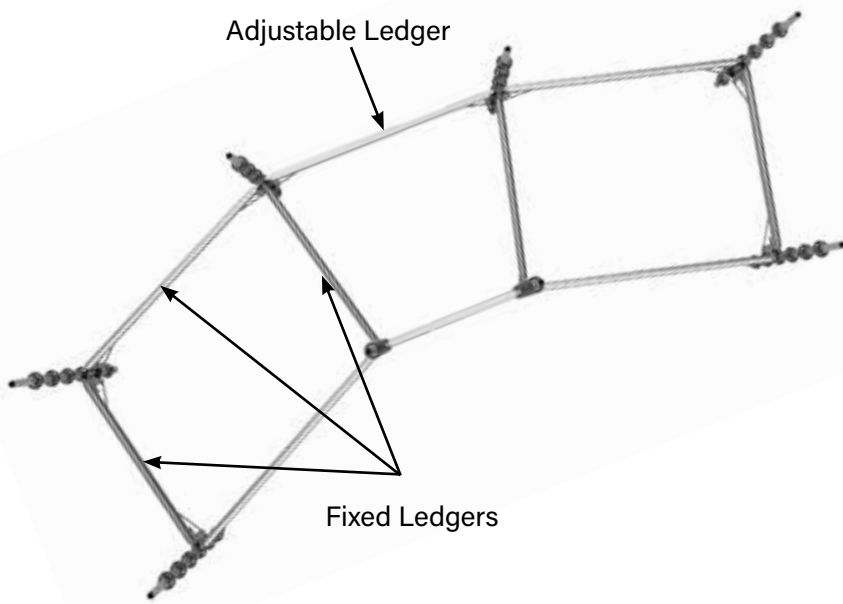


# EXCEL MODULAR ADJUSTABLE BEARER

Part Number	Description	Minimum Post Spacing (inches)	Maximum Post Spacing (inches)	Weight Galvanized (lbs.)
TPB36	36" to 48" Adjustable Bearer	36	47	12
TPB48	48" to 60" Adjustable Bearer	48	59	17
TPB60	60" to 72" Adjustable Bearer	60	71	20
TPB72	72" to 84" Adjustable Bearer	72	83	23
TPB84	84" to 96" Adjustable Bearer	84	95	26
THL96	96" to 108" Adjustable Ledger	96	107	32



Adjustable bearers are designed to provide deck support between two (2) self-supporting scaffold structures where traditionally only tube and clamp could be used. They may also be used to create odd-sized scaffolds (ex: 5 feet x 6 ½ feet).

**MATERIAL SPECS:**

1. Outer tubing is 1.90 diameter, 11-gauge (0.120 wall), high-strength, minimum 65,000 yield, and 75,000 tensile.
2. Inner tubing is 1.625 diameter, 11-gauge (0.120 wall), high-strength, minimum 65,000 yield, and 75,000 tensile.



**CAUTION:** There is a pinch point when closing the trigger and where the parts telescope.



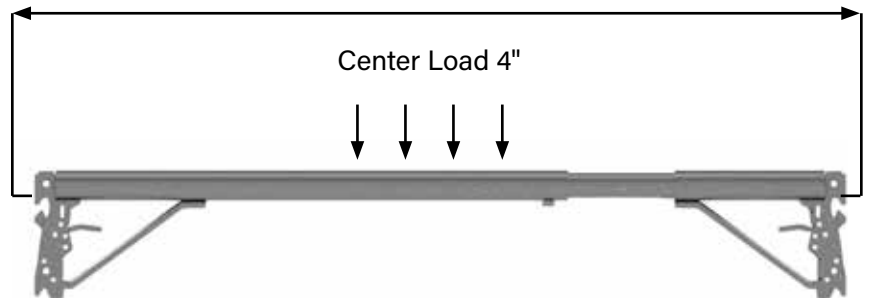
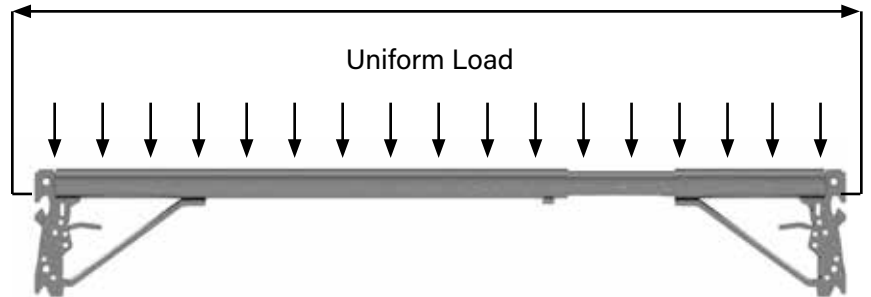
**WARNING:** Adjustable bearers provide limited longitudinal support.

**Intermediate horizontal adapters may only be placed on adjustable bearers if designed by an engineer.**

**All material must be inspected prior to use!  
See inspection guidelines on page 112.**

# EXCEL MODULAR ADJUSTABLE BEARER (CONT'D)

Part Number	Description	Allowable Center Load (lbs.)	Allowable Uniform Load When Fully Extended (lbs./ft.)
TPB36	36" to 48" Adjustable Bearer	812	406
TPB48	48" to 60" Adjustable Bearer	625	250
TPB60	60" to 72" Adjustable Bearer	750	250
TPB72	72" to 84" Adjustable Bearer	687	196
TPB84	84" to 96" Adjustable Bearer	618	155
THL96	96" to 108" Adjustable Ledger	562	125



**BUILD NOTES:**

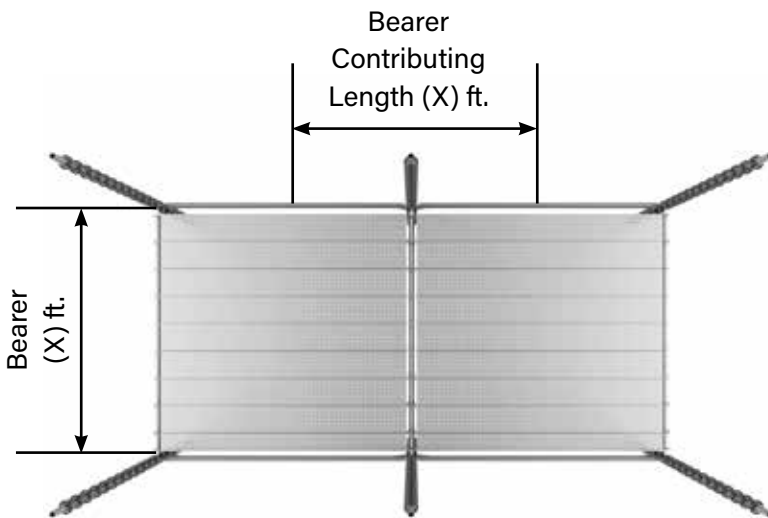
1. Vertical leg may be the limiting load carrying member.
2. Center load is applied to the center four (4) inches of the bearer or ledger.

**All material must be inspected prior to use!  
See inspection guidelines on page 112.**

# EXCEL MODULAR ADJUSTABLE BEARER (CONT'D)

Bearer	Ledger Length											
	Length (inches)	PB24	PB32	PB36	PB42	PB48	PB60	PB72	PB84	HL96	HL108	HL120
PB24	24	1125	844	750	643	563	450	375	321	281	250	225
PB32	32	574	431	383	328	287	230	191	164	144	128	115
PB36	36	340	255	227	194	170	136	113	97	85	76	68
PB42	42	286	214	190	163	143	114	95	82	71	63	57
PB48	48	225	169	150	129	113	90	75	64	56	50	45
PB60	60	125	94	83	71	63	50	42	36	31	28	25
PB72	72	88	66	59	50	44	35	29	25	22	20	18
PB84	84	59	44	39	33	29	23	20	17	15	13	12
HL96	96	40	30	27	23	20	16	13	11	10	9	8
HL108	108	31	23	20	17	15	12	10	9	8	7	6
HL120	120	25	19	17	14	13	10	8	7	6	6	5

Chart shows the total allowable load per square foot (live load + dead load).  
 Chart shows worst case scenario— adjustable bearer fully extended.



Continuous-Run Scaffold

All areas below 25 lbs./sq. ft. (in yellow) do not meet OSHA requirements for a light-duty scaffold. OSHA 1926.451 (a) 6 in conjunction with non-mandatory Appendix A, define uniform loads for scaffold types.

**BUILD NOTES:**

1. Bearer supports the boards.
2. Deck planking or vertical members may be the limiting load carrying member.



**WARNING: Additional bracing is required for areas in yellow. Please consult with your qualified person and/or engineer.**

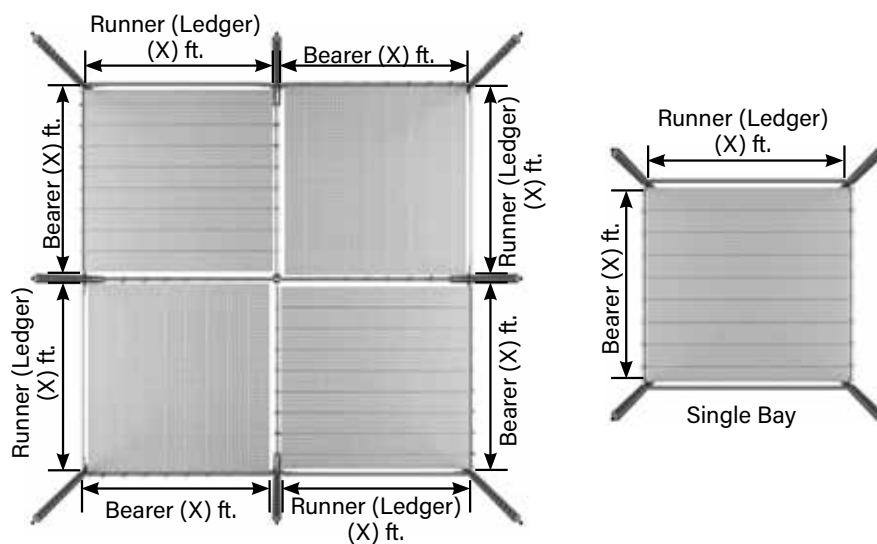
**All material must be inspected prior to use!  
 See inspection guidelines on page 112.**

# EXCEL MODULAR ADJUSTABLE BEARER (CONT'D)

Bearer	Ledger Length											
	Length (inches)	PB24	PB32	PB36	PB42	PB48	PB60	PB72	PB84	HL96	HL108	HL120
PB24	24	1125	844	750	643	563	450	375	321	281	250	225
PB32	32	574	431	383	328	287	230	191	164	144	128	115
PB36	36	340	255	227	194	170	136	113	97	85	76	68
PB42	42	286	214	190	163	143	114	95	82	71	63	57
PB48	48	225	169	150	129	113	90	75	64	56	50	45
PB60	60	125	94	83	71	63	50	42	36	31	28	25
PB72	72	88	66	59	50	44	35	29	25	22	20	18
PB84	84	59	44	39	33	29	23	20	17	15	13	12
HL96	96	40	30	27	23	20	16	13	11	10	9	8
HL108	108	31	23	20	17	15	12	10	9	8	7	6
HL120	120	25	19	17	14	13	10	8	7	6	6	5

Chart shows the total allowable load per square foot (live load + dead load).

Chart shows worst case scenario—adjustable bearer fully extended.



Alternating Bays

All areas below 25 lbs./sq. ft. do not meet OSHA requirements for a light-duty scaffold. OSHA 1926.451 (a) 6 in conjunction with non-mandatory Appendix A, define uniform loads for scaffold types.

**BUILD NOTES:**

1. Bearer supports the boards.
2. Deck planking or vertical members may be the limiting load carrying member.

**All material must be inspected prior to use!  
See inspection guidelines on page 112.**