

ETA Bridge Information



UNIFIED INDUSTRIES, INC.

Howell, Michigan

When quoting bridges select the 1/450 deflection to determine weight capacity unless another deflection specified.

Overhangs greater than 12" require the factory to verify configuration/weight capacities

Overhangs greater than 12" require End trucks with K/U trolleys (applies to ETA-8 profile only)

Calculate the stack height (Fig. 1) to make sure there are no obstructions

If bridge has a hoist or balancer and can support the rated load of either, then the Rated Load of the bridge must be the Rated capacity of the hoist or balancer.

If using a hoist or balancer on a dual bridge consult factory for proper mounting.

Dual bridges with Dual ETA-8 End Trucks must be at least 24" Center to Center

lbs./ft.	Rail Weights
3.73	ETA-4
6.24	ETA-4 Channel Cap
4.67	ETA-5
7.18	ETA-5 Channel Cap
8.16	ETA-8
11.79	ETA-8 Channel Cap
12.32	ETA-8 I Beam Cap

How to calculate **weight on bridge** and **weight on end truck**:

Example:

Desired Rated Load = 900lbs

Bridge Type = Single Girder ETA-8

Bridge Span = 15ft. (Total Length = 17ft.)

End Trucks = 22041 Single E/T (Qty. 2)

Trolley = 20011 Short Body (Qty. 2)

Weight on Bridge:

Test: 15' Bridge Span Capacity = 1,571lbs.

= Component Weight + Rated Load

Component Weight = 13lbs. Trolleys (2 x 6.5lbs.)

+ Rated Load = 900LBS.

Total Weight on Bridge = 913lbs.

Component weight = All items that hang in channel or below the bridge and will cause the bridge to deflect: Balancers/Hoists/Trolleys/Air Tractors/ Mid stops...etc.

Weight on End Truck:

Test: End Truck Capacity = 1,000 lbs.

= Weight on Bridge + Bridge Weight

Bridge rail weight = 17' x 8.16lbs. = 138.72 lbs.

End Truck receives 1/2 of Total Weight = 72.36

+ End Stops = 2 x 3lbs. = 6lbs

+ Weight on Bridge = 913 lbs.

Total Weight on End Truck = 985 lbs.

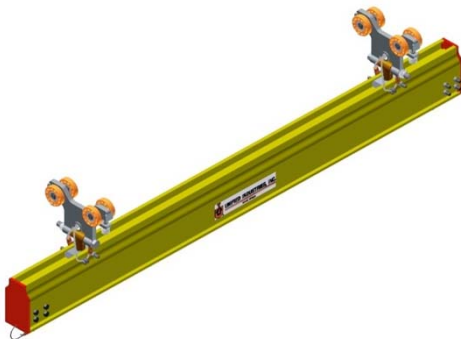
Bridge Weight =

Rail Weight+End Stops

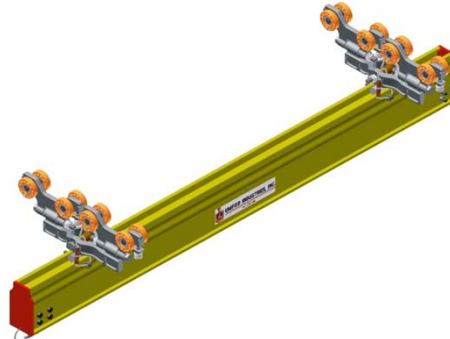
& Festooning Items above bridge

Examples of common bridge configurations:

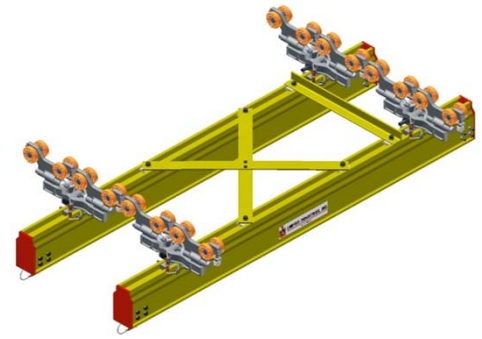
Single Girder Bridge with Single End trucks



Single Girder Bridge with Dual End trucks



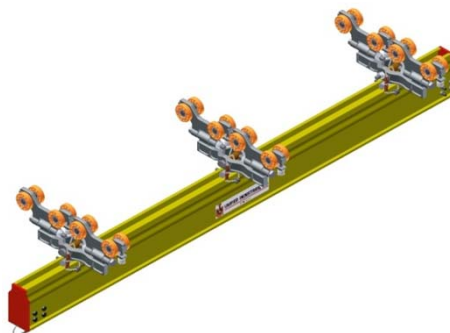
Dual Girder Bridge with Dual End trucks



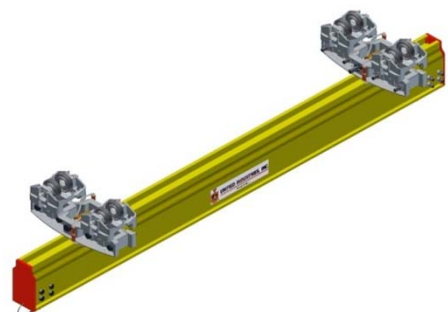
Single Girder Bridge with Low Headroom End Trucks



Tri-Bridge with Dual End Trucks



Single Girder Bridge with Steel End trucks



ETA Bridge System Worksheet



UNIFIED INDUSTRIES, INC.

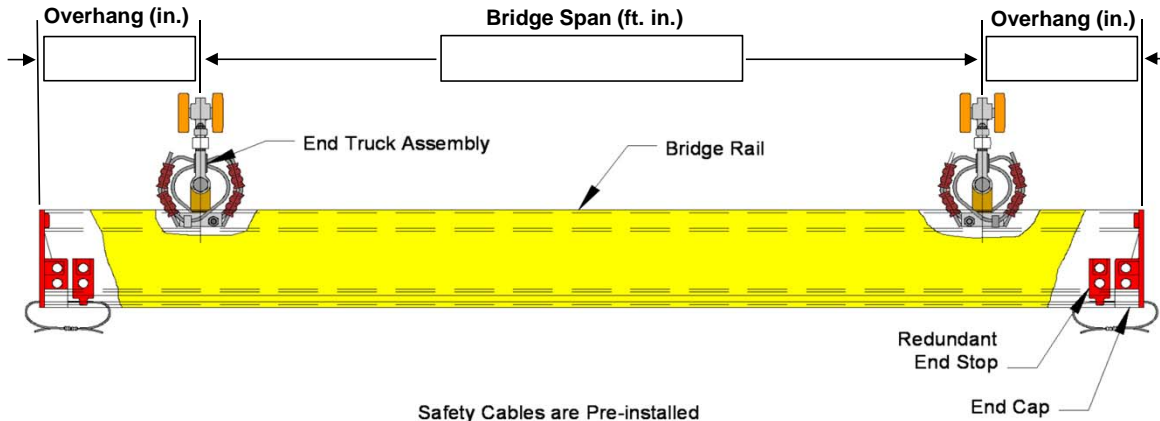
Howell, Michigan

Customer: _____

End User: _____

Contact Name: _____

Station Name: _____



Bridge Rail Type:

Bridge Configuration

Desired Rated Load (lbs.)

ETA-4

Single Girder

Tri-Bridge

ETA-4 Channel Cap

Double Girder

ETA-5

CTC - 18"

Bridge Color

ETA-5 Channel Cap

CTC - 24"

ETA-8

CTC - 30"

ETA-8 Channel Cap

CTC - 36"

ETA-8 I Beam Cap

CTC - 48"

Will there be a hoist?
 No Hoist
 500 lb. 1,000 lb. 2,000 lb.

Runway Type

ETA-4 3.25" Patent S6 x 12.5
 ETA-5 S4 x 7.7
 ETA-8 Other: _____

Select End Truck

Single End Trucks

Rigid End Trucks

Steel End Trucks

- 22039 - Single E/T ETA-4 to ETA-8 -1000 lb.
- 22041 - Single E/T ETA-5/8 to ETA-8 -1000 lb.
- 22046 - Single E/T w/KU ETA-5/8 to ETA-8 -1000 lb.
- 22047 - Single E/T w/KU ETA-4 to ETA-8 -1000 lb.
- 22519 - Single E/T ETA-8 to run on ETA-4/5 -500 lb.
- 22521 - Single E/T ETA-4/5 to run on ETA-4/5 -500 lb.
- 22600 - ETA-4/5 Articulating Low Headroom E/T -1000 lb.
- 22605 - ETA-4/5 Rigid Low Headroom E/T -1000 lb.
- 22620 - ETA-8 Articulating Low Headroom E/T -2000 lb.
- 22625 - ETA-8 Rigid Low Headroom E/T -2000 lb.

- 22546 - ETA-4/5 1'-6" W/B for 2'-5' Spans -1000 lb.
- 22547 - ETA-4/5 2'-0" W/B for 6'-9' Spans -1000 lb.
- 22548 - ETA-4/5 2'-6" W/B for 10'-13' Spans -1000 lb.
- 22549 - ETA-4/5 3'-0" W/B for 14'-17' Spans -1000 lb.
- 22550 - ETA-4/5 3'-6" W/B for 18'-20' Spans -1000 lb.
- 22221 - ETA-8 1'-6" W/B for 3'-6' Spans -2000 lb.
- 22222 - ETA-8 2'-0" W/B for 7'-10' Spans -2000 lb.
- 22223 - ETA-8 2'-6" W/B for 11'-14' Spans -2000 lb.
- 22224 - ETA-8 3'-0" W/B for 15'-18' Spans -2000 lb.
- 22225 - ETA-8 3'-6" W/B for 19'-21' Spans -2000 lb.
- 22226 - ETA-8 4'-0" W/B for 22'-25' Spans -2000 lb.
- 22227 - ETA-8 K/U 1'-6" W/B for 3'-6' Spans -2000 lb.
- 22228 - ETA-8 K/U 2'-0" W/B for 7'-10' Spans -2000 lb.
- 22229 - ETA-8 K/U 2'-6" W/B for 11'-14' Spans -2000 lb.
- 22230 - ETA-8 K/U 3'-0" W/B for 15'-18' Spans -2000 lb.
- 22231 - ETA-8 K/U 3'-6" W/B for 19'-21' Spans -2000 lb.
- 22232 - ETA-8 K/U 4'-0" W/B for 22'-25' Spans -2000 lb.

- 22199 - ETA-8 MBC-500-3-325 ET W/O K.U. -1000 lb.
- 22200 - ETA-8 MBC-500-3-333 ET W/O K.U. -1000 lb.
- 22201 - ETA-8 MBC-500-3-4-266 ET W/O K.U. -1000 lb.
- 22208 - ETA-8 MBC-500-3-325 ET ASY -1000 lb.
- 22210 - ETA-8 MBC-500-3-333 ET ASY -1000 lb.
- 22212 - ETA-8 MBC-500-3-4-266 ET ASY -1000 lb.
- 22214 - ETA-8 MBC1000-3-325 ET W/O K.U. -2000 lb.
- 22216 - ETA-8 MBC-1000-3-333 ET W/O KU -2000 lb.
- 22218 - ETA-8 MBC1000-3-325 END TRK -2000 lb.
- 22220 - ETA-8 MBC1000-3-333 END TRK -2000 lb.
- 22557 - ETA-4/5 MBC-500-3-325 for 3.25 PAT -1000 lb.
- 22558 - ETA-4/5 MBC-500-3-333 ET for S6x12.5 -1000 lb.
- 22559 - ETA-4/5 MBC-500-3-4-266 ET for S4x7.7 -1000 lb.
- 22574 - ETA-4/5 MBC-500-3-325 ET W/KU for 3.25 PAT -1000 lb.
- 22575 - ETA-4/5 MBC-500-3-333 ET W/KU for S6x12.5 -1000 lb.
- 22576 - ETA-4/5 MBC-500-3-4-266 ET W/KU for S4x7.7 -1000 lb.

Dual End Trucks

- 22051 - Dual E/T ETA-8 to ETA-8 -2000 lb.
- 22052 - Dual Rigid E/T for Dual Girder ETA-8 -2000 lb.
- 22068 - Dual Rigid E/T w/KU for Dual Girder ETA-8 -2000 lb.
- 22131 - Dual E/T w/kickup ETA-8 to ETA-8 -2000 lb.
- 22528 - Dual E/T ETA-8 to run on ETA-4/5 -1000 lb.
- 22540 - Dual E/T ETA-4/5 to run on ETA-4/5 -1000 lb.

Select Trolleys (enter qty)

ETA-4/5 Load

- 20100 - ETA-4/5 Short Body Load -500 lb.
- 20110 - ETA-4/5 Long Body Load -500 lb.
- 20115 - ETA-4/5 Three Hole Mount Load -500 lb.
- 20116 - ETA-4/5 6" Balancer -500 lb.
- 20117 - ETA-4/5 10" Balancer -500 lb.
- 20125 - ETA-4/5 Pin Mount -500 lb.
- 20130 - ETA-4/5 Single Hoist -500 lb.
- 20140 - ETA-4/5 Saddle Load -500 lb.

ETA-4/5 Bumper

- 20190 - ETA-4/5 1' 0" Bumper -100 lb.
- 20191 - ETA-4/5 2' 0" Bumper -100 lb.
- 20192 - ETA-4/5 3' 0" Bumper -100 lb.
- 20193 - ETA-4/5 4' 0" Bumper -100 lb.
- 20194 - ETA-4/5 5' 0" Bumper -100 lb.

ETA-4/5 Festoon

- 20150 - ETA-4/5 Fest. -100 lb.
- 20155 - ETA-4/5 Fest. w/Small Saddle -100 lb.
- 20160 - ETA-4/5 Fest. w/Large Saddle -100 lb.
- 20165 - ETA-4/5 Fest. w/Flatwire Saddle -100 lb.
- 20170 - ETA-4/5 Fest. w/Large Sling -100 lb.
- 20175 - ETA-4/5 Fest. w/Small Sling -100 lb.
- 20180 - ETA-4/5 Fest. w/UII Saddle -100 lb.
- 20185 - 12" Cable Saddle w/ ETA-4/5 -100 lb.
- 78260 - ETA-4/5 Festoon Slider -100 lb.

ETA-8 Load

- 20011 - ETA-8 Short Body Load -1000 lb.
- 20019 - ETA-8 Long Body Load -1000 lb.
- 20022 - ETA-8 6" Balancer -1000 lb.
- 20023 - ETA-8 10" Balancer -1000 lb.
- 20024 - ETA-8 Three Hole Mount Load -1000 lb.
- 20040 - ETA-8 Single Hoist -1000 lb.
- 20041 - ETA-8 Single Carriage -1000 lb.
- 20052 - ETA-8 Saddle Load -1000 lb.
- 20066 - ETA-8 6" Balancer w/KU -1000 lb.
- 20067 - ETA-8 10" Balancer w/KU -1000 lb.
- 20068 - ETA-8 Short Body Load w/KU -1000 lb.
- 20069 - ETA-8 Long Body Load w/KU -1000 lb.
- 20070 - ETA-8 Pin Load -1000 lb.
- 20071 - ETA-8 Three Hole Mount w/KU -1000 lb.
- 25120 - ETA-8 Dual Hoist Trolley -2000 lb.
- 25125 - ETA-8 Dual Hoist Trolley w/KU -2000 lb.
- 25330 - ETA-4/5 Dual Hoist Trolley -1000 lb.

ETA-8 Bumper

- 20080 - ETA-8 1' 0" Bumper -100 lb.
- 20081 - ETA-8 2' 0" Bumper -100 lb.
- 20082 - ETA-8 3' 0" Bumper -100 lb.
- 20083 - ETA-8 4' 0" Bumper -100 lb.
- 20084 - ETA-8 5' 0" Bumper -100 lb.

ETA-8 Festoon

- 20090 - ETA-8 Festoon -100 lb.
- 20091 - ETA-8 Festoon w/Small Saddle -100 lb.
- 20092 - ETA-8 Festoon w/Large Saddle -100 lb.
- 20093 - ETA-8 Festoon w/Flatwire Saddle -100 lb.
- 20094 - ETA-8 Festoon w/Large Sling -100 lb.
- 20095 - ETA-8 Festoon w/Small Sling -100 lb.
- 20096 - ETA-8 Festoon w/UII Saddle -100 lb.
- 20097 - 12" Cable Saddle w/ ETA-8 -1000 lb.
- 78270 - ETA-8 Festoon Slider -100 lb.

Notes:

Bridge Additional Options:

Mid Stops (Enter Qty.)

- 25179 - ETA-8 Pos. Stop Shock Absorber
- 25185 - ETA-4/5 Pos. Stop Shock Absorber
- 25570 - ETA-8 Mid Stop
- 25575 - ETA-4/5 Insertable Mid Stop
- 25576 - ETA-8 Insertable Mid Stop
- 25580 - ETA-4/5 Mid Stop

Bridge Air Tractor (Enter Qty.)

- 2 Button Pendant Fwd/Rev
- SMC Control Pack Only
- Base Unit No Controls
- 4 Button Control Pendant
- Tractor Tow Hitch

Air Balancer (Enter Qty.)

- UAB-132-079 - 132 LB 2-Button Up/Dn
- UAB-220-118 - 220 LB 2-Button Up/Dn
- UAB-331-079 - 331 LB 2-Button Up/Dn
- UAB-485-079 - 485 LB 2-Button Up/Dn
- UBB-132-079 - 132 LB Basic Air Balancer
- UBB-220-118 - 220 LB Basic Air Balancer
- UBB-331-079 - 331 LB Basic Air Balancer
- UBB-485-079 - 485 LB Basic Air Balancer
- UZB-132-079 - 132 LB Zero-G Air Balancer
- UZB-220-118 - 220 LB Zero-G Air Balancer
- UZB-331-079 - 331 LB Zero-G Air Balancer
- UZB-485-079 - 485 LB Zero-G Air Balancer
- Suspension Kit Up/Dn Manifold
- Top Hook Assembly Up/Dn Pendant w/Hose

Festooning (Enter Qty.)

- 1/2" Bridge Festoon Kit Ft. required _____
- 3/4" Bridge Festoon Kit Ft. required _____
- Electric Festooning Kit Ft. required _____
- 25670 - Limit/Over Travel Switch Brk.
- 25675 - Limit Switch Trip Arm Brkt Assy
- 25677 - Over Travel Switch Assy
- 1/2" FR _____ Parker / SMC
- 3/4" FR _____ Parker / SMC
- 1/2" FRL _____ Parker / SMC
- 3/4" FRL _____ Parker / SMC
- 1/2" Manual Lockout _____ Parker / SMC
- 3/4" Manual Lockout _____ Parker / SMC
- 3' Whip Hose _____ 1/2" _____ 3/4"
- 78278 - 6' Safety Cable

ETA Runway Information



Below is a guide on how to help calculate the type of runway needed, length and number hangers required.

NOTE: Rigid mount hanger only works on header steel that is perpendicular to the runway
 Inspection gates only work on end trucks without kickup (applies to ETA-8 only)
 We recommended to use (1) festoon trolley per 6ft travel (Based on 36" Loop Depth)

Common Runway Lengths and Hang Spans

Total Runway Length*	Hanger Span	Min.# of Hangers
10	8	2
12	10	2
14	12	2
18	8	3
22	10	3
26	8	4
26	12	3
27	12.5	3
32	10	4
34	8	5
38	12	4
40	12.5	4
42	8	6
42	10	5
50	8	7
50	12	5
52	10	6
52	12.5	5
58	8	8
62	10	7
62	12	6
64	12.5	6
66	8	9
72	10	8
74	8	10
74	12	7
77	12.5	7
82	8	11
82	10	9
86	12	8
90	12.5	8
90	8	12
92	10	10
98	8	13
98	12	9
102	10	11
102	12.5	9

* Total Runway Length includes 1' standard overhangs

How to calculate **weight on runway** and **weight on hanger**:

Weight on Runway:

Test: Runway Capacity = 3,536 lbs. (See Fig.A)
 = Weight on End Truck + Weight of End Trucks on 1 side of bridge
 + Festoon Trolleys, Air Tractors, Hoses/Wires hanging from or riding in runway.

Weight on End Truck = 985lbs.
 + (1) 22041 End Truck = 12 lbs.
 + (1) Air Tractor = 30 lbs.

Total Weight on Runway = 1,027 lbs.

Weight on Hanger:

Test: Hanger Capacity = 3,000 lbs.
 = Weight on Runway + Weight of Runway Rail
 + Inspection gates, Festoon Kits, (1) splice, End stops, midstops.

Weight on Runway = 1,027 lbs.
 + Weight of Runway rail (10' Hang Span x 8.16lbs.) = 81.6 lbs.
 + (1) Runway Festoon Kit = 12 lbs.

Total Weight on Hanger = 1,121 lbs.

Fig. A

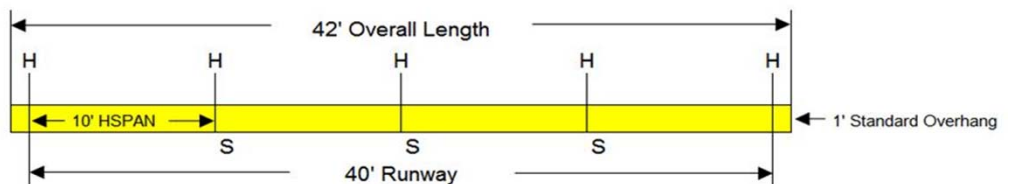
	Hang Span/Weight Cap. (lbs.) Guide*						
	5ft.	6ft.	7ft.	8ft.	9ft.	10ft.	12ft.
ETA-4	1,733	1,203	884	677	535	433	301
ETA-5	3,376	2,344	1,722	1,319	1,042	844	586
ETA-8	14,143	9,822	7,216	5,525	4,365	3,536	2,455

* All figures are based on new profile rail and 1/450 deflection, refer to live load chart for more weights

Fig. B

Rail Type	lbs./ft.	Max. Length
ETA-4	3.73	32'
ETA-5	4.67	42'
ETA-8	8.16	42'

Fig. C



H = Hanger
 S = Splice

1st Piece - Always 1' + Longest Piece of rail possible. This can be either to the end of runway or length of profile (see Fig.C) or longest piece the facility/truck will allow. Note: Except for a piece that ends the runway (including 1' overhang) the 1st piece must end at or no more than 1' from a hanger.

Consecutive Pieces - Must be placed within 1' of hanger have a splice and can be either to the end of runway or length of profile (see above) or longest piece the facility/truck will allow. Note: Except for a piece that ends the runway (including 1' overhang) the consecutive pieces must end at or no more than 1' from a hanger.

Example: 40' Runway (ETA-8 Rail)
 10' Hanger Centers
 42' Overall (1' overhangs on each side)
 (5) 25465 Block Hangers (min. required)
 (1) Runway Air Tractor
 (1) 42' Runway Festoon Kit

Possible Options:

Size of pcs.(ft.)			# Splices	#of Hgrs.
1st	2nd	3rd		
42			0	5
31	11		1	5
21	21		1	5
11	20	11	2	5

Summary of Bridge & Runway Example:

Hanger Capacity	3,000 lbs.
Total Weight on Hanger	1,121 lbs.
Runway Capacity	3,536 lbs.
Weight on Runway	1,027 lbs.
End Truck Capacity	1,000 lbs.
Weight on End Truck	985 lbs.
Bridge Capacity	1,571 lbs.
Weight on Bridge	913 lbs.
Bridge Components	13 lbs.
Bridge RATED LOAD	900 LBS.

ETA Runway System Worksheet

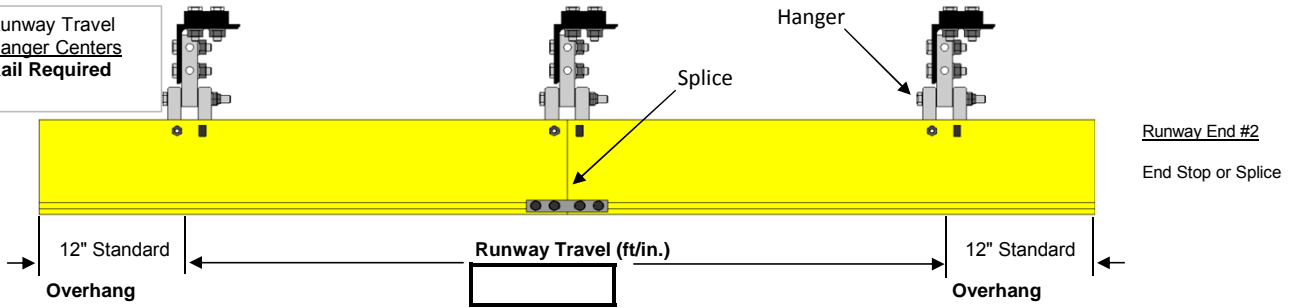


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ETA Runway systems need 12" Standard overhang on each end. When quoting please include the extra length on each end.

Example: 70' Runway Travel
10' Hanger Centers
72' Rail Required



Runway Type	Runway Configuration	Select Hanger (enter qty.)	Runway End #1	Runway End #2
ETA-4	Monorail/Tool Rail (1 Rail)	25286 - ETA-4/5 Block Hanger -2000 lb.	<input type="checkbox"/> 24900 - ETA-4 Double End Cap Assembly	<input type="checkbox"/>
ETA-5	Runway (2 Rails)	25467 - ETA-4/5 Adjustable Block Hanger -1500 lb.	<input type="checkbox"/> 25194 - ETA-5 Double End Cap Assembly	<input type="checkbox"/>
ETA-8	Tri-Runway (3 Rails)	25467 - ETA-4/5 Adjustable Block Hanger -1500 lb.	<input type="checkbox"/> 25514 - ETA-4/5 Splice New to New	<input type="checkbox"/>
No Runway		25473 - ETA-4/5 Closed Adj Hanger 2.33-3.33 -1500 lb.	<input type="checkbox"/> 25133 - ETA-4 End Stop Shock Absorber	<input type="checkbox"/>
		25474 - ETA-4/5 Closed Adj Hanger 4" TO 8" -1500 lb.	<input type="checkbox"/> 25134 - ETA-5 End Stop Shock Absorber	<input type="checkbox"/>
		27055 - ETA-4/5 Beam Hanger PAR 2.33-3.33 -2000 lb.	<input type="checkbox"/> 28050 - ETA-4/5 Bolted Splice Bar Kit	<input type="checkbox"/>
		27057 - ETA-4/5 Beam Hanger PAR 4" TO 8" -2000 lb.	<input type="checkbox"/> 24950 - ETA-8 Double End Cap Assembly	<input type="checkbox"/>
		25170 - ETA-8 Block Hanger -3500 lb.	<input type="checkbox"/> 25552 - ETA-8 Splice New to New	<input type="checkbox"/>
		25465 - ETA-8 Adjustable Block Hanger -3000 lb.	<input type="checkbox"/> 25135 - ETA-8 End Stop Shock Absorber	<input type="checkbox"/>
		25471 - ETA-8 Closed Adj Hanger 2.33-3.33 -3000 lb.	<input type="checkbox"/> 28010 - ETA-8 Bolted Splice Bar Kit	<input type="checkbox"/>
		25472 - ETA-8 Closed Adj Hanger 4"TO 8" -3000 lb.		
		27059 - ETA-8 Beam Hanger PAR 2.33-3.33 -3500 lb.		
		27061 - ETA-8 Beam Hanger PAR 4" TO 8" -3500 lb.		
		27070 - ETA 4/5/8 Rigid Mount Hanger -3500 lb.		

Runway Color

Inspection Gates (enter qty.)
 25785 - ETA-8 Inspection Gate
 25790 - ETA-4/5 Inspection Gate

* Inspection Gates do not work with Pickup Trolleys/End Trucks.

of Splices between rails? (Do Not include each end of Runway Length) # of Splices

Select Runway Rail (enter qty.)

<input type="checkbox"/> ETA""RW01	<input type="checkbox"/> ETA""RW14	<input type="checkbox"/> ETA""RW27	<input type="checkbox"/> ETA""RW40(ETA5/8 only)
<input type="checkbox"/> ETA""RW02	<input type="checkbox"/> ETA""RW15	<input type="checkbox"/> ETA""RW28	<input type="checkbox"/> ETA""RW41(ETA5/8 only)
<input type="checkbox"/> ETA""RW03	<input type="checkbox"/> ETA""RW16	<input type="checkbox"/> ETA""RW29	<input type="checkbox"/> ETA""RW42(ETA5/8 only)
<input type="checkbox"/> ETA""RW04	<input type="checkbox"/> ETA""RW17	<input type="checkbox"/> ETA""RW30	
<input type="checkbox"/> ETA""RW05	<input type="checkbox"/> ETA""RW18	<input type="checkbox"/> ETA""RW31	
<input type="checkbox"/> ETA""RW06	<input type="checkbox"/> ETA""RW19	<input type="checkbox"/> ETA""RW32	
<input type="checkbox"/> ETA""RW07	<input type="checkbox"/> ETA""RW20	<input type="checkbox"/> ETA""RW33 (ETA5/8 only)	
<input type="checkbox"/> ETA""RW08	<input type="checkbox"/> ETA""RW21	<input type="checkbox"/> ETA""RW34(ETA5/8 only)	
<input type="checkbox"/> ETA""RW09	<input type="checkbox"/> ETA""RW22	<input type="checkbox"/> ETA""RW35(ETA5/8 only)	
<input type="checkbox"/> ETA""RW10	<input type="checkbox"/> ETA""RW23	<input type="checkbox"/> ETA""RW36(ETA5/8 only)	
<input type="checkbox"/> ETA""RW11	<input type="checkbox"/> ETA""RW24	<input type="checkbox"/> ETA""RW37(ETA5/8 only)	
<input type="checkbox"/> ETA""RW12	<input type="checkbox"/> ETA""RW25	<input type="checkbox"/> ETA""RW38(ETA5/8 only)	
<input type="checkbox"/> ETA""RW13	<input type="checkbox"/> ETA""RW26	<input type="checkbox"/> ETA""RW39(ETA5/8 only)	

Notes:

Runway Additional Options:

ETA-4/5 Festoon Trolley(enter qty.)

- 20150 - ETA-4/5 Fest. -100 lb.
- 20155 - ETA-4/5 Fest. w/Small Saddle -100 lb.
- 20160 - ETA-4/5 Fest. w/Large Saddle -100 lb.
- 20165 - ETA-4/5 Fest. w/Flatwire Saddle -100 lb.
- 20170 - ETA-4/5 Fest. w/Large Sling -100 lb.
- 20175 - ETA-4/5 Fest. w/Small Sling -100 lb.
- 20180 - ETA-4/5 Fest. w/UII Saddle -100 lb.
- 20185 - 12" Cable Saddle w/ ETA-4/5 -100 lb.
- 78260 - ETA-4/5 Festoon Slider -100 lb.

ETA-8 Festoon Trolley(enter qty.)

- 20090 - ETA-8 Festoon -100 lb.
- 20091 - ETA-8 Festoon w/Small Saddle -100 lb.
- 20092 - ETA-8 Festoon w/Large Saddle -100 lb.
- 20093 - ETA-8 Festoon w/Flatwire Saddle -100 lb.
- 20094 - ETA-8 Festoon w/Large Sling -100 lb.
- 20095 - ETA-8 Festoon w/Small Sling -100 lb.
- 20096 - ETA-8 Festoon w/UII Saddle -100 lb.
- 20097 - 12" Cable Saddle w/ ETA-8 -1000 lb.
- 78270 - ETA-8 Festoon Slider -100 lb.

Runway Mid Stops (enter qty.)

- 25179 - ETA-8 Pos. Stop Shock Absorber
- 25185 - ETA-4/5 Pos. Stop Shock Absorber
- 25570 - ETA-8 Mid Stop
- 25575 - ETA-4/5 Insertable Mid Stop
- 25576 - ETA-8 Insertable Mid Stop
- 25580 - ETA-4/5 Mid Stop

Festooning (enter qty.)

- 1/2" Runway Festoon Kit Ft. required _____
- 3/4" Runway Festoon Kit Ft. required _____
- Electric Festooning Kit Ft. required _____
- Blue Flex Hose ____ 1/2" or 3/4" Ft. _____
- Blue Coiled Hose ____ 1/2" or 3/4" Ft. _____
- 25290 - ETA-4 Air Hose Connector Bracket
- 25070 - ETA-5/8 Air Hose Connector Bracket
- 25075 - Festoon Bracket Assembly 1/2" NPT
- 25095 - Festoon Bracket Assembly 3/4" NPT
- 1/2" FR _____ Parker / SMC
- 3/4" FR _____ Parker / SMC
- 1/2" FRL _____ Parker / SMC
- 3/4" FRL _____ Parker / SMC
- 1/2" Manual Lockout _____ Parker / SMC
- 3/4" Manual Lockout _____ Parker / SMC
- 3' Whip Hose _____ 1/2" _____ 3/4"
- 78278 - 6' Safety Cable

Limit Switches (enter qty.)

- 25670 - Limit/Over Travel Switch Brk.
- 25675 - Limit Switch Trip Arm Brkt Assy
- 25677 - Over Travel Switch Assy

Notes:

Please Submit, Email, Fax or Mail form to:

Unified Industries
 1033 Sutton Street
 Howell, MI 48843
 Phone: 517-546-3220
 Fax: 517-546-0696
 Email: sales@unified-ind.com
 Website: www.unified-ind.com

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