



Give your Operations the “Irwin Advantage” and Let Irwin Car Maximize your Productivity and Keep your Operations On-Track!

Managing your operating costs, minimizing down time and maximizing your productivity remain the key to your success in any production environment.

Turn to the experts at Irwin Car and Equipment, where our 125+ years of experience in manufacturing the most rugged and reliable rail-based and rubber-tired material handling equipment will keep you up and running and your operations on-track. From gantry crane bogies and locomotives to transfer car systems and AGV's, Irwin has the solutions you need to optimize your operations and facility.

Put the Irwin Car advantage to work for you today:

- > Crane Wheels and Sheaves from 6" to 40" and up
- > Capacities to 100 Tons per wheel and up
- > Complete Crane Wheel & Industrial Assemblies
- > Gantry Crane Bogies and Custom Equipment
- > Marine Duty Wheel Assemblies for Runways and Dry Docks
- > Transporters & AGV's
- > Locomotives and Transfer Car Systems
- > Plug & play retrofits, replacement units and aftermarket parts

For over 125 years, we've been keeping industry on-track with:

- > The quickest deliveries and turnaround times in the industry
- > Expert service & technical support
- > High quality, state-of-the art QC inspection, NDE tested products certified for any industry or application
- > Replacement parts for hard to find, antiquated or foreign made cranes and equipment
- > 100% Made in the USA components, parts and equipment

Gain the “Irwin Advantage” for your facility for maximum productivity, minimum costs, unparalleled ROI and the industry's best combination of service, know-how and inventory.

Call David Fitzpatrick at 724-864-8900, e-mail dfitzpatrick@irwincar.com or visit www.irwincar.com



IRWIN CAR AND EQUIPMENT

Irwin Car and Equipment

9953 Broadway - Rt. 993 - PO Box 409
Irwin, PA 15642 USA



Phone: 724 - 864 - 8900

Fax 724 - 864 - 8909

www.irwincar.com

Industrial Sales Application Worksheet

Transfer Cars, Furnace Cars, Ladle & Scrap Cars & Industrial Wheel Assemblies

Customer	_____	Phone	_____
Contact	_____	Fax	_____
Payload	_____	E-mail	_____
Reference	_____	Date	_____

Application Notes, Questions & Details

Type of Car: _____

Quantity Required: _____

Capacity (Gross): _____

Est. # of Wheels: _____

Length x Width: _____

Deck Height / Overall Height: _____

Self-Propelled (Y or N): _____

If Yes, specify
type of drive: _____

Travel Distance: _____

Travel Speed: _____

Automation Requirements: _____

Track Gauge: _____

Negotiate Curves in Tracks (Y/N): _____

If Yes, what radius?: _____

Environment: _____

Ambient Temp: _____

Special Controls: _____

Power Source (AC, Battery, Diesel, Propane, Air, etc): _____

Frequency of Operation: _____

Safety Features Required: _____

Special Features or Options: _____

Target Delivery: _____



*Chances are, we have already
solved your problem!*



Get the Irwin Advantage



"Moving heavy industry in the right direction and keeping our customers on track for over 125 years with quality engineered products, expert technical support and service."

Contact: David J. Fitzpatrick, Senior Vice President
P: 724-864-8900 x 116 dfitzpatrick@irwincar.com



CRANE WHEEL RAPID FAX QUOTE FORM

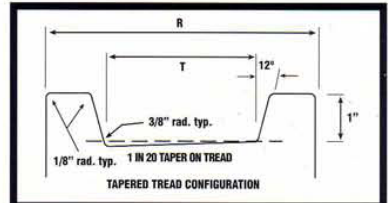
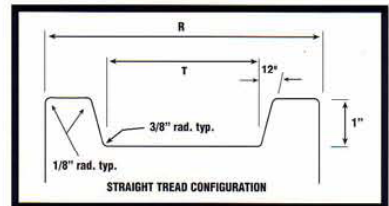
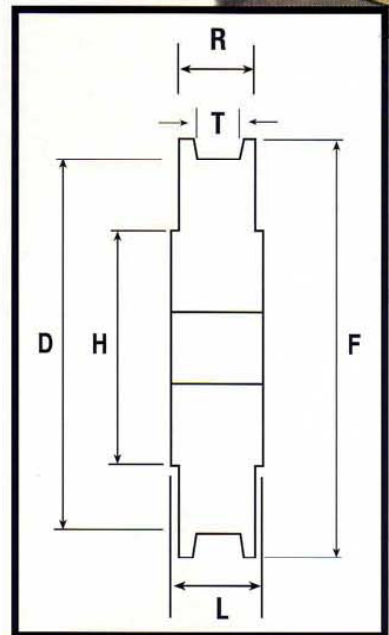
Please fill in the dimensions you require, the quantities, hardness, etc., and we will provide the specific wheel you require for your application.

Company Name _____ Contact Name _____

Phone _____ Fax _____ E-mail _____

Irwin Car and Equipment Standard Crane Wheel Cross Reference Chart

Standard Wheel Section Number	Irwin Car Wheel Interchange Number	Wheel or Tread Dia.	Flange Diameter	Rim Width Wheel (lbs)	Tread Width	Hub Length	Hub Diameter	Nominal Weight of Finished
WCL-121	ICEW-121	12"	14"	4"	2-1/4"	5"	6"	130
WCL-122	ICEW-122	12"	14"	4-1/2"	2-1/2"	5-1/2"	6"	150
WCL-123	ICEW-123	12"	14"	5"	3"	6"	7"	175
WCL-151	ICEW-151	15"	17"	4"	2-1/4"	5"	8"	205
WCL-152	ICEW-152	15"	17"	4-1/2"	2-1/2"	5-1/2"	8"	230
WCL-153	ICEW-153	15"	17"	5"	3"	6"	8"	250
WC-151	ICECW-151	15"	17"	5-1/2"	3-1/4"	6"	9-1/2"	285
WCL-181	ICEW-181	18"	20"	4-1/2"	2-1/2"	5-1/2"	9"	310
WCL-182	ICEW-182	18"	20"	5"	3"	6"	9"	345
WC-181	ICECW-181	18"	20"	5-1/2"	3-1/4"	6"	10-1/2"	385
WC-182	ICECW-182	18"	20"	6-1/2"	4"	7"	10-1/2"	460
WCL-211	ICEW-211	21"	23"	5"	3"	6"	10"	440
WC-211	ICECW-211	21"	23"	5-1/2"	3-1/4"	6"	11"	455
WC-212	ICECW-212	21"	23"	6-1/2"	4"	7"	11"	560
WC-213	ICECW-213	21"	23"	7-1/2"	4-7/8"	8"	12"	665
WCL-241	ICEW-241	24"	26"	5"	3"	6"	10"	560
WC-241	ICECW-241	24"	26"	5-1/2"	3-1/4"	6"	11-1/2"	575
WC-242	ICECW-242	24"	26"	6-1/2"	4"	7"	11-1/2"	705
WC-243	ICECW-243	24"	26"	7-1/2"	4-7/8"	8"	13-1/2"	845
WC-244	ICECW-244	24"	26"	8"	5-1/2"	8-1/2"	15"	1020
WC-271	ICECW-271	27"	29"	5-1/2"	3-1/4"	6"	11-1/2"	695
WC-272	ICECW-272	27"	29"	6-1/2"	4"	7"	13-1/2"	860
WC-273	ICECW-273	27"	29"	7-1/2"	4-7/8"	8"	13-1/2"	1020
WC-274	ICECW-274	27"	29"	8"	5-1/2"	8-1/2"	15"	1155
WC-301	ICECW-301	30"	32"	6-1/2"	4"	7"	13-1/2"	1005
WC-302	ICECW-302	30"	32"	7-1/2"	4-7/8"	8"	13-1/2"	1200
WC-303	ICECW-303	30"	32"	8"	5-1/2"	8-1/2"	15"	1345
WC-361	ICECW-361	36"	38"	6-1/2"	4"	7"	13-1/2"	1470
WC-362	ICECW-362	36"	38"	7-1/2"	4-7/8"	8"	13-1/2"	1685
WC-363	ICECW-363	36"	38"	8"	5-1/2"	8-1/2"	15"	1910



Material Grades and Wheel Hardness

Standard Irwin Crane Wheel Material	Grades Resulting Hardness Range
AISI C-1045/C-1050	43 to 47 Rc
AISI C-1055/C-1060	50 to 55 Rc
AISI C-1070	58 to 62 Rc

SPECIAL NOTE: Other material grades & hardness ranges are available to match your design requirements.

TECHNICAL NOTE: AISI C-1070 has been replaced with AISI C-1055/1060 steel for most standard wheels.

Quantity Required _____ Hardness Required _____

Tapered or Straight Tread _____ Bore Diameter _____ Keyway _____

Fax to the attention of David Fitzpatrick, VP Industrial Sales at either 724-864-8909 or 412-774-2260 for an immediate quotation! Or, call 724-864-8900 x 116 to discuss your special application or needs.

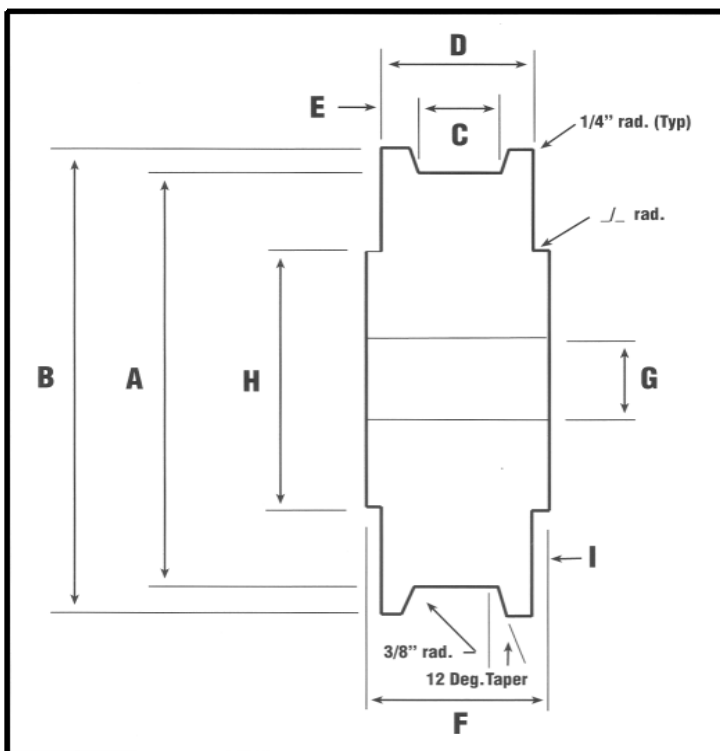


CRANE WHEEL RAPID FAX QUOTE FORM

Please fill in the dimensions you require, the quantities, hardness, etc., and we will provide the specific wheel you require for your application.

Company Name _____ Contact Name _____

Phone _____ Fax _____ E-mail _____



Dimensions (fill in the blanks)

A _____	F _____
B _____	G _____
C _____	H _____
D _____	I _____
E _____	J _____

Irwin Crane Wheel & Steel Wheel Hardness Ranges

- 43 to 47 Rc (400 to 450 Bhn)
- 50 to 55 Rc (500 to 580 Bhn)
- 58 to 62 Rc (630 to 690 Bhn)

Quantity Required _____ Hardness Required _____

Tapered or Straight Tread _____ Bore Diameter _____ Keyway _____

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