

# Industrial Lifting Equipment



# Air Chain Hoists

Air chain hoists are the ideal choice when high speed, high duty-cycle, precision spotting, and the ability to operate in harsh environments are the determining factors. No one knows air chain hoists like Ingersoll Rand.

We offer the broadest range of air chain hoists in the world. This section highlights our offering of production hoists ranging in capacity from 0.125 to 6 metric tons.

The MLK and HLK Series hoists have proven themselves for years in the most difficult environments. The 7700 and 7790 Series hoists are renowned for exceptional speed and load control. The CLK Series hoist offer superior load control and low air consumption.

Our sales team and channel partners are available to help with selection, related accessories, and options to provide the optimal solution to your lifting and positioning challenges. Spare parts and our authorized service centers are there to keep them running in peak condition.

Visit our website at www.ingersollrandproducts.com to see our high-capacity chain hoists (up to 200 metric tons) and other products.

### Choosing the right hoist

Material handling needs differ from application to application. Ingersoll Rand offers numerous hoist types with a range of options that can be matched to meet your specific requirements. When the time comes to select the appropriate hoist for your needs, consider the following criteria:

### Maximum load

Consider the maximum load the hoist will need to accommodate. Ingersoll Rand hoists have weight ratings from 275 lb to 6 tons. Consider hoist speed. The speed requirement of a hoist is dependent on the corresponding cycle time of the task to be performed – lift, transport, lower, return, start again.

#### Installation requirements

Ingersoll Rand hoists, whether hook or trolley, can be mounted on several beam configurations. Compact for low headroom requirements, these hoists can be mounted in areas where others can't.

#### Air supply

To ensure maximum operating performance, Ingersoll Rand rotary-vane air hoists require air supplies that continually provide clean, lubricated air at sufficient pressure and volume. Ingersoll Rand hoists require 90 psig at 32 to 70 scfm.

### **Control method**

Our rotary-vane air hoists control lift and descent by admitting proportional amounts of air to the motor through a valve. Ingersoll Rand offers two control systems:

- 1. Pendent control system a 3-hose pilot pressure / bleed system opens and throttles the valve.
- 2. Pull-chain system operator-controlled pull chains attached to arm open and close the valve.



# 7700 Series and 7790 Series link chain hoists



#### Quality and performance

Ingersoll Rand hoists can be equipped with a variety of optional features that can be matched to the specifications of almost any job. Their long operating life, cost-effective service and maintenance, and dependable performance are supported by a host of standard features.

#### Rotary-vane air motors

These powerful, self-cooling rotary motors keep Ingersoll Rand hoists at peak performance in high-temperature situations. And, because they are air-powered, they further reduce the chance of causing sparks in a volatile environment.

#### **Complete operator control**

A pressure pendent or pull chain puts complete control of the hoist in the operator's hand. These hoists respond immediately to an operator's "inching" commands.

### External brake adjustment

Easily customizes the sensitivity of the hoist to the load range for any application. This results in ease of operation with better spotting, feathering, and overall control.

#### Fast, efficient load handling

Rotary-vane air motors and efficient gearing combine to deliver one of the fastest lift speeds available. Gear ratios have been calculated to yield the lowest possible air consumption.

### Job-matched performance

Numerous options allow Ingersoll Rand hoists to be matched to specific application requirements, including link or roller load chains, hook types, manual and power trolleys, pull chain or pendent control, standard and spark-resistant, and 300-lb to 2-ton capacities.

### **Clean and quiet**

For applications and environments that require clean air, exhaust can be piped away. A two-stage filtration system removes foreign matter from air supplies so motors can operate at peak performance with longer operating lives.

### Easy installation

Lightweight and convenient, Ingersoll Rand hoists are easier to install than any other model. Even in small, confined areas, they can be installed and removed with minimal effort. 19

# 7700 Series and 7790 Series link chain hoists

0.125 to 2 metric ton lifting capacities

### **Continuous heavy-duty applications**

The 7700 and 7790 Series has been designed specifically for heavy-duty industrial applications where loads vary between 275 and 4,400 lb. Simple, rugged, and reliable, these hoists are constructed with few moving parts for easy repair and less downtime. These hoists come complete with 10 feet of standard lift and 6 feet of either pendent control or pull-chain control.

### Features

- Exceptional slow-speed control provides superior "spotting" characteristics
- Powerful, self-cooling rotary motors keep hoists at peak performance in high temperatures
- · Brake control easily adjusts to meet specific load ranges
- Motor and gearing provide faster lift speeds with low air consumption



### 7700 Series and 7790 Series Specifications

	Capacity metric			Hook Mount Headroom		Trolley Mount Headroom		Lifting Speed Rated Load No Load			Lowering Speed Rated Load No Load			Chain	Chain Weight (per foot of lift)		Net Weight w/10 ft of Lift			
Model	lb	tons	# Falls	in	mm	in	mm	ft/min	m/min	ft/min	m/min	ft/min	m/min	ft/min	m/min	Size	lb	kg	lb	kg
7770E	275	0.125	1	17	431.8	16.9	429.3	110	33.5	192	58.5	275	83.8	159	48.5	0.25 x 0.75	0.6	0.3	41	18.6
7718E	550	0.25	1	17	431.8	16.9	429.3	82	25	184	56.1	224	68.3	153	46.6	0.25 x 0.75	0.6	0.3	41	18.6
7756E	1,100	0.50	1	17	431.8	16.9	429.3	41	12.5	72	22	112	34.1	60	18.3	0.25 x 0.75	0.6	0.3	41	18.6
7776E	2,200	1	2	21.7	551.2	20.5	520.7	21	6.4	36	11	56	17.1	30	9.1	0.25 x 0.75	1.7	0.5	53	24
7790A	2,200	1	1	18.9	480.1	15	381	26	7.9	37	11.3	44	13.4	31	9.5	0.312 x 0.858	0.9	0.4	62	28.1
7792A	4,400	2	2	22.4	569	18	457.2	12	3.7	20	6.1	24	7.3	17	5.2	0.312 x 0.858	1.8	0.8	81	36.7

Working pressure from 5 to 7 bar (70 to 100 psi). Air consumption @ rated load - all models 1.98 m (70 cfm). Air inlet 1/2" NPT. Sound level 85 dBA.

### **Trolley Mount Specifications**

	Trolley	Capacity	Min Head	imum droom	Trolley S Rated	Speed at I Load	Air Consu Rated	Imption @ d Load	Trolley Adjus	Flange tment	Minimu Rac	m Curve dius	Air Inlet	Net W w/10 f	/eight t of Lift
Model	type	metric tons	in	mm	ft/min	m/min	ft³/min	m³/min	in	mm	ft	m		lb	kg
7770E	Plain	0.125	17	432	-	-	-	-	2.66-12	68-305	3.5	1.1	-	88	40
	Geared	0.125	17	432	-	-	-	-	2.66-12	68-305	3.5	1.1	-	91	41
	Motor	0.125	17	432	96	30	35	1	2.66-12	68-305	3.5	1.1	1/4	94	13
7718E	Plain	0.25	17	432	-	-	-	-	2.66-12	68-305	3.5	1.1	-	88	40
	Geared	0.25	17	432	-	-	-	-	2.66-12	68-305	3.5	1.1	-	91	41
	Motor	0.25	17	432	95	29	35	1	2.66-12	68-305	3.5	1.1	1/4	94	43
7756E	Plain	0.50	17	432	-	-	-	-	2.66-12	68-305	3.5	1.1	-	88	40
	Geared	0.50	17	432	-	-	-	-	2.66-12	68-305	3.5	1.1	-	91	41
	Motor	0.50	17	432	95	29	35	1	2.66-12	68-305	3.5	1.1	1/4	94	43
7776E	Plain	1	22	559	-	-	-	-	3.25-12	82-305	3.5	1.1	-	100	45
	Geared	1	22	559	-	-	-	-	3.25-12	82-305	3.5	1.1	-	103	47
	Motor	1	22	559	93	28	35	1	3.25-12	82-305	3.5	1.1	1/4	106	48
7790A	Plain	1	15	381	-	-	-	-	3.00-12	76-305	3.5	1.1	-	104	47
	Geared	1	15	381	-	-	-	-	3.00-12	76-305	3.5	1.1	-	107	49
	Motor	1	15	381	93	28	35	1	3.00-12	76-305	3.5	1.1	1/4	110	50
7792A	Plain	2	20	508	-	-	-	-	3.00-12	76-305	3.5	1.1	-	123	56
	Geared	2	20	508	-	-	-	-	3.00-12	76-305	3.5	1.1	-	126	57
	Motor	2	20	508	80	24	35	1	3.00-12	76-305	3.5	1.1	1/4	129	59

Working pressure from 5 to 7 bar (70 to 100 psi).

# 7700 Series and 7790 Series link chain hoists

Spark-resistant models

### **Continuous heavy-duty applications**

7700 Series — 500 to 1,500 lb capacities

#### 7790 Series — 1,500 to 3,000 lb capacities

7700 Series and 7790 Series spark-resistant hoists are designed for Division 1 applications where, under normal operating conditions, the atmosphere contains hazardous concentrations of flammable gases, dust, or other materials.

Specifically engineered for continuous heavy-duty industrial applications — between 500 and 3,000 lb — Ingersoll Rand 7700 Series and 7790 Series spark-resistant hoists are available with bronze top-hook or trolley adapter suspension. These hoists come complete with 10 feet of standard lift and 6 feet of either pendent control or pull-chain control.

### Features

- · Stainless steel load chain and solid bronze hooks prevent accidental sparking
- Pendent control handles, when ordered, are covered with an industrial-grade vinyl grip; pull-chain controls come standard with zinc-plated pull chain
- Hoist capacities are reduced and speed adjustments are locked into place to maximize chain life
- Trolley models are supplied with bronze wheels

### Division 1 and 2 applications

The following definitions may be used as a guide. The actual division distinction for each application must be determined by your local inspecting authority.

## Division 1 (spark-resistant air hoists are required)

Atmospheres containing hazardous concentrations of flammable gases, dusts, or fibers; continuously, frequently, or periodically; under normal operating conditions.

### Division 2 (standard air hoists are required)

Normally non-hazardous atmospheres in which a hazardous concentration of flammable gases, dusts, or fibers occurs when a container or handling system fails or the ventilating system that normally keeps the concentration non-hazardous fails.

7700 Series and 7790 Series Spark-resistant Specifications Hook Mount **Trolley Mount Chain Weight** acity Lifting Lowering Sp Net Weight Headroom No Load Headroom **Rated Load Rated Load** No Load Chain (per foot of lift) w/10 ft of Lift metric Mode lb # Falls in in ft/min m/min ft/min m/min ft/min ft/min Size kg lb kg tons m/min m/min lb mm mm 7712EL 550 0.25 17 431.8 17.1 434.3 50 15.2 80 24.4 70 21.3 53 16.2 0.25 x 0.75 0.6 0.3 41 18.6 1 7714EL 1,500 0.68 2 22.7 576.6 21.3 541 16 4.9 26 7.6 16 4.9 12 3.7 0.25 x 0.75 1.2 0.6 48 21.8 7796AL 1.500 0.68 1 18.9 480.1 15 381 16 4.9 26 7.6 16 4.9 12 3.7 0.312 x 0.858 0.9 0.4 62 28.1 7798AL 2.400 1.1 457.2 12 3.7 12 3.7 9 2.7 0.312 x 0.858 1.9 0.9 36.7 2 22.4 569 18 19 5.8 81 7 7 0.312 x 0.858 7799AL 3,000 1.36 2 22.4 569 18 457.2 2.1 113.4 2.1 5 1.5 1.9 0.9 81 36.7

Working pressure from 5 to 7 bar (70 to 100 psi). Air consumption @ rated load - all models 1.98 m (70 cfm). Air inlet 1/2" NPT. Sound level 85 dBA.

### **Trolley Mount Specifications**

	Trolley	Capacity	Min Hea	imum droom	Trolley Rate	Speed at d Load	Air Consu Rateo	umption @ d Load	Trolley Adjus	Flange tment	Minimu Rad	m Curve dius		Net W w/10 f	leight t of Lift
Model	type	metric tons	in	mm	ft/min	m/min	ft³/min	m³/min	in	mm	ft	m	Air Inlet	lb	kg
7712-EL	Plain	0.25	17	432	-	-	-	-	2.66-12	68-305	3.5	1.1	-	88	40
	Geared	0.25	17	432	-	-	-	-	2.66-12	68-305	3.5	1.1	-	91	41
	Motor	0.25	17	432	96	30	35	1	2.66-12	68-305	3.5	1.1	1/4	94	43
7714EL	Plain	0.68	22	559	-	-	-	-	3.25-12	82-305	3.5	1.1	-	95	43
	Geared	0.68	22	559	-	-	-	-	3.25-12	82-305	3.5	1.1	-	98	45
	Motor	0.68	22	559	93	28	35	1	3.25-12	82-305	3.5	1.1	1/4	101	46
7796AL	Plain	0.68	15	381	-	-	-	-	3.00-12	76-305	3.5	1.1	-	104	47
	Geared	0.68	15	381	-	-	-	-	3.00-12	76-305	3.5	1.1	-	107	49
	Motor	0.68	15	381	93	28	35	1	3.00-12	76-305	3.5	1.1	1/4	110	50
7798AL	Plain	1.1	20	508	-	-	-	-	3.00-12	76-305	3.5	1.1	-	123	56
	Geared	1.1	20	508	-	-	-	-	3.00-12	76-305	3.5	1.1	-	126	57
	Motor	1.1	20	508	93	28	35	1	3.00-12	76-305	3.5	1.1	1/4	129	59
7799AL	Plain	1.4	20	508	-	-	-	-	3.00-12	76-305	3.5	1.1	-	123	56
	Geared	1.4	20	508	-	-	-	-	3.00-12	76-305	3.5	1.1	-	126	57
	Motor	1.4	20	508	84	25	35	1	3.00-12	76-305	3.5	1.1	1/4	129	59

Working pressure from 5 to 7 bar (70 to 100 psi).

# Hoist accessories for 7700 and 7790 Series

### Load chain

Ingersoll Rand hoists are offered with several different load chains. Standard hoists come complete with steel load chains. Spark-resistant hoists come with stainless-steel link load chain.

Chain length	7700 Series (0.25-, 0.50-ton), 7790 Series (1-ton) Length of lift desired + 1 foot = load chain length
Chain length	7700 Series (1-ton), 7790 Series (2-ton) 2 x length of lift desired + 2 feet = load chain length



Hoist Used On	Capacity Ib	Chain Part No.	Chain Size Dia./Pitch	Weight Ib/ft	Feet in Package
ZINC PLATED LINK					
7700 Series	275, 550, 1,100, 2,200	37708	.25 / .75	.6	250
7790 Series	2,200 & 4,400	42988	.312 / .858	.9	250
STAINLESS STEEL LINK					
7700 Series	500, 1,500	39489	.25 / .75	.6	250
7790 Series	1,500, 2,400, 3,000	43095	.312 / .858	.9	250

### **Hose Carrier Trolley**

Easily tracks along same beam that hoist is mounted on. Keeps air hose suspended and out of operator's way. Use one for each 8 feet of hose length.

Part No.	Max Hose O.D. in	Min/Max Beam Height (in)	Min/Max Beam Flange Width (in)
7703	11/4	3-10	2-3/8 - 5
D10-8888			5 - 8-3/4



### **Restraining Cable**

For use as an added safety precaution in hoist suspension. Cable inserts through hole in hoist housing and around I-beam or other structure capable of safely supporting hoist and hoist load weight. Order based upon hoist used.

Used On	No.	in	ft
7700 Series	43231	1/4	2
7790 Series	43059	5/16	3-1/2



43231

# Hoist accessories for 7700 and 7790 Series

### **Chain Baskets**

Catches and stores load chain as load is lifted. Mounts directly to side of hoist. Order based upon load chain length and hoist being used. Load chain length on 1-ton 7700 Series hoists and 2-ton 7790 Series hoists is twice the lift distance.

Load Chain Max Lineal Feet	Link Chain (ı 7700	metal basket) 7790	Link Chain (ca 7700	nvas basket¹) 7790	
10	-	49800 - 10	-	43441 - 1	
12	-	_	-	-	
16	37653 – 16	-	-	-	
20	-	49800 - 20	43554 - 1	43441 - 2	
30	-	49800 - 30	-	-	
32	37653 - 32	_	43554 - 2	-	
40	-	49800 - 40	-	43554 - 3	
56	37653 - 64	-	-	-	
60	-	49800 - 60	-	-	
64	-	-	43554 - 3	-	
80	37653 - 80	49800 - 80	_	-	
59	37653 -100	49800 - 100	-	-	



Metal Canvas Basket Basket

(1) Canvas baskets are made of specially treated oil-resistant material.

### Exhausts

### Piped exhaust<sup>1</sup>

Allows exhaust to be piped to a remote area. This is particularly desirable for applications in food processing, chemicals, and processes where atmospheric purity must be maintained.

How to order: specify as option in Ordering Guide.

### 20308-4 exhaust muffler

Threads into exhaust port to minimize sound level. Can be used on 7700 and 7790 Series hoists ordered with piped exhaust option.

### For field conversion

All 7700 Series hoists may be converted to a piped-away exhaust by ordering 46098-1 Head Assembly.

All 7790 Series hoists (except power trolley models) may be converted to a piped-away exhaust by ordering 43029 Piped Exhaust Adapter.

(1) Hose not included. Exhaust port is 1/2" NPTF.

### **Hoist Controls**

To convert from pull chain to pendent control: Either nylon braid (standard) or steel braid control hose is available. Steel braid hose is recommended to resist heat or abrasion. Specify the model shown, inserting the pendent length in feet for the \*. Maximum 20 feet.

To convert from pendent control to pull chain: Specify 40004-\*, where the \* is pull chain length desired. Also required are two 34026 valve caps; two Y325-116 O-rings; two 38966 springs and one Y227-3 pipe plug per hoist.

Model	Type of Control	Standard Length ft
46094-*	Pendent – nylon braid hose	6
46369-*	Pendent – steel braid hose	6
43106-*	Pendent – nylon braid hose	6
46364-*	Pendent – steel braid hose	6
40004-*	Pull chain	5
	Model   46094-*   46369-*   43106-*   46364-*   40004-*	ModelType of Control46094-*Pendent – nylon braid hose46369-*Pendent – steel braid hose43106-*Pendent – nylon braid hose46364-*Pendent – steel braid hose40004-*Pull chain



## Hoist accessories for 7700 and 7790 Series

### Hooks

Ingersoll Rand offers three different hook configurations designed to meet the needs of any material handling application. All hooks must be ordered separately by specifying model required according to hoist and beam configurations.

### Steel snap-hooks

Steel snap-hooks have a spring-loaded latch to prevent a lifting eye from popping out of the hook while the load is "grounded." This style of self-closing hooks is the most popular as they are easy and inexpensive to replace.

### **Bullard hooks**

Ideal for rough, high-speed, repetitive applications, these hooks employ a swinging gate latch. Far superior in strength to snaphooks, the gate latch locks into place to minimize any chance of the "end effector" or "below-the-hook" attachment leaving the hook.

### Self-Closing latch hooks

Self-closing latch hooks have the benefits of both spring-loaded snap hooks, and Bullard hooks by combining a spring-loaded latch with the strength and durability of the heavier gage Bullard gate.

			Hooks For I	ink Chain			Hooks For R	oller Chain	
Hoist Series	Capacity (lb)	Upper Hook	Hook Opening (in)	Lower Hook	Hook Opening (in)	Upper Hook	Hook Opening (in)	Lower Hook	Hook Opening (in)
STEEL SNAP HOOKS									
7700 Series 0.125, 0.25 and 0.50 ton	275/550/1,100	34921	1-1/8	35014	1	34921	1-1/8	33381-1	1
7700 Series 0.25 ton spark res.	500	35113	1-1/8	46565	1	35113	1-1/8	34655-1	1
7700 Series 1 ton	2,200	34921	1-1/8	45707 <sup>1</sup>	1-1/8	34921	1-1/8	45708 <sup>1</sup>	1-1/8
7700 Series 0.50 ton spark res.	1,000	N/A	-	N/A	-	35113	1-1/8	45710 <sup>1</sup>	1-1/8
7700 Series 0.75 ton spark res.	1,500	35113	1-1/8	45709 <sup>1</sup>	1-1/8	N/A	_	N/A	_
7790 Series 1 ton	2,200	43002	1-1/8	43000	1-1/8	N/A	-	N/A	-
7790 Series 0.75 ton spark res.	1,500	43097	1-1/8	43110	1	N/A	-	N/A	-
7790 Series 2 ton	4,400	43049	1-1/4	43048 <sup>1</sup>	1-1/4	N/A	-	N/A	-
7790 Series 1 ton spark res.	2,400	43096	1-1/4	43101	1-1/4	N/A	-	N/A	-
7790 Series 1.50 ton spark res.	3,000	43096	1-1/4	43101	1-1/4	N/A	-	N/A	-
BULLARD HOOKS									
7700 Series 0.25 and 0.50 ton	550/1,100	35203	1-3/16	35206	1-1/16	35203	1-3/16	35205	1-1/16
7700 Series 1 ton	2,200	35203	1-3/16	45934 <sup>1</sup>	1-3/16	35203	1-3/16	45935 <sup>1</sup>	1-3/16
7790 Series 1 ton	2,200	43458	1-3/16	43456	1-3/16	N/A	-	N/A	-
7790 Series 2 ton	4,400	43459	1-7/16	43460	1-7/16	N/A	_	N/A	-
SELF-CLOSING LATCH HOOKS									
7700 Series 0.125, 0.25 and 0.50 ton	275/550/1100	N/A	_	42799	1-1/2	N/A	-	N/A	-

33381-1

43002

43000

(1) Includes Sheave Block







**EZ Grip Ergo Handle** 

35206

35203

44109

45707

42799

34921



EZG-A269



24

# **Dimensional drawings**

### 7700 Series Air Chain Hoists

Typical headroom dimensions (A) are indicated in dimensional drawings.

**Hook Mounted Trolley Mounted Motorized Trolley Mounted** 14-1/2 - 15-3/4" (368 - 400 mm) 1/8, 1/4 & 1/2 t: 8-15/16" (227 mm) 1 t: 10" (254 mm) 9-10-1/4″ |5" (127 mm) (228 - 260 mm) 1/8, 1/4 & 1/2 t Link: 1/8, 1/4 & 1/2 t Link: 17" (432 mm) min. 16-7/8" (428 mm) min. 1/4 & 1/2 t Roller: 1 t Link: 15-7/8" (403 mm) min. 20-1/2" (521 mm) min 1/4 & 1/2 t Roller: 1 t Link & Roller: 14-3/4" (375 mm) min. в 22-11/16" (551 mm) min. 1/8, 1/4 & 1/2 t: 1" (25 mm) 1 t Roller: 1 t: 1-1/4" (32 mm) 20-1/2" (521 mm) min.  $A^1$ 1/8, 1/4 & 1/2 t: 1" (25 mm) A<sup>1</sup> 1 t: 1-1/4" (32 mm) -10-19/32" (269 mm) -11-21/32" (296 mm)-С 1/8, 1/4 & 1/2 t: 10" (254 mm) 14-3/4" (375 mm) - 1 t: 12-5/8" (321 mm) 10" (254 mm) -ARD 8 2-5/8" (67 mm) 1 1/8, 1/4 & 1/2 t Link: 17-1/8" (435 mm) min. 1 t Link: 21-1/4" (540 mm) min. В 1/4 & 1/2 t Roller 16" (406 mm) min. 1/4 & 1/2 t: 1" (25 mm) 1 t: 1-1/4" (32 mm) 1 t Roller: 21-1/4" (540 mm) min. A +

### Note:

(1) Dimension "A" for the 7700 Series 0.125-, 0.25- and 0.50-ton hoists increases 1 inch for each Bullard hook used.

Basket Capacity (ft)	Hook B	Mt (in) C	Trolley B	Mt (in) C	Motorize B	ed Trly (in) C	Basket Capacity (ft	Hook ) B	Mt (in) C	Trolley B	/ Mt (in) C	Motoriz B	ed Trly (in) C
LINK TYPE							ROLLER TYP	ΡE					
20	21	7.8	21.5	7.8	20.2	7.8	10	25.4	11.2	25.9	11.2	24.9	11.2
32	25.5	7.8	26	7.8	24.7	7.8	16	29.3	14.4	29.8	14.4	28.7	14.4
56	31.5	7.8	32	7.8	30.7	7.8	40	39.9	20.6	40.4	20.6	39.4	20.6

10-19/32 (269)

С

# **Dimensional drawings**

### 7790 Series Air Chain Hoists

Typical headroom dimensions (A) are indicated in dimensional drawings.

### Hook Mounted

### **Trolley Mounted**

### **Motorized Trolley Mounted**





2 t:

7-5/8" (194 mm)

Note:

Headroom dimension for the 7790 Series 1-ton hoist increases 1.25" for each Bullard hook used. Headroom dimension for the 7790 Series 2-ton hoist increases 1.50" for each Bullard hook used.

Air Chain Hoists