



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

Calculating “two similar” hoists for tandem operation – Hoist I + Hoist II

OR

Calculating “two similar” hoists for main / aux operation – Hoist I or Hoist II

Hoist I



Hoist II





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

### General page –

#### Crane Basic Data specification:

- Select the desired “**Crane type**”.
  - Select the desired “**Crane range**”.
  - Select “**2 Similar**” for the Number of hoists on bridge.
  - Select desired selector switch control method in “**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 appropriate crane capacity  
**Tandem:** Crane capacity = 2 x hoist capacity  
**Main/Aux:** Crane capacity = capacity of main hoist
- Specify the span.

Technical Calculation - TEST 2 (Not ready)

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

Crane Basic Data

Type: QXD Double girder  
Crane range: Quick Delivery  
Number of trolleys: 2 Similar pcs  
Hoist use: I+II  
Load of crane: 40000 lbs  
Lifting height of crane: 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

Hoist

Hoist model: SX  
Hoist type:   
Reeving type: A/S  
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: A/S / 0 ft/min  
Trolley speed control: CMXC / Stepless  
Duty group: CMAA C  
Trolley turned: Normal

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: Rms  
 Show hoist cost  
English  
System of units: US-units  
e.g. 30'-4 1/8"



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

### General page –

#### Hoist specification selections:

- Check the hoist capacity...  
Load of hoist automatically populates to half the crane capacity like it needs to be for tandem hoist operation.  
For main/Aux operation, manually change the load of hoist needed for the main hoist.

Technical Calculation - TEST 2 (Not ready)

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

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"

Crane Basic Data

Type: QxD Double girder  
Crane range: Quick Delivery  
Number of trolleys: 2 Similar pcs  
Hoist use: I+II  
Load of crane: 40000 lbs  
Lifting height of crane: 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: A/S  
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: A/S / 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



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

### General page –

#### Hoist specification selections:

- Select “**Hoist Additional**s” to add additional hoist features.
- For “2 similar” hoists, the system will add hoist additional features to both hoists when they are selected.
- Select “**Crane Additional**s” to add crane additional features.

NOTE: Hoist Additional features are listed separately from Crane Additional features.

Technical Calculation - TEST 2 (Not ready)

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

Crane Basic Data

Type: QXD Double girder

Crane range: Quick Delivery

Number of trolleys: **2 Similar** pcs

Hoist use: I+II

Load of crane: 40000 lbs

Lifting height of crane: 0"

Span: 40'

Runway rail length: 0"

Environment

Main use: Indoors

Min./Max. ambient temp.: 41 / 104 °F

Humidity: Normal

Air purity: Normal

Parameters | Additional

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: A/S

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: A/S / 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:

Firms

Show hoist cost

English

System of units:

US-units

e.g. 30'-4 1/8"



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

### Hoist page -

#### Hoist selection:

- Select the hoist from the list.
- For “2 similar” hoists, only one hoist selection is needed.

**Technical Calculation - TEST 2 (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: 20000 Crane HDL: 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: SX50410100P5 Motor: P5 Load: 000 Duty: H4 Hoist: 29'-6" Hoisting spd: 20/3.1 Trolley spd: 65/16 Trolley type: D Reeving: A Cost: 13569

Available Hoists

| 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       | 13569 |
| SX50410100P6 | P5    | EF      | 55.12 | 20000     | H4    | 39'-4"      | 20/3.1   | 65/16    | D        | A       | 14516 |
| SX50410100P6 | P6    | DH      | 55.12 | 20000     | H4    | 29'-6"      | 30/4.9   | 65/16    | D        | A       | 15115 |
| SX50410100P6 | P6    | EH      | 55.12 | 20000     | H4    | 39'-4"      | 30/4.9   | 65/16    | D        | A       | 16061 |
| SX50610150P5 | P5    | FF      | 78.74 | 30000     | H4    | 32'-9"      | 12.5/1.9 | 65/16    | D        | A       | 22783 |
| SX50610120P6 | P6    | FH      | 78.74 | 24000     | H4*   | 32'-9"      | 20/3.1   | 65/16    | D        | A       | 24182 |
| SX50610150P6 | P6    | HH      | 78.74 | 30000     | H4    | 32'-9"      | 20/3.1   | 65/16    | D        | A       | 24328 |
| SX50810160P6 | P6    | FH      | 78.74 | 30000     | H4    | 26'-2"      | 16/2.4   | 65/16    | D        | A       | 26804 |
| SX60610200P6 | P6    | EF      | 66.93 | 40000     | H4*   | 29'-6"      | 12.5/2   | 65/16    | D        | A       | 29652 |
| SX60610200P6 | P6    | EE      | 66.93 | 40000     | H4*   | 29'-6"      | 10/1.5   | 65/16    | D        | A       | 29652 |
| SX60610200P6 | P6    | FF      | 78.74 | 40000     | H4*   | 39'-4"      | 12.5/2   | 65/16    | D        | A       | 30211 |
| SX60610200P6 | P6    | FE      | 78.74 | 40000     | H4*   | 39'-4"      | 10/1.5   | 65/16    | D        | A       | 30211 |

Number of available hoists: 12

Hoist Additional A/S Hoist Select Latest Search Select

Crane calculation  
Parameters  
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