



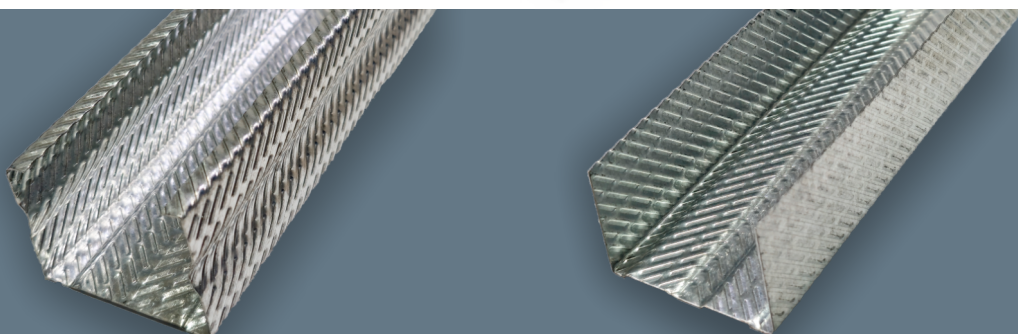
*Diamond Frames*™  
False Ceiling & Partition Systems

# Metal Profile

## Technical & Safety Data Sheet

### *Diamond Frames* **PREMIUM**®

#### Drywall Partition



# Product Data Sheet

PDS DFPL-CHE-PREMIUM



*Diamond Frames*™  
False Ceiling & Partition Systems

## Introduction

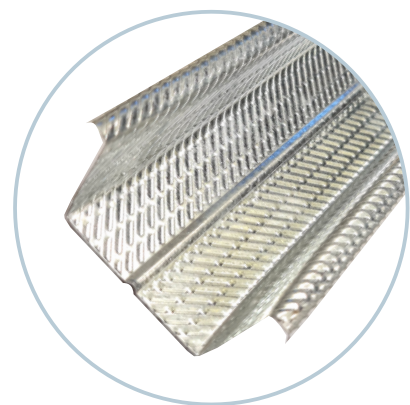
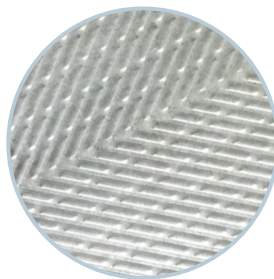
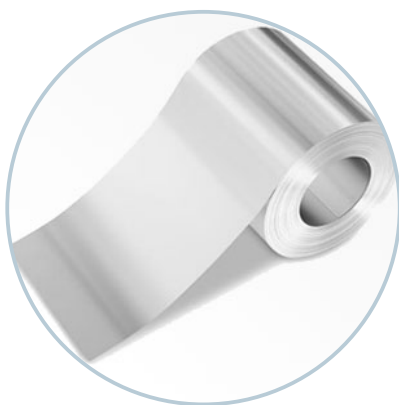
**Diamond Frames Premium** employs a manufacturing process that transforms the characteristics of plain steel, providing higher strength capacity at a lighter gauge. The process effectively strengthens the steel by working in striations with two mating rolls, which produce a serrated surface and a ribbed pattern across the surface.

Once the Premium process has been applied, the base material is then passed through a series of rollers which progressively transform the steel into the required frame. The number of rollers in the process will vary, depending on the complexity of the frame being rolled.

Service entries or passages are punched at the end of this process. The ribbed pattern helps to increase the depth and surface area of the frame. Therefore, providing better strength and durability.

Diamond Frames have been offering creative & durable products, allowing us to extend our partnerships beyond business and which fuels better insights and ideas that make us stand out in a marketplace and, ultimately build brand strategies that endure.

We have branded ourselves to reflect our expanded capabilities and give us space to celebrate the vibrant relationships we have with each of our clients.



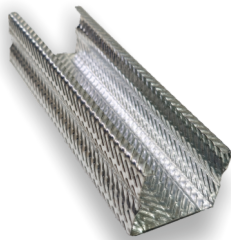


*Diamond Frames*™  
False Ceiling & Partition Systems

# Product Data Sheet

## PDS DFPL-CHE-PREMIUM

### Diamond Frames Premium Drywall Partition Systems

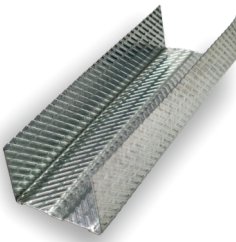




#### Diamond Frames Premium Metal Stud

Used as the vertical support in wall framing, these products are available in a range of widths, lengths and gauge depending on requirements for strength, height, impact resistance and sound insulation.

#### Diamond Frames Premium Floor & Ceiling Channel

The DF Premium Floor & Ceiling Channel used top & the base of the stud to ease board alignment and increase profile strength. Structural apertures are also spaced along the spine of the DF Premium Stud, providing easy routing of services through the partition.

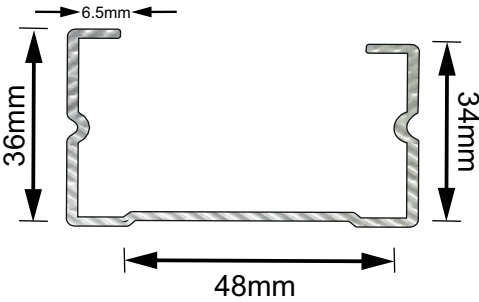


Product Description	Width mm	* Thickness mm	Length Feet	* Weight kg
DF-GI-Stud - 48mm Premium 	48	0.55	12	1.902
DF-GI-Floor & Ceiling Channel 50mm Premium 	50	0.55	12	1.688

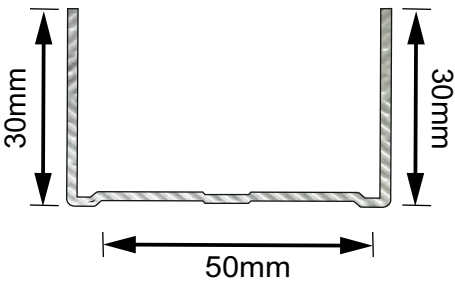
\* Thickness variation may occur .05mm (Plus or Minus) lot to lot  
\* Weight variation may occur 3% (Plus or Minus) lot to lot

### Diamond Frames Premium Drywall Partition Systems Profile

#### DF-GI-Stud - 48mm Premium



#### DF-GI-Floor & Ceiling Channel 50mm Premium





*Diamond Frames*™  
False Ceiling & Partition Systems

# Product Data Sheet

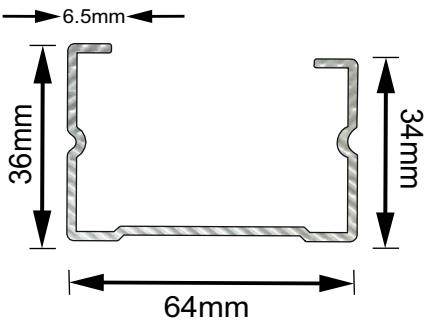
## PDS DFPL-CHE-PREMIUM

### Diamond Frames Premium Drywall Partition Systems

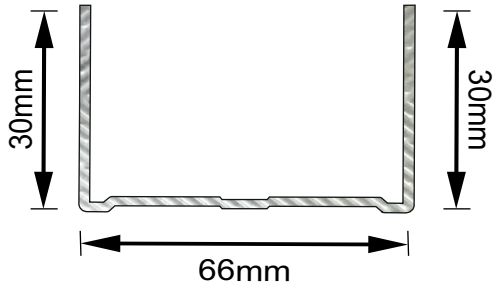
Product Description	Width mm	* Thickness mm	Length Feet	* Weight kg
DF-GI-Stud - 64mm Premium	64	0.55	12	2.140
DF-GI-Floor & Ceiling Channel 66mm Premium	66	0.55	12	1.933

\* Thickness variation may occur .05mm (Plus or Minus) lot to lot  
\* Weight variation may occur 3% (Plus or Minus) lot to lot

DF-GI-Stud - 64mm Premium



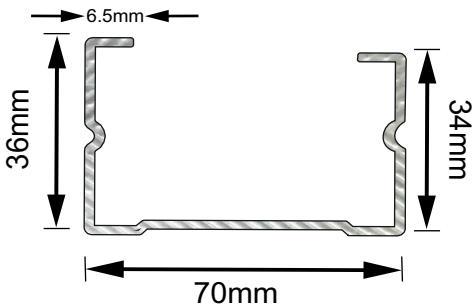
DF-GI-Floor & Ceiling Channel 66mm Premium



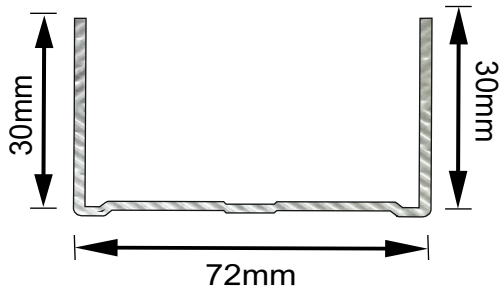
Product Description	Width mm	* Thickness mm	Length Feet	* Weight kg
DF-GI-Stud - 70mm Premium	70	0.55	12	2.240
DF-GI-Floor & Ceiling Channel 72mm Premium	72	0.55	12	2.026

\* Thickness variation may occur .05mm (Plus or Minus) lot to lot  
\* Weight variation may occur 3% (Plus or Minus) lot to lot

DF-GI-Stud - 70mm Premium



DF-GI-Floor & Ceiling Channel 72mm Premium









*Diamond Frames*™  
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# Product Data Sheet

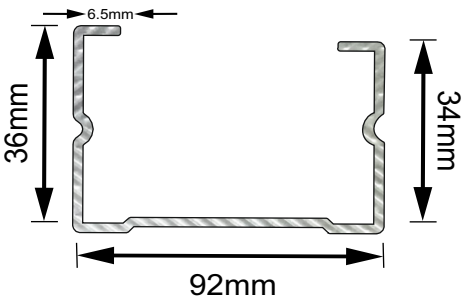
## PDS DFPL-CHE-PREMIUM

### Diamond Frames Premium Drywall Partition Systems

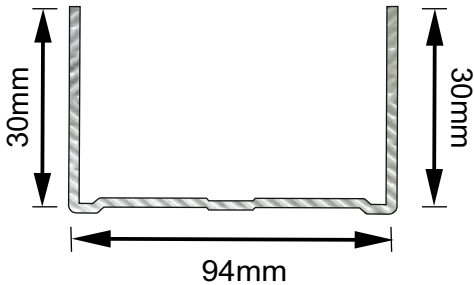
Product Description	Width mm	* Thickness mm	Length Feet	* Weight kg
DF-GI-Stud 92mm Premium 	92	0.55	12	2.578
DF-GI-Floor & Ceiling Channel 94mm Premium 	94	0.55	12	2.363



\* Thickness variation may occur .05mm (Plus or Minus) lot to lot  
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DF-GI-Stud - 92mm Premium



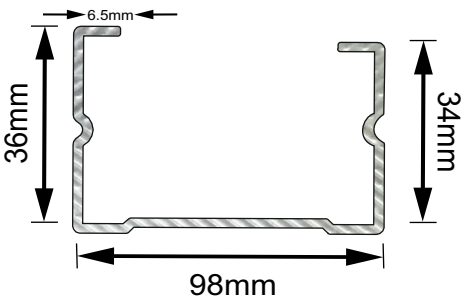
DF-GI-Floor & Ceiling Channel 94mm Premium



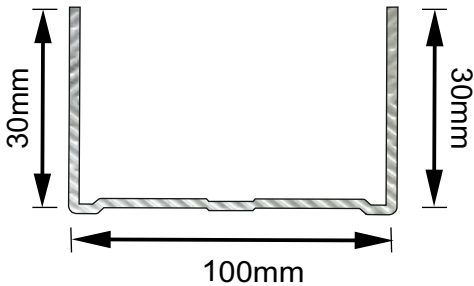
Product Description	Width mm	* Thickness mm	Length Feet	* Weight kg
DF-GI-Stud 98mm Premium 	92	0.55	12	2.900
DF-GI-Floor & Ceiling Channel 100mm Premium 	94	0.55	12	2.700

\* Thickness variation may occur .05mm (Plus or Minus) lot to lot  
\* Weight variation may occur 3% (Plus or Minus) lot to lot

DF-GI-Stud - 98mm Premium



DF-GI-Floor & Ceiling Channel 100mm Premium





**Diamond Frames**™  
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# Product Data Sheet

## PDS DFPL-CHE-PREMIUM

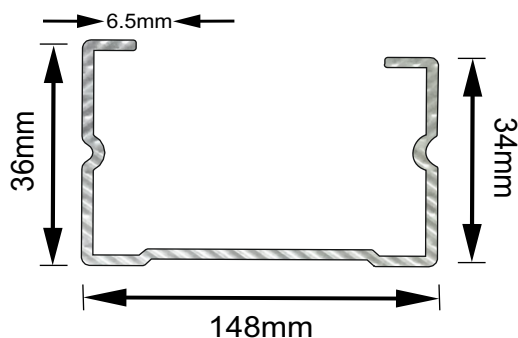
### Diamond Frames Premium Drywall Partition Systems

Product Description	Width mm	* Thickness mm	Length Feet	* Weight kg
DF-GI-Stud 148mm Premium 	148	0.60	12	3.760
DF-GI-Floor Channel 150mm Premium 	150	0.60	12	3.516

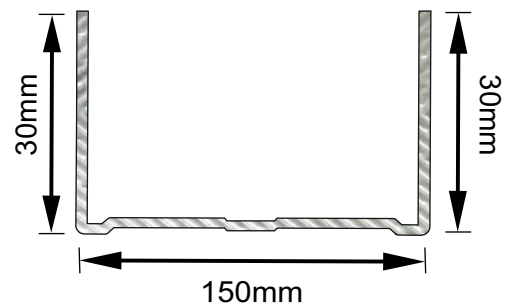
\* Thickness variation may occur .05mm (Plus or Minus) lot to lot

\* Weight variation may occur 3% (Plus or Minus) lot to lot

DF-GI-Stud - 148mm Premium



DF-GI-Floor & Ceiling Channel  
150mm Premium



## Safety & Handling Guidelines

**Recommended applications:** In concomitance with DF Gypsum Board to form internal partition walls and false ceiling systems, and other design encasements and linings

### The hazards include:

The aforementioned metal profiles aren't classified as dangerous as per CLP regulations. There are risks of cuts and abrasions from sharp edges and ends while handling metal profile and in use where it is fitted to floors or walls and are exposed, prior to fixing the DF Gypsum Board.

There is also a risk of potential movement of material, while cutting the banding due the release of tension. Skin irritation may be caused due to repeated contact with the metal edges. Special care to be taken while cutting, grinding or drilling as irritant fumes or dust may be produced which can cause metal fume fever.

### First aid procedures:

**Eye contact:** Medical consultation & treatment.

**Skin contact:** Wash thoroughly with soap and water.

**Ingestion:** Medical consultation & treatment.

**Inhalation:** Remove person to fresh air if irritation persists.

**General:** Seek medical consultation if any symptoms persist.

### Fire Safety Measures:

The products themselves don't pose a fire hazard. however, the protective coating or packing items may be combustible and emit hazardous fumes.

**Fire extinguishing options:** Carbon dioxide, Dry powder or Foam can be used for extinguishing.

# Product Data Sheet

## PDS DFPL-CHE-PREMIUM



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### Handling and Storage:

**Mechanical handling:** The metal profiles come in a standard size of 12ft. However, as per the client's requirement the product size may vary. While using a lift truck, it is important to consider the effect on the load centers to avoid overloading the lift truck.

### Manual Handling:

The DF Metal profiles come in a standard size of 12ft. However, as per the client's requirement the product size may vary. Kindly ensure to avoid using the banding or packing straps for lifting. Careful considerations are to be made with regard to the risks associated with manual handling of the metal profiles. Appropriate safety equipment, which include safety shoes, helmet, cut-resistant PPE should be used when handling the metal profiles.

### Storage

The following aspects are to be ensured

- Stacked horizontally on pallets in dry conditions.
- Pallets to be placed on a firm and stable level ground.
- Stack height shouldn't exceed the width of the stack base if support pillars are unavailable.
- Banding to be discarded at ground level only.

### Usage: Disclaimer:

There are risks associated with all cut metal profiles especially from the sharp edges and corners. The metal profiles which have been fixed to the floor or side walls, awaiting DF Gypsum Board fixing, may have exposed sharp edges. Therefore, it is highly essential to wear cut-resistant PPE and safety boots to avoid/minimize any accidental injury.

**Note:** Metal Profiles are not designed to support body weight, the installation team needs to work on independent support systems.

### Personal Safety Measures:

Eye Protection: Kindly ensure to wear site approved eye protection gear to avoid material contact while grinding or cutting.

Skin/Body protection: Wear all safety items such as cut-resistant gear, safety helmet and shoes while handling the metal profiles.

Respiratory Protection: Ensure to work in a well-ventilated area, wear safety masks adhering to International standards while power cutting or grinding.

### Physical & Attributes:

Appearances: GI Metal profiles in different lengths and thicknesses.

Odor: Oil (Protective Coating)

### Stability and reactivity:

Stable under normal dry conditions, It is susceptible to stains when exposed to moisture or water, however it does not affect product quality if the exposure is very limited/minimal.

★ *Diamond Frames PREMIUM*® is a registered trade mark of Diamond Frames Pvt. Ltd.