



**SPANMASTER**®

BY TC/AMERICAN CRANE COMPANY

**PRE-ENGINEERED WORK STATION CRANE SYSTEM**



- » FREESTANDING OR CEILING MOUNTED
- » AVAILABLE IN CAPACITIES RANGING FROM 250 - 4400 LBS.
- » BRIDGE LENGTHS UP TO 38' 6"
- » PATENTED ARTICULATING END TRUCK DESIGN



# SPANMASTER®

BY TC/AMERICAN CRANE COMPANY

## FREESTANDING WORK STATION CRANES



### FREESTANDING KITS

- » ENCLOSED TRACK BRIDGE WITH ARTICULATING END TRUCKS
- » TROLLEY IS ADAPTABLE TO MOST HOOK MOUNTED HOISTS
- » TRULY FREESTANDING STRUCTURE DOES NOT REQUIRE BRACING
- » RUNWAY BEAMS WITH END STOPS AND SPLICE ASSEMBLIES (WHEN REQUIRED)
- » FLAT CABLE FESTOON ELECTRIFICATION FOR RUNWAY AND BRIDGE
- » CONNECTION HARDWARE\*

\*HOIST AND ANCHOR BOLTS NOT INCLUDED

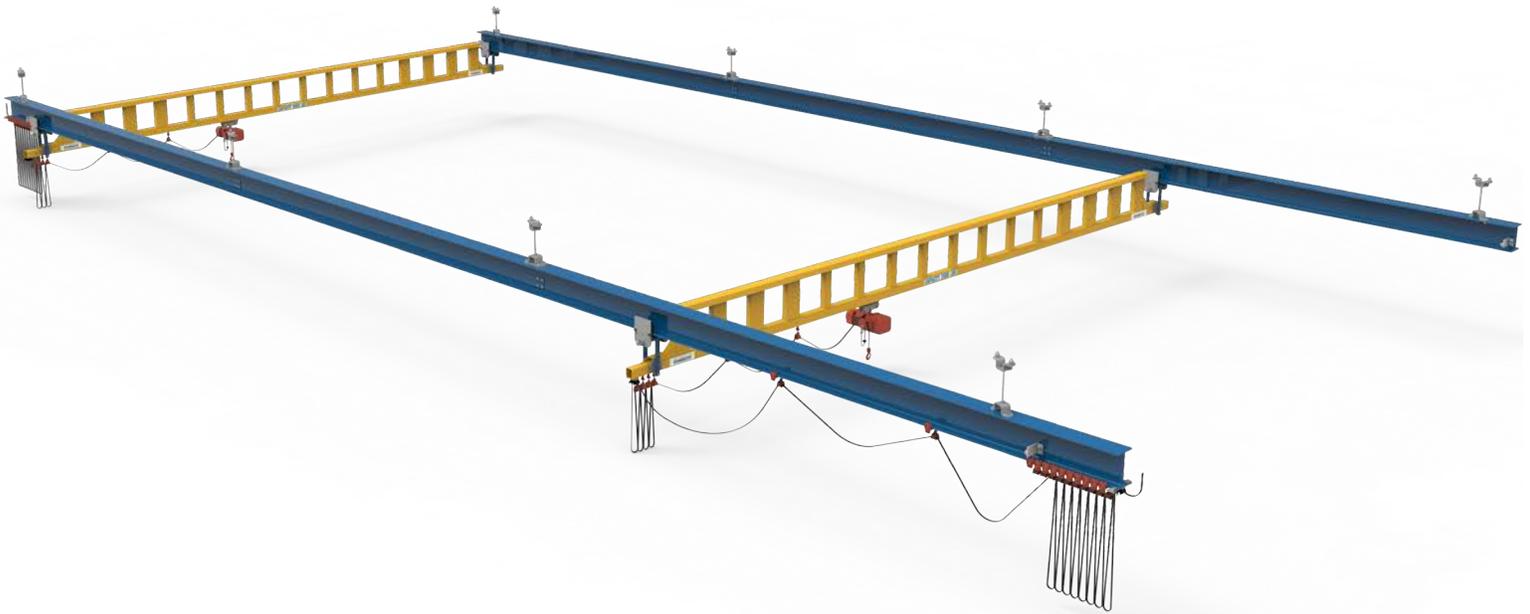
SPANMASTER PRE-ENGINEERED WORK STATION CRANE SYSTEMS INCLUDE EVERYTHING NECESSARY TO EASILY INSTALL A FREESTANDING WORK STATION. EVERY SPANMASTER CRANE MEETS ASME/ANSI B30.11 SPECIFICATIONS FOR MONORAILS AND UNDERHUNG CRANES



# SPANMASTER®

BY TC/AMERICAN CRANE COMPANY

## CEILING SUPPORTED WORK STATION CRANES



### CEILING SUPPORTED KITS

- » ENCLOSED TRACK BRIDGE WITH ARTICULATING END TRUCKS
- » TROLLEY IS ADAPTABLE TO MOST HOOK MOUNTED HOISTS
- » HANGER ASSEMBLIES
- » RUNWAY BEAMS WITH END STOPS AND SPLICE ASSEMBLIES (WHEN REQUIRED)
- » FLAT CABLE FESTOON ELECTRIFICATION FOR RUNWAY AND BRIDGE
- » CONNECTION HARDWARE\*

\*HOIST AND SWAY BRACING NOT INCLUDED

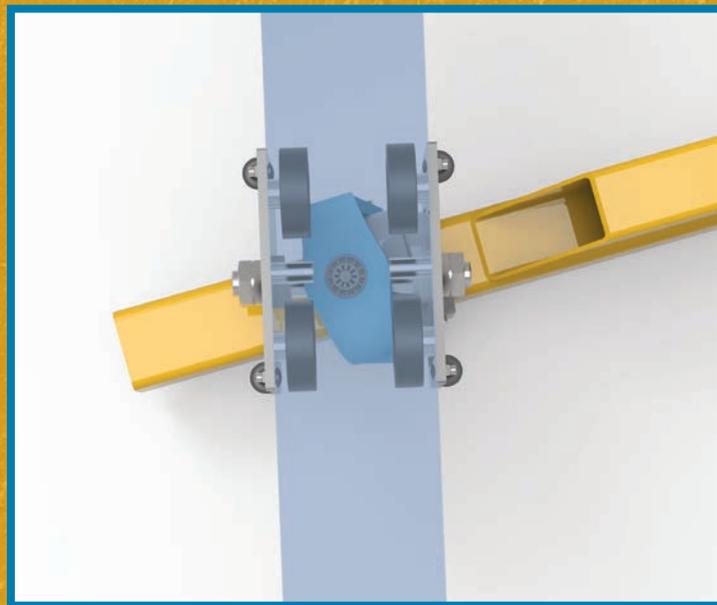
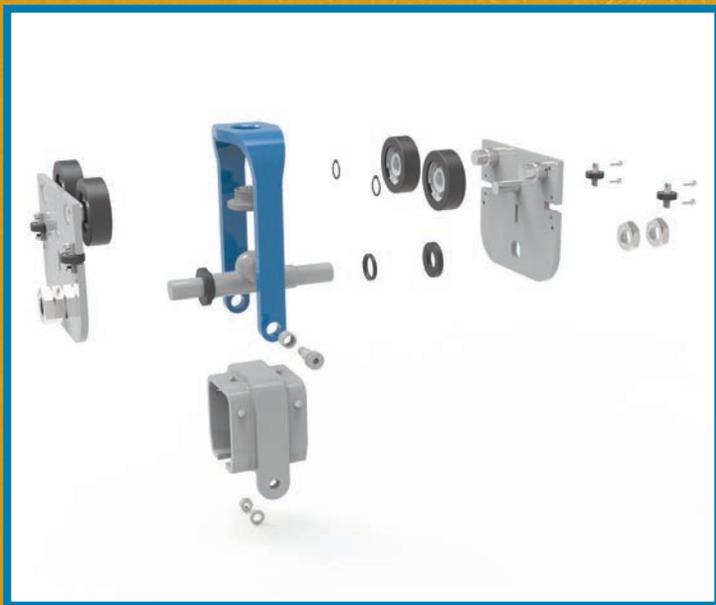
SPANMASTER PRE-ENGINEERED WORK STATION CRANE SYSTEMS INCLUDE EVERYTHING NECESSARY TO EASILY INSTALL A CEILING SUPPORTED WORK STATION. EVERY SPANMASTER CRANE MEETS ASME/ANSI B30.11 SPECIFICATIONS FOR MONORAILS AND UNDERHUNG CRANES



# SPANMASTER®

BY TC/AMERICAN CRANE COMPANY

## ARTICULATING END TRUCKS



### END TRUCK RANGE OF MOTION

- » SPANMASTER SYSTEMS USE A FIXED RUNWAY BEAM WITH AN OSCILLATING, ARTICULATING, AND PIVOTING BRIDGE
- » RANGE OF MOTION IS ACHIEVED BY THE UNIQUE BALL PIVOT AND U-HANGER DESIGN
- » OPERATING EFFORT REQUIRED IS REDUCED THROUGH THE LEVER ACTION CREATED BY THE U-HANGER LOWER PIVOTS, MINIMIZING THE EFFORT TO MOVE THE LOAD
- » PUSH/PULL FORCES AS LOW AS 100:1

REQUEST A QUOTE TODAY! 763-497-7000



# SPANMASTER®

BY TC/AMERICAN CRANE COMPANY

## ARTICULATING END TRUCKS

250/550 LB  
CAPACITY

1100 LB  
CAPACITY

2200 LB  
CAPACITY

4400 LB  
CAPACITY



RUNWAY FLANGE WIDTH  
2 3/4" MIN TO 10 7/8" MAX

RUNWAY FLANGE WIDTH  
4" MIN TO 8 5/16" MAX

RUNWAY FLANGE WIDTH  
5 1/16" MIN TO 10 1/4" MAX

RUNWAY FLANGE WIDTH  
5 9/16" MIN TO 11 5/16" MAX

MAX FLANGE THICKNESS 1/2"

MAX FLANGE THICKNESS 1"

MAX FLANGE THICKNESS 1"

MAX FLANGE THICKNESS 1"

END TRUCK O.A.L 6 11/16"

END TRUCK O.A.L 8 11/32"

END TRUCK O.A.L 9 3/8"

END TRUCK O.A.L 9 3/8"

### INDUSTRY LEADING END APPROACH





# SPANMASTER®

BY TC/AMERICAN CRANE COMPANY

## BRIDGE AND RUNWAY

### REINFORCED BRIDGE



### STRONGBACK BRIDGE



### TRUSSED BRIDGE



## NON-PROPRIETARY RUNWAYS

- » MORE COST EFFECTIVE
- » GREATER DESIGN FLEXIBILITY
- » LOWER FREIGHT COSTS
- » LONGER SUPPORT CENTERS
- » EASY TO INSTALL AND OPERATE



### COMMON APPLICATIONS:

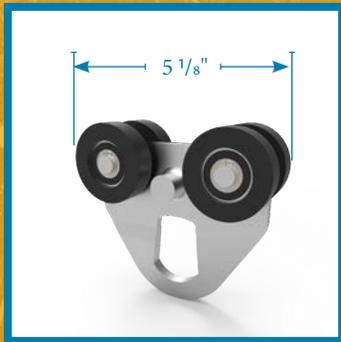
ASSEMBLY LINES, MACHINE SHOPS, WELDING CELLS, AUTOMOTIVE FACILITIES, SHIPPING FACILITIES, PART HANDLING, TOOL & DIE REPAIR, PAINT LINES, PLASTIC MOLDING FACILITIES, MAINTENANCE SHOPS, REPAIR FACILITIES, AND MANY MORE....

# SPANMASTER®

BY TC/AMERICAN CRANE COMPANY

## TROLLEYS AND COMPONENTS

250/550 LB\*  
CAPACITY



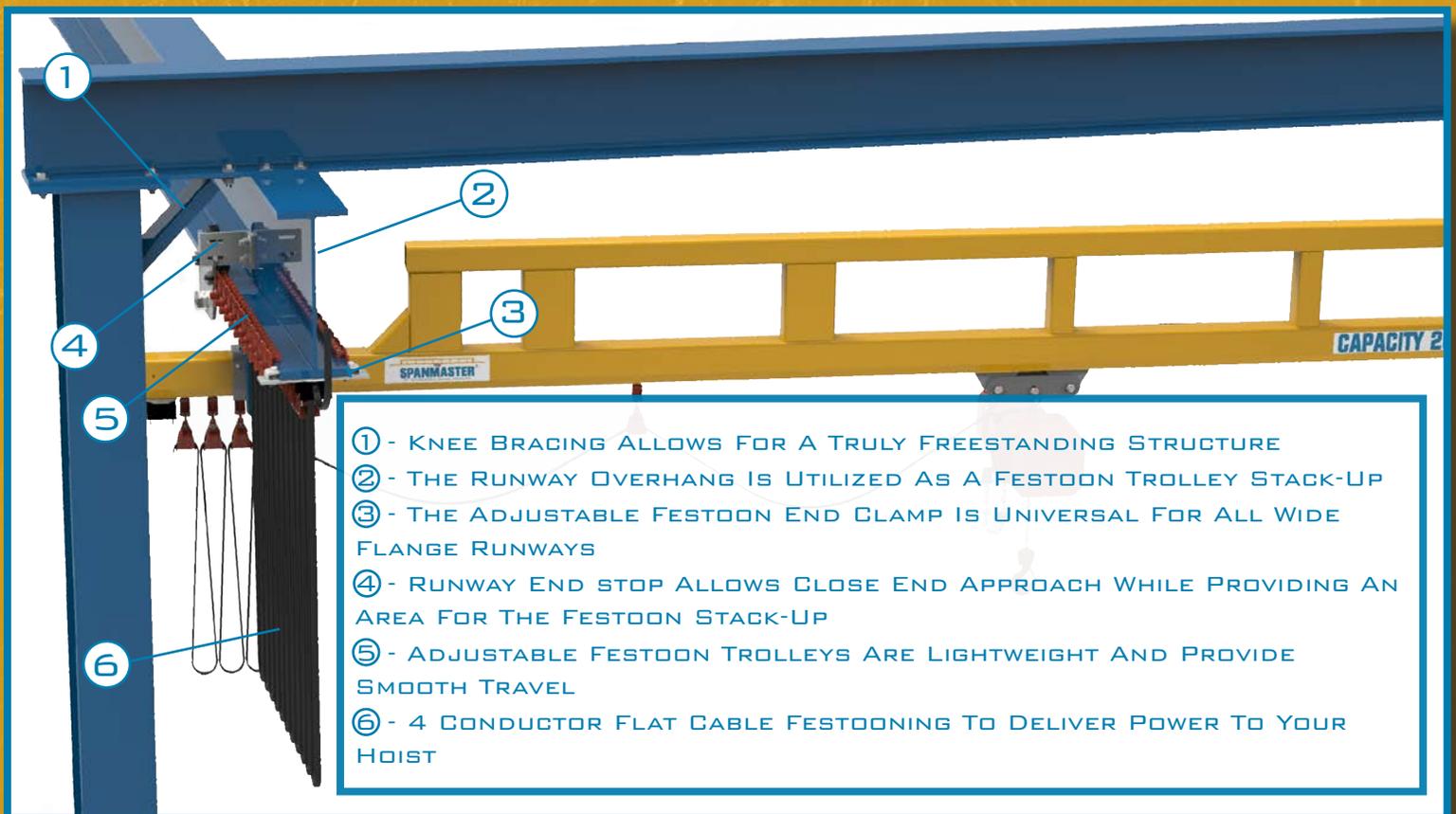
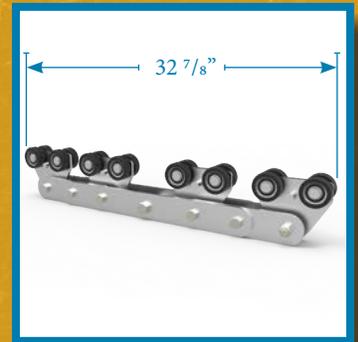
1100 LB\*  
CAPACITY



2200 LB\*  
CAPACITY



4400 LB\*  
CAPACITY



- ① - KNEE BRACING ALLOWS FOR A TRULY FREESTANDING STRUCTURE
- ② - THE RUNWAY OVERHANG IS UTILIZED AS A FESTOON TROLLEY STACK-UP
- ③ - THE ADJUSTABLE FESTOON END CLAMP IS UNIVERSAL FOR ALL WIDE FLANGE RUNWAYS
- ④ - RUNWAY END STOP ALLOWS CLOSE END APPROACH WHILE PROVIDING AN AREA FOR THE FESTOON STACK-UP
- ⑤ - ADJUSTABLE FESTOON TROLLEYS ARE LIGHTWEIGHT AND PROVIDE SMOOTH TRAVEL
- ⑥ - 4 CONDUCTOR FLAT CABLE FESTOONING TO DELIVER POWER TO YOUR HOIST

\*STANDARD CAPACITIES:

250 LBS / 500 LBS / 1000 LBS / 2000 LBS / 4000 LBS

\*METRIC CAPACITIES:

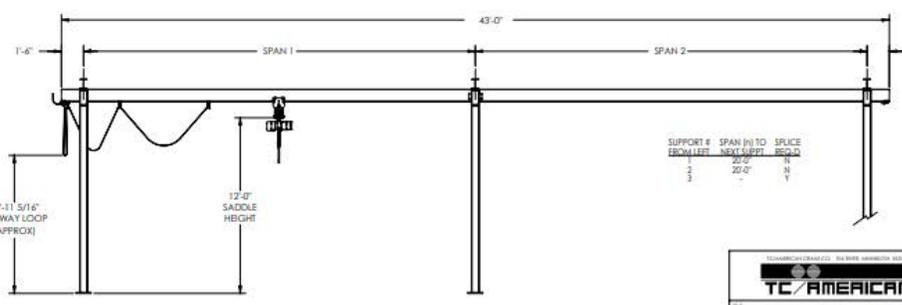
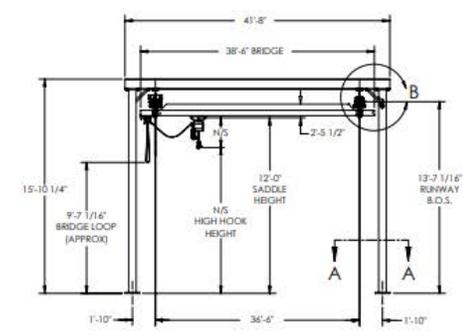
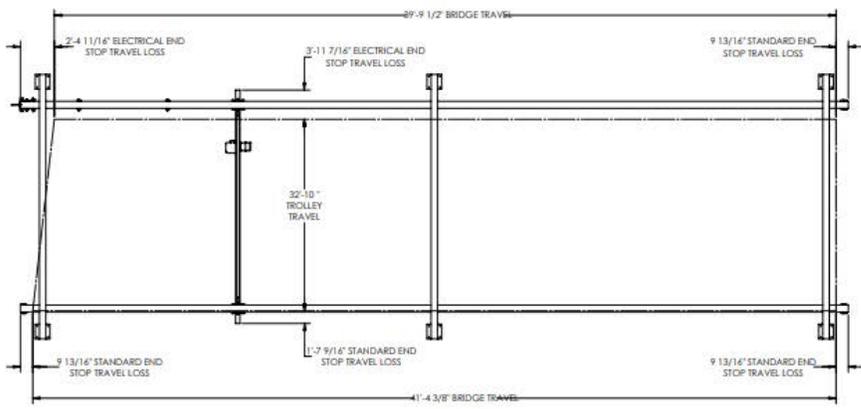
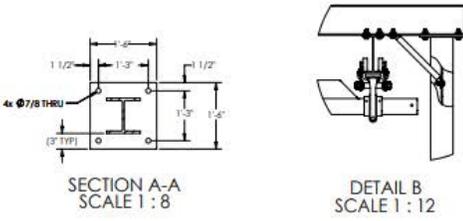
275LBS / 550 LBS / 1100 LBS / 2200 LBS / 4400 LBS

# TC/A A.C.C.E.S.S.

AUTOMATED CRANE CONFIGURATION, ESTIMATION & SALES SOFTWARE

- NOTES:
1. RUNWAY BRACES TO OCCUR AT C. OF HANGER SUPPORTS.
  2. CALCULATED MAXIMUM COLUMN LOAD OF 9694# ON A 1'-2" SQUARE BASE PLATE SHOULD BE FOUNDED ON A REINFORCED 4000 PSI CONCRETE SLAB WITH 6" MINIMUM THICKNESS, CONTAINING NO CRACKS/SEAMS/JOINTS/WALLS WITHIN 4 FEET ON SOIL WITH 2,500 PSF MINIMUM BEARING STRENGTH. A QUALIFIED ENGINEER SHOULD BE ENGAGED TO EVALUATE THE CAPACITY OF THE SLAB AT THE INTENDED LOCATION. INDEPENDENT FOOTINGS MAY BE REQUIRED.
  3. COLUMN ANCHORS TO BE SPECIFIED AND SUPPLIED BY OTHERS.
  4. USE OF NON-SHRINK GROUT UNDER COLUMN BASE PLATES RECOMMENDED.
  5. ALL FASTENERS TO BE INSTALLED WITH A WASHER LOCATED AT EACH SLOTTED HOLE AND AT THE END TO BE TURNED WHEN TIGHTENED.
  6. BRIDGE 1 FESTOON LOOP DEPTH: 2'-0"
  7. RUNWAY FESTOON LOOP DEPTH: 3'-0"
  8. BRIDGE PAINT: TC/A STANDARD YELLOW (23-3110-00)
  9. RUNWAY PAINT: TC/A SPANMASTER BLUE (23-5289-00)
  10. TAPE TREADS: N

ITEM	PART NUMBER	QTY.	DESCRIPTION	WEIGHT
1	BA-4403138.000	1	BRIDGE ASSEMBLY - 4000 x 38'-6" LONG	973.97
2	RA-21088843.000	1	RUNWAY ASSEMBLY - 38'-6" BRDG x 43'-0" RNWY	2392
3	SF00001-38.500-043.000-12.000	3	KIT, FREE-STANDING SUPPORT 4000# MAX - 38'-6" x 12'-0"	3737.45
4	EL38.500-043.000-1000	1	KIT, ELECTRICAL - 38'-6" BRDG x 43'-0" RNWY, 1000#	48.89



SUPPORT #	SPAN (ft) TO	SPICE
1	FROM LEFT	NEXT SUPPT
2	20'-0"	N
3	20'-0"	Y

PREPARED BY TC/A A.C.C.E.S.S. FOR:  
TC/AMERICAN CRANE CO  
ORDER # 526500079\_1

DATE	01/20/05
BY	WJ
CHKD	WJ
APPV	WJ
DATE	01/20/05
BY	WJ
CHKD	WJ
APPV	WJ

TC/AMERICAN

SPANMASTER WORKSTATION CRANE - FREE STANDING

ORDER # 526500079\_1

ACCESS 01/20/05 NONE 14849.89 LB

WF00001-38.500-043.000-12.000

WF-SQK000079\_1-1

**KITS AVAILABLE! MOST SYSTEMS SHIP IN 5-10 DAYS!**

TC/AMERICAN CRANE COMPANY

11110 INDUSTRIAL CIRCLE NW, SUITE A  
ELK RIVER, MN 55330  
763-497-7000  
WWW.TCAMERICAN.COM

AUTHORIZED DEALER:

PROUD MEMBERS OF:

