



## QuoteMaster® User Guide – Calculating “2 Different” hoists, separate trolleys

Calculating “two different” hoists for main / aux operation.

Main hoist



Auxiliary hoist





## QuoteMaster<sup>®</sup> User Guide – Calculating “2 Different” hoists, separate trolleys

### General page –

#### Crane Basic Data specification:

- Select the appropriate “**Crane type**”.
- Select “**Standard Delivery**” in the crane range - to activate “**2 Different**”.
- Select “**2 Different**” for the Number of hoists on bridge.
- Select desired selector switch control method for the Hoist use.  
**I, II** = Hoist I or Hoist II, V2 selector switch  
**I+II** = Hoist I or Hoist II or Hoist I+II, V3 selector switch
- Enter in the crane capacity.  
**Crane capacity = main hoist load, or**  
**Crane capacity = main hoist load + aux hoist load**
- Specify the span.

The screenshot shows the 'Technical Calculation - TEST 2 (Not ready)' window in the QuoteMaster software. The 'Crane Basic Data' section is highlighted with a red box. The 'Environment' section is also visible.

Section	Field	Value
Crane Basic Data	Type	QXD Double girder
	Crane range	Standard Delivery
	Number of trolleys	2 Different
	Hoist use	I+II
	Load of crane	100000 lbs
	Lifting height of crane	20'-0"
	Span	40'
	Runway rail length	0'
Environment	Main use	Indoors
	Min./Max. ambient temp.	41 / 104 °F
	Humidity	Normal
	Air purity	Normal
Duty Groups	Crane standard	CMAA
	Crane	C
	Machinery standard	CMAA / ASME
	Bridge machinery	CMAA C



## QuoteMaster® User Guide – Calculating “2 Different” hoists, separate trolleys

### General page –

#### Main hoist specifications:

- Determine whether the main hoist is located on the left hand or the right hand side of the crane. Select the appropriate **Left** or **Right** tab.
- Enter in the main hoist capacity.
- Select or enter the other specification as needed for the main hoist.
- Select “**Hoist Additional**s” to add additional features to the hoist.

NOTE: Additional features for the main hoist are chosen separately from the auxiliary hoist.



## QuoteMaster<sup>®</sup> User Guide – Calculating “2 Different” hoists, separate trolleys

### General page -

#### Auxiliary hoist specifications:

- If the main hoist is chosen to be on the left, then click the **Right** tab to enter in the auxiliary hoist specifications.
- Specify the hoist capacity for the auxiliary hoist.
- Specify the other specification selections as needed for the auxiliary hoist.
- Select “**Hoist Additional**s” to add additional features to the hoist.

NOTE: Additional features for the auxiliary hoist are chosen separately from the main hoist.

Technical Calculation - TEST 2 (Not ready)

General | Building | Hoists | Steel Structure | End Carriages and Drives | Electrical Components | Documents and Notes

Crane Basic Data

Type: QX/D Double girder  
Crane range: Standard Delivery  
Number of trolleys: 2 Different pcs  
Hoist use: I+II  
Load of crane: 100000 lbs  
Lifting height of crane: 20'-0"  
Span: 40'  
Runway rail length: 0'

Environment

Main use: Indoors  
Min./Max. ambient temp.: 41 / 104 °F  
Humidity: Normal  
Air purity: Normal

Duty Groups

Crane standard: CMAA  
Crane: C  
Machinery standard: CMAA / ASME  
Bridge machinery: CMAA C

Left | Middle | **Right**

Hoist

Hoist model: SX  
Hoist type:  
Reeving type: Single reeved  
Load of hoist: 20000 lbs  
Hoisting speed high / low: A/S / 0 ft/min  
Hoist speed control: 2-speed  
Duty group: ASME H4

Trolley

Trolley type: Double  
Trolley model: One hoist on trolley  
Main-Aux hoist use:  
Trolley speed high / low: 65 / 0 ft/min  
Trolley speed control: CMXC Stepless  
Duty group: CMAA C  
Trolley turned: Normal

Hoist Additional

Bridge

Girder type: Profile  
Bridge speed high / low: 100 / 0 ft/min  
Bridge speed control: CMXC Stepless  
Service platform: No  
Main girder stiffness level: Normal

Crane calculation  
Parameters  
Crane Additional  
Pricing  
Component order  
Undo calculation  
Reset fields  
Print  
Help  
Instructions  
Save/Close  
Crane production:  
Rims  
Show hoist cost  
English  
System of units:  
IIS-units  
e.g. 30'-4 1/8"



## QuoteMaster® User Guide – Calculating “2 Different” hoists, separate trolleys

### Hoist -

#### Main hoist selection:

- Select the **Left** tab if the main hoist was chosen to be on the left.
- Select the main hoist from the list.
- Click the **Right** tab to find the auxiliary hoist.

Technical Calculation - Instructions (Not ready)

General | Building | **Hoists** | Steel Structure | End Carriages and Drives | Electrical Components | Documents and Notes

Left | Middle | Right

Hoist Browsing Criteria

Load of hoist: 100000 Crane HOL: 20'-0" Reeving type: A/S Trolley type: Double

Duty group: ASME H4 Hoist speed control: 2-speed Hoisting speed high / low: A/S / 0

Trolley version: Standard Rail gauge: Standard

Selected Hoist Code: Motor: Load: Duty: Hol: Hoisting spd: Trolley spd: Trolley type: Reeving: Cost:

Hoist Type	Motor	Fr. Lgt	Gauge	Max. Load	Group	Hoi. Height	Hoi. Spd	Trv. Spd	Tro. Typ	Reeving	Costs
SX70620500P6	P6	GF	78.74	100000	H4	21'-3"	12.5/2	65/16	D	C	53716
SX70620500P6	P6	GE	78.74	100000	H4	21'-3"	10/1.5	65/16	D	C	53716
SX70620500P6	P6	HE	78.74	100000	H4	29'-6"	10/1.5	65/16	D	C	56836
SX70620500P6	P6	HF	78.74	100000	H4	29'-6"	12.5/2	65/16	D	C	56836
SX70620500P7	P7	GG	78.74	100000	H4	21'-3"	16/2.4	65/16	D	C	59012
SX70620500P6	P6	JE	94.49	100000	H4	41'-0"	10/1.5	65/16	D	C	60462
SX70620500P6	P6	JF	94.49	100000	H4	41'-0"	12.5/2	65/16	D	C	60462
SX70620500P7	P7	HG	78.74	100000	H4	29'-6"	16/2.4	65/16	D	C	62132
SX70620500P6	P6	KE	106.3	100000	H4	49'-2"	10/1.5	65/16	D	C	63130
SX70620500P6	P6	KF	106.3	100000	H4	49'-2"	12.5/2	65/16	D	C	63130
SX70620500P7	P7	JG	94.49	100000	H4	41'-0"	16/2.4	65/16	D	C	65757
SX70620500P6	P6	LF	122.05	100000	H4	60'-8"	12.5/2	65/16	D	C	67906
SX70620500P6	P6	LE	122.05	100000	H4	60'-8"	10/1.5	65/16	D	C	67906
SX70620500P7	P7	KG	106.3	100000	H4	49'-2"	16/2.4	65/16	D	C	68426

Number of available hoists: 39

Hoist Additional A/S Hoist Select Latest Search Select

Crane calculation  
Parameters  
Crane Additional  
Pricing  
Component order  
Undo calculation  
Reset fields  
Print  
Help  
Instructions  
Save/Close  
Crane production:  
Rms  
 Show hoist cost  
English  
System of units:  
US-units  
e.g. 30'-4 1/8"



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### Hoist -

### Auxiliary hoist selection:

- Select the auxiliary hoist from the list.

Hoist Type	Motor	Fr. Lgt	Gauge	Max. Load	Group	Hoi. Height	Hoi. Spd	Trv. Spd	Tro. Typ	Reeving	Costs
SX50410100P5	P5	DF	55.12	20000	H4	29'-6"	20/3.1	65/16	D	A	15296
SX50410100P5	P5	EF	55.12	20000	H4	39'-4"	20/3.1	65/16	D	A	16363
SX50410100P6	P6	DH	55.12	20000	H4	29'-6"	30/4.9	65/16	D	A	17038
SX50410100P5	P5	FF	66.93	20000	H4	52'-5"	20/3.1	65/16	D	A	17911
SX50410100P7	P7	DJ	55.12	20000	H4	29'-6"	40/6.7	65/16	D	A	18006
SX50410100P6	P6	EH	55.12	20000	H4	39'-4"	30/4.9	65/16	D	A	18105
SX50410100P5	P5	GF	78.74	20000	H4	65'-7"	20/3.1	65/16	D	A	18581
SX50410100P7	P7	EJ	55.12	20000	H4	39'-4"	40/6.7	65/16	D	A	19060
SX50410100P6	P6	FH	66.93	20000	H4	52'-5"	30/4.9	65/16	D	A	19653
SX50410100P7	P7	FJ	66.93	20000	H4	52'-5"	40/6.7	65/16	D	A	19909
SX50420100P5	P5	DF	55.12	20000	H4	13'-1"	20/3.1	65/16	D	C	19976
SX50410100P6	P6	GH	78.74	20000	H4	65'-7"	30/4.9	65/16	D	A	20323
SX50420100P5	P5	EF	55.12	20000	H4	21'-3"	20/3.1	65/16	D	C	20523
SX50410100P7	P7	GJ	78.74	20000	H4	65'-7"	40/6.7	65/16	D	A	20565



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### General -

#### Crane additional features:

- Select “**Crane Additional**” to add any additional features to the crane.

NOTE: Hoist additional features are listed separately from crane additional features.

The screenshot shows the 'Technical Calculation - TEST 2 (Not ready)' window with the following settings:

- General:** Crane Basic Data (Type: QX-D Double girder, Crane range: Standard Delivery, Number of trolleys: 2 Different, Hoist use: I+II, Load of crane: 100000 lbs, Lifting height of crane: 20'-0", Span: 40', Runway rail length: 0'). Environment (Main use: Indoors, Min./Max. ambient temp.: 41 / 104 °F, Humidity: Normal, Air purity: Normal). Duty Groups (Crane standard: CMAA, Crane: C, Machinery standard: CMAA / ASME, Bridge machinery: CMAA C).
- Hoists:** Hoist (Hoist model: SX, Hoist type: [empty], Reeving type: Single reeved, Load of hoist: 100000 lbs, Hoisting speed high / low: A/S / 0 ft/min, Hoist speed control: 2-speed, Duty group: ASME H4). Trolley (Trolley type: Double, Trolley model: One hoist on trolley, Main-Aux hoist use: [empty], Trolley speed high / low: 65 / 0 ft/min, Trolley speed control: CMXC / Stepless, Duty group: CMAA C, Trolley turned: Normal). Hoist Additional (Hoist Additional: [empty]).
- Bridge:** Girder type: Profile, Bridge speed high / low: 100 / 0 ft/min, Bridge speed control: CMXC / Stepless, Service platform: No, Main girder stiffness level: Normal.

The 'Crane Additional' button is highlighted with a red box in the right-hand panel.



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### Print Manager -

#### Drawings:

- The offer drawing for main/aux hoist is available only through DAS. DAS drawings are to scale.
- Check “**Offer drawing**” and then click the “DAS” button.
- Instructions on how to use DAS is available on R&M’s web site [www.rmhoist.com](http://www.rmhoist.com).

