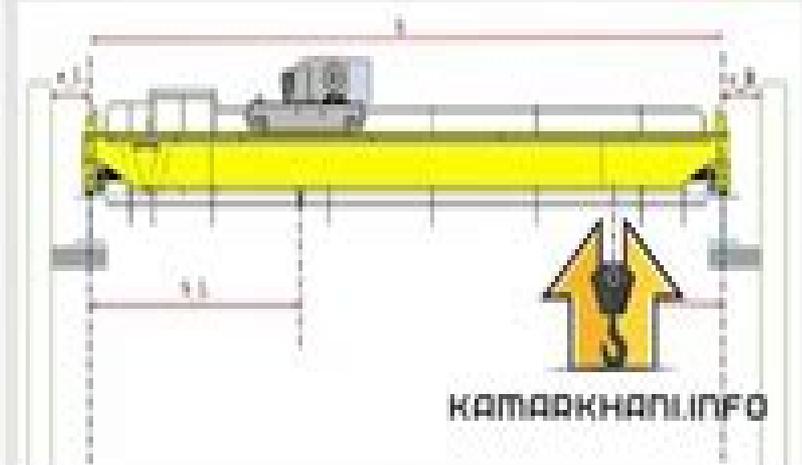
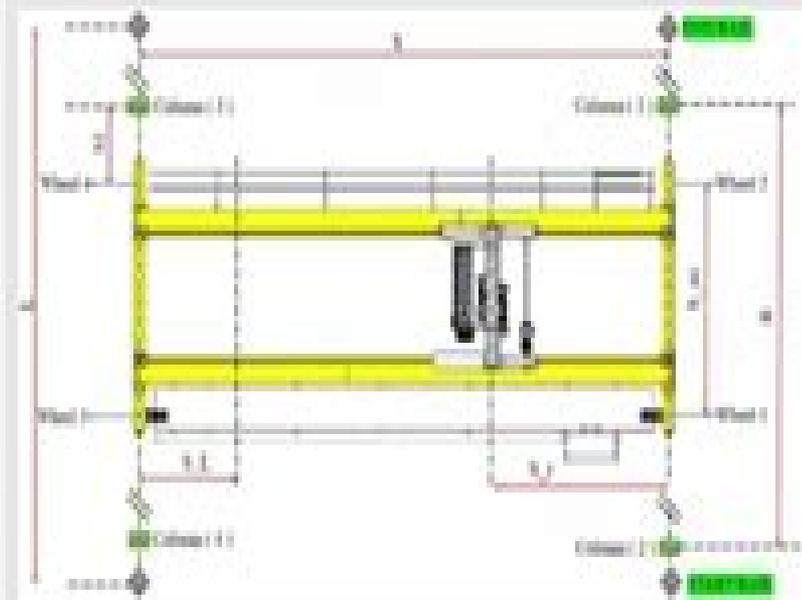


# Calculation

## Wheel load for Overhead crane Double Girder



Input Data		
W <sub>RC</sub>	Crane rate Capacity	KG
S	Crane Bridge Span	mm
W <sub>DT</sub>	Total Weight Crane Without Trolley	KG
W <sub>DT</sub>	Trolley + hoist Weight	KG
S <sub>EC</sub>	Wheel Base End Cargage	mm
L	Crane Runway Beam Span	mm
B	Space between Two Column Half Support	mm
n	Number wheel End Cargage	---
Rail <sub>w</sub>	Weight for one meter Rail Traveling	KG
Beam <sub>w</sub>	Weight for one meter Beam Half	KG
DT	Space Between column RT and wheel End	mm
S <sub>L</sub>	Min Hook Approach Left	mm
S <sub>R</sub>	Min Hook Approach Right	mm
e <sub>L</sub>	Runway CL to col CL dist Right	mm
e <sub>R</sub>	Runway CL to col CL dist left	mm
D	Dynamic Factor	



Result Data				
Parameter	Value	Wheel Status	Wheel	Unit
P <sub>max</sub>	<math>W_{RC}</math>	Minimum	1	KN
	<math>W_{RC}</math>	Minimum	2	KN
	---	Maximum	3	---
	---	Maximum	4	---
P <sub>min</sub>	---	Minimum	1	---
	---	Minimum	2	---
	<math>W_{RC}</math>	Maximum	3	KN
	<math>W_{RC}</math>	Maximum	4	KN

Wheel Load

# Wheel Load Calculation For Double Girder Crane

**L Manion**



## **Wheel Load Calculation For Double Girder Crane:**

Handbook of Port Machinery Dexin Tao, Yunfu Yan, Dashan Dong, Dewen Zhang, 2024-03-19 The CCMS Handbook of Port Machinery is an extensive reference guide intended to meet the needs of port handling machinery users and port planning and design institutes with regard to equipment selection equipment application and maintenance management It comprehensively and systematically introduces readers to the characteristics classification structure working principles main technical performance parameters corresponding technical standards and matters requiring special attention in equipment selection for typical port handling machinery The handbook supplements relevant handbooks on port machinery product design specifications and provides essential technical guidance to help users fully understand and correctly select port machinery and equipment At the same time it offers a valuable resource for technical personnel university teachers and students who are engaged in port planning and design handling process design port machinery product design port machinery use and maintenance A comprehensive guide to port handling machinery it reflects the current state of development and application status of port machinery in China

**The Draughtsman**, 1921 **American Machinist**, 1900

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