

NEW

Accessories Winch Construction Cages



IR's construction cages make using, moving, storing, and protecting IR air winches easier than ever. Designed to meet ANSI/ASME 5:1 structural design codes for lifting, they are a welcome relief from the liability risk of homemade units.

■ **Construction cages are:**

- Made by certified welders from either 2 ½ by ¼ or 3 by ⅜ inch steel bar for maximum protection.
- Their own perfect shipping containers. No wooden skids or pallets required.
- Designed with generously sized cutouts in the base for easy fork lift access.
- Standard with welded pins in the uprights so they can be stacked up to three high, saving valuable floor or yard space.
- Mounted on a steel base that allows easy bolting or welding to the deck.
- Equipped with lifting eyes to allow a balanced two point pick from overhead. The lifting eyes accept large hooks and are designed to handle the cage and the winch with a full drum of wire rope.
- Wide open in the front for cable take off from the winch at an angle.
- Hot dip galvanized for maximum protection from corrosion.

How to Order:

Examples: order *BU7AE* or *FA5A-LMX1E* for a winch in the cage, or order *CC -BU7A* or *CC -FA5A-LMX1* for the cage only. Custom inquiries welcome. Please send a dimensional drawing of the winch to our engineering department.



FA2B-RMX1HE



FA5A-LMX1HE



FA7-24XK1E



BU7A-E



FA10-40XK1E

Setting new standards in pneumatic control systems.

■ **Standard features:**

- Fully enclosed impact resistant frame
- Watertight enclosure with corrosion proof features suitable for offshore, petrochemical and other severe environments
- No working parts exposed to the atmosphere
- Integral dump valves bleed excess air to eliminate “control lag”
- Color coded air hose for functional identification
- Pinpoint spotting for exceptional load control
- Readily adaptable for IR Hercu-Links and Force-5 air winches
- May be installed on any pilot air operated crane control system
- Safety guards around push buttons help eliminate accidental control actuation
- Up to three functions (six motions)

■ **Options**

- Longer lengths of control hose in 10 foot (3 m) sections
- Two, four and six button models
- Additional dump valves
- Emergency stop/start control



A2-4Y Accu-Trol, 4 button with ON-OFF

Specifications

Model	Configuration	Pressure range psi (bar)		Port dia. NPT
A1-4N	2 button only	50 – 125	(3.5 – 8.75)	1/8 inch (3 mm)
A2-4N	4 button only	50 – 125	(3.5 – 8.75)	1/8 inch (3 mm)
A2-4Y	4 button with ON - OFF	50 – 125	(3.5 – 8.75)	1/8 inch (3 mm)
A3-6N	6 button only	50 – 125	(3.5 – 8.75)	1/8 inch (3 mm)
A3-6Y	6 button with ON - OFF	50 – 125	(3.5 – 8.75)	1/8 inch (3 mm)

How to Order:

Accu-Trol model code: Accu-Trol (A) with three (3) functions, six (6) buttons, emergency shut-off and 30 feet of pendent hose. **Example: A3-6Y30**

Accu-Trol hose manifold	Pushbutton kits	-	Common parts	On/off emergency cut-off switch	Hose kit (length of pendent drop) ¹
A	3	-	6	Y	30
A = Accu-Trol	1 = 1 kit (hoist) 2 = 2 kits (hoist and trolley) 3 = 3 kits (hoist, trolley and bridge)		4 = 2 or 4 button pendent box 6 = 6 button pendent box	N = No, not included Y = Yes, included	0 = 0 (use to specify pendent handle only; e.g. A1-4N0) 10 = 10 feet/3 meters 20 = 20 feet/6 meters 30 = 30 feet/9 meters 40 = 40 feet/12 meters 50 = 50 feet/15.25 meters xx = Specify length

Hose bundle assembly with strain relief

(Used on series: Palair Plus, Palair CP, Accu-Trol, FA, Liftstar, Hercu-Link, ULA)

Length		without Emergency Stop			with Emergency Stop		
ft	m	2 button Part no.	4 button Part no.	6 button Part no.	2 button Part no.	4 button Part no.	6 button Part no.
10	3.0	21653-15	21654-15	21655-15	21656-15	21657-15	21658-15
15	4.5	21653-15	21654-15	21655-15	21656-15	21657-15	21658-15
20	6.0	21653-20	21654-20	21655-20	21656-20	21657-20	21658-20
25	7.6	21653-25	21654-25	21655-25	21656-25	21657-25	21658-25
30	9.0	21653-30	21654-30	21655-30	21656-30	21657-30	21658-30
35	10.7	21653-35	21654-35	21655-35	21656-35	21657-35	21658-35
40	12.0	21653-40	21654-40	21655-40	21656-40	21657-40	21658-40
45	13.7	21653-45	21654-45	21655-45	21656-45	21657-45	21658-45
50	15.25	21653-50	21654-50	21655-50	21656-50	21657-50	21658-50

1. 1/4 inch (6 mm) hose with working pressure of 250 psi (17.5 bar)
 2. Dump valves included on lengths of 10 feet (3 meters) and longer to provide quick exhaust and improve control response.
 3. For hose bundle lengths over 50 feet (15.25 meters) contact Technical Support for control acceptability.

Accessories

Electric-Over-Air Pendent Control System



This updated remote control allows unlimited distance between the operator and winch or hoist without the excessive pressure drops, quick exhaust valves and resultant delays found in air control lines. On pendent controls, dialing-in an electrical setting determines the speed. Push buttons provide pay-in or pay-out. For variable speed control, the control buttons are depressed and the dial-in knob provides proportional control. The joystick lever control provides traditional winch style variable speed in a hand held or wall mounted control box.

■ Standard Features

- Portable, easy to hold control pendent
- NEMA 4 control box and pendent
- Holding down the control button and turning the Dial-In control provides variable speed
- Automatic return-to-center when joystick is released
- Emergency stop button on control enclosure
- Unlimited control length
- Requires pilot control valve chest for field retrofit
- Adaptable to most winch models and Hercu-Link hoists

■ Product availability

The Electric Over Air remote control system is available for all Hercu-Link air hoists and Force 5 air winches. Contact Technical Sales for information regarding suitability with other air powered products or for spark and corrosion resistant or explosion proof applications. The overspeed indicator is currently available as an option only on FA2MRA, FA2.5MRA and FA5MRA.

How to Order

To order with a complete unit, use appropriate control option in that unit's model driver, and specify control type (pendent **P** or lever **L**).

To order separately, specify complete model number as shown. This model code includes: Series, Control type, Control length, and Options. **Example: E/A-PCS20L**

Series	Control type	Control length	Options
E/A	PCS	20	L
E/A = Electric-Over-Air	LCS = Lever control PCS = Pendent control	20 = 20 feet standard XX = Specify length in feet	L = Overspeed indicator



Air line accessories

Model	Air inlet size	FRL size	Filter	Regulator	Lubricator	FRL combo	Liquidator	Strainer	Muffler / NPT size ⁽¹⁾
BU7A	0.5 NPT	0.75 NPT	F30-06-000	R28-06-F0G0-28	L30-06-000	C31-06-G00	8846-W1-090	EU-A267	52104 / .75
FA150KGMR	0.5 NPT	0.75 NPT	F30-06-000	R28-06-F0G0-28	L30-06-000	C31-06-G00	8846-W1-090	EU-A267	52104 / .75
EU/EUL	0.75 NPT	1.0 NPT	F30-08-000	R38-08-F0G0-28	L30-08-000	C31-08-G00	8848-W1-150	HU-A267AT	50592 / 1.0
FA2 ⁽²⁾	1.25 NPT	1.5 NPT	F35-0B-C28	R40-0B-G00	L40-0B-G00	–	8834-W1-000	HU-A267AT	52465 / 1.25
FA2B ⁽²⁾	1.25 NPT	1.5 NPT	F35-0B-C28	R40-0B-G00	L40-0B-G00	–	8834-W1-000	K4U-A267AT	50592 / 1.0
HU40A	1.25 NPT	1.5 NPT	F35-0B-C28	R40-0B-G00	L40-0B-G00	–	8834-W1-000	K4U-A267AT	50592 / 1.0
FA2.5 ⁽²⁾	1.25 NPT	1.5 NPT	F35-0B-C28	R40-0B-G00	L40-0B-G00	–	8834-W1-000	K4U-A267AT	50594 / 2.0
FA2.5A ⁽²⁾	1.25 NPT	1.5 NPT	F35-0B-C28	R40-0B-G00	L40-0B-G00	–	8834-W1-000	–	50594 / 2.0
FA5 ⁽²⁾	1.25 NPT	1.5 NPT	F35-0B-C28	R40-0B-G00	L40-0B-G00	–	8834-W1-000	K4U-A267AT	50594 / 2.0
FA5A ⁽²⁾	1.25 NPT	1.5 NPT	F35-0B-C28	R40-0B-G00	L40-0B-G00	–	8834-W1-000	–	50594 / 2.0
FA7 ⁽²⁾	1.25 NPT	1.5 NPT	F35-0B-C28	R40-0B-G00	L40-0B-G00	–	8834-W1-000	K4U-A267AT	50594 / 2.0
FA10 ⁽²⁾	1.25 NPT	1.5 NPT	F35-0B-C28	R40-0B-G00	L40-0B-G00	–	8834-W1-000	K4U-A267AT	50594 / 2.0
LS150R	0.5 BSP	0.75 NPT	F30-06-000	R30-06-000	L30-06-000	C31-06-G00	8846-W1-090	EU-A267	Built-in, internal muffling system
LS300R	0.5 BSP	0.75 NPT	F30-06-000	R30-06-000	L30-06-000	C31-06-G00	8846-W1-090	EU-A267	
LS600R	0.5 BSP	0.75 NPT	F30-06-000	R30-06-000	L30-06-000	C31-06-G00	8846-W1-090	EU-A267	
LS1500R	0.75 BSP	1.0 NPT	F30-08-000	R30-08-000	L30-08-000	C31-08-G00	8848-W1-150	EU-A267	
LS2000R	1.25 BSP	1.5 NPT	F35-0B-C28	R40-0B-G00	L40-0B-G00	–	8834-W1-000	K4U-A267AT	
LS5000R	1.25 BSP	1.5 NPT	F35-0B-C28	R40-0B-G00	L40-0B-G00	–	8834-W1-000	K4U-A267AT	
PS1000R	0.5 BSP	0.75 NPT	F30-06-000	R30-06-000	L30-06-000	C31-06-G00	8846-W1-090	EU-A267	
PS2400R	0.75 BSP	1.0 NPT	F30-08-000	R30-08-000	L30-08-000	C31-08-G00	8848-W1-150	EU-A267	
PS4000R	1.25 NPT	1.5 NPT	F35-0B-C28	R40-0B-G00	L40-0B-G00	–	8834-W1-000	K4U-A267AT	
PS10000R	1.25 NPT	1.5 NPT	F35-0B-C28	R40-0B-G00	L40-0B-G00	–	8834-W1-000	K4U-A267AT	
HA1 ⁽²⁾	0.75 NPT	0.75 NPT	F28-06-SL00-28	R28-06-F0G0-28	L28-06-LK00-28	–	8846-W1-090	EU-A267	52104 / .75
HA2 ⁽²⁾	1.0 NPT	1.0 NPT	F30-08-000	R30-08-000	L30-08-000	C31-08-G00	8848-W1-150	HU-A267AT	50592 / 1.25
LCA015S	0.5 BSP	0.75 NPT	F30-06-000	R30-06-000	L30-06-000	C31-06-G00	8846-W1-090	EU-A267	Built-in, internal muffling system
LCA030S	0.5 BSP	0.75 NPT	F30-06-000	R30-06-000	L30-06-000	C31-06-G00	8846-W1-090	EU-A267	
LCA060S/D	0.75 BSP	1.0 NPT	F30-08-000	R30-08-000	L30-08-000	C31-08-G00	8848-W1-150	EU-A267	
LCA120D	0.75 BSP	1.0 NPT	F30-08-000	R30-08-000	L30-08-000	C31-08-G00	8848-W1-150	EU-A267	
LCA180T	0.75 BSP	1.0 NPT	F30-08-000	R30-08-000	L30-08-000	C31-08-G00	8848-W1-150	EU-A267	
LCA250Q	0.75 BSP	1.0 NPT	F30-08-000	R30-08-000	L30-08-000	C31-08-G00	8848-W1-150	EU-A267	

1 Primary muffler for motor exhaust

2 Secondary muffler for valve exhaust:

FA2, FA2B, FA2.5, FA2.5A, FA5, FA5A, FA7 and FA10: Part number 52472 / 1.5 NPT

HA1 and HA2: Part number 52104 / 0.75 NPT