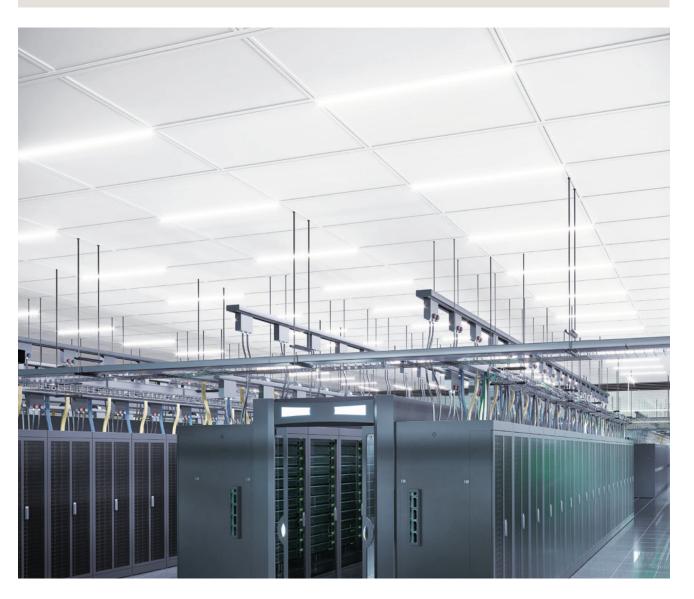


Armstrong®

World Industries



Technical Guide

DynaMax®

Structural Aluminum Suspension System

Hang Tough

Meet DynaMax® Structural Grid

DynaMax® is a structural aluminum suspension system that serves as both a ceiling system and structural component by providing a suspension or attachment platform for cable trays, equipment, partitions and containment barriers while eliminating penetrations in the ceiling system.

For years, the typical construction method for data centers was to have a structural system, like slotted strut, to suspend heavy loads, then an acoustical ceiling to contain air flow and protect the equipment from debris. We have combined these two needs into one with the DynaMax suspension system. Our design provides strength, flexibility, construction efficiencies, and faster, easier installation.

Suspension Systems Code Compliance You Can Trust

Meets:

- ASTM C635

Seismic D, E, F

- ASTM C636

configurations available

- ASTM E580
- ICC-ES AC156





DynaMax® Structural Grid Data Center Installation

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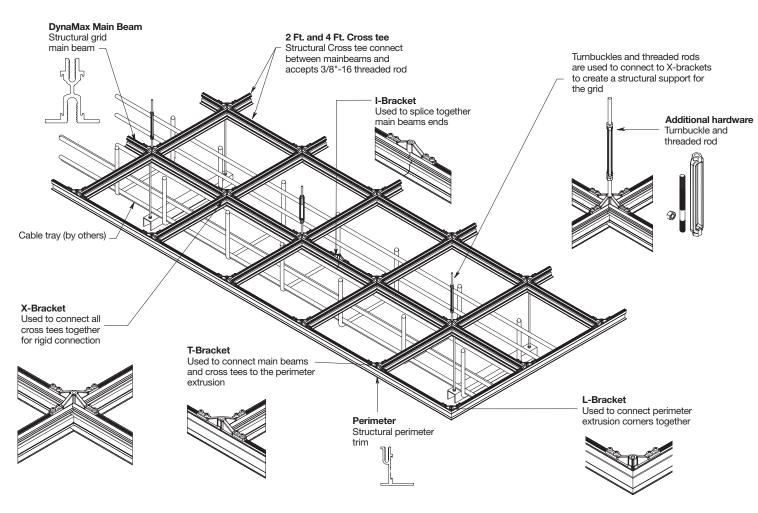
- 4 How the System Works
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About the System

How the System Works

For additional information and technical guidelines, contact TechLine at 877 276-7876 and select prompts 1-2-3.



ACCESSORIES

DMLB - L-Bracket -

DMLB - 12 PCS

Used to connect perimeter

extrusion corners together

DMXB - X-Bracket Used to connect all cross tees together for rigid connection



Used to connect main beams and cross tees







DMIB - I-Bracket -Used to splice together main beam ends



DMIB - 12 PCS

DMHWK - Hardware Kit -Turnbuckles and threaded rods are used to connect the X-brackets to the threaded rod to create a structural support for the grid. (1/2" hardware kit available upon request)





DMBSP - DynaMax Main Beam Splice Plate -Used with DMIB I-Bracket to splice together main beams that butt up against one another DMBSP - 12 PCS

DM3FGSKT - 108 LF/roll

OPTIONAL ACCESSORIES

DMHDC - Hold-down Clip -Attaches to the suspension system to hold Lay-in panels

DMHDC - 100 PCS



DM3FGSKT - Main Beam and Cross Tee Field Gasket for DynaMax - Field Gasket option for DynaMax Main Beams and Cross Tees

DM3FGSKT - 108 LF/roll

DMHDC - Hold-down Clip -Attaches to the suspension system to hold Lay-in panels in place

DMHDC - 100 PCS

Suspension System Components

This fully accessible and flexible system allows you to support heavy point loads to provide a solution for various ceiling applications and requirements.

Key Selection Attributes

- Ideal combination of a finished ceiling system with a structural solution
- Provides a suspension platform or attachment for data center cable trays, equipment, partitions and hot and cold aisle containment barriers from building structure to below the ceiling plane
- Finished ceiling system offers a containment barrier to protect servers from debris
- Easy integration into a conventional grid system using AXTBC clip and DynaMax® boss channels
- DynaMax suspension systems can integrate seamlessly with select Armstrong® ceiling panels for a complete ceiling system solution
- Supports up to a 900 lb. point load rating using 3/8"-16 threaded rod at 48" × 48" connection points
- Suspension system has continuous threaded boss channel, allowing 3/8"-16 threaded rod to be installed to the suspension system at any location
- · Controls airflow by eliminating penetrations
- Available in 24" × 24", 24" × 48" and 48" × 48" suspension system layouts
- CNC override feature creates a tight fit minimizing air leakage between plenum and occupied space
- Fully accessible system allows for future expansion and upgrades

- Non-progressive installation gives the ability to remove or replace a section of the system without the need to dismantle those components around it
- Cross tees not bearing any load are removable for plenum access without compromising the structural integrity of the system
- 10-Year Limited Warranty; 30-Year Limited System Warranty
- X-Brackets installed on DynaMax grid provide attachment points for 48" x 48" suspension from building structure
- DynaMax grid provides increased temperature and pressure management, reduced leakage, and enables the best hot and cold air containment at the ceiling plane when compared to other ceiling types
- Available with Ultima® AirAssure™ panels with factory-gasketed edges to provide even greater temperature and pressure management
- Now available with MetalWorks[™] ceiling panels
- Lighting, diffuser, and containment options are available from our Data Center lighting and MEP partners

Ceiling panels are specially sized and engineered for the DynaMax suspension system and must be used with the system. These panels do not fit in other suspension systems.

For custom layout information and technical guidelines, contact TechLine customer support at 877 276-7876



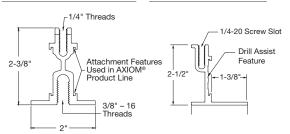
DynaMax Structural Aluminum Data Center Suspension System

VISUAL SELECTION PACKAGING

Item No.	Description	Dimensions (Inches)	PCS/ CTN	LF/ CTN
DynaMax Structural	Aluminum Data Center Susper	nsion System		
□ DM4301	Main Beam	144 × 2 × 2-3/8"	4	48
□ DM4340	4' Cross Tee	48 × 2 × 2-3/8"	12	48
□ DM4320	2' Cross Tee	24 × 2 × 2-3/8"	12	24
□ DM4800	Perimeter Molding	144 × 2-1/8 × 2-1/2"	4	48

Note: Contact local engineer for job specific load and/or seismic requirements

DETAILS



DynaMax Main Beam DM9800 Perimeter Molding

LOAD DATA FOR DYNAMAX SUSPENSION SYSTEMS

Member Span and Spacing (inches)	48"	60"	72"
Maximum Allowable Uniform Area Load (LBS/SF)	56.25	45	37.5
Mid-Span Point Load @ L/360 Deflection (LBS)	320	200	140
Maximum Static Point Load (LBS)	900	900	900
Turnbuckle Maximum Load to Structure (LBS)	900	900	900

For additional load-carrying capability, ask your Armstrong $^{\circ}$ Rep about DynaMax $^{\circ}$ Plus Structural Grid System.

About the System

Recommended Ceiling Panels

VISUAL SELECT	ION		PERF	ORMAN	ICE SEL	ECTI	ON Do	ots repr	esent hiç		of peri	formar	nce		
Edge	Item	Dimensions	Sound Absorption	Sound Blocking	Total Acoustics1	Articulation Class	Fire Performance	Light Reflect	Mold & Mildew Protection	Sag Resistant pre +	Certified Low VOC Emissions	Durability	Recycled Con- tent	Recycle Program	30-Yr Warranty
Profile	No.	(Inches)	NRC -	+ (AC) =	NRC CAC	AC T	(3)	V	<u> </u>	0				(2)	
FINE FISSURED™ for DynaMax® Square Lay-in	4126	23-1/4 × 23-1/4 × 5/8"	0.55	35	N/A	N/A	Class A	0.82	•	•	•	Std	Std	•	٠
	4126BL (Black)	23-1/4 × 23-1/4 × 5/8"	0.55	35	N/A	N/A	Class A	N/A	•	•		Std	Std		•
	4127	23-1/4 × 47-1/4 × 5/8"	0.55	35	N/A	N/A	Class A	0.82	•	•	٠	Std	Std	•	•
	4127BL (Black)	23-1/4 × 47-1/4 × 5/8"	0.55	35	N/A	N/A	Class A	N/A	•	•	•	Std	٠	·	•
CALLA® for DynaMax®	2896	23-1/4 × 23-1/4 × 1"	0.85	35	BEST (III)	170	Class A	0.85	•	•		•	٠		•
Square Lay-in	2896BK (Black)	23-1/4 × 23-1/4 × 1"	0.85	35	BEST	170	Class A	N/A	•	•	•	•	•	•	•
	2897	23-1/4 × 47-1/4 × 1"	0.85	35	BEST (i))	170	Class A	0.85	•	•	•	•		٠	•
	2897BK (Black)	23-1/4 × 47-1/4 × 1"	0.85	35	BEST (III)	170	Class A	N/A	•	•	•	•		٠	•
DUNE® for DynaMax®	4270	23-1/4 × 23-1/4 × 5/8"	0.50	35	N/A	N/A	Class A	0.81	٠	•	•		٠	·	•
Square Lay-in	4271	23-1/4 × 47-1/4 × 5/8"	0.50	35	N/A	N/A	Class A	0.81	٠	•	•	•			•
ULTIMA® for DynaMax®	1807	23-1/4 × 23-1/4 × 3/4"	0.75	35	BETTER	170	Class A	0.88	•	•		•	٠	٠	٠
Square Lay-in	1808	23-1/4 × 47-1/4 × 3/4"	0.75	35	BETTER	170	Class A	0.88	•	•	•	•		٠	•
ULTIMA® AirAssure™ for DynaMax®	1599	23-1/4 × 23-1/4 × 3/4"	0.75	35	BETTER (III)	N/A	Class A	0.88		•	٠	•	٠	•	•
Square Lay-in	1638	23-1/4 × 47-1/4 × 3/4"	0.75	35	BETTER (III)	N/A	Class A	0.88	•	•	٠	٠	٠	•	•
OPTIMA® PB for DynaMax® Square Lay-in	3210PB	47-5/16 × 47-5/16 × 1"	0.95	N/A	N/A	190	Class A	0.88	٠	•	٠	•	٠	٠	•

NOTE: These panels are specially sized and engineered for the DynaMax and DynaMax® Plus suspension systems and must be used with the systems. These panels do not fit in other suspension systems.

Factory gasketing is available upon request.

¹ Total Acoustics® ceiling panels have an ideal combination of noise reduction and sound-blocking performance in one product.

MetalWorks™ Lay-in for DynaMax®

VISUAL SELECTION

PERFORMANCE SELECTION Dots represent high level of performance

Edge Profile	Perforati	on	Item No.	Dimensions (Inches)	Sound Absorption	(with infiling panel) Sound Absorption*	Fire Performance	Light Reflect	Mold & Mold Wildew Mildew Protection	Certified Low VOC Emissions	Durability	Recycled Content
METALWORKS for DynaMax®	м	hen	6345W24L48M1WHA	23" × 47"	N/A	N/A	Class A	0.75	•	•	•	
Square Lay-in	M1 (Unpe	rforated)										
		hew	6345W48L48M1WHA	47" × 47"	N/A	N/A	Class A	0.75	•	·	•	٠
	M19	hew	6345W24L48M19WHA	23" × 47"	0.70	0.85	Class A	0.75	•	·	•	٠
		new new	6345W48L48M19WHA	47" × 47"	0.70	0.85	Class A	0.75	٠	·	•	٠

NOTE: Ceiling panels are specially sized and engineered for the DynaMax and DynaMax* Plus suspension systems and must be used with the systems. These panels do not fit in other suspension systems.

* NRC achieved with acoustical infill (Item 8200T10).

COLORS Due to printing limitations, shade may vary from actual product.

Painted



Whitelume (WHA)

For custom options contact ASQuote, ASQuote@armstrongceilings.com

PERFORATION OPTIONS

(1:2 SCALE SHOWN)





(Unperforated)

M19 (Microperforated)

ACCESSORIES FOR METALWORKS LAY-IN CEILING PANELS

6483 – MetalWorks Lay-In Perimeter Hold-down Clip for DynaMax – Screw attaches to perimeter molding to hold the perimeter cut metalworks panels in place. 2 clips required per cup panel.

6483 - 10 PCS

8200T10 - 1" Fiberglass Infill Bag -24 × 24 × 1" Color – Black (gloss)

8200T10 - 12 PCS

PHYSICAL DATA FOR METALWORKS LAY-IN **CEILING PANELS**

Design ConsiderationsMetalWorks panels and DynaMax grid are manufactured at separate facilities that use different paint systems.
Colors i.e. White and Whitelume will coordinate but are not exact color matches.

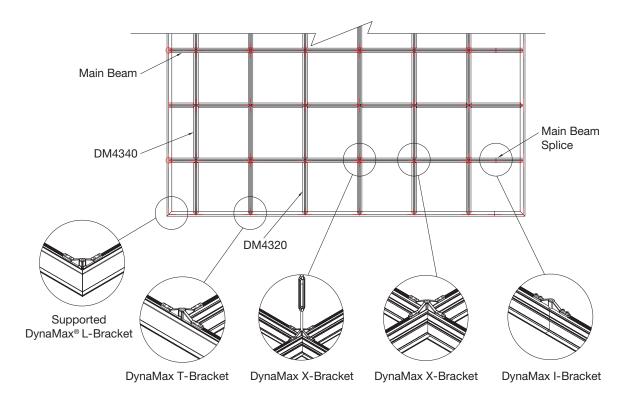
Material

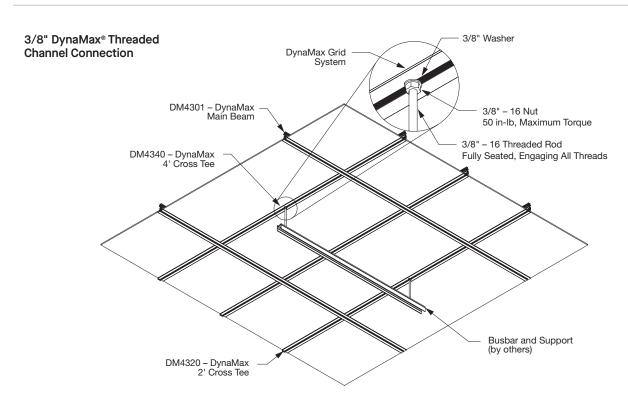
All MetalWorks panels: Aluminum – 0.064"

One (1) year limited warranty for MetalWorks items. Details at armstrongceilings.com/warranty.

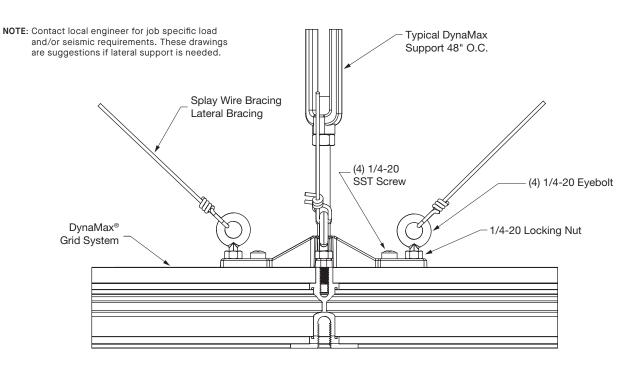
Installation & Layout Overview

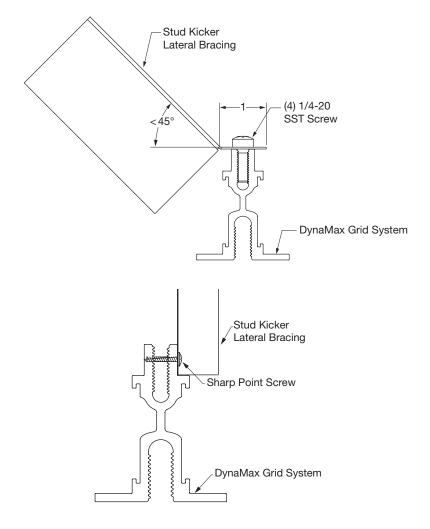
Installation





Seismic Considerations





Design Guide

Section Properties

Find the full installation instructions HERE.

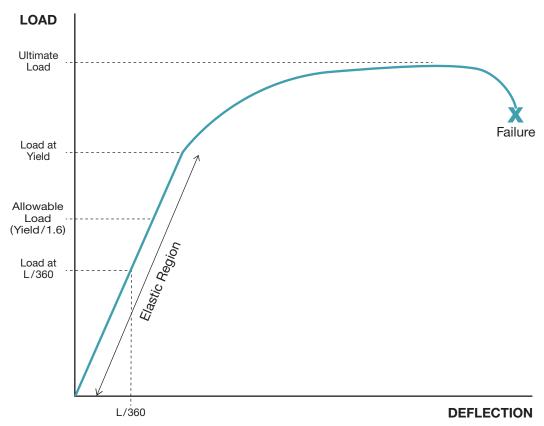
DynaMax® Section Properties

Area	Weight	Yield Strength	Modulus of Elasticity	Moment of Inertia	Radius of Gyration	Moment of Inertia	Radius of Gyration	Section Modulus	Maximum Bending Moment
Ab	Wb	Fy	Е	lx	Rx	ly	Ry	Scx	[M]
(in2)	(lbs/ft)	(ksi)	(lbs/in2)	(in4)	(in)	(in4)	(in)	(in3)	(ft-lb)
0.950	1.117	21.0	1.00E+07	0.5545	0.7641	0.1193	0.3544	0.3986	698

General Notes:

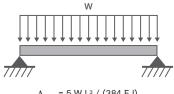
- 1 The data contained in this technical guide is intended to be used as a general guideline only and does not replace the design of a qualified engineer.
- 2 The load tables in this technical guide are calculated conservatively as single span (simple) beams supported at the ends.
- 3 The 'Load at Yield' is calculated as the maximum bending moment for each loading condition. The 'Allowable Load' is calculated by dividing the maximum bending moment by a safety factor of 1.67.
- 4 It is recommended that the DynaMax system is designed to limit the deflection of loaded members to 1/360 of the span.
- 5 Load supported by DynaMax support brackets must not exceed the allowable load of 900 lbs.

Load vs. Deflection Plot



Load Data

DynaMax® Structural Aluminum Suspension System supports up to a 900 lb. single point load rating using 3/8" threaded rod at 4' × 4' connection points assuming loads applied under threaded rod support brackets. For even greater load-carrying capability, consider DynaMax® Plus Structural Grid System—a structural solution that can suspend mid-span loads of up to 1,090 lbs. at L/360 (up to 1,750 lbs. for static point loads).

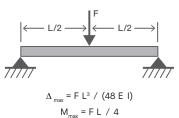


$$\Delta_{max} = 5 \text{ W L}^3 / (384 \text{ E I})$$

 $M_{max} = \text{W L}^2 / 8$

	Uniform Load, W (lb/ft)									
Span	Load at	Deflection	n Limit	Allowable	Load at					
(in)	L/180	L/240	L/360	Load	Yield					
24	_	_	_	832	1390					
36	_	_	300	371	620					
48	_	_	120	204	340					
60	130	90	60	132	220					
72	70	50	30	90	150					
84	40	30	20	66	110					
96	30	20	10	48	80					

Main Beam		Uniform Area Load (lb/sq ft)							
Spacing (ft)	Span (in)			L/360	Allowable Load				
	48	_	_	60.0	101.7				
	60	65.0	45.0	30.0	65.8				
2	72	35.0	25.0	15.0	44.9				
	84	20.0	15.0	10.0	32.9				
	96	15.0	10.0	5.0	23.9				
	48	_	_	30.0	50.8				
	60	32.5	22.5	15.0	32.9				
4	72	17.5	12.5	7.5	22.4				
	84	10.0	7.5	5.0	16.4				
	96	7.5	5.0	2.5	11.9				



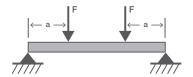
	Illax										
	Mid-Span Point Load, F (lb)										
Span	Loading	at Deflect	Allowable	Load at							
(in)	L/180	L/240	L/360	Load	Yield						
24	_	_	_	832	1390						
36	_	_	_	557	930						
48	_	_	320	413	690						
60	_	300	200	329	550						
72	_	210	140	275	460						
84	200	150	100	234	390						
96	160	120	80	204	340						

Main Beam			Uniform Area Load (lb/sq ft)						
Spacing (ft)	Span (in)	Area (sq ft)	L/180	L/240	L/360	Allowable Load			
	48	8	_	_	40.0	51.6			
	60	10	_	30.0	20.0	32.9			
2	72	12	_	17.5	11.6	22.9			
	84	14	14.2	10.7	7.1	16.6			
	96	16	10.0	7.5	5.0	12.7			
	48	16	_	_	20.0	25.8			
	60	20	_	15.0	10.0	16.4			
4	72	24	_	8.7	5.8	11.4			
	84	28	7.1	5.3	3.5	8.3			
	96	32	5.0	3.7	2.5	6.3			

Design Guide

Load Data

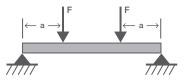
LOAD DATA



$$\Delta_{max}$$
 = (F a / (24 E I)) · (3 L² - 4 a²)
 M_{max} = F a

		Dual Point Load at 1/4 Points, F (lb)					
Span	Point Loading Location.	Loadir	ng at Defl Limit	ection	Allowable	Load at	
(in)	a (in)	L/180	L/240	L/360	Load	Yield	
24	6	-	_	_	832	1390	
36	9	_	_	410	557	930	
48	12	_	350	230	413	690	
60	15	290	220	140	329	550	
72	18	200	150	100	275	460	
84	21	150	110	70	234	390	
96	24	110	80	50	204	340	

Main Beam			form Area	orm Area Load, (lb/sq ft)				
Spacing (ft)	Span (in)	Area (sq ft)	L/180	L/240	L/360	Allowable Load		
	48	8	_	87.4	57.4	103.2		
	60	10	58.0	44.0	28.0	65.8		
2	72	12	44.0	25.0	16.6	45.8		
	84	14	25.0	15.6	10.0	33.2		
	96	16	21.4	10.0	6.2	25.4		
	48	16	_	43.6	28.6	51.6		
	60	20	29.0	22.0	14.0	32.8		
4	72	24	16.6	12.4	8.2	22.8		
	84	28	10.6	7.8	5.0	16.6		
	96	32	6.8	5.0	3.0	12.6		

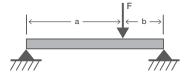


$$\Delta_{max}$$
 = (F a / (24 E I)) · (3 L² - 4 a²)
 M_{max} = F a

		Dual Point Load at 1/8 Points, F (lb)						
Span	Point Loading Location.	Loadir	ng at Defl Limit	Allowable	Load at			
(in)	a (in)	L/180	L/240	L/360	Load	Yield		
24	3	-	_	_	900	2790		
36	4.5	_	_	770	900	1860		
48	6	_	650	430	832	1390		
60	7.5	550	410	270	665	1110		
72	9	380	290	190	557	930		
84	10.5	280	210	140	473	790		
96	12	210	160	100	413	690		

Main Beam			Uniform Area Load, (lb/sq ft)					
Spacing (ft)	Span (in)	Area (sq ft)	L/180	L/240	L/360	Allowable Load		
	48	8	_	162.4	107.4	208.0		
	60	10	110.0	82.0	54.0	132.8		
2	72	12	63.2	48.2	31.6	92.8		
	84	14	40.0	30.0	20.0	67.4		
	96	16	26.2	20.0	12.4	51.6		
	48	16	_	81.2	53.6	104.0		
	60	20	55.0	41.0	27.0	66.4		
4	72	24	31.6	24.0	15.8	46.4		
	84	28	20.0	15.0	10.0	33.6		
	96	32	13.0	10.0	6.2	25.8		

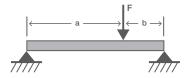
Load Data



 $\Delta_{\text{max}} = (F b (L^2 - b^2)^{(3/2)}) / (9 \cdot 3^{(1/3)} L E I)$ $M_{\text{max}} = F a b / L$

	Point	Point Load within 3" of Support, F (lb)					
Span	Loading		at Deflect	Allowable	Load at		
(in)		L/180	L/240	L/360	Load	Yield	
24	3	_	_	_	900	3180	
36	3	_	_	_	900	3040	
48	3	_	_	_	900	2970	
60	3	_	_	_	900	2930	
72	3	_	_	_	900	2910	
84	3	_	_	_	900	2890	
96	3	_	_	830	900	2880	

Main			Uniform Area Load, (lb/sq ft)					
Beam Spacing (ft)	Span (in)	Area (sq ft)	L/180	L/240	L/360	Allowable Load		
	48	8	_	_	_	112.5		
	60	10	_	_	_	90.0		
2	72	12	_	_	_	75.0		
	84	14	_	_	_	64.2		
	96	16	_	_	51.8	56.2		
	48	16	_	_	_	56.2		
	60	20	_	_	_	45.0		
4	72	24	_	_	_	37.5		
	84	28	_	_	_	32.1		
	96	32	_	_	25.9	28.1		



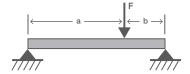
$$\Delta_{\text{max}}$$
 = (F b (L² - b²)(3/2)) / (9 · 3(1/3) L E I)
 M_{max} = F a b / L

	Point	Point Load within 6" of Support, F (lb)					
	Loading Location.	Loading	Loading at Deflection Limit			Load at	
Span (in)	,	L/180	L/240	L/360	Allowable Load	Yield	
24	6	_	_	_	900	1860	
36	6	_	_	_	900	1670	
48	6	_	_	850	900	1590	
60	6	_	_	670	900	1550	
72	6	_	840	560	900	1520	
84	6	_	720	480	900	1500	
96	6	830	620	410	900	1480	

Main			Uniform Area Load, (lb/sq ft)				
Beam Spacing (ft)	Span (in)	Area (sq ft)	L/180	L/240	L/360	Allowable Load	
	48	8	_	_	106.2	112.5	
	60	10	_	_	67.0	90.0	
2	72	12	_	70.0	46.6	75.0	
	84	14	_	51.4	34.2	64.1	
	96	16	51.8	38.7	25.6	55.3	
	48	16	_	_	53.1	56.2	
	60	20	_	_	3.5	45.0	
4	72	24	_	35.0	23.3	37.5	
	84	28	_	25.7	17.1	32.0	
	96	32	25.9	19.3	12.8	27.6	

Design Guide

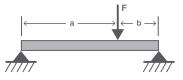
Load Data



 Δ_{max} = (F b (L² - b²)(3/2)) / (9 · 3(1/3) L E I) M_{max} = F a b / L

	Point	Point Load within 12" of Support, F (lb)					
	Loading Location.	Loading at Deflection Limit			Allowable	Load at	
Span (in)	b (in)	L/180	L/240	L/360	Load	Yield	
24	12	_	_	_	832	1390	
36	12	_	_	_	623	1040	
48	12	_	_	450	557	930	
60	12	_	_	350	521	870	
72	12	_	430	280	497	830	
84	12	_	360	240	485	810	
96	12	420	320	210	473	790	

Main			Uniform Area Load, (lb/sq ft)				
Beam Spacing (ft)	Span (in)	Area (sq ft)	L/180	L/240	L/360	Allowable Load	
	48	8	_	_	56.2	69.6	
	60	10	_	_	35.0	52.0	
2	72	12	_	35.8	23.3	41.4	
	84	14	_	25.7	17.1	34.6	
	96	16	26.2	20.0	13.1	29.5	
	48	16	_	_	28.1	34.8	
	60	20	_	_	17.5	26.0	
4	72	24	_	17.9	11.6	20.7	
	84	28	_	12.8	8.5	17.3	
	96	32	13.1	10.0	6.5	14.7	



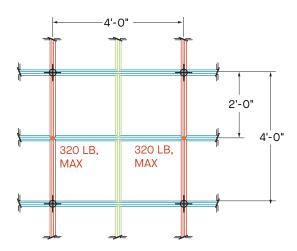
 Δ_{max} = (F b (L² - b²)(3/2)) / (9 · 3(1/3) L E I) M_{max} = F a b / L

	Point	Point Load within 18" of Support, F (lb)					
	Loading Location.	Loading at Deflection Limit			Allowable	Load at	
Span (in)	,	L/180	L/240	L/360	Load	Yield	
24	18	_	_	_	_	_	
36	18	_	_	_	557	930	
48	18	_	_	340	443	740	
60	18	_	380	250	395	660	
72	18	_	300	200	371	620	
84	18	340	250	170	353	590	
96	18	290	210	140	341	570	

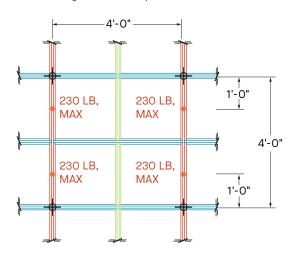
Main			Uniform Area Load, (lb/sq ft)				
Beam Spacing (ft)	Span (in)	Area (sq ft)	L/180	L/240	L/360	Allowable Load	
	48	8	_	_	42.5	55.3	
	60	10	_	38.0	25.0	39.5	
2	72	12	_	25.0	16.6	30.9	
	84	14	24.2	17.8	12.1	25.2	
	96	16	18.1	13.1	8.7	21.3	
	48	16	_	_	21.2	27.6	
	60	20	_	19.0	12.5	19.7	
4	72	24	_	12.5	8.3	15.4	
	84	28	12.1	8.9	6.0	12.6	
	96	32	9.0	6.5	4.3	10.6	

Loading Condition Examples

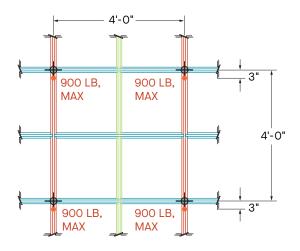
NOTE: Loading condition examples are shown with L/360 deflection.



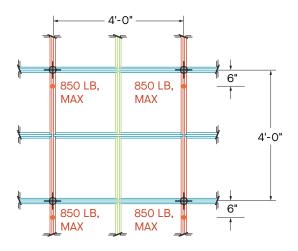
4' × 4' Support Spacing Main Beam Mid-Span Loading



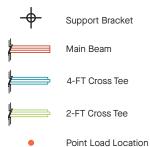
4' × 4' Support Spacing Main Beam Dual Point Loads at 1/4 Points



4' × 4' Support Spacing Main Beam Point Load within 3" of Support



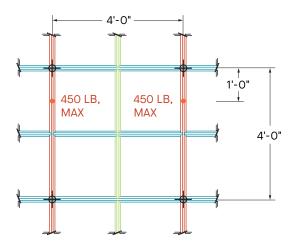
4' × 4' Support Spacing Main Beam Point Load within 6" of Support



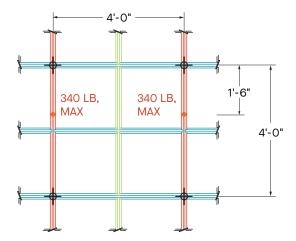
Design Guide

Loading Condition Examples

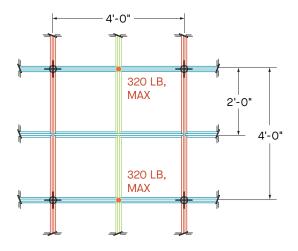
NOTE: Loading condition examples are shown with L/360 deflection



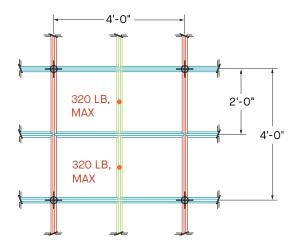
4' × 4' Support Spacing Main Beam Point Load within 12" of Support



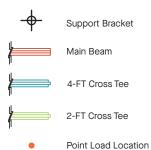
4' × 4' Support Spacing Main Beam Point Load within 18" of Support



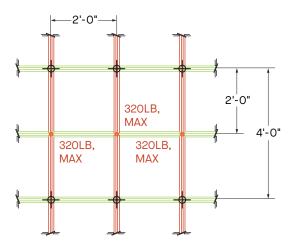
4' × 4' Support Spacing 4' Cross Tee Mid-Span Loading



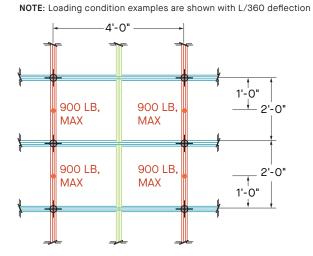
4' × 4' Support Spacing 2' Cross Tee Mid-Span Loading



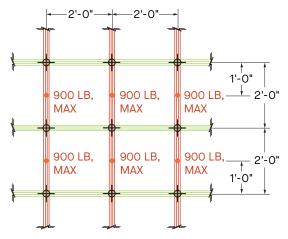
Loading Condition Examples



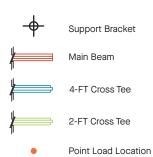
4' × 2' Support Spacing Main Beam Mid-Span Loading



2' × 4' Support Spacing Main Beam Mid-Span Loading



2' × 2' Support Spacing Main Beam Mid-Span Loading



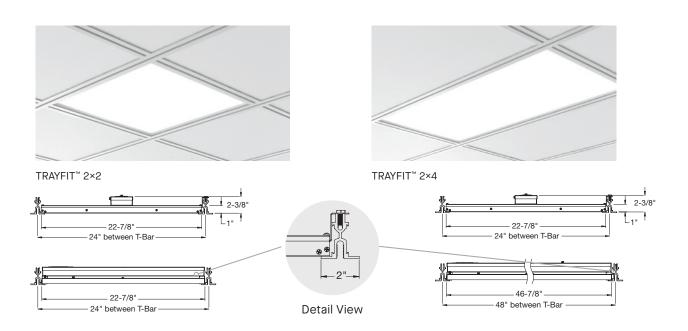
Partner Solutions for DynaMax®

Integrated Lighting Partners

Lighting and diffuser solutions are available through partner companies.



For compatible lighting details, visit axislighting.com

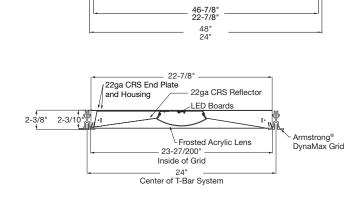




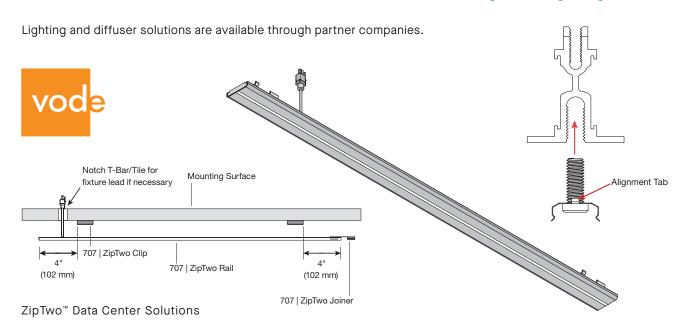
For compatible lighting details, visit hew.com/products/PTDC



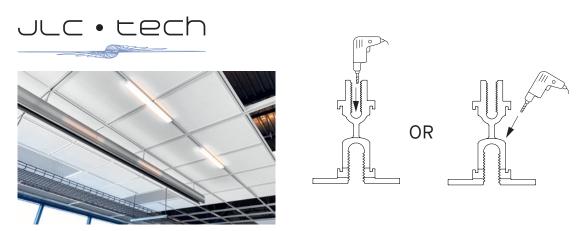
PTDC - Shallow Plenum LED Troffer for DynaMax System



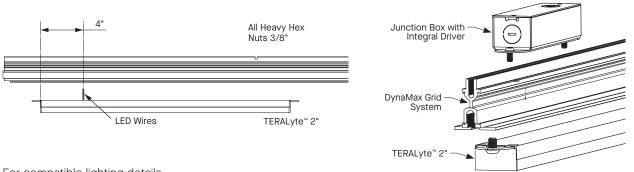
Integrated Lighting Partners



For compatible lighting details, visit vode.com/dynamax



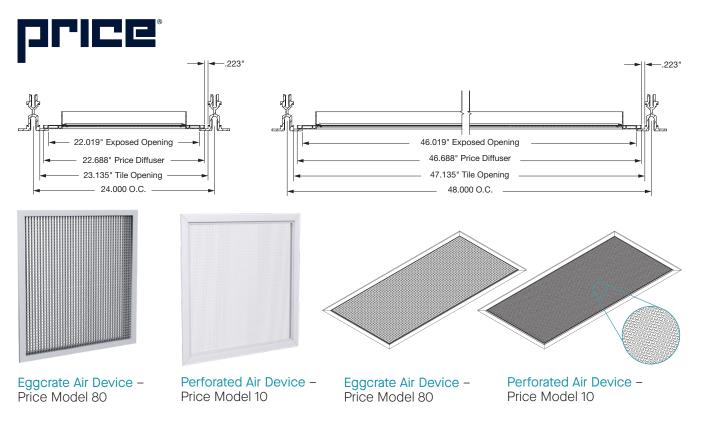
TERALyte™ 2" for the DynaMax® grid system.



For compatible lighting details, visit jlc-tech.com

Partner Solutions for DynaMax®

Integrated MEP Partners



For compatible diffuser details, visit priceindustries.com/diffusers

Air Containment Partner

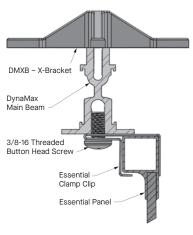


The Subzero Engineering and Armstrong World Industries partnership is the latest development in the portfolio expansion of data center products and services, seamlessly combining structural ceiling solutions with high performing and energy efficient air containment systems.

The Subzero Essential Clamp Clip (shown right) was designed specifically for integrating Subzero Essential Series Wall Panels with DynaMax main beams. This provides easier attachment and improved installation efficiency.

For more data center containment details, visit subzeroeng.com





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