

2022

# REALSTEEL CEILING PRODUCTS CATALOG

Q2 2022 |

## Dryline Furring Channel Systems



**REALSTEEL**  
ENTERPRISES

# Dryline Furring Channel Systems

Furring Channel

Knurling Furring Channel

Main Channel

Stud Channel

W-Angle (Plain)

W-Angle (Perforated)

Wall Angle

Z-Trim

Aluminum Extruded

F Profile

Installation Method



## Introduction

Ceiling Suspension Systems are considered an important substitution for ordinary ceiling which is widely used in deferent locations either indoor or outdoor. Through the last 30 years, Ceiling Systems have undergone a lot of improvements and developments, depending on the place of usage and the way of assembly.

## Dryline Furring Channel Systems

### System Description

This System is a versatile hat-shaped metal channel, designed for “Furring” out any surface for final finish application. Furring channel is used in conjunction with cold rolled channel, suspended steel frame clad with gypsum board sheets. This system is ideal for smooth areas that is needed without joints or for concealing services.

# Dryline Furring Channel Systems

Furring Channel  
Knurling Furring Channel  
Main Channel  
Stud Channel

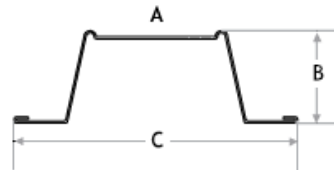
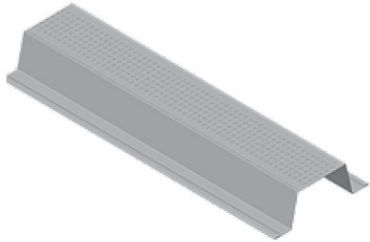
W-Angle (Plain)  
W-Angle (Perforated)  
Wall Angle  
Z-Trim

Aluminum Extruded  
F Profile  
Installation Method



## Dryline Furring Channel Systems

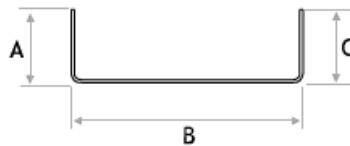
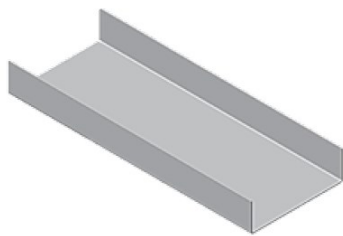
### Furring Channel



Galvanized Steel: BS EN  
10346:2009 (formerly BS EN  
10142:1991)  
Coating Type: Z90 & Z120 ASTM  
A653 /A653M  
Thicknesses and custom lengths  
are available upon request.

Reference	Dimensions			Thickness	Length	Material
	A	B	C			
<b>FC25G</b>	35 mm	22 mm	68 mm	0.5 mm	3048 mm	Galvanized
	1.38 in	0.87 in	2.68 in	25 Gauge	10'	Galvanized
	1 3/8"	7/8"	2 11/16"	25 Gauge	10'	Galvanized
<b>FC20G</b>	35 mm	22 mm	68 mm	0.9 mm	3048 mm	Galvanized
	1.38 in	0.87 in	2.68 in	20 Gauge	10'	Galvanized
	1 3/8"	7/8"	2 11/16"	20 Gauge	10'	Galvanized

### Main Channel



Galvanized Steel: BS EN  
10346:2009 (formerly BS EN  
10142:1991)  
Coating Type: Z90 & Z120 ASTM  
A653 /A653M  
Thicknesses and custom lengths  
are available upon request.

Reference	Dimensions			Thickness	Length	Material
	A	B	C			
<b>MC25G</b>	12 mm	38 mm	12 mm	0.5 mm	3048 mm	Galvanized
	0.48 in	1.50 in	0.48 in	25 Gauge	10'	Galvanized
	15/32"	1 1/2"	15/32"	25 Gauge	10'	Galvanized
<b>MC20G</b>	12 mm	38 mm	12 mm	0.9 mm	3048 mm	Galvanized
	0.48 in	1.50 in	0.4 in	20 Gauge	10'	Galvanized
	15/32"	1 1/2"	15/32"	20 Gauge	10'	Galvanized

# Dryline Furring Channel Systems

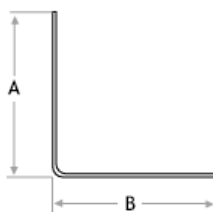
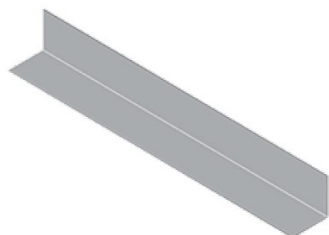
Furring Channel  
Knurling Furring Channel  
Main Channel  
Stud Channel

W-Angle (Plain)  
W-Angle (Perforated)  
Wall Angle  
Z-Trim

Aluminum Extruded  
F Profile  
Installation Method



## Wall Angle



Galvanized Steel: BS EN  
10346:2009 (formerly BS EN  
10142:1991)  
Coating Type: Z90 & Z120 ASTM  
A653 /A653M  
Thicknesses and custom lengths  
are available upon request.

Reference	Dimensions		Thickness	Length	Material
	A	B			
<b>WA25G</b>	25 mm	25 mm	0.5 mm	3048 mm	Galvanized
	0.99 in	0.99 in	25 Gauge	10'	Galvanized
	31/32 "	31/32"	25 Gauge	10'	Galvanized
<b>WA20G</b>	25 mm	25 mm	0.9 mm	3048 mm	Galvanized
	0.99 in	0.99 in	20 Gauge	10'	Galvanized
	31/32 "	31/32"	20 Gauge	10'	Galvanized



# Dryline Furring Channel Systems

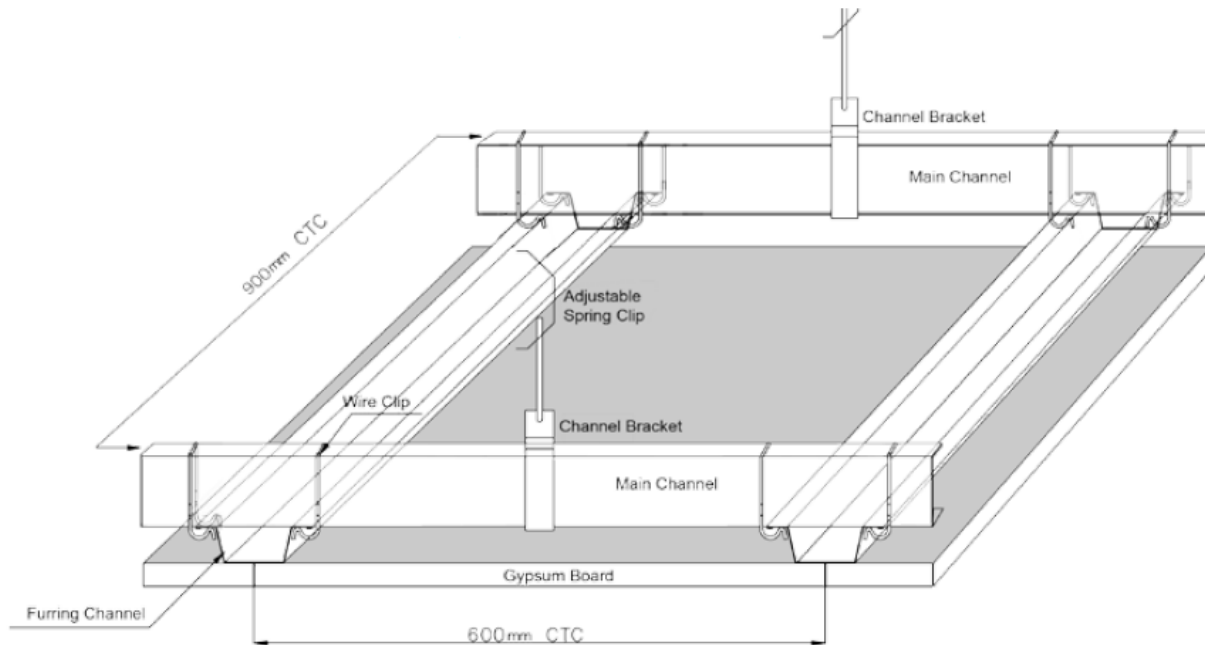
Furring Channel  
Knurling Furring Channel  
Main Channel  
Stud Channel

W-Angle (Plain)  
W-Angle (Perforated)  
Wall Angle  
Z-Trim

Aluminum Extruded  
F Profile  
Installation Method



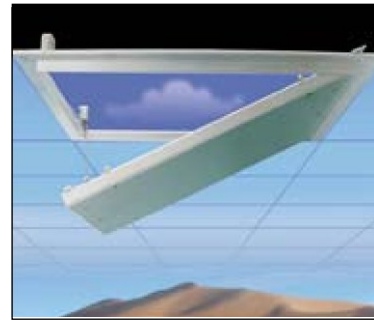
## Furring System Installation Method



1. Level marking on wall for suspended ceiling levels using water level or laser method as datum on walls. (Same method to be used for checking false ceiling gypsum board at corners and mid span of support system when fixed).
2. Fix wall angle for suspended ceiling.
3. Mark out and commence fixing of grid suspension system using Furring Channels at 600mm centers and Main Channels at 1,200mm centers not more than 900 mm from perimeter wall for both Furring and Main Channels. Suspension system to be with hanging wire and adjustable clip at 1,200 mm centers fixed to the soffit using ceiling clip and cartridge.
4. Connecting Main Channel with Furring Channel using wire clip.
5. Installation of Main Channel and Furring Channel to be adjusted where required accommodating MEP services, light fittings, diffusers, etc...
6. Gypsum board 12.50mm thickness to be screwed to Furring System with approved dry wall screws.
7. Filling of board joint gaps with joint compound.
8. Fixing of joint fiber tape on board joints and finishing with joint compound made ready to receive decoration.
9. Cut apertures for lights, plenum boxes, etc... Cut holes of HVAC balancing and re-fix.
10. Construct archway structure in angle system to required profile.

## Access Panels

- The Classic Panel provides protected openings in ceilings and walls for access to building engineering services. The Access Panel frame is finished in powder coated white and can be over painted to blend with the surrounding surface. The Classic Panel is a high-quality robust solution suitable for everyday use with all the discrete advantages the client demands of an access panel. Each panel is made to suit the individual tile and combination of tiles being used. This ensures no unsightly tile cuts or visible frames to disrupt the overall tiled finish. The design utilizes a continuous piano hinge that limits door sag to a minimum, thus avoiding chipped tiles caused by the door dropping as it is opened. The Access Panel frame consists of powder coated aluminum frame with Regular, Fire Resistant or Moisture Resistant Gypsum Board with a thickness ranging from 12mm up to 15mm.



- Access Panels Most Popular Sizes:

200 mm	x	200 mm	600 mm	x	600 mm
300 mm	x	300 mm	700 mm	x	700 mm
400 mm	x	400 mm	800 mm	x	800 mm
450 mm	x	450 mm	900 mm	x	900 mm
500 mm	x	500 mm	1000 mm	x	1000 mm



## Technical Specifications:

### Raw Materials Standards:

#### Aluminum

BS EN 573-3:2009, BS EN 485-2:2008  
ASTM B209M

#### Galvanized Steel

BS EN 10346:2009 (formerly BS EN 10142:1991)  
Coating Type: Z120, Z180 & Z275  
ASTM A653/A653M

#### Stainless Steel

BS EN 10088-2:2005 (formerly BS 1449:Part 2:1983)  
ASTM A240/A240M

#### Preformed Wire Clip

Galvanized Steel Wire to BS EN 10244-2:2009  
ASTM A641/A641M

#### Hanging Wire

Galvanized Steel Wire to BS EN 10244-2:2009  
ASTM A641/A641M

#### Adjustable Spring Clip

Carbon Steel Strip to BS EN 10132-4:2000  
Zinc Plated to BS EN ISO 2081:2008  
Phosphated to BS 7371-9:1996

#### Main Channel Bracket / Channel Clamp /Spring Tee Hanger / Spring Tee Connector /Ceiling Rail Connector / Main Tee L-Shape Connector & other G.I. Accessories

Galvanized Steel Strip to BS EN 10346:2009,  
ASTM A653/A653M

### Manufacturing Standards:

#### Drywall Partitioning Systems & Dryline Ceiling Systems

BS EN 10162:2003, BS 5234-1:1992,  
BS 7364:1990, BS EN 14195:2005 ASTM C645

#### Ceiling Suspension Systems (Tee Grid System)

ASTM C635-97

#### Hot Dip Galvanizing After Fabrication (HDGAF)

BS EN ISO 1461:1999 (formerly BS 729)  
ASTM A123/A123M

#### Powder Coating

BS 6497:1984

### Engineering Department:

#### Load Calculation:

ASTM C645 - 5.1 Standards

#### MADE IN UAE



## Orders and enquiries:

### **New Jersey - USA**

Tel : +1 (551) 998-2544

### **Dubai - United Arab Emirates**

Tel : +971 50 243 6932

### **Cairo - Egypt**

Tel : +20 100 134 1333

**Email:** [sales@realsteelenterprises.com](mailto:sales@realsteelenterprises.com)

**Website:** [www.realsteelenterprises.com](http://www.realsteelenterprises.com)