

Chicago Metallic[®] Drywall Grid

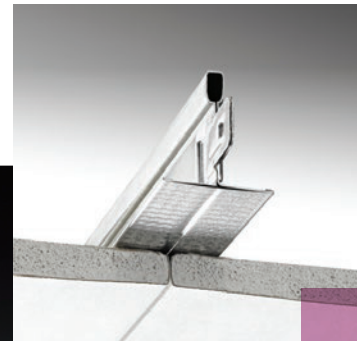
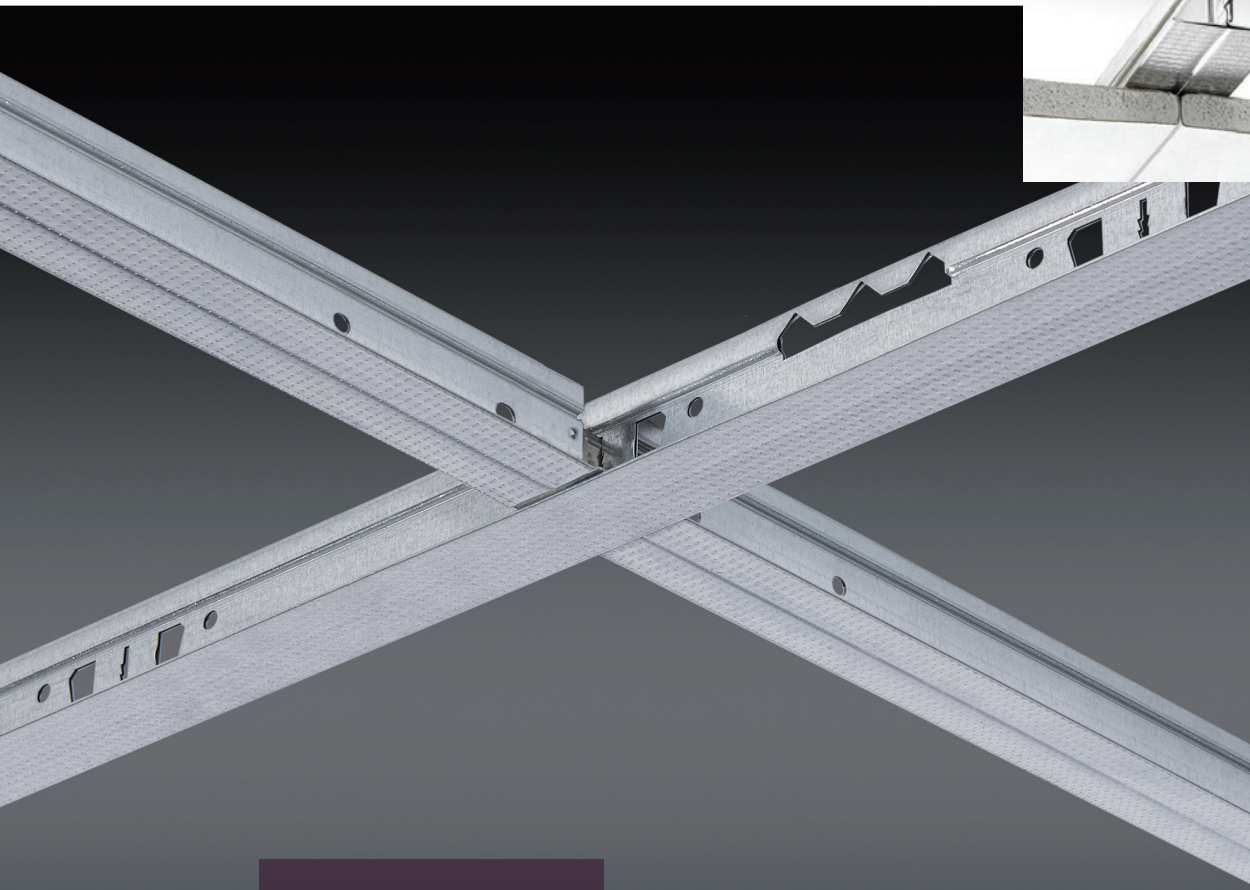
Features and Benefits

- Heavy Duty drywall grid design features stab-end and hook-end cross tee options
- Eliminates the need for traditional framing and reduces onsite labor
- 650 fire-rated suspension system components are designed with expansion reliefs, making it suitable for fire-rated ceiling assemblies
- Chicago Metallic suspension systems meet Class-A flame spread rating in accordance with ASTM standard E84

Applications

- Hospitals
- Hospitality
- Retail
- Lobbies
- Department Stores
- Galleries
- Residential High Rise

Drywall Ceiling Suspension System



Chicago Metallic® Drywall Grid



LEED® v4.1 Highlights

Materials and Resources (MR)

Waste Management Planning	✓
Interiors Life Cycle Impact Reduction	✓
Environmental Product Declarations	✓
Sourcing of Raw Materials	✓
Material Ingredients	-
Waste Management	✓

Indoor Environmental Quality (EQ)

Low-Emitting Materials	✓
Interior Lighting	✓

Recycled Content 30%

Performance Properties:

Base Material	Hot-Dip Galvanized Steel (HDG-40)
Capping	Knurled Face Hot-Dip Galvanized Steel (HDG-40)
End Details	Main Runners: Bayonet-End Coupling Cross Tees: Stab-End, Hook-End
Structural Classification	Heavy Duty per ASTM C635
Flame Spread Rating	Class A per ASTM E84
Warranty	40-Year Suspension System Warranty
Recycled Content	30%

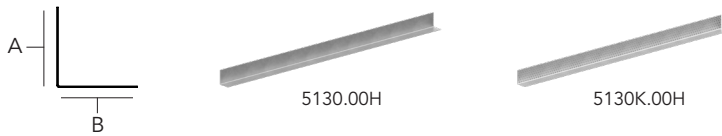
Main Runners/Cross Tees

Detail	Product Number	Length x Height (A) x Face (B)	Grid Coupling Type	Slotting	Structural Classification (ASTM C635)	Fire-Rated	Seismic	Packaging			Palletization	
								Pcs/Ctn	LF/Ctn	Lbs/Ctn	Ctn/Pallet	Lbs/Pallet
Main Runners												
	640.00C	144" x 1-1/2" x 1-3/8"	Bayonet-End	8" OC	HD	-	A-F	20	240	86	28	2408
	650.00C	144" x 1-1/2" x 1-3/8"	Bayonet-End	8" OC	HD	✓	A-F	20	240	86	28	2408
	Notched Main Runner for Field Curving											
	640.00CR	144" x 1-1/2" x 1-3/8"	Bayonet-End	8" OC	HD	-	A-F	20	240	86	28	2408
Cross Tees												
	644.00C	48" x 7/8" x 1-3/8"	Hook-End	1 Slot at Midpoint	-	-	A-C	40	160	46	30	1380
	654.00C	48" x 1-1/2" x 1-3/8"	Hook-End	No Slots	-	✓	A-C	40	160	47	30	1410
	664.00C	48" x 7/8" x 1-3/8"	Stab-End	1 Slot at Midpoint	-	-	A-F	40	160	40	30	1200
	674.00C	48" x 1-1/2" x 1-3/8"	Stab-End	1 Slot at Midpoint	-	✓	A-F	40	160	47	30	1410
	677.00C	72" x 7/8" x 1-3/8"	Stab-End	24 OC	-	✓	A-F	20	120	43	Palletized to Order	2394
	1274.01Z	48" x 1-1/2" x 15/16"	Stab-End	3 Slots 12" OC	-	✓	A-F	60	240	73.2	30	2196

Custom slotting available. Contact Rockfon Customer Service for details and service levels.

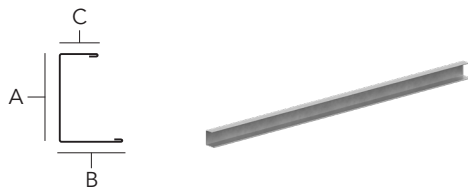
Perimeter Components

Drywall Angles



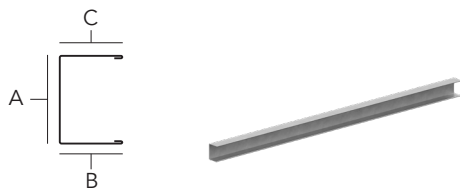
Product Number	Length, Height (A) x Face (B)	Packaging			Palletization	
		Pcs/Ctn	LF/Ctn	Lbs/Ctn	Ctn/Pallet	Lbs/Pallet
5130.00H	120", 1-1/2" x 1-1/2"	30	300	57	Palletized to order	Palletized to order
5130K.00H	120", 1-1/2" x 1-1/2" Knurled Face	30	300	57	Palletized to order	Palletized to order

Slip-on Drywall Moldings



Product Number	Length, Height (A) x Face (B)	Packaging			Palletization	
		Pcs/Ctn	LF/Ctn	Lbs/Ctn	Ctn/Pallet	Lbs/Pallet
680.01	120", 3/4" x 7/8" x 1/2" White	75	750	65	18	1170
678.01	120", 5/8" x 7/8" x 1/2" White	80	800	60	18	1080
682.01	120", 1" x 7/8" x 1/2" White	50	500	50	18	900
676.01	120", 1/2" x 7/8" x 1/2" White	100	1000	50	18	900

Drywall Track



Product Number	Length, Height (A) x Face (B)	Packaging			Palletization	
		Pcs/Ctn	LF/Ctn	Lbs/Ctn	Ctn/Pallet	Lbs/Pallet
1450.00	144", Drywall Track 1-9/16" x 1" x 1"	10	120	24	42	1008

Accessories

	Detail	Rockfon Part Number	Product Number	Product Description	Packaging	
					Pcs/Ctn	Lbs/Ctn
Drywall Accessories		253160	VPCLIP.100	Variable Placement Clip	100	3
		250326	435.00	Drywall furring runner clip	210	6
		250320	405.00	Drywall Track Clip	100	16
Access Doors (GRG)		250377	8501.00	9"x9" GRG Access Door and Frame	1	5
		310081	8502.00	12"x12" GRG Access Door and Frame	1	6
		310082	8503.00	18"x18" GRG Access Door and Frame	1	10
		313253	8504.00	24"x24" GRG Access Door and Frame	1	13
		313256	8505.00	30"x30" GRG Access Door and Frame	1	22
Hanger Wire		250590	96CTL144	Hanger Wire 12' x 12-Gauge	Bundle	50
Tools		250349	937.00	Cross Tee Slotter	1	3
		250353	943.00	Cross Tee Removal Tool	1	1
		250354	944.00	Wire Tie Tool	1	1

Performance

Furring Main Runner Allowable Load Test Data (Lb/Ft*)

Main Runner	Length	Fire-Rated	Hanger Spacing (L/360)		Hanger Spacing (L/240)	
			ASTM C635 - 4'		ASTM C635 - 4'	
640.00C	144"	-	HD		26.0 ♦	
650.00C	144"	✓	HD		26.0 ♦	

Hanger wire must be installed within 3" of fire break along Main Runner in fire-rated installations.

Furring Cross Tee Allowable Load Test Data (Lb/Ft*)

Furring Tee	Length	Fire-Rated	Hanger Spacing (L/360)		Hanger Spacing (L/240)	
			ASTM C635 - 4'	6'	ASTM C635 - 4'	6'
644.00C	48"	-	14.3	-	16.0 ♦	-
654.00C	48"	✓	14.3	-	16.0 ♦	-
664.00C	48"	-	14.3	-	16.0 ♦	-
674.00C	48"	✓	14.3	-	16.0 ♦	-
677.00C	72"	✓	-	5.24	-	7.6
Cross Tee Allowable Load Test Data (Lb/Ft*)						
1274.01Z	48"	✓	17.0	-	17.5 ♦	-

* To convert data into lb/ft², divide on center spacing of suspension component into lb/ft.

♦ Limited by safety factor of 2.

Install systems in accordance with ASTM C636. Other requirements may apply.

677.00C has an allowable load of 7.6 based on L/240 span deflection

Membrane Allowable Load Test Data (Lb/Ft²)

Component Combination Main Runner/Cross Tee	Hanger Wire/Cross Tee Spacing (L/360)		Hanger Wire/Cross Tee Spacing (L/240)	
	48"/24"	32"/16"	48"/24"	32"/16"
640.00C/644.00C	6.9	10.4	7.5	12.0
640.00C/644.00C/1274.01H	5.5	6.2	5.8	6.6
640.00C/664.00C	6.9	10.4	7.5	12.0
640.00C/664.00C/1274.01H	5.5	6.2	5.8	6.6
640.00C/677.00C	2.62	3.93	3.8	5.7
650.00C/654.00C	6.6	7.7	6.6	7.8
650.00C/654.00C/1274.01Z	5.5	6.2	5.8	6.6
650.00C/674.00C	6.6	7.7	6.6	7.8
650.00C/674.00C/1274.01Z	5.5	6.2	5.8	6.6
650.00C /677.00C	2.62	3.93	3.8	5.2

Membrane loading is not applicable when these components are used in a fire-rated assembly. Consult UL Fire Resistance Directory for installation details.

650 Furring Runner values based on hanger wire installed within 4" of fire break.

UL® Fire-Rated Assemblies

Floor and Ceiling Designs - Type 650

D501 D502 D503 D505 G523
G524 G525 G526 G527 G528
G529 L211 L502 L508 L513
L515 L525 L526 L529

Roof and Ceiling Designs - Type 650

P237 P239 P241 P506 P507
P508 P509 P510 P513 P514

Material

ASTM C 635 Heavy Duty (HD) furring runner classification; commercial quality steel, HDG-40 hot-dip galvanized body and knurled face cap, 1-3/8" width, 1-1/2" height. Also complies with ASTM C 645 and ASTM C 754.

Note: A metallurgist should be consulted regarding the suitability of this product for the environmental conditions in which it is being installed.

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