

**HARRINGTON**  
HOISTS AND CRANES



 CERTIFIED  
SPARK RESISTANT  
AND LUBE FREE  
**AIR HOISTS**

## **Working Harder For You**




**In 1876, Edwin Harrington dramatically improved the self-sustaining hoist by introducing the worm-gear design. Since then, the company he founded has earned a proud reputation for product innovations and consistent quality that our customers count on to meet their diverse requirements.**

**Over the years we have developed and grown by recognizing the value of our customers and responding to your needs. The daily mission of our organization is to provide you, the customer, with the highest quality in our products, service and support.**

**In addition to our superior products and expanded facilities, we offer a Sales and Customer Service team that is dedicated to serving you, a well qualified Engineering Department to support your technical needs and a full support staff who all know the importance of working together to provide solutions for your material handling projects.**

**We are working harder to be the supplier-of-choice for all of your hoist and crane applications.**



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## AL Series Hoists

### Features

#### **Certified Spark Resistant for Safe Operation**

All hoists are  certified spark resistant (Explosive atmospheres that require features that reduce the risk of spark) to level  II 2GD c T5 IIB T100°C and are in compliance with the EU ATEX Directive. (See page 17 for more information.)



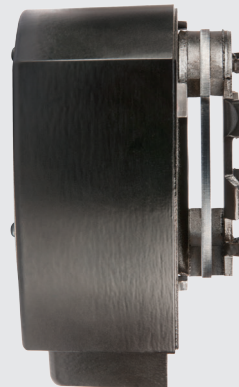
#### **Lubrication Free**

AL series air hoists are suitable for applications where a clean environment is a necessity. The hoists can operate completely dry leaving no lubrication in the exhaust air and are typically used in the food, chemical and pharmaceutical industries. (Note: Hoists can also operate with oil for longer vane life.)



#### **Heavy-Duty Disk Brake**

Harrington's patented self-adjusting disk brake mechanism eliminates load drift and ensures fine feathering control.



#### **Vane Motor**

Permits smooth operation and controlled travel.



### Surface Hardened Steel Load Chain

Zinc-plated and blue-chromated for corrosion resistance and extended wear.



### Bearing Supported Planetary Gearing System

For continuous operation at full load.



### Lightweight and Compact Body

Allows for easy operation, transportation and provides exceptional headroom.



### Hook and Latch System

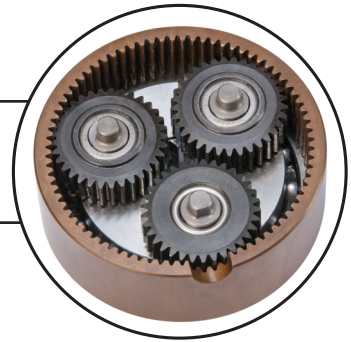
Zinc-plated and blue-chromated and swivel 360 degrees.



## AL Series Hoists

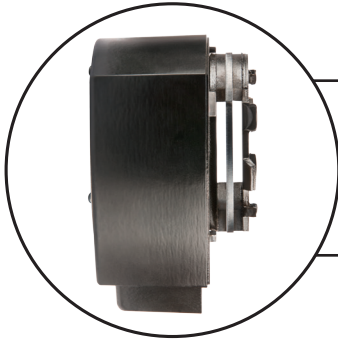
### Bearing Supported Planetary Gearing System

For continuous operation at full load.





### Heavy-Duty Disk Brake

Harrington's patented disk brake mechanism eliminates load drift and ensures fine feathering control.

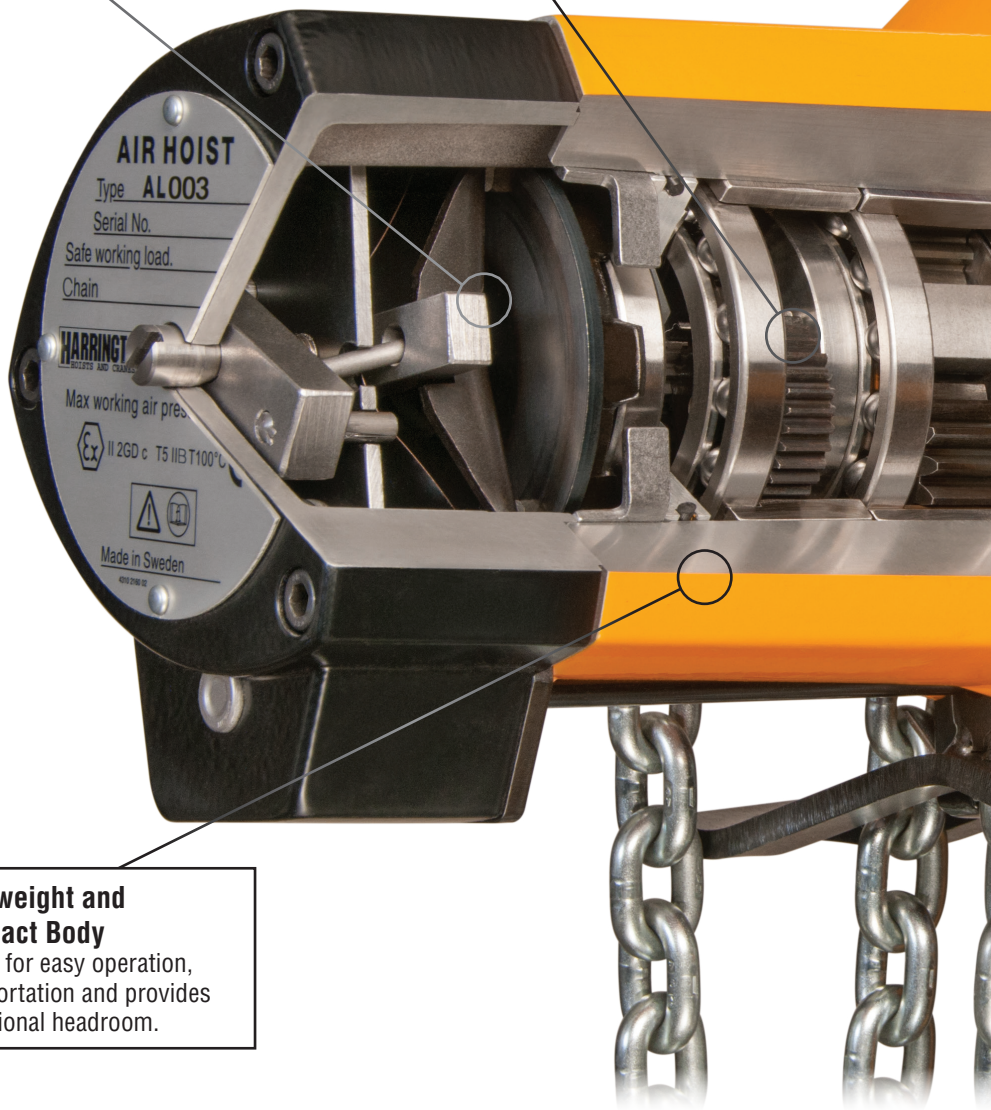


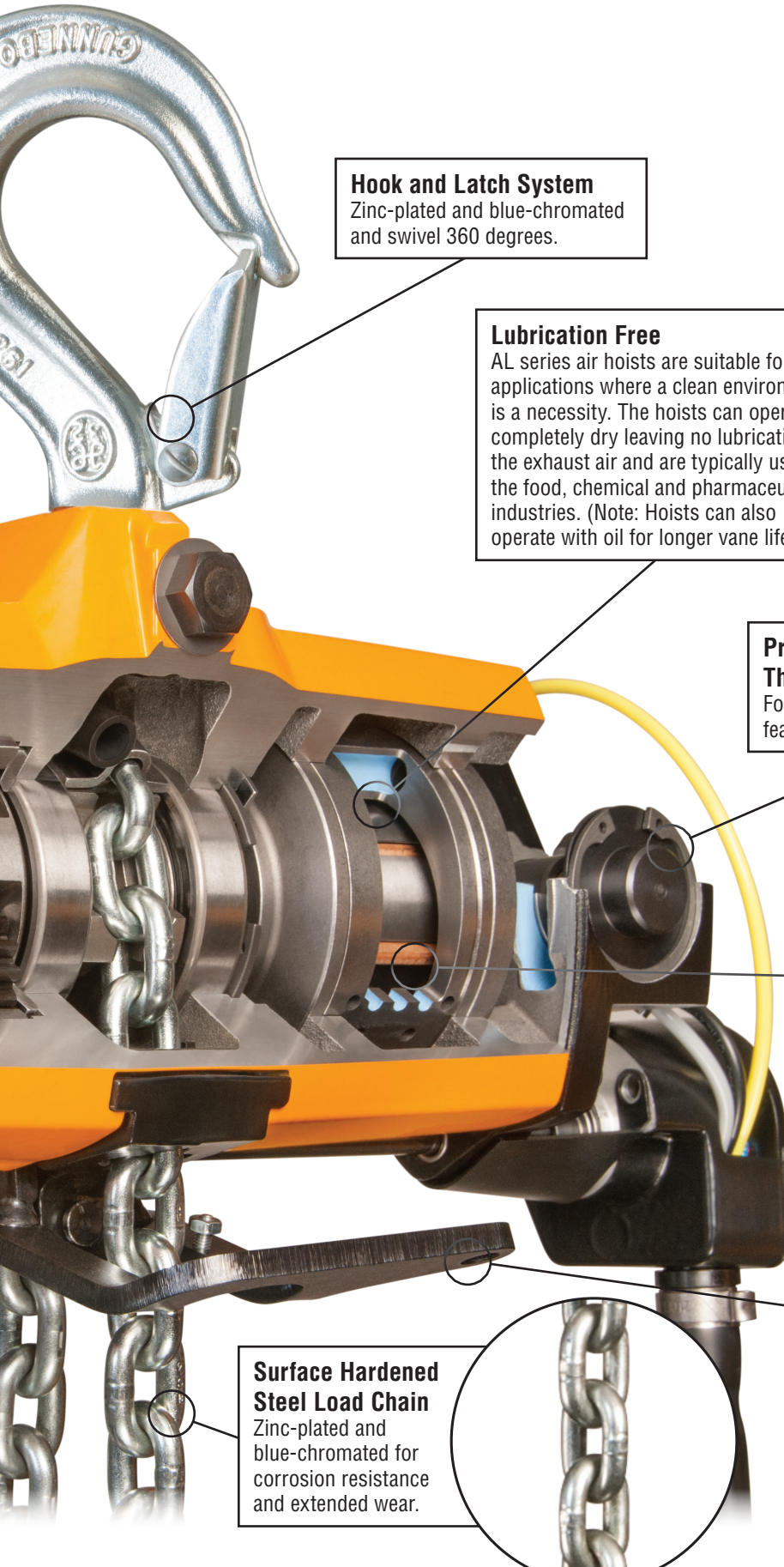
### Certified Spark Resistant for Safe Operation

All hoists are  certified spark resistant (Explosive atmospheres that require features that reduce the risk of spark) to level  II 2GD c T5 IIB T100°C and are in compliance with the EU ATEX Directive. (See page 17 for more information.)

### Lightweight and Compact Body

Allows for easy operation, transportation and provides exceptional headroom.





**Hook and Latch System**  
Zinc-plated and blue-chromated and swivel 360 degrees.

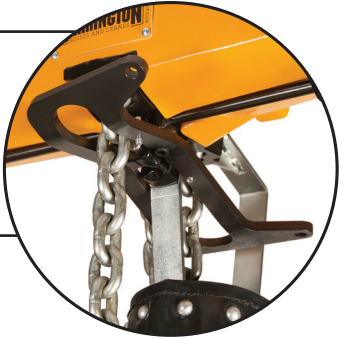
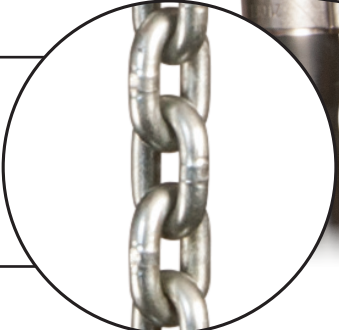
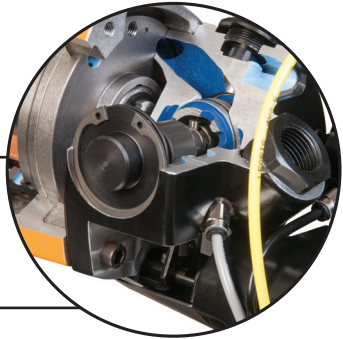
**Lubrication Free**  
AL series air hoists are suitable for applications where a clean environment is a necessity. The hoists can operate completely dry leaving no lubrication in the exhaust air and are typically used in the food, chemical and pharmaceutical industries. (Note: Hoists can also operate with oil for longer vane life.)

**Precision Throttle Valve**  
For outstanding feathering control.

**Vane Motor**  
Permits smooth operation and controlled travel.

**Surface Hardened Steel Load Chain**  
Zinc-plated and blue-chromated for corrosion resistance and extended wear.

**Limit Switches**  
Upper / lower limit switches are standard for hoist protection.



## AL Certified Spark Resistant and Lube Free Air Hoists with Pendant and Cord Controls and Hook Suspension



Harrington's AL Series certified spark resistant and lube free air hoists can operate without air supply lubrication which leaves the surrounding environment free of oil mist from the air exhaust. Built for precise load positioning with pendant, cord or twist rod control this hoist is perfect for use in food, chemical and pharmaceutical industries or in any area where oil mist cannot be tolerated. Hoists can also operate with oil for longer vane life. All hoists are certified spark resistant to level II 2GD c T5 IIB T100°C and are in compliance with the EU ATEX Directive.

### Features and Benefits

#### Certified Spark Resistant for Safe Operation

All hoists are certified spark resistant (Explosive atmospheres that require features that reduce the risk of spark) to level II 2GD c T5 IIB T100°C and are in compliance with the EU ATEX Directive. (See page 17 for more information.)

#### Lubrication Free

AL series air hoists are suitable for applications where a clean environment is a necessity. The hoists can operate completely dry leaving no lubrication in the exhaust air and are typically used in the food, chemical and pharmaceutical industries. (Note: Hoists can also operate with oil for longer vane life.)

#### Heavy-Duty Disk Brake

Harrington's patented disk brake mechanism eliminates load drift and ensures fine feathering control.

#### Vane Motor

Permits smooth operation and controlled travel.

#### Surface Hardened Steel Load Chain

Zinc-plated and blue-chromated for corrosion resistance and extended wear.

#### Bearing Supported Planetary Gearing System

For continuous operation at full load.

#### Lightweight and Compact Body

Allows for easy operation, transportation and provides exceptional headroom.

#### Hook and Latch System

Zinc-plated and blue-chromated and swivel 360 degrees.

### Standard Hoist Specifications

#### Capacity Range

¼ - 5 Ton

#### Standard Lift

10' (longer lengths available)

#### Duty Cycle

Unlimited

#### Pendant or Cord Length

4' less than lift  
(longer lengths available)

#### Air Filtration

Maximum 30 micron air filter or finer

#### Air Supply Requirement

90 PSI

#### Air Inlet Port

½" NPT

#### Air Supply Hose Minimum Size

½"

#### Operating Conditions

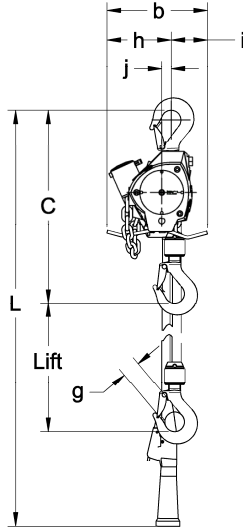
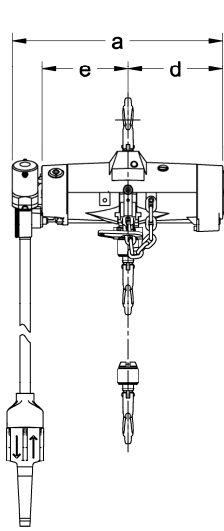
Temperature Range +14° to 104° F  
Humidity 85% or less

#### Options

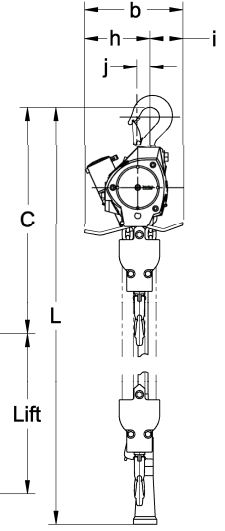
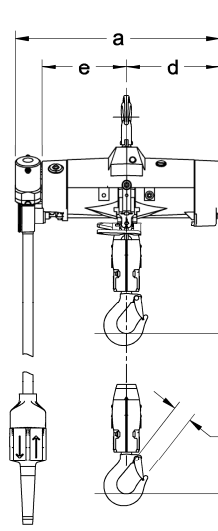
Canvas Chain Container  
Steel Chain Container  
Twist Rod  
Self-locking Hooks  
Filter, Lubricator, Regulator  
Load Limiter  
Additional spark resistant components—consult Customer Service



**HARRINGTON**  **CERTIFIED SPARK RESISTANT AND LUBE FREE AIR HOISTS**



AL003P



AL010P2

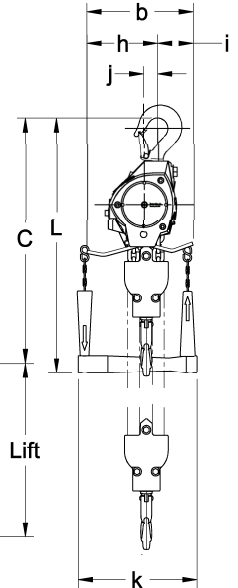
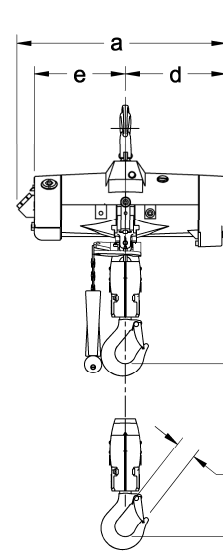
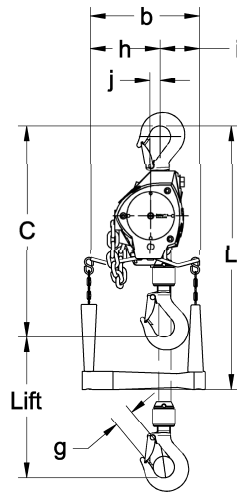
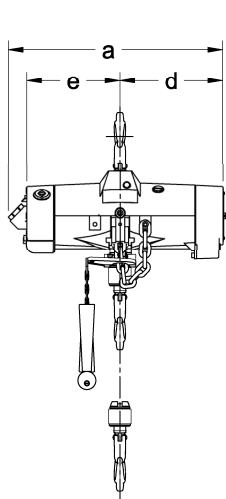
**AL PENDANT MODEL—SPECIFICATIONS**

Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	w/Full Load	No Load	w/Full Load			
1/4	AL003P	10	7.5	85 / 66	61 / 105	98 / 64	78 / 72	6.5x1	39	0.6
1/2	AL005P			78 / 49	41 / 72	102 / 68	81 / 74	6.5x1	39	0.6
1	AL010P2			39 / 25	21 / 36	102 / 68	81 / 74	6.5x2	55	0.6
3	AL030P			20 / 18	10 / 20	102 / 76	85 / 81	11.5x1	123	1.9
5	AL050P2		8.6	9.8 / 8.9	5.2 / 9.8	102 / 76	85 / 81	11.5x2	234	1.9

**AL PENDANT MODEL—DIMENSIONS**

Capacity (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)
1/4	AL003P	14.8	15.9	7.7	7.2	6.6	1.1	4.8	2.9	0.7
1/2	AL005P	14.8	15.9	7.7	7.2	6.6	1.1	5.1	2.6	1.0
1	AL010P2	17.5	15.9	7.7	7.2	6.6	1.1	5.1	2.6	1.0
3	AL030P	22.6	22.0	13.7	10.4	9.6	2.0	7.8	5.9	1.5
5	AL050P2	30.9	22.0	13.7	10.4	9.6	2.4	8.9	4.7	2.7

## AL Certified Spark Resistant and Lube Free Air Hoists with Pendant and Cord Controls and Hook Suspension



AL003C

AL010C2

### AL CORD MODEL—SPECIFICATIONS

Cap. (Tons)	Product Code	Standard Lift (ft)	Cord L (ft)	Up/Down Speeds (ft/min @ 90psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	w/Full Load	No Load	w/Full Load			
1/4	AL003C	10	7.5	85 / 66	61 / 105	98 / 64	78 / 72	6.5x1	37.5	0.6
1/2	AL005C			78 / 49	41 / 72	102 / 68	81 / 74	6.5x1	37.5	0.6
1	AL010C2			39 / 25	21 / 36	102 / 68	81 / 74	6.5x2	53	0.6
3	AL030C			20 / 18	10 / 20	102 / 76	85 / 81	11.5x1	121	1.9
5	AL050C2		8.6	9.8 / 8.9	5.2 / 9.8	102 / 76	85 / 81	11.5x2	232	1.9


For optional Twist Rod Control – Rod L = 3.5 to 6.5 feet.

### AL CORD MODEL—DIMENSIONS

Capacity (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	d (in)	e (in)	g (in)	h (in)	i (in)	j (in)	k (in)
1/4	AL003C	14.8	15.4	7.7	7.2	6.7	1.1	4.8	2.9	0.7	8.7
1/2	AL005C	14.8	15.4	7.7	7.2	6.7	1.1	5.1	2.6	1.0	8.7
1	AL010C2	17.5	15.4	7.7	7.2	6.7	1.1	5.1	2.6	1.0	8.7
3	AL030C	22.6	21.5	13.7	10.4	9.6	2.0	7.8	5.9	1.5	8.7
5	AL050C2	30.9	21.5	13.7	10.4	9.6	2.4	8.9	4.7	2.7	8.7



## AL Certified Spark Resistant and Lube Free Air Hoists with Pendant and Cord Controls and Push and Geared Trolleys



Harrington's AL Series  certified spark resistant and lube free air hoists can be easily suspended from our PT push and GT geared trolleys for mobility. These trolleys feature specially designed contoured wheels for reliable tracking and have sealed ball bearings, which reduce maintenance and provide smooth operation.

### Features and Benefits

#### Certified Spark Resistant for Safe Operation

All hoists are  certified spark resistant (Explosive atmospheres that require features that reduce the risk of spark) to level  II 2GD c T5 IIB T100°C and are in compliance with the EU ATEX Directive. (See page 17 for more information.)

#### Lubrication Free

AL series air hoists are suitable for applications where a clean environment is a necessity. The hoists can operate completely dry leaving no lubrication in the exhaust air and are typically used in the food, chemical and pharmaceutical industries. (Note: Hoists can also operate with oil for longer vane life.)

#### Heavy-Duty Disk Brake

Harrington's patented disk brake mechanism eliminates load drift and ensures fine feathering control.

#### Vane Motor

Permits smooth operation and controlled travel.

#### Surface Hardened Steel Load Chain

Zinc-plated and blue-chromated for corrosion resistance and extended wear.

#### Bearing Supported Planetary Gearing System

For continuous operation at full load.

#### Lightweight and Compact Body

Allows for easy operation, transportation and provides exceptional headroom.

#### Hook and Latch System

Zinc-plated and blue-chromated and swivel 360 degrees.

### Standard Trolley Specifications

#### Capacity Range

PT Push – 1/4 Ton – 5 Ton

GT Geared – 1/4 – 5 Ton

#### Shafts

Standard shafts fit wide range  
Longer shafts for wider beams  
Spacers for easy adjustments

#### Drop Stops

Standard

#### Bumpers

Optional

#### Standard Hand Chain Drop

On geared trolleys

2' less than lift

(longer drops available)

#### Wheels

All steel

Sealed ball bearings

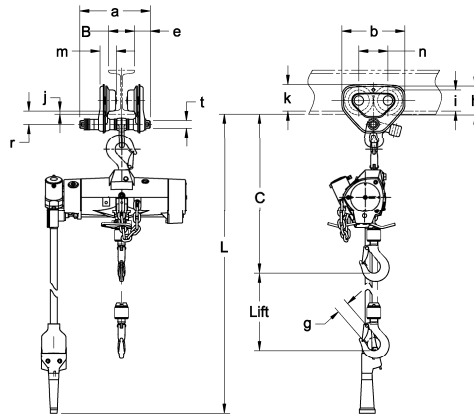
Fit flat or tapered beam flange

#### Standard Hoist Pendant Drop

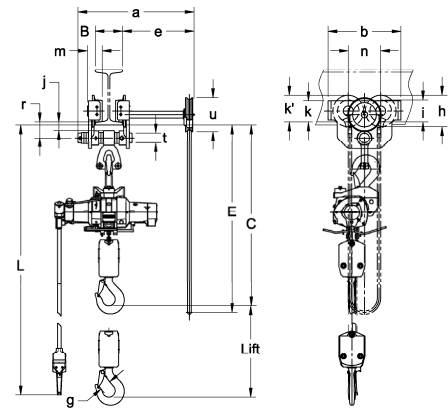
4' less than lift

(longer drops available)

# AL Certified Spark Resistant and Lube Free Air Hoists with Pendant and Cord Controls and Push and Geared Trolleys



ALP005P



ALG050P2

## AL PENDANT MODEL WITH PUSH OR GEARED TROLLEYS—SPECIFICATIONS

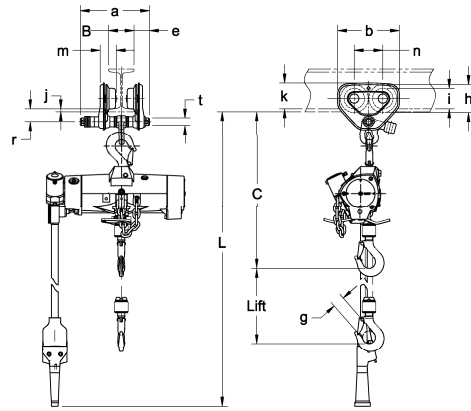
Cap. (Tons)	Product Code	Standard Lift (ft)	Push Button Hose L (ft)	Up/Down Speeds (ft/min @ 90psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Flange Width Adjustability B (in)		Minimum* Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	w/Full Load	No Load	w/Full Load	Standard	Optional				
1/4	ALP(ALG)003P	10	7.5	85 / 66	61 / 105	98 / 64	78 / 72	2.28 to 4.00 (2.28 to 5.00)	4.01 to 8.00 (5.01 to 8.00) OR 8.01 to 12.00	13.8 (17.7)	6.5 x 1	48 (68)	0.6 (1.2)
1/2	ALP(ALG)005P			78 / 49	41 / 72	102 / 68	81 / 74		5.01 to 8.00 OR 8.01 to 12.00		6.5 x 1		
1	ALP(ALG)010P2			39 / 25	21 / 36	102 / 68	81 / 74	2.28 to 5.00	17.7	6.5 x 2	70 (83)	0.6 (1.2)	
3	ALP(ALG)030P			20 / 18	10 / 20	102 / 76	85 / 81	3.23 to 6.02	25.6	11.5 x 1	169 (185)	1.9 (2.5)	
5	ALP(ALG)050P2			8.6	9.8 / 8.9	5.2 / 9.8	102 / 76	85 / 81	4.92 to 7.02	7.03 to 12.00	78.7	11.5 x 2	329 (360)

Figures in parenthesis are data for geared trolley  
 \*Minimum flange width for curved beam: 1 Ton Push and 1/8 to 1Ton Geared = 2.87 in.  
 3 Ton Push and Geared = 3.50 in.

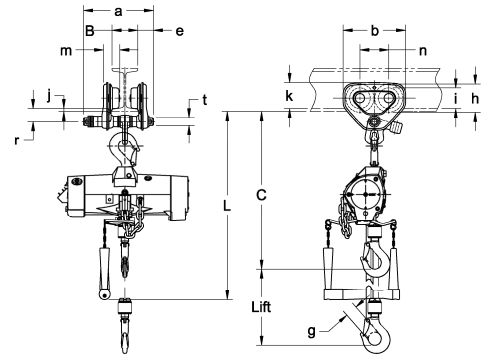
## AL CORD MODEL WITH PUSH OR GEARED TROLLEYS—SPECIFICATIONS

Cap. (Tons)	Product Code	Standard Lift (ft)	Cord L (ft)	Up/Down Speeds (ft/min @ 90psi)		Up/Down Air Consumption Rates (cubic ft/min @ 90 psi)		Flange Width Adjustability B (in)		Minimum* Allow. Radius for Curve (in)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
				No Load	w/Full Load	No Load	w/Full Load	Standard	Optional				
1/4	ALP(ALG)003C	10	7.5	85 / 66	61 / 105	98 / 64	78 / 72	2.28 to 4.00 (2.28 to 5.00)	4.01 to 8.00 (5.01 to 8.00) OR 8.01 to 12.00	13.8 (17.7)	6.5 x 1	46 (66)	0.6 (1.2)
1/2	ALP(ALG)005C			78 / 49	41 / 72	102 / 68	81 / 74		5.01 to 8.00 OR 8.01 to 12.00		6.5 x 1		
1	ALP(ALG)010C2			39 / 25	21 / 36	102 / 68	81 / 74	2.28 to 5.00	17.7	6.5 x 2	68 (81)	0.6 (1.2)	
3	ALP(ALG)030C			20 / 18	10 / 20	102 / 76	85 / 81	3.23 to 6.02	25.6	11.5 x 1	167 (182)	1.9 (2.5)	
5	ALP(ALG)050C2			8.6	9.8 / 8.9	5.2 / 9.8	102 / 76	85 / 81	4.92 to 7.02	7.03 to 12.00	78.7	11.5 x 2	327 (358)

Figures in parenthesis are data for geared trolley  
 \*Minimum flange width for curved beam: 1 Ton Push and 1/8 to 1Ton Geared = 2.87 in.  
 3 Ton Push and Geared = 3.50 in.



ALP005P

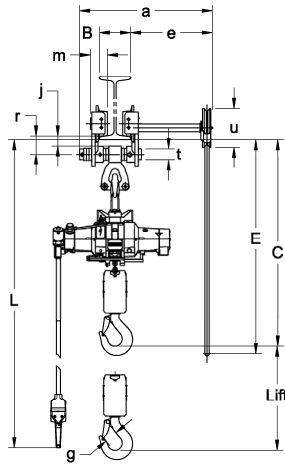


ALP005C

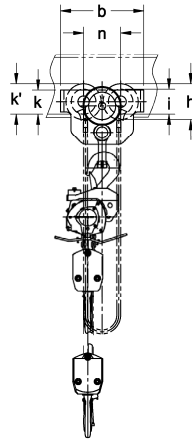
**AL PENDANT AND CORD MODELS WITH PUSH TROLLEY—DIMENSIONS**

Capacity (Tons)	Product Code	Headroom C (in)	a (in)	b (in)	e (in)	g (in)	h (in)	i (in)	j (in)	k (in)	m (in)	n (in)	r (in)	t (in)
1/4	ALP003C/P	18.1	8.0	7.2	1.8	1.1	3.2	2.4	0.8	3.0	2.7	3.3	1.5	0.9
1/2	ALP005C/P	18.1	8.0	7.2	1.8	1.1	3.2	2.4	0.8	3.0	2.7	3.3	1.5	0.9
1	ALP010C/P2	21.3	9.8	9.3	2.2	1.1	4.2	2.8	1.1	3.7	3.1	4.4	2.0	1.0
3	ALP030C/P	28.9	12.6	12.8	3.1	2.0	5.8	3.9	1.4	5.3	4.3	6.0	2.7	1.4
5	ALP050C/P2	34.2	11.7	13.7	2.1	2.4	6.7	4.6	-	5.7	3.6	7.0	4.6	1.7

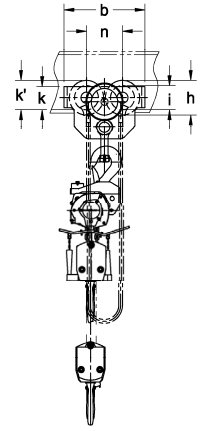
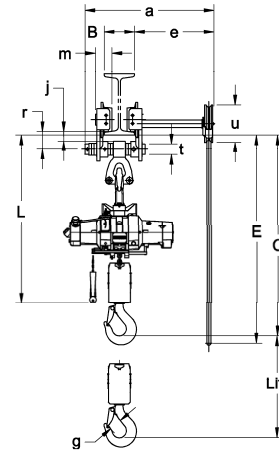
**AL  Certified Spark Resistant and Lube Free Air Hoists with Pendant and Cord Controls and Push and Geared Trolleys**



ALG050P2



ALG050C2



**AL PENDANT AND CORD MODELS WITH GEARED TROLLEY—DIMENSIONS**

Capacity (Tons)	Product Code	Headroom C (in)	E (ft)	a (in)	b (in)	e (in)	g (in)	h (in)	i (in)	j (in)	k (in)	k' (in)	m (in)	n (in)	r (in)	t (in)	u (in)
1/4	ALG003C/P	18.6	9.5	20.9	9.3	13.3	1.1	4.2	2.8	1.1	3.7	4.2	2.2	4.4	2.0	1.0	7.2
1/2	ALG005C/P	18.6	9.5	20.9	9.3	13.3	1.1	4.2	2.8	1.1	3.7	4.2	2.2	4.4	2.0	1.0	7.2
1	ALG010C/P2	21.3	9.5	20.9	9.3	13.3	1.1	4.2	2.8	1.1	3.7	4.2	2.2	4.4	2.0	1.0	7.2
3	ALG030C/P	28.9	11	25.4	12.8	15.9	2.0	5.8	3.9	1.4	5.3	4.5	3.1	6.0	2.7	1.4	7.2
5	ALG050C/P2	40.6	11	25.1	13.7	15.5	2.4	6.7	4.6	1.8	4.5	5.7	3.2	7.0	4.6	1.7	7.2

## AL Certified Spark Resistant and Lube Free Air Hoists with Options

### TWIST ROD



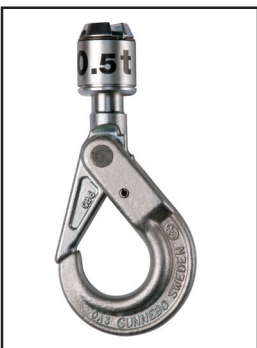
### CANVAS CHAIN CONTAINER



### STEEL CHAIN CONTAINER



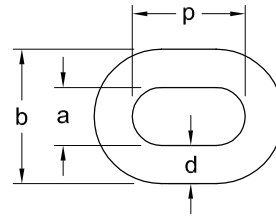
### SELF-LOCKING HOOKS



## Technical Data

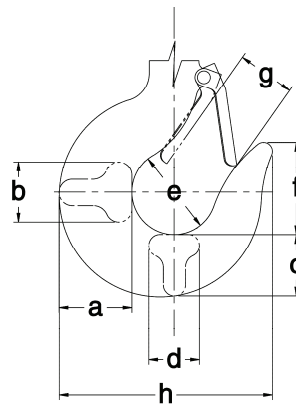
### AL CHAIN—DIMENSIONS

Product Code	a (in)	b (in)	d (in)	p (in)
AL003C/P	0.35	0.87	0.26	0.73
AL005C/P				
AL010C2/P2				
AL030C/P	0.63	1.53	0.45	1.30
AL050C2/P2				



### AL TOP AND BOTTOM HOOK—DIMENSIONS

Product Code	a (in)	b (in)	c (in)	d (in)	e (in)	f (in)	g (in)	h (in)
AL003C/P	1.02	0.79	1.02	0.79	1.50	1.32	1.14	3.43
AL005C/P	1.02	0.79	1.02	0.79	1.50	1.32	1.14	3.43
AL010C2/P2	1.02	0.79	1.02	0.79	1.50	1.32	1.14	3.43
AL030C/P	1.65	1.26	1.40	1.10	2.28	2.32	1.97	5.20
AL050C2/P2	1.97	1.57	1.73	1.30	2.76	2.72	2.36	6.30





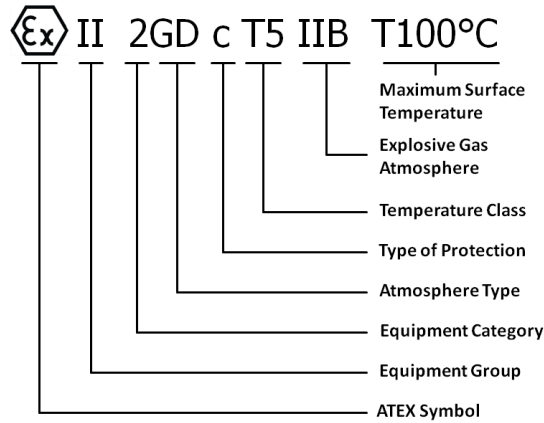
**ATEX DIRECTIVE**

Hoists intended for use in potentially explosive atmospheres require measures to reduce the risk of explosions. Requirements for such measures come from the European Directive 94/9/EC, commonly referred to as the ATEX Directive (ATEX is from the French ATmospheres EXplosibles), and its supporting standards.

The explosion protection and prevention measures for non-electrical equipment such as air hoists differ from those applied to electrical equipment. Requirements for non-electrical equipment are provided in the EN 13463 series of standards. Air hoists that meet the appropriate requirements of the EN 13463 standards satisfy the ATEX Directive and can be used in potentially explosive atmospheres.

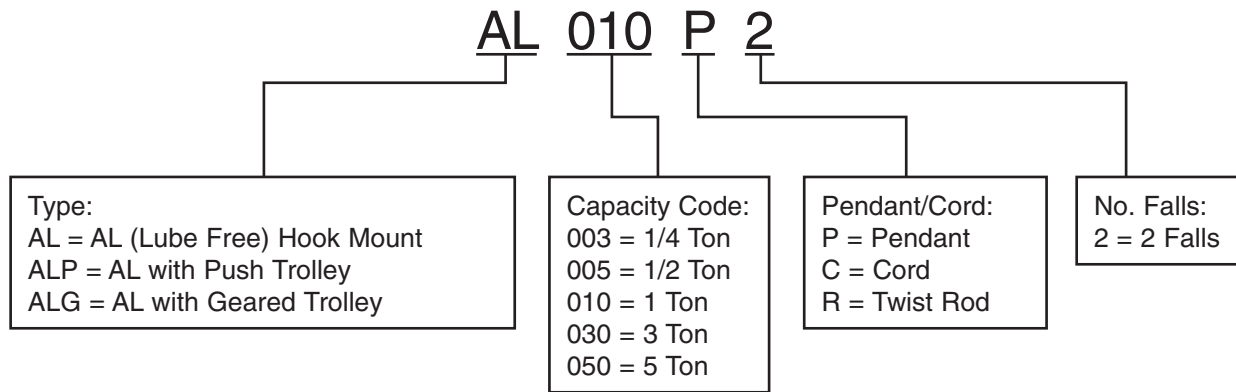
Harrington's AL and AS hoists use the "constructional safety" type of protection in accordance with EN 13463-5 Non-electrical equipment intended for use in potentially explosive atmospheres—Part 5: Protection by constructional safety 'c'. This standard defines constructional safety as ignition protection in which constructional measures are applied so as to protect against the possibility of ignition from hot surfaces, sparks and adiabatic compression generated by moving parts. Constructional measures that satisfy EN 13463-5 include use of materials that reduce or eliminate the risk of sparks produced by impact or friction. This can generally be considered equivalent to the term "spark-resistant features."

The ATEX Directive and the EN 13463 standards require detailed markings to assure the hoists are used correctly. These markings define the applications, the type and duration of the potentially explosive atmospheres, the type of protection, and the maximum surface temperature.



Marking	Definition	AL Hoist
ATEX Symbol	Equipment suitable for potentially explosive atmospheres in accordance with the ATEX Directive.	Ex
Equipment Group	'I' means suitable for use in mines susceptible to firedamp and/or coal dust. 'II' means suitable for non-mine locations that could be endangered by potentially explosive atmospheres.	II
Equipment Category	'1' means for use in areas where an explosive atmosphere is present continuously, for long periods, or frequently. '2' means for use in areas where an explosive atmosphere is likely to occur in normal operation. '3' means for use in areas where an explosive atmosphere is unlikely to occur in normal operation.	2
Atmosphere Type	'G' means suitable for Gas. 'D' means suitable for Dust.	GD
Type of Protection	This letter indicates the type of protection method used. There are several. "c" means constructional safety.	c
Temperature Class	Designation that indicates the maximum surface temperature the hoist will have during normal operation. There are several designations. T5 = 100°C	T5
Explosive Gas Atmosphere	Designation that indicates the type of gases, vapors and mists the hoist is suitable for. Designations applicable to Equipment Group II: 'IIA' means atmosphere containing methane, propane, or similar gases. 'IIB' means atmosphere containing ethylene or similar gases. 'IIC' means atmospheres containing hydrogen, acetylene, or similar gases.	IIB
Maximum Surface Temperature	The maximum surface temperature the hoist will have during normal operation.	T100°C

## Product Code for AL Series



## Complete Product Offering

Over the years, Harrington has continued to respond to the needs of our customers by further expanding our product offerings. In addition to the many models described in this catalog, our full series of product catalogs, as shown below, will provide you with all of the information you will need to answer questions, specify a product and place an order. For catalog copies or answers to specific product questions, please contact our Customer Service Department by calling 800-233-3010 (Manheim, PA) or 800-317-7111 (Corona, CA) or e-mail [customerservice@harringtonhoists.com](mailto:customerservice@harringtonhoists.com)



### Electric Chain Hoists Catalog

Refer to this Harrington catalog for detailed information on the following:

- Three phase electric chain hoists and trolleys
- Single phase electric chain hoists and trolleys
- Ergonomic electric chain hoists



### Manual Hoist Products Catalog

Refer to this Harrington catalog for detailed information on the following:

- Lever hoists
- Hand chain hoists
- Hoist and trolley combinations
- Low headroom trolley hoists
- Push and geared trolleys
- Hoist load testers



### Air Powered Hoists Catalog

Refer to this Harrington catalog for detailed information on the following:

- Compact Mini-Cat with pendant, cord and manipulator controls
- Air hoists with pendant and cord controls
- Air trolleys



### Electric Wire Rope Hoists Catalog

Refer to this Harrington catalog for detailed information on the following:

- Deck/base mounted or lug suspended hoists
- Standard headroom trolley hoists
- Ultra-low headroom trolley hoists



### Complete Cranes Catalog

Refer to this Harrington catalog for detailed information on the following:

- Heavy-duty Class C single girder top running and underhung cranes
- Heavy-duty Class C double girder top running and underhung cranes
- Medium-duty top running and underhung push cranes
- Crane control panels

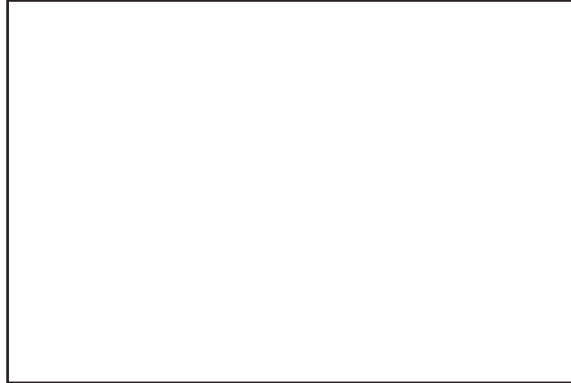


### Crane Components Catalog

Refer to this Harrington catalog for detailed information on the following:

- End trucks-top running-motorized, geared and push
- End trucks-underhung-motorized, geared and push
- Double girder MAX-E-Lift end trucks
- Convertible push end trucks
- Beam accessory kits

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HARRINGTON DISTRIBUTOR**



**Warranty**

All products sold by Harrington Hoists, Inc. are warranted to be free from defects in material and workmanship from date of shipment by Harrington for the following periods:

- 1 year—Electric and Air Powered Hoists (excluding (N)ER2 Enhanced Features Models), Powered Trolleys, Powered Tiger Track Jibs and Gantries, Crane Components, Sling Chain, Spare/Replacement Parts**
- 2 years—Manual Hoists & Trolleys, Beam Clamps**
- 3 years—(N)ER2 Enhanced Features Model Hoists**
- 5 years—Manual Tiger Track Jibs and Gantries, TNER Pull-Rotor Motor Brake**
- 10 years—(N)ER2 “The Guardian” Smart Brake**

The product must be used in accordance with manufacturer’s recommendations and must not have been subject to abuse, lack of maintenance, misuse, negligence, or unauthorized repairs or alterations.

Should any defect in material or workmanship occur during the above time period in any product, as determined by Harrington Hoist’s inspection of the product, Harrington Hoists, Inc. agrees, at its discretion, either to replace (not including installation) or repair the part or product free of charge and deliver said item F.O.B. Harrington Hoists, Inc. place of business to customer.

Customer must obtain a Return Goods Authorization as directed by Harrington or Harrington’s published repair center prior to shipping product for warranty evaluation. An explanation of the complaint must accompany the product. Product must be returned freight prepaid. Upon repair, the product will be covered for the remainder of the original warranty period. Replacement parts installed after the original warranty period will only be eligible for replacement (not including installation) for a period of one year from the installation date. If it is determined there is no defect, or that the defect resulted from causes not within the scope of Harrington’s warranty, the customer will be responsible for the costs of returning the product.

Harrington Hoists, Inc. disclaims any and all other warranties of any kind expressed or implied as to the product’s merchantability or fitness for a particular application. Harrington will not be liable for death, injuries to persons or property or for incidental, contingent, special or consequential damages, loss or expense arising in connection with the use or inability whatever, regardless of whether damage, loss or expense results from any act or failure to act by Harrington, whether negligent or willful, or from any other reason.



[www.harringtonhoists.com](http://www.harringtonhoists.com)

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