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ABELL-HOWE

FREEDOM FRAME™

FREE-STANDING MODULAR RUNWAY SYSTEM





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FREE-STANDING MODULAR RUNWAY SYSTEM

The Abell-Howe Freedom Frame free-standing modular runway system is ideal for situations where installation of overhead cranes is not practical such as the following:

BUILDINGS NOT DESIGNED FOR OVERHEAD CRANES

Structural steel of building is not intended to or cannot support required loads.

LEASED BUILDINGS

Construction of Freedom Frame allows for easy installation and dismantling for movement to another location.

PRECAST CONCRETE BUILDINGS

Runway supports include base plates for securement to concrete slab.



BENEFITS & FEATURES

EXTENSIVE CAPACITY RANGE

Available in 2, 3, 5, 7-1/2 and 10 ton capacities as standard to meet a wide range of requirements. Special capacity markings can be provided on non-standard systems.

FREE STANDING SYSTEM

Tie off to building column or support structure not required.

EASY INSTALLATION & DISMANTLING

Connections are bolted, not welded, to allow for easy installation and dismantling for movement to another location.

1, 2, 3 OR 4 BAY SYSTEMS

Multiple bays can be provided for long runway requirements. Additional bays can be added to existing systems in field.

STANDARD & ENGINEERED SYSTEMS

Standard systems consisting of modular runway systems only for quick delivery or engineered systems to accommodate any special requirements including the following:

- Bridge Beams included
- Top-Running Singer Girder
Plug & Play Crane included
- Special Control Requirements
- Special Environments
- Special Painting

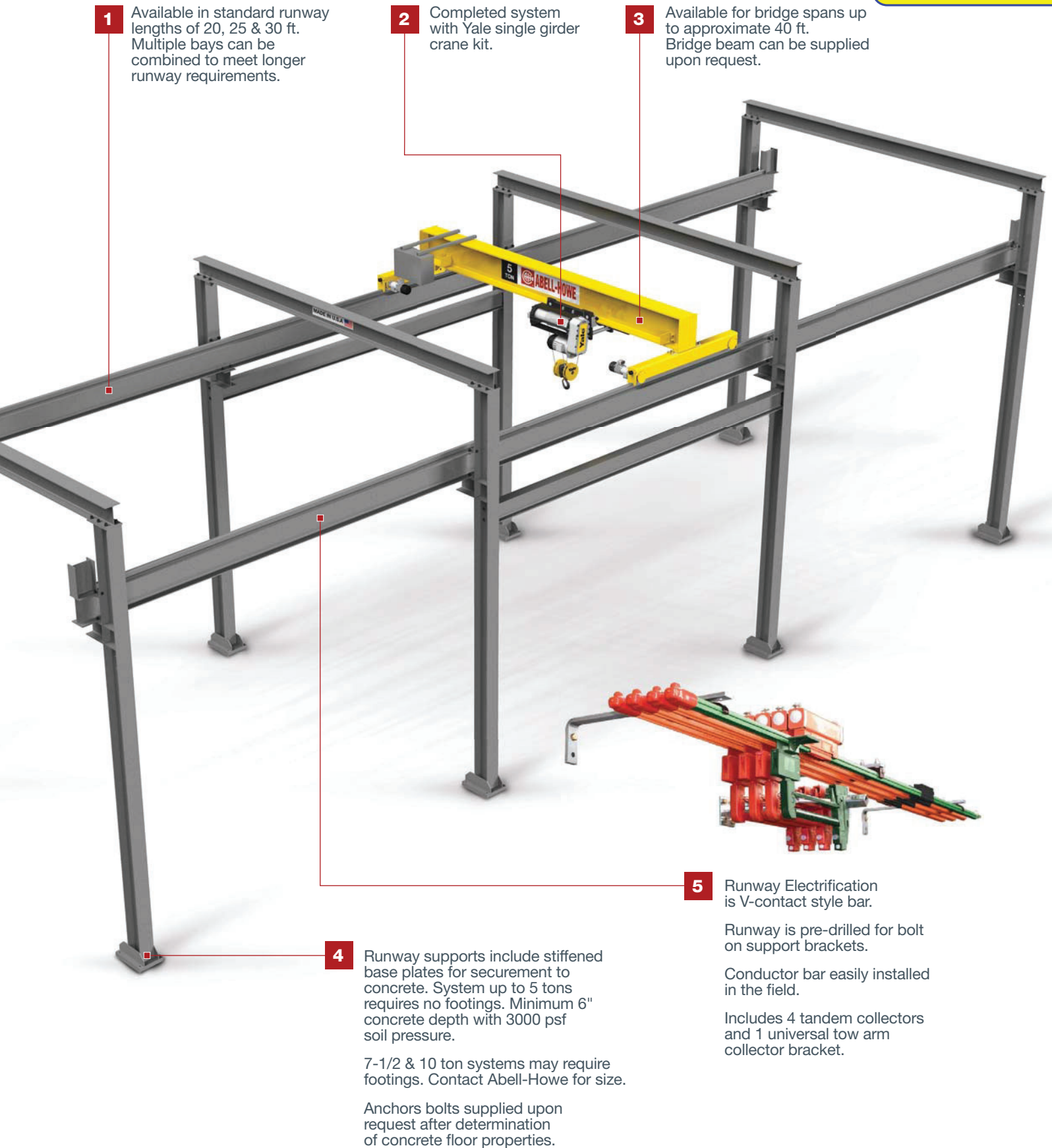


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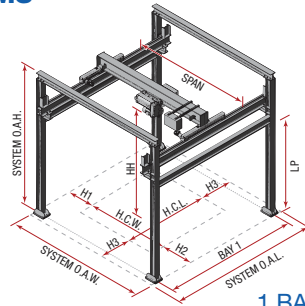
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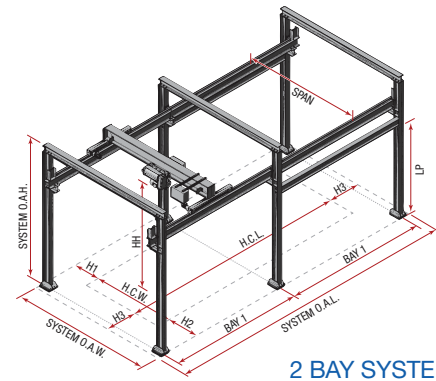
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CRANE MANUFACTURERS
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Member Company



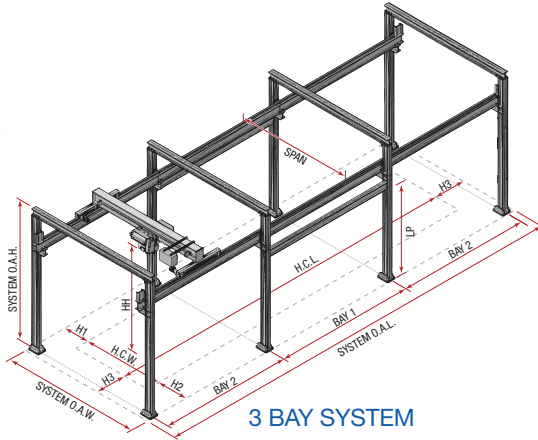
DIMENSIONS 1, 2, 3 & 4 BAY SYSTEMS



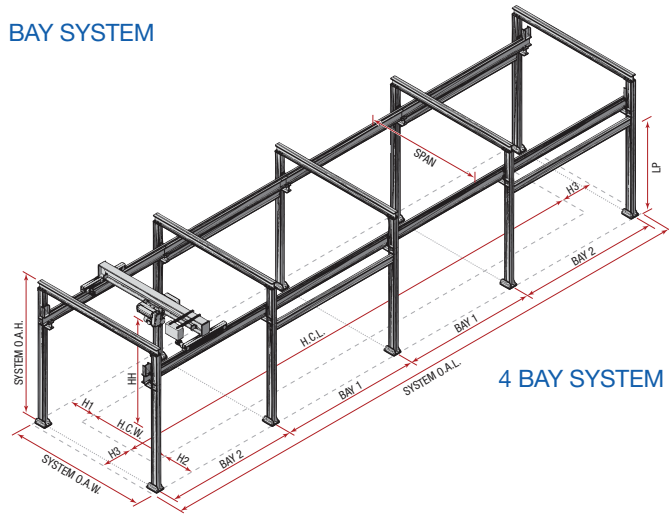
1 BAY SYSTEM



2 BAY SYSTEM



3 BAY SYSTEM



4 BAY SYSTEM

WIDTH DIMENSIONS FOR 1, 2, 3 & 4 BAY SYSTEMS

DIMENSION	CAPACITY														
	2 TONS			3 TONS			5 TONS			7-1/2 TONS			10 TONS		
SYSTEM OVERALL WIDTH (O.A.W.)	20'-0"	30'-0"	40'-0"	20'-0"	30'-0"	40'-0"	20'-0"	30'-0"	40'-0"	20'-0"	30'-0"	40'-0"	20'-0"	30'-0"	40'-0"
CRANE SPAN	16'-8"	26'-8"	36'-8"	16'-8"	26'-8"	36'-8"	16'-8"	26'-8"	36'-8"	16'-0"	26'-0"	36'-0"	16'-0"	26'-0"	36'-0"
HOOK COVERAGE WIDTH (HCW)*	11'-8"	21'-8"	31'-8"	11'-8"	21'-8"	31'-8"	11'-8"	21'-8"	31'-8"	10'-9"	20'-9"	30'-9"	10'-9"	20'-9"	30'-9"
H1*	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	3'-8"	4'-3"	4'-3"	4'-3"	4'-3"	4'-3"	4'-3"
H2*	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"	4'-8"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"	5'-0"

LENGTH DIMENSIONS FOR ALL CAPACITIES AND WIDTHS

1 BAY SYSTEM			2 BAY SYSTEM			3 BAY SYSTEM			4 BAY SYSTEM		
OVERALL LENGTH (O.A.L.)	BAY 1	BAY 2	OVERALL LENGTH (O.A.L.)	BAY 1	BAY 2	OVERALL LENGTH (O.A.L.)	BAY 1	BAY 2	OVERALL LENGTH (O.A.L.)	BAY 1	BAY 2
20'-0"	18'-0"	-	40'-0"	19'-0"	-	60'-0"	20'-0"	19'-0"	80'-0"	20'-0"	19'-0"
25'-0"	23'-0"	-	50'-0"	24'-0"	-	75'-0"	25'-0"	24'-0"	100'-0"	25'-0"	24'-0"
30'-0"	28'-0"	-	60'-0"	29'-0"	-	90'-0"	30'-0"	29'-0"	120'-0"	30'-0"	29'-0"

HEIGHT DIMENSIONS FOR 1, 2, 3 & 4 BAY SYSTEMS

DIMENSION	CAPACITY									
	2 TONS		3 TONS		5 TONS		7-1/2 TONS		10 TONS	
	20' O.A.H.	25' O.A.H.	20' O.A.H.	25' O.A.H.	20' O.A.H.	25' O.A.H.	20' O.A.H.	25' O.A.H.	20' O.A.H.	25' O.A.H.
HOOK HEIGHT (HH)*	15'-7"	20'-7"	15'-7"	20'-7"	15'-7"	20'-7"	14'-0"	19'-0"	14'-0"	19'-0"
FRAME LOW POINT (LP)	13'-0"	18'-0"	13'-0"	18'-0"	13'-0"	18'-0"	11'-5"	16'-5"	11'-5"	16'-5"

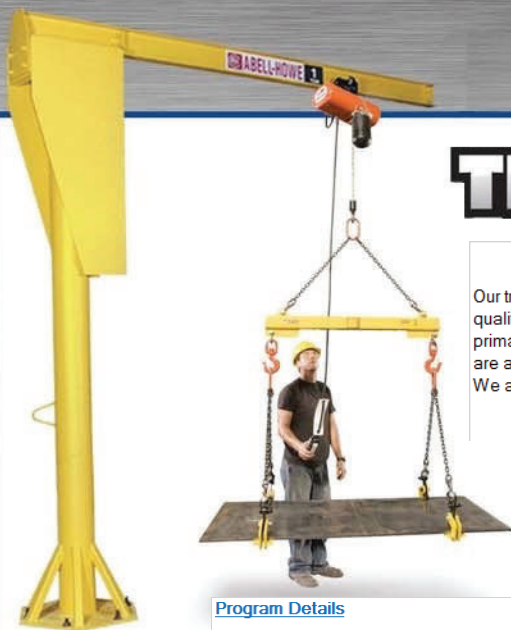
*Dimensions are approximate and are based on Global King Crane Kits.

HOOK COVERAGE LENGTH DIMENSIONS

2 & 3 TONS			5, 7-1/2 & 10 TONS		
OVERALL LENGTH (O.A.L.)	HOOK COVERAGE LENGTH (HCL)*	H3*	OVERALL LENGTH (O.A.L.)	HOOK COVERAGE LENGTH (HCL)*	H3*
20'-0"	12'-0"	4'-0"	20'-0"	9'-0"	5'-6"
25'-0"	17'-0"	4'-0"	25'-0"	14'-0"	5'-6"
30'-0"	22'-0"	4'-0"	30'-0"	19'-0"	5'-6"
40'-0"	32'-0"	4'-0"	40'-0"	29'-0"	5'-6"
50'-0"	42'-0"	4'-0"	50'-0"	39'-0"	5'-6"
60'-0"	52'-0"	4'-0"	60'-0"	49'-0"	5'-6"
75'-0"	67'-0"	4'-0"	75'-0"	64'-0"	5'-6"
80'-0"	72'-0"	4'-0"	80'-0"	69'-0"	5'-6"
90'-0"	82'-0"	4'-0"	90'-0"	79'-0"	5'-6"
100'-0"	92'-0"	4'-0"	100'-0"	89'-0"	5'-6"
120'-0"	112'-0"	4'-0"	120'-0"	109'-0"	5'-6"

Maximum crane height is the dimension from top of the ASCE rail to the top of the crane and still leaves 3' clear between the frame and the crane.

The overall width, overall length, and overall height are maximum dimensions. It is the responsibility of the customer to provide proper clearances to existing conditions.



TRAINING™

Our training program has been developed by our years of experience and exceeds the industry qualification standards. The training is performed by our "Certified Crane Operator Trainers" whom primary concern is the safety of your operators. Trained operators are not only required by law but are also essential to the safe, efficient, and cost-effective operation of overhead lifting equipment. We at CES utilize the "Lift Safe" program to ensure your operators are properly trained and certified.

Program Details

The program provides everything your operators will need to use skill, good judgement and common sense to work safe.

Below are the covered chapters to the program:

- Operators Requirements
- Inspection
- Preparing the Load
- Moving the Load
- Hand Signals
- Shutdown Procedures
- Crane and Hoist Basics
- Crane Types

Operator training includes instruction in all the following areas:

- ✓ Capacities of equipment and attachments-including maximum rated capacities of cranes/hoists
- ✓ How to use the controls
- ✓ Daily inspection routines
- ✓ Energizing procedures and sequences
- ✓ Startup and shutdown procedures
- ✓ General operating procedures
- ✓ Safe rigging procedures
- ✓ Basic signaling procedures, including hand.
- ✓ Applicable state and/or company safety rules, regulations and standards

License Qualification:

- Pass a written test on crane operation and safety procedures
- Pass a proficiency test that demonstrates your properly operate a specific crane or hoist (hands on)

Abell-howe is one of the only manufacturers supplying complete lifting systems to satisfy unique material handling requirements of users in a variety of environments. From jib cranes and hoists to chain slings, clamps, and related attachments; systems include products that are matched specifically to the lifting needs of the application. Products may also be modified in order to ensure that the proper system is in place for the job.

Whether your needs call for just a single bay Freedom Frame or a completely engineered system to outfit your production facility, Abell-Howe provides the products and expertise to keep your workforce productive and safe.

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