

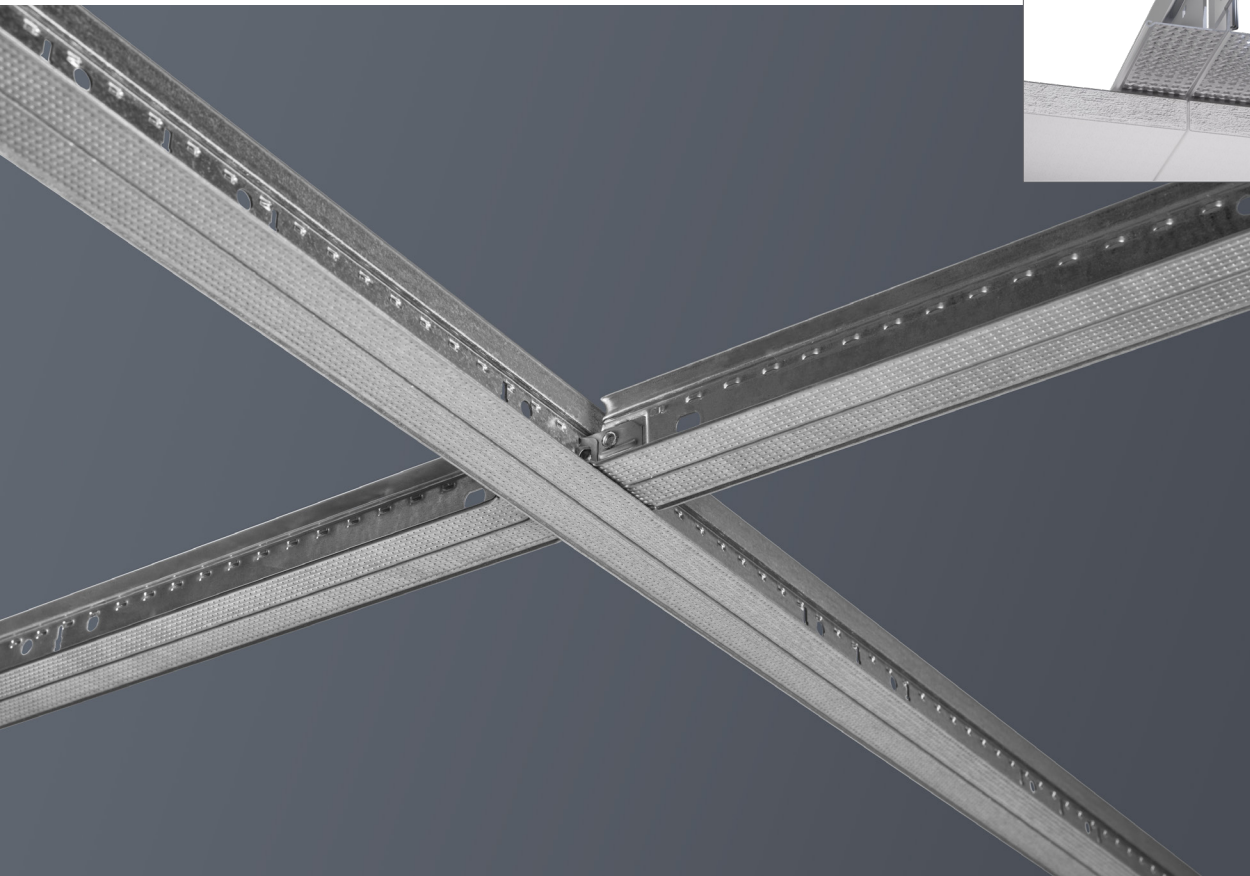
Chicago Metallic[®] Drywall Grid

Features and Benefits

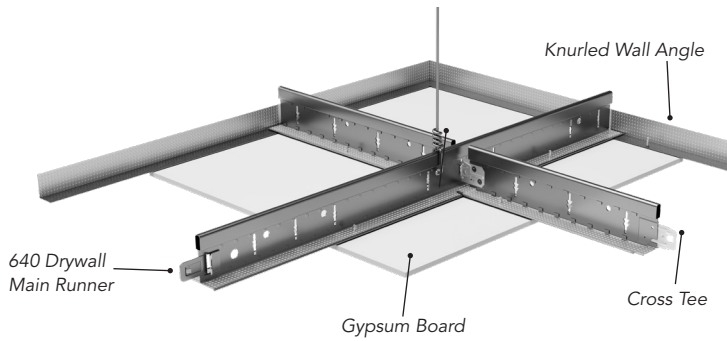
- Heavy Duty drywall grid featuring stab-end cross tees
- Eliminates the need for traditional framing and reduces onsite labor
- Patented 45 degree hemmed edge will prevent screw spin out during installation
- 1-1/2" wide knurled face provides greater surface area for installation of drywall
- Standard cross tee sizes of 4', 6' and 50" allow for increased layout flexibility
- Grouping of 3 cross tee slots creates greater flexibility when installing Type G and F fixtures
- Chicago Metallic brand suspension systems meet Class-A flame spread and smoke developed rating in accordance with ASTM E84

Applications

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



Chicago Metallic® Drywall Grid Suspension



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:

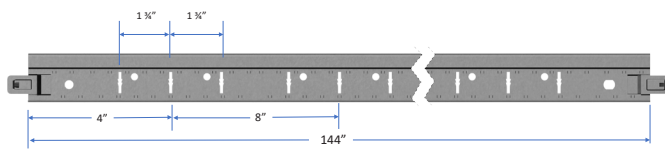
Base Material	Hot-Dip Galvanized Steel (HDG-40)
Capping	None – Knurled Face
End Details	Main Runners: Bayonet-End Coupling Cross Tees: Stab-End
Structural Classification	Heavy Duty per ASTM C635
Flame Spread Rating	Class A per ASTM E84
Warranty	40-Year Suspension System Warranty
Recycled Content	30%

640 Drywall Suspension System

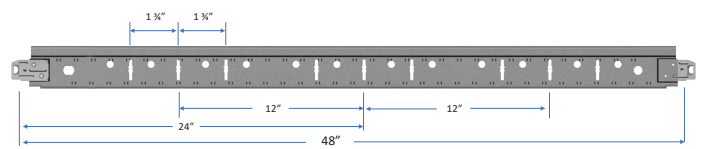
Detail	Catalog Number	Product Number	Face Dimension	Length	Height	Structural Classification (ASTM C635)	Seismic	Packaging			Ctn/Pallet
								Pcs/Ctn	LF/Ctn	Lbs/Ctn	
	Main Runner										
	640.00D	343305	1-1/2"	144"	1.68"	HD	A-F	20	240	83	28
	Cross Tees										
	664.00D	343296	1-1/2"	48"	1.54"	-	A-F	40	160	51	30
	675.00D	343298	1-1/2"	50"	1.54"	-	A-F	40	160	53	30
	677.00D	343299	1-1/2"	72"	1.54"	-	A-F	20	120	40	28

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

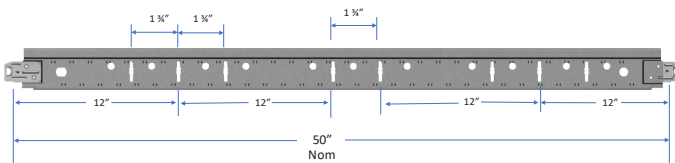
640.00D/664.00D System Components – Routing



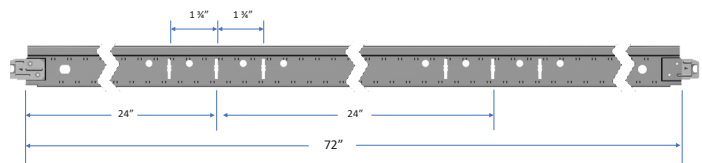
640.00D 12' Main Runner



664.00D 48" Cross Tee

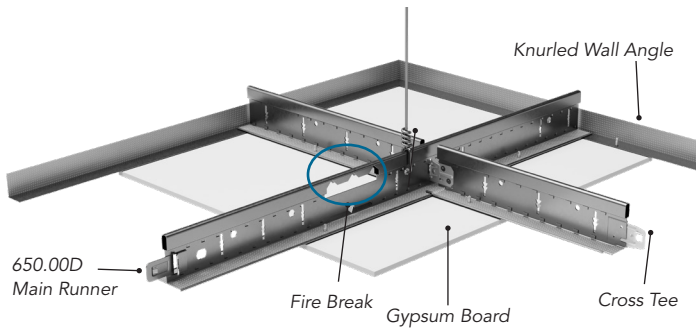


675.00D 50" Cross Tee



677.00D 72" Cross Tee

Chicago Metallic® Drywall Grid Suspension



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	None – Knurled Face
End Details	Main Runners: Bayonet-End Coupling Cross Tees: Stab-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%

650 Fire Rated Drywall Suspension System

Detail	Catalog Number	Product Number	Face Dimension	Length	Height	Structural Classification (ASTM C635)	Seismic	Packaging			Ctn/Pallet
								Pcs/Ctn	LF/Ctn	Lbs/Ctn	
	Main Runner										
	650.00D	343306	1-1/2"	144"	1.68"	HD	A-F	20	240	83	28
	Cross Tees										
	674.00D	343297	1-1/2"	48"	1.54"	-	A-F	40	160	51	30
	675.00D	343298	1-1/2"	50"	1.54"	-	A-F	40	160	53	30
	677.00D	343299	1-1/2"	72"	1.54"	-	A-F	20	120	40	28

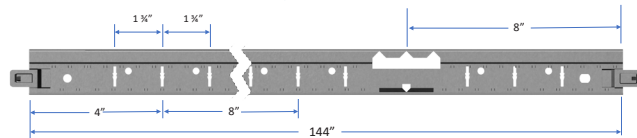
Custom slotting available. Contact Rockfon Customer Service for details and service levels.

UL Fire Rated Designs

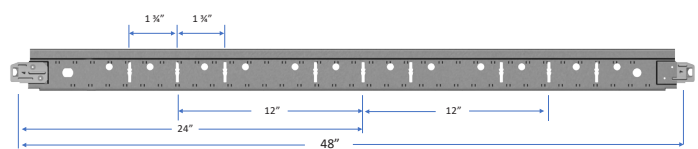
Floor-Ceiling Designs - Type 650D							
D501	D502	D503	D505	G523	G524	G525	G526
G527	G528	G529	G531	G547	G553	G560	G561
G579	G597	G594	H506	L211	L502	L508	L513
L515	L525	L526	L527	L529	L564	L570	

Roof Ceiling Designs - Type 650D				
P237	P239	P241	P506	P507
P508	P509	P510	P513	P514
P506	P533			

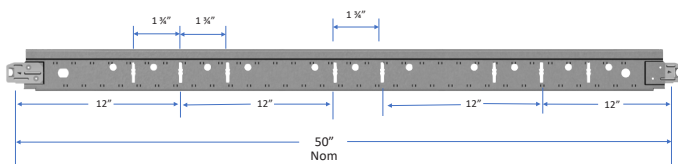
650.00D/674.00D System Components – Routing



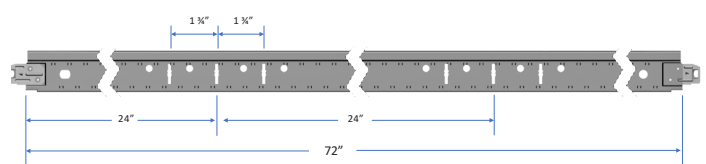
650.00D Main Runner



674.00D 48" Cross Tee



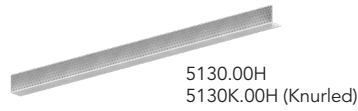
675.00D 50" Cross Tee



677.00D 72" Cross Tee

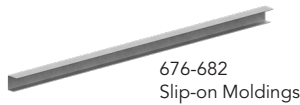
Drywall Systems Perimeter Components

Drywall Angles



Catalog Number	Product Number	Length	Face Dimension	Height	Top Flange	Packaging		
						Pcs/Ctn	LF/Ctn	Lbs/Ctn
5130.00H	250056	120"	1-1/2"	1-1/2"	-	30	300	57
5130K.00H	250098	120"	1-1/2"	1-1/2"	-	30	300	57

Slip-on Moldings



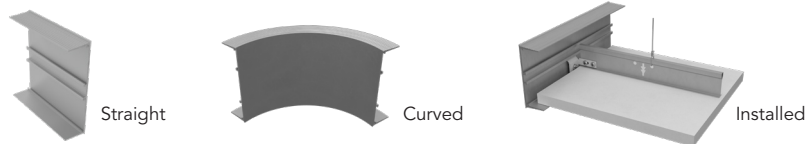
Catalog Number	Product Number	Length	Face Dimension	I.D	Top Flange	Packaging		
						Pcs/Ctn	LF/Ctn	Lbs/Ctn
680.01	249693	120"	7/8"	3/4"	1/2"	75	750	65
678.01	249692	120"	7/8"	5/8"	1/2"	80	800	65
682.01	249694	120"	7/8"	1"	1/2"	50	500	50
676.01	249681	120"	7/8"	1/2"	1/2"	100	1000	77

Wall Track



Catalog Number	Product Number	Length	Face Dimension	I.D	Top Flange	Packaging		
						Pcs/Ctn	LF/Ctn	Lbs/Ctn
1450.00	249715	144"	1"	1-9/16"	1"	10	120	28

Infinity D Perimeter Trim



Catalog Number	Shape	Length	Face Dimension	I.D	Top Flange	Packaging
04471S.xxx	Straight	As Needed	15/16"	4"	15/16"	Product is Packaged Per Order
04471C.xxx	Curved	As Needed	15/16"	4"	15/16"	Product is Packaged Per Order
04472S.xxx	Straight	As Needed	15/16"	6"	15/16"	Product is Packaged Per Order
04472C.xxx	Curved	As Needed	15/16"	6"	15/16"	Product is Packaged Per Order

Accessories

	Detail	Product Description	Catalog Number	Rockfon Part Number	Packaging	
					Pcs/ Ctn	Lbs/ Ctn
Access Door Kits (GRG)		9" x 9" GRG Access Door and Frame	8501.00	250377	1	5
		12" x 12" GRG Access Door and Frame	8502.00	310081	1	6
		18" x 18" GRG Access Door and Frame	8503.00	310082	1	10
		24" x 24" GRG Access Door and Frame	8504.00	313253	1	13
		30" x 30" GRG Access Door and Frame	8505.00	313256	1	22
Other Accessories		Drywall furring runner clip	435.00	250326	210	6
		Drywall Track Clip	405.00	250320	100	16
		Cross Tee Slotter	937.00	250349	1	3
		Cross Tee Removal Tool	943.00	250353	1	1
		Wire Tie Tool	944.00	250354	1	1
		12 ga. Hanger Wire	96CTL144	250590	Bundle	50
		30-Degree Angle Clip	479.030	350249	25	5
		45-Degree Angle Clip	479.045	350251	25	5
		60-Degree Angle Clip	479.060	350252	25	5
		90-Degree Angle Clip	479.090	350253	25	5
		90-Degree Horizontal Clip	479.00	253183	25	5

Performance

Allowable Load Test Data (Lb/Ft)

640 Drywall Furring System

Main Runner	Face	Height	Length	Simple Span, Deflection (LBS per LF)					
				24"		36"		48"	
				L/240	L/360	L/240	L/360	L/240	L/360
640.00D	1-1/2"	1.68"	144"	158.3	115.0	55.3	38.7	25.9	17.9

Cross Tees	Face	Height	Length	Simple Span, Deflection (LBS per LF)					
				48"		50"		72"	
				L/240	L/360	L/240	L/360	L/240	L/360
664.00D	1-1/2"	1.54"	48"	21.0	14.5				
675.00D	1-1/2"	1.54"	50"			20.4	14.1		
677.00D	1-1/2"	1.54"	72"					7.2	5.0

Material

ASTM C 635 Heavy Duty (HD) furring runner classification; commercial quality steel, HDG-40 hot-dip galvanized body and knurled face, 1-1/2" width. Main runner height 1.68", Cross tee height 1.54". 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.

650 Fire-Rated Drywall Furring System

Main Runner	Face	Height	Length	Simple Span, Deflection (LBS per LF)					
				24"		36"		48"	
				L/240	L/360	L/240	L/360	L/240	L/360
650.00D	1-1/2"	1.68"	144"	158.3	115.0	55.3	38.7	25.9	17.9

Cross Tees	Face	Height	Length	Simple Span, Deflection (LBS per LF)					
				48"		50"		72"	
				L/240	L/360	L/240	L/360	L/240	L/360
674.00D	1-1/2"	1.54"	48"	21.0	14.5				
675.00D	1-1/2"	1.54"	50"			20.4	14.1		
677.00D	1-1/2"	1.54"	72"					7.2	5.0

Hanger Wire must be installed within 3" of fire break along main runners in fire-rated installations.

* 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.

Membrane Allowable Load Test Data (Lb/Ft²)

Component Combination Main Runner/Cross Tee	Hanger Wire/Cross Tee Spacing (L/240)		Hanger Wire/Cross Tee Spacing (L/360)	
	48"/24"	32"/16"	48"/24"	32"/16"
	640.00D/664.00D	6.5	13.8	4.5
650.00D/674.00D	6.5	13.8	4.5	9.7
640.00D/677.00D	6.5	5.4	2.5	3.8
650.00D/677.00D	6.5	5.4	2.5	3.8
640.00D/675.00D	6.5	13.28	4.3	9.3
650.00D/675.00D	6.5	13.28	4.3	9.3

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 3" of fire break.

Customer responsible for confirming applied load weight.

Standard Weights (approx) 1/2" drywall - 2.0 lbs. per SF

5/8" drywall - 2.5 lbs. per SF

2 layers of 5/8" drywall - 5.0 lbs. per SF



Material

HDG-40 Hot Dipped Galvanized Steel



Fire Performance

Surface Burning Characteristics:
UL723 (ASTM E84) Flame Spread Index: 0
Smoke Developed Index (UL Labeled): 0



Environment

Steel: 30% recycled content
100% locally recyclable



Warranty

40-Year Limited Product Warranty
See rockfon.com



Hygiene

Metal provides no sustenance
to microorganisms

050724

Rockfon

4849 S. Austin Ave.
Chicago, IL 60638 USA

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Tel. +1-800-323-7164
cs@rockfon.com
rockfon.com