



# MECHANICAL PARTS



# CRANE WHEELS

Manufactured from carbon or alloy steels.  
 Available in a wide range of standard sizes.  
 Non-standard size wheels are also available.  
 Available in any surface hardness up to 60 Rc.  
 Also able to be Deep Hardened.

## SPECIFICATIONS

G.W. Becker Inc. has the capabilities to machine industrial & mill duty crane wheels to meet your specifications.

Dimensions required for ordering wheels.

Complete the section below and contact us for pricing and availability.



P: \_\_\_\_\_  
 L: \_\_\_\_\_  
 E: \_\_\_\_\_  
 O.D.: \_\_\_\_\_  
 D: \_\_\_\_\_  
 O: \_\_\_\_\_  
 TREAD:  Straight  Tapered

# LOAD BLOCKS

Custom manufactured wire rope load blocks to fit your lifting requirements; sheave configuration, capacity and reeving.

## STANDARD FEATURES

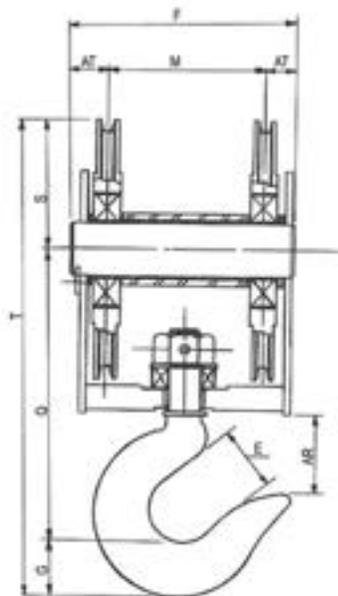
- Forged hook with safety latch.
- Machined steel sheaves.
- Welded steel construction.
- Roller bearings for smooth rotation.
- Lubrication fittings for hook and sheave bearings.

## SPECIFICATIONS

G.W. Becker Inc. has the capabilities to machine industrial & mill duty load blocks to meet your specifications.

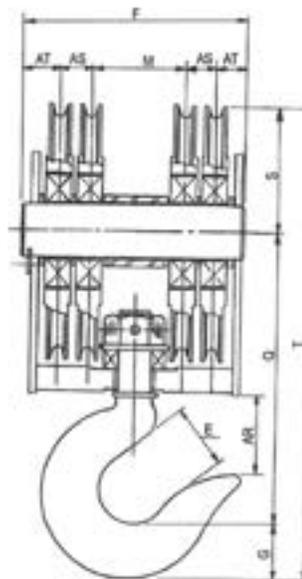
Dimensions required for ordering load blocks.

Complete the section below and contact us for pricing and availability.



### 2 PART DOUBLE

F: \_\_\_\_\_  
 M: \_\_\_\_\_  
 AT: \_\_\_\_\_  
 T: \_\_\_\_\_  
 S: \_\_\_\_\_  
 Q: \_\_\_\_\_  
 G: \_\_\_\_\_  
 E: \_\_\_\_\_  
 AR: \_\_\_\_\_



### 4 PART DOUBLE

F: \_\_\_\_\_  
 M: \_\_\_\_\_  
 AT: \_\_\_\_\_  
 AS: \_\_\_\_\_  
 T: \_\_\_\_\_  
 S: \_\_\_\_\_  
 Q: \_\_\_\_\_  
 G: \_\_\_\_\_  
 E: \_\_\_\_\_  
 AR: \_\_\_\_\_

# BRAKE WHEELS

## SURPLUS DIMENSIONS

### ELECTRIC AISE

MOTOR FRAME	BRAKE DIAMETER	DIMENSIONS IN INCHES					
		B TAPERED	KEYWAY		H	O	F
			WIDTH	DEPTH			
402-802-802	8"	1.75	0.50	0.25	3.00	4.00	3.25
803-803-804-804		2.00	0.50	0.25	3.50	4.00	3.25
806		2.50	0.50	0.25	4.00	4.00	3.25
402-802-802	10"	1.75	0.50	0.25	3.00	4.25	3.75
803-803-804-804		2.00	0.50	0.25	3.50	4.25	3.75
806-806		2.50	0.50	0.25	4.00	4.25	3.75
608	13"	3.00	0.75	0.25	4.50	4.25	3.75
803-803-804-804		2.00	0.50	0.25	3.50	5.00	5.75
806-806		2.50	0.50	0.25	4.00	5.00	5.75
808-808	15"	3.00	0.75	0.25	4.50	5.38	5.75
810-810		3.25	0.75	0.25	4.50	5.38	5.75
812-812		3.63	0.75	0.38	5.00	5.38	5.75
814	18"	4.25	1.00	0.25	5.00	5.38	5.75
806-806		2.50	0.50	0.25	4.00	6.50	6.75
808-808		3.00	0.75	0.25	4.50	6.50	6.75
810-810	19"	3.25	0.75	0.25	4.50	6.50	6.75
812-812		3.63	0.75	0.25	5.00	6.50	6.75
814-814		4.25	1.00	0.38	5.00	6.50	6.75
816-816	22"	4.63	1.25	0.38	5.50	6.50	6.75
808-808		3.00	0.75	0.25	4.50	7.50	6.75
810-810		3.25	0.75	0.25	4.50	7.50	6.75
812-812	23"	3.63	0.75	0.25	5.00	7.50	6.75
814-814		4.25	1.00	0.38	5.00	7.50	6.75
816-816		4.63	1.25	0.38	5.50	7.50	6.75
818-818	24"	5.00	1.25	0.50	6.00	7.50	6.75
820		5.88	1.50	0.75	6.75	7.50	6.75
812-812		3.63	0.75	0.25	5.00	8.25	11.25
814-814	25"	4.25	1.00	0.38	5.00	8.25	11.25
816-816		4.63	1.25	0.38	5.50	8.25	11.25
818-818		5.00	1.25	0.50	6.00	8.75	11.25
820	26"	5.88	1.50	0.75	6.75	8.75	11.25
822		6.25	1.50	0.75	7.25	8.75	11.25
824		7.00	1.50	0.75	8.25	8.75	11.25

### HYDRAULIC

MOTOR FRAME	BRAKE DIAMETER	DIMENSIONS IN INCHES					
		B TAPERED BORE	KEYWAY		H	O	F
			WIDTH	DEPTH			
802-802-AC12.4	8"	1.75	0.50	0.25	3.00	3.12	3.25
802-802-AC12.4		1.75	0.50	0.25	3.00	3.12	3.25
803-804-803-804		2.00	0.50	0.25	0.35	3.12	3.25
802-802-AC12.4	10"	1.75	0.50	0.25	3.00	3.12	4.25
803-804-803-804		2.00	0.50	0.25	3.50	3.12	4.25
806-806-AC8-AC12		2.50	0.50	0.25	4.00	3.12	4.25
808-808	13"	3.00	0.75	0.25	4.50	3.12	4.25
810-810-AC18		3.25	0.75	0.25	4.50	3.12	4.25
812-812-AC25-AC30		3.63	0.75	0.25	5.00	3.12	4.25
806-806-AC8-AC12	14"	2.50	0.50	0.25	4.00	4.25	6.50
808-808		3.00	0.75	0.25	4.50	4.25	6.50
810-810-AC18		3.25	0.75	0.25	4.50	4.25	6.50
812-812-AC25-AC30	18"	3.625	0.75	0.25	5.00	4.25	6.50
806-806-AC8-AC12		2.50	0.50	0.25	4.00	5.25	8.50
808-808		3.00	0.75	0.25	4.50	5.25	8.50
810-810-AC18	19"	3.25	0.75	0.25	4.50	5.25	8.50
812-812-AC25-AC30		3.625	0.75	0.25	5.00	5.25	8.50
814-814-AC40-AC50		4.25	1.00	0.375	5.00	5.25	8.50
816-816	22"	4.62	1.25	0.375	5.50	5.25	8.50
818-818		5.00	1.25	0.50	6.00	5.25	8.50

## STANDARD FEATURES

- Manufactured from ductile iron
- Completely machined to provide proper balance at normal speeds
- Resistant to scoring
- Wears smoothly and evenly
- Good compatibility with friction materials
- Semi-finished with rough pilot bore

## OPTIONAL FEATURES

- Straight bore and keyway
- Taper bore and keyway
- Lockwasher slot
- Special materials
- Deep carburizing
- Dynamic balancing
- Non-destructive testing
- Brake wheel couplings available upon request

An extra charge may be required for wheels that cannot be machined from the standard wheel castings or for wheels that do not match the standard electric/hydraulic brake wheels. Consult factory for pricing.

For machining special wheel bores and keyways, give complete shaft data.

- For tapered shafts, don't forget the "taper per foot" on diameter. Tapered bores will have a tolerance of -0.005 inch. The standard taper is 1.250 inches per foot on diameter.
- For straight bores provide complete keyway dimensions and advise if gib key, or keeper plate will be used to hold wheel onto shaft.
- For standard AISE-NEMA DC or AC wound rotor motors, only the motor information is required.
- For NON-STANDARD motors and special wheels, please complete the specification sheet.

Standard straight bores are manufactured within a tolerance of -0.001 inch. The keyway tolerance is +0.005 inch on the width and +0.016 inch on the depth.

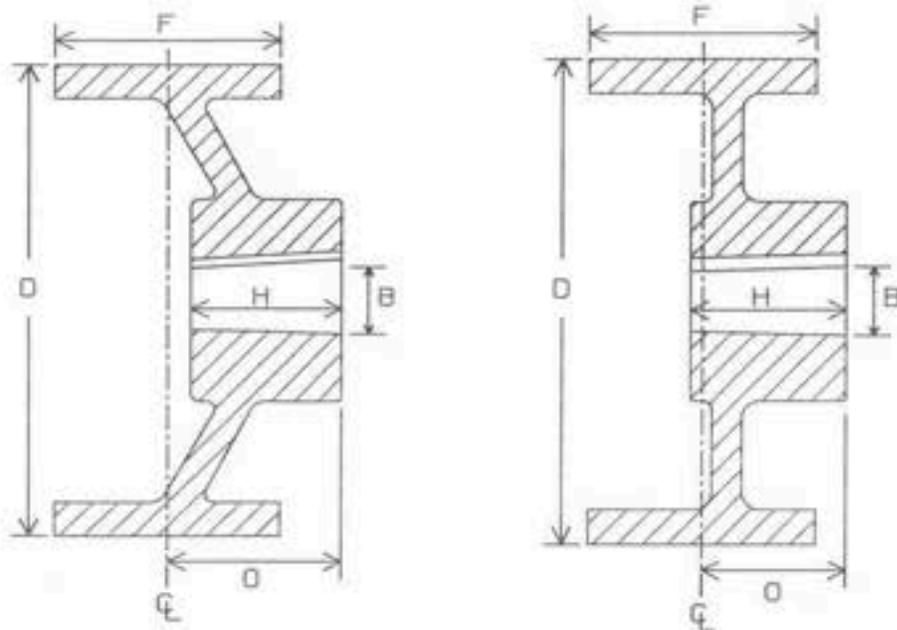
# BRAKE WHEELS

## MACHING & FABRICATING SPECIFICATIONS

G.W. Becker Inc. has the capabilities to machine industrial & mill duty brake wheels to meet your specifications.

Dimensions required for ordering brake wheels..

Complete the section below and contact us for pricing and availability.



## BASIC WHEEL DIMENSIONS

"D" WHEEL DIAMETER	"F" FACE WIDTH	"O" HUB OFFSET	"H" HUB LENGTH	"B" BORE DIAMETER	BORE TAPER IN/FT ON DIAMETER	"S" KEYWAY WIDTH	"T" KEYWAY DEPTH

### Options

- Balancing
- Carburizing
- Lockwasher Slot
- Non-Destructive Testing
- Other Materials \_\_\_\_\_ (Specify)

# SHEAVES

## SURPLUS DIMENSIONS

These are the dimensions for the sheaves we currently have in stock in our Surplus Equipment Warehouse. Use the chart below to identify the appropriate Surplus Inventory #.

## STANDARD FEATURES

- The most complete line of sheaves for hoisting.
- Custom machined wire rope sheave to your desired measurements or OEM Specifications.
- Manufactured sheaves from Grey Iron Castings and from Billets of 4130, 4140 or 4145 Heat Treated Material.

SW	Pitch DIA A	Sheave Pin DIA AP	Bore DIA B	Rope DIA	Outside DIA D	Root DIA RD
486	8.938	-	6.625	0.563	10.000	8.375
382	10.375	N/A	6.625	0.563	13.500	9.813
380	10.375	2.245	2.996	0.375	11.500	10.000
379	10.500	1.725	2.997	0.500	11.500	10.000
378	10.500	2.502	3.220	0.500	11.500	10.000
377	10.500	2.250	3.006	0.500	11.500	10.000
381	11.438	N/A	6.625	0.563	13.500	10.875
385	11.363	N/A	6.688	0.563	13.500	11.000
383	12.313	N/A	6.750	0.563	13.500	11.750
398	12.625	N/A	4.029	0.750	14.375	11.875
399	12.625	N/A	4.013	0.750	14.375	11.875
384	13.375	N/A	6.688	0.563	14.750	12.813
388	14.000	N/A	3.000	0.688	16.250	13.313
389	14.625	N/A	4.736	0.625	15.938	14.000
392	14.625	2.313	4.735	0.625	15.875	14.000
393	14.688	2.313	4.739	0.688	15.938	14.000
390	14.688	2.375	4.743	0.688	15.938	14.000
391	14.688	2.313	4.737	0.688	15.938	14.000
387	15.000	-	3.000	0.688	16.250	14.313
386	15.125	1.365	3.150	0.563	16.188	14.563
394	16.500	N/A	3.778	0.625	19.000	15.875
395	16.750	N/A	3.738	0.813	18.063	15.938
396	16.813	3.007	4.745	0.813	18.000	16.000
504	18.875	-	4.875	0.625	20.250	18.250
480	22.250	5.563	7.813	0.750	24.000	21.500
502	22.375	4.750	7.750	0.875	24.250	21.500
503	22.375	4.750	7.750	0.875	24.125	21.500
478	22.375	5.000	7.750	0.750	24.000	21.625
476	22.625	5.500	7.750	0.750	24.000	21.875
474	22.625	5.563	7.750	0.750	24.000	21.875
479	23.438	5.625	7.813	0.750	25.500	22.688
481	23.625	5.563	7.813	0.875	25.500	22.750
477	24.000	5.500	7.750	0.750	25.563	23.250
475	24.035	5.625	7.750	0.750	25.500	23.285
485	26.250	5.000	6.500	0.875	27.938	25.375
482	26.250	5.000	6.500	0.875	27.875	25.375
483	26.250	5.000	6.500	0.875	28.000	25.375
484	26.250	5.000	6.500	0.875	28.000	25.375
501	26.375	-	7.188	0.875	28.250	25.500

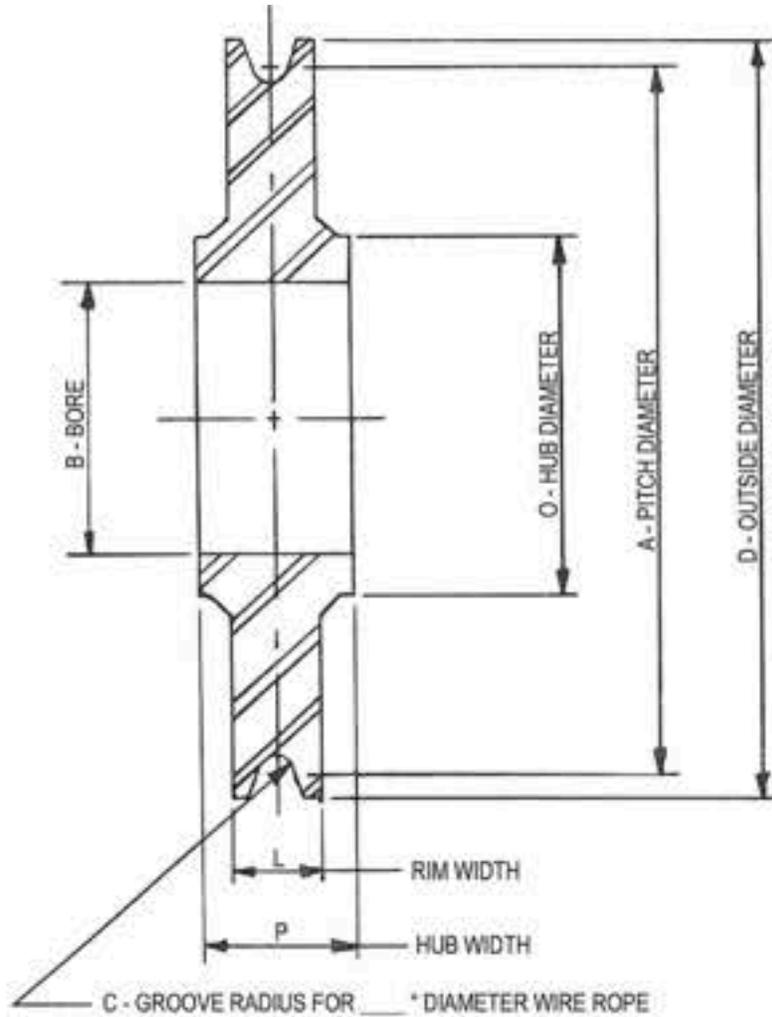
# SHEAVES

## SPECIFICATIONS

G.W. Becker Inc. has the capabilities to machine industrial & mill duty sheaves to meet your specifications.

Dimensions required for ordering sheaves.

Complete the section below and contact us for pricing and availability.



B: \_\_\_\_\_  
 O: \_\_\_\_\_  
 A: \_\_\_\_\_  
 D: \_\_\_\_\_  
 L: \_\_\_\_\_  
 P: \_\_\_\_\_  
 C: \_\_\_\_\_

Rope Diameter: \_\_\_\_\_

Special Requirements:

# SHANK HOOKS

## SURPLUS STANDARD FEATURES

- The most complete line of industrial & mill duty hooks
- Available 3/4 to 300 tons
- Load rating code stamped on each hook
- Quenched and tempered
- Available in carbon steel, alloy steel and bronze
- Proper design, careful forging and precision controlled quench and tempering give maximum strength without excessive weight and bulk
- Every hook has a pre-drilled cam which can be equipped with a latch
- Finished machining available
  - Special block configurations
  - Hook threading
  - Nut ready for easy assembly with pre-drilled locking pin hole
- Also available are custom-built, heavy-duty safety latches and thrust bearings

## DIMENSIONS

These are the dimensions for the hooks we currently have in stock in our Surplus Equipment Warehouse. Use the chart below to identify the appropriate Surplus Inventory #.

Surplus Inventory SI #	Capacity (US Ton)	Dimensions (Inches)				
		D	E	R	X	AA
SI-423		20.00	4.50	21.25	11.63	3.46
SI-424		6.50	6.50	17.75	11.00	4.25
SI-425	52	18.50	5.75	15.75	5.12	2.50
SI-426	26	3.62	4.00	9.5	5.38	2.50
SI-427	24	16.00	4.50	10	6.88	2.75
SI-429	20	15.00	4.62	9.75	6.88	-
SI-453		18.50	-	15.75	10.5	3.88
SI-430	15	8.38	-	6.38	4.38	1.75
SI-431		6.88	1.00	5.12	2.75	1.38
SI-432	20	13.62	-	9.44	4.50	1.75
SI-433	20	13.62	-	9.44	4.50	1.75
SI-434		10.19	3.30	8.14	4.62	2.062
SI-435		13.25	4.25	11	8.00	2.25
SI-436		13.75	4.25	11	7.25	2.25
SI-437		12.62	3.50	12.12	6.88	2.50
SI-438		12.50	4.00	8.88	9.00	2.25
SI-439		13.00	4.75	9.25	4.5	2.50
SI-440		12.00	3.88	9	6.00	2.00
SI-441	26	13.62	4.00	9.44	5.50	1.88
SI-442	26	13.62	4.00	9.44	5.50	1.88
SI-443	15	10.34	3.41	8.14	3.62	-
SI-444	21	10.34	3.41	8.14	4.75	2.072
SI-445		9.50	3.38	10.38	5.50	1.88
SI-446	21	10.34	3.41	8.14	5.50	2.00
SI-447		15.00		10.5	8.75	-

Surplus Inventory SI #	Capacity (US Ton)	Dimensions (Inches)				
		D	E	R	X	AA
SI-422	26	13.62	4.00	9.44	14.25	2.38
SI-448	20	13.62	4.00	9.44	5.38	2.50
SI-449		10.19	3.30	8.14	4.62	2.062
SI-450		10.19	3.30	7.88	4.62	2.06
SI-451	6	6.28	1.78	4.77	3.25	1.25
SI-452		14.00	4.25	9.25	10.25	2.25
20596-07	11	7.54	2.41	5.88	*	*
20596-08	15	8.38	2.62	6.38	*	*
20596-09	21	10.34	3.41	8.14	*	*
20596-10	26	13.62	4.00	9.44	*	*
20596-12	32	14.06	4.25	12.5	*	*
20596-14	39	15.44	4.75	14	*	*
20596-16	52	18.50	5.75	15.75	*	*

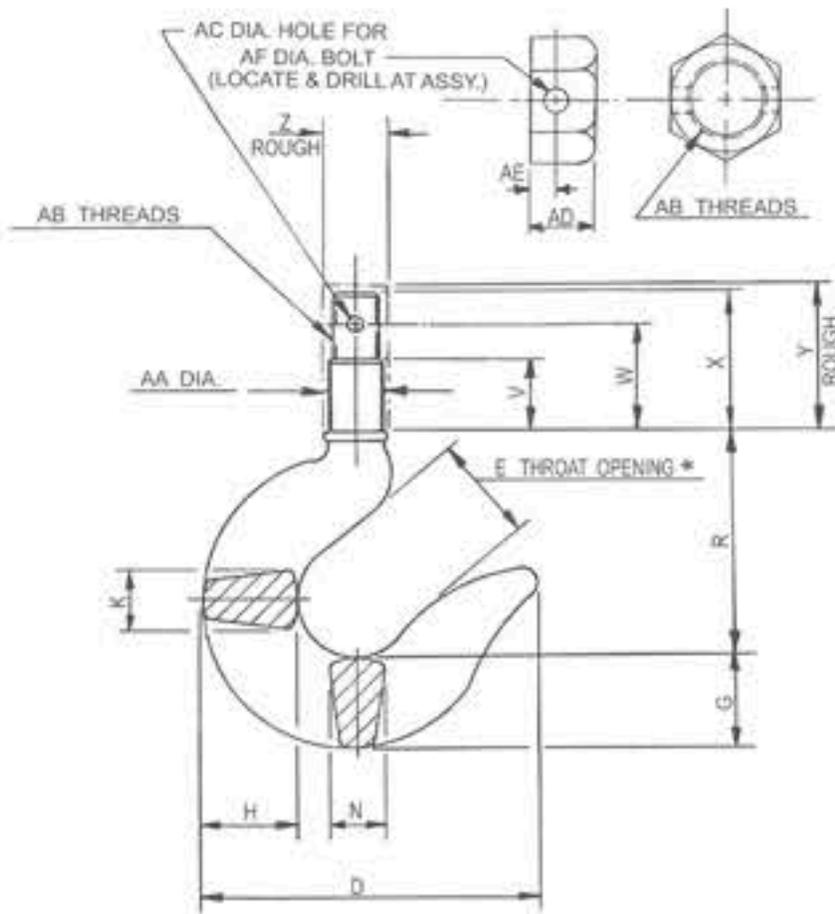
# SHANK HOOKS

## MACHINE & FABRICATION SPECIFICATIONS

G.W. Becker Inc. has the capabilities to machine industrial & mill duty hooks to meet your specifications.

Dimensions required for ordering sheaves.

Complete the section below and contact us for pricing and availability.



Z: \_\_\_\_\_  
 AB: \_\_\_\_\_  
 AA: \_\_\_\_\_  
 K: \_\_\_\_\_  
 H: \_\_\_\_\_  
 N: \_\_\_\_\_  
 D: \_\_\_\_\_  
 E: \_\_\_\_\_  
 R: \_\_\_\_\_  
 G: \_\_\_\_\_  
 V: \_\_\_\_\_  
 W: \_\_\_\_\_  
 X: \_\_\_\_\_  
 Y: \_\_\_\_\_  
 AD: \_\_\_\_\_  
 AE: \_\_\_\_\_  
 AQ: \_\_\_\_\_

\*Throat opening without safety latch, with safety latch this dimension is AQ.

Hook equipped with latch?  Yes  No

Type of latch:  Spring  Gravity  Bullard

Special Requirements: \_\_\_\_\_

# MECHANICAL PARTS

## INDUSTRIES SERVED

- Aeronautical
- Chemical
- Defense
- Fabrication & Machining
- Mining
- Oil & Gas
- Specialty Metals
- Steel – Primary & Secondary
- Tool & Die
- Warehousing
- & More!

## ENGINEERING

- Mechanical, Structural, and Electrical Expertise
- Asset Management, Design & Analysis

## MANUFACTURING SPACE

- 72,000 SF Facility – 50 Ton Lifting Capacity

## PARTS

- Parts Available for all Makes and Models
- Authorized Parts Distributor of CM, Shaw-Box, YALE, Budgit, Coffing, R&M, ACCO, Detroit, Gorbelt & More

## CRANES AND HOISTS

- Custom Cranes and Material Handling Equipment for Most Applications
- Standard Pre-Engineered Packaged Cranes
- Full Line of Hoists
- Crane and Hoist Types
  - Double, Single & Mono-box Girder
  - Gantry
  - Patented Track System
  - Jib
  - Monorail
  - Workstation

## SERVICE

- Inspections
- Preventive Maintenance
- Runway Surveys and Inspections
- Installation/Commissioning/Load Testing
- Teardown and Evaluations
- Emergency Service Abilities
- Retrofit, Modernizations and Upgrades
- Overhead Crane Operator Training



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