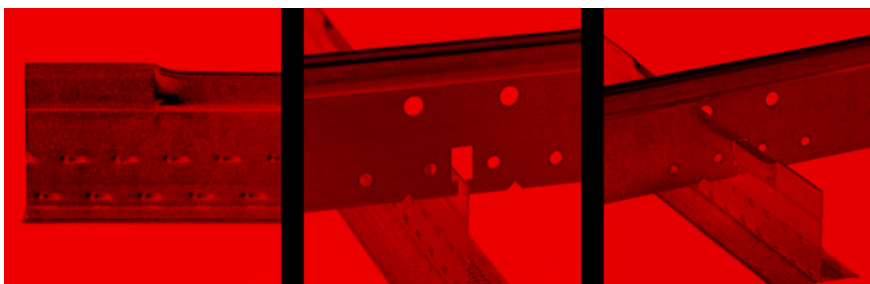
SHORTSPAN  
STRONGBACK

### StrongBack

- Easier, pre-engineered solution to support spans over 1600mm
- Knockouts 150mm on center eliminates measuring, screwing, and splicing
- Allows vertical supports at 1200mm on centre
- Reduces lateral movement
- Resists upward movement if used with vertical tee post or stud
- Easier to level system compared to traditional framing



#### Method to Install StrongBack



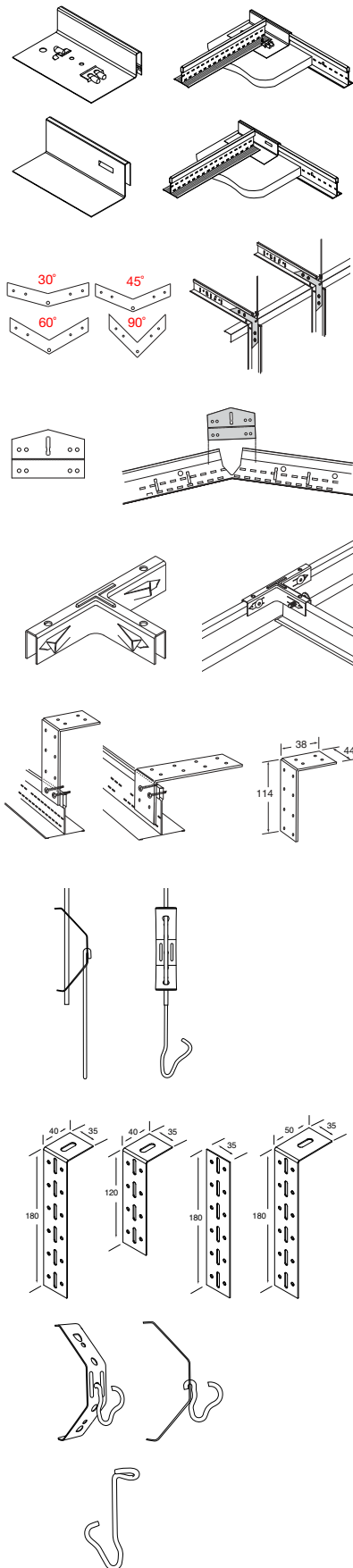
1 Flattened bulb allows StrongBack to slide over bulb

2 Slide StrongBack into place – no bending of tab required

# GRID ACCESSORIES

LEGEND: ● Flat Ceilings, ● Wall systems, ● Curved Ceilings, ● Quikstix Bulkheads, ● ShortSpan

Application



Item Number	Product Description	Pcs / Bucket	Legend
BPDW10LT BPDW13LT BPDW16LT ALDW13	<b>Transition Clips with Locking Tabs</b> facilitate transition from drywall to acoustical ceiling; one-sided hold-down clip; eliminates need for drywall bead. Locking tabs provide secure location for DGS tees <b>For 10mm Plasterboard</b> <b>For 13mm Plasterboard</b> <b>For 16mm Plasterboard</b> <b>Suits 45/50 Top Hat for 13mm Plasterboard</b>	125 125 125 100	● ● ● ●
BPDW30C BPDW45C BPDW60C BPDW90C	30, 45, 60 and 90 degree <b>Drywall Angle Clips</b> are used to create positive and secure angles for drywall and ceiling installations on either Main Bars or Cross Runners	250 250 250 250	● ● ● ●
BPRC2	<b>Radius Clip</b> is used to secure the Main Bar at the desired angle in curved ceiling applications. Includes a rout for Cross Runners installation	205	●
BPGC3W	<b>3 Way Bite Clip</b> connects Intersecting Cross Runners at any point along a Main Bar or other Cross Runners	250	● ● ●
BPQSUTC*	<b>Up Tight Clip</b> is used for Direct fix applications *Non stock item – lead time required	150	● ● ● ●
SCDGS	<b>Rod Hanging Clip</b> is the standard height adjustable suspension clip connecting from 2.5 or 5mm rod to the DGS Main Bar	100	● ● ●
DWDFC DWDFC120 DWDFC180 DWDFC18050	<b>Direct Fix Clip</b> – 180mm L Shape <b>Direct Fix Clip</b> – 120mm L Shape <b>Direct Fix Clip</b> – 180mm Flat Extension <b>Direct Fix Clip</b> – 180mm L Shape with 50mm Head	100 100 100 100	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●
DGSSCS	<b>DGS Suspension Clip Small</b> is the standard height adjustable suspension clip connecting from 2.5 or 5mm rod to the DGS Main Bar	100	● ● ●
DGSSCTR	<b>DGS Threaded Rod Clip</b> is a suspension clip for 6mm Threaded Rod	100	● ● ●

# ARCHITECTURAL SPECIFICATIONS

**Corridors or Plasterboard Margins:** Suspended Grid shall be Armstrong DGS ShortSpan, comprising of ShortSpan Tees and StrongBack Support sections (where required), including Wall Mouldings and Transition Trims as per manufacturer's instructions.

Contact your Armstrong Office for additional project specification details.

## TECHNICAL DATA

### Features

- **Knurled Face**  
Positive screw penetration into tees
- **ScrewStop**  
Reverse hem prevents screw spin off on Tee face
- **38mm Wide Face**  
Main Bars and Cross Runners – easy installation of screw fixed plasterboard sheets
- **Rotary stitched Double Thickness Web**  
For additional torsional strength and stability
- **Simple Integration of Mechanical Services**

### General Benefits

- Reduced installation time
- Reduced labour costs
- Reduced material costs and wastage
- Low 38mm profile across one plane
- Material off cuts can be used for bracing and as an alternative suspension method

### Physical Data

- Material: Hot dipped galvanised steel
- Recycled Content: 25%
- Surface Finish: Z275 galvanised
- Main Bar / Cross Runner Interface: Joggled ends
- End Detail:
  - Main Bar: staked-on SuperLock clip
  - Cross Runner: staked-on XL<sup>2</sup> clip

### Code Compliance

**Armstrong DGS is designed and manufactured to comply with the following standards:**

AS/NZ 2785-2000: Suspended Ceilings – Design and Installation  
AS/NZ 2589-2007: Gypsum linings – Application and finishing  
AS/NZ 1397-2002: Steel sheet and strip – Hot-dipped zinc-coated or aluminium/zinc-coated  
AS/NZ 4600-2005: Cold-formed steel structures  
AS/NZ 1170-2002: Structural Design Actions

**For Seismic  
Design support  
please contact your  
local Armstrong  
office.**

## Armstrong, the Global Leader in Acoustic Ceilings

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