

## WINDCHESTS

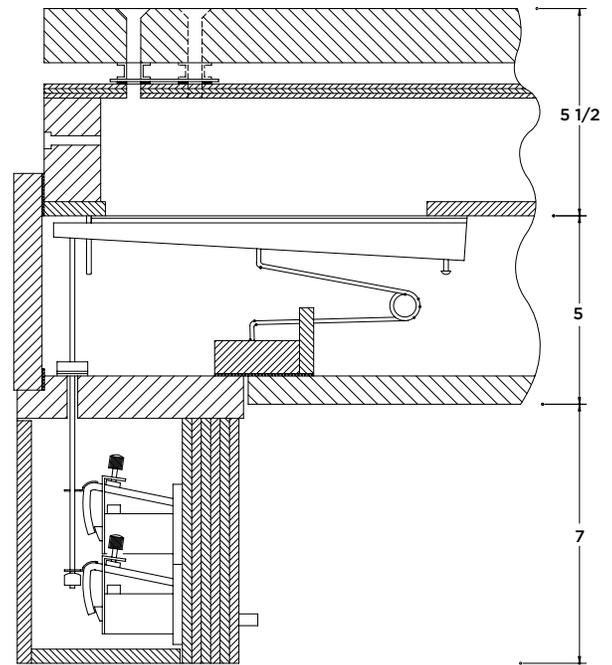
Manual and pedal windchests are custom-crafted to the individual organ builder's requirements. Chests can be furnished as Pitman, Unit or Electro-Mechanical Unit. Mechanical, Electro-Mechanical or Electro-Pneumatic Slider windchests are also available.

### Top-grade poplar and basswood construction

All windchests are built from top-grade poplar and voidless basswood plywood. Each is furnished complete with center-spotted rackboards, appropriate primaries and stop actions, per specifications. All pouches and primary pneumatics are covered with top-grade pneumatic leather and are treated for additional protection. All Electro-Pneumatic chests incorporate Reisner chest magnets. We can also provide complete wiring, frame building and pipe racking, as well as built-in schwimmers, to fit builder specification.

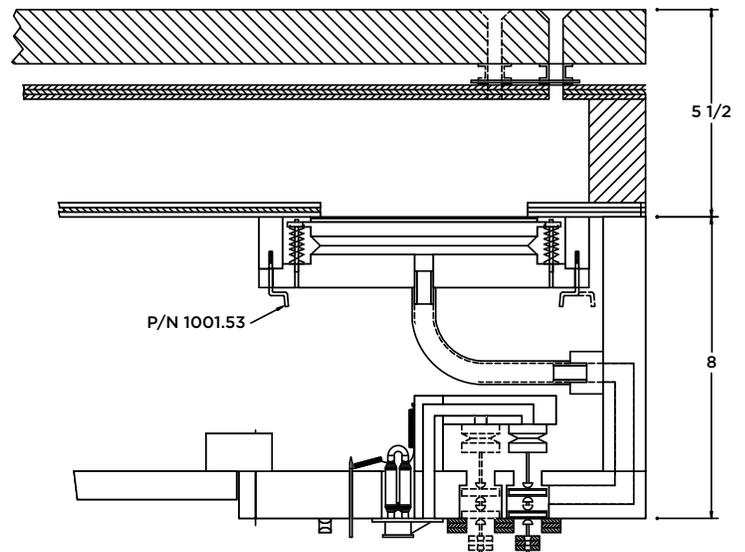
### 1000.00 Slider Chests

Slider chests are built from poplar, with voidless plywood used for the tables and toe boards. Telescopic seals and seal rings are employed along with phenolic sliders for stop action. Stop action and note action can be mechanical, electric SLIC motors, or motors of your choice. Schwimmers with pantograph springs can be built into the chests for wind control. Nominal toeboard width for an 8' or longer chest is 5 1/2".



### 1000.00 Electro-Pneumatic Slider Chests

The electro-pneumatic slider chest is the newest member of our broad line of windchests. The OSI electro-pneumatic pallet is an all new concept in slider chest note control. Influenced by the Blackinton concept, its unique design allows fuller wind flow to the channel, while maintaining the speech characteristics of the traditional manual or mechanical hinged pallet. Each single note action can be removed without tools for cleaning the pallet face, and no special techniques or materials are required for releathering. Pallet access is from the bottom, saving valuable walkboard space. The use of standard Reisner chest magnets reduces the electrical load and eliminates the need for heavy duty keying. Nominal toeboard width for an 8' or longer chest is 5 1/2".

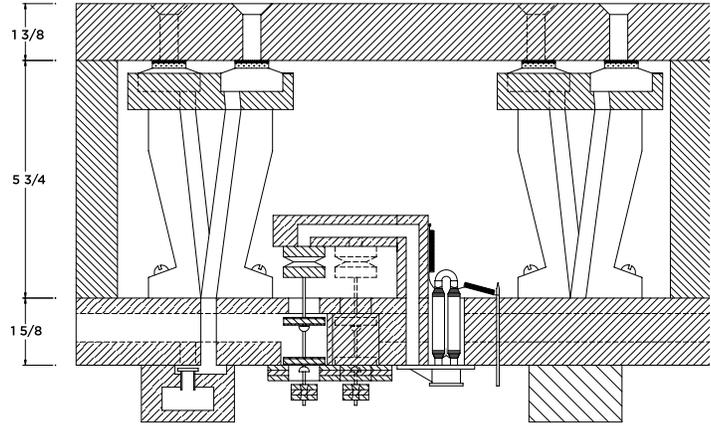


## Pitman Chests

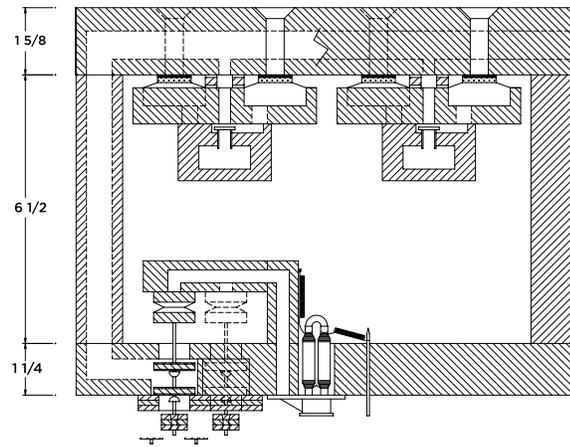
1100.00

Pitman chests are constructed in three styles.

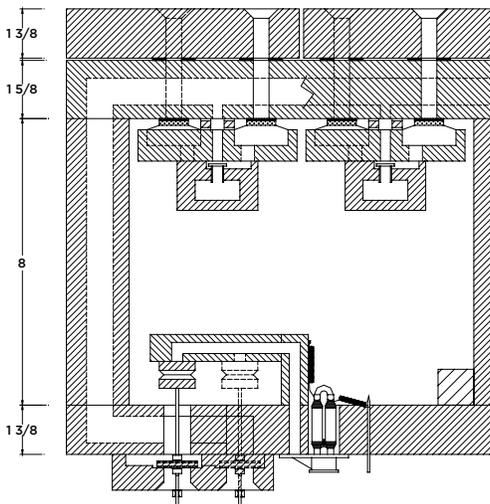
**Style #1** employs primary channeling in the bottom boards, with the pouch boards attached. The Pitman rail is on the outside of the bottom board, allowing the entire action to be removed with the bottom board. Nominal toeboard width for an 8' or longer chest is 6 1/2".



**Style #2** has the primary channeling in the toe board. The pouch boards are fastened to the toe board and the Pitman rail is, in turn, attached to the pouch board. The primary and stop actions are attached to the bottom of the chest. Built-in schwimmers can be used with this style. Nominal toeboard width for an 8' or longer chest is 7 1/2".



**Style #3** has the primary channeling in the top table of the chests. Each toeboard and rackboard are separate and removable for easy racking of pipes without disassembly of the chest mechanism. The pouch rails with pitman rail are fastened to the chest table. The primary and stop actions are attached to the bottom of the chest. The primary can be mounted on the side of the chest. Built-in schwimmers can be used with this style. Average width per stop on an 8'0" or longer chest is 6-1/2"

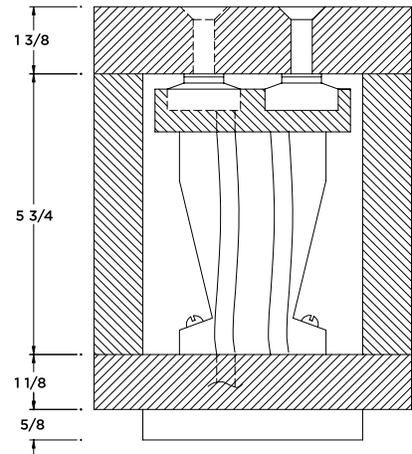


Primaries will accommodate up to 10 stops. Two chests are required for 11 stops or more. Unit chests may be combined with Pitman chests. Pitman chests will operate on wind pressure as low as 2". Normal lengths range from 8'-0" to 9'-6". Special lengths and layouts can be accommodated.

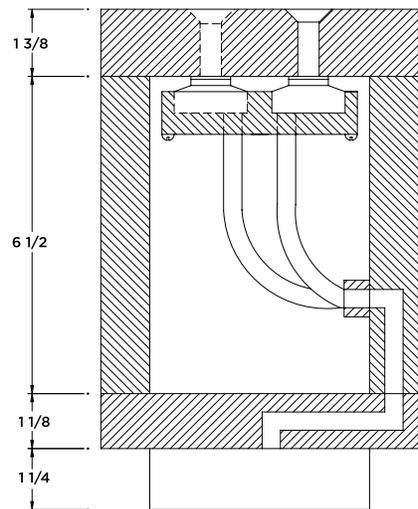
## Unit Chests

**1200.00** Unit chests are constructed in two styles with the action in the bottom bung. Side bung actions can be provided. Primaries are recommended for all toe holes larger than 1/2". Unit chests will operate on wind pressure as low as 2".

**Style #1** has the pouch boards attached to and tubed to the bottom boards. This allows the entire action to be removed with the bottom board.



**Style #2** has the pouch rail attached to the top board and tubed to the side rail. The bottom board with magnets and primaries is then removable separately.



## Extras for Pitman and Unit Chests

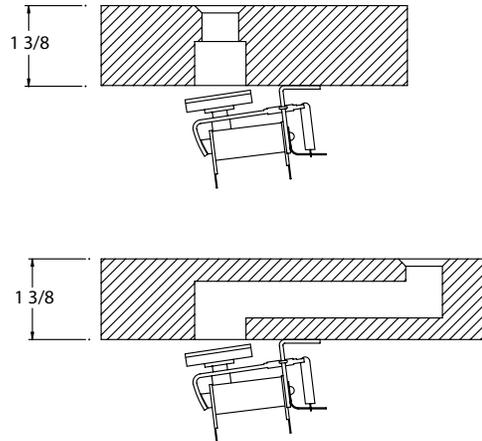
Options available for Pitman and Unit chests include wiring, channeling for mixtures, offnote contact blocks and unit actions where a stop on a Pitman chest is borrowed into the pedal.

## Manual Chest Shells

- 1250.00** Chest shells are custom-built without actions to accommodate the time-proven Reisner 601 Direct Action Magnet or customer specified electro-mechanical note actions. Chest shells are supplied with pre-bored toe boards, center-spotted rackboards, and plain bottom boards. Finished per instructions, they are ready for installation of actions. Schwimmers and tremolo pneumatics are available.
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## 601 Unit Chests

- 1280.00** Unit chests utilizing the reliable Reisner 601 Direct Action Magnets are individually scaled to your requirements, complete with center-spotted rackboards and actions installed. These chests can be provided with counter-bored or cross channel holes as illustrated. All 601 chests are wired with 10 feet of free cable to either a spreader, junction, or connector. The bottom of the chest can be a plain bung or a schwimmer with or without a tremolo pneumatic. These chests are an economical alternative that provide a highly versatile form of chest construction.



## Offset Chests and Treble Extension Chests

Chests for pedal stops, larger manual pipes and treble extension pipes that must be offset can be provided in one or more sections. When built to sit on the floor, a front bung is used. Bottom bungs are used for elevated mounting. For larger pipes, butterfly valves are installed per specification. Primaries are not required for treble pipes.

- 1300.00** Offset Chest for 16' or 8' Basses  
**1310.00** 12 Note Treble Extension Chest



**Releathering**

**1930.00** Releathering services are available for manual and pedal pouches, pneumatics, tremolos, reservoirs, swell motors, and all other actions.

**Pipe Racking and Wiring**

Additional services are available to minimize work at the job site. These include:

Bored Rackboards furnished per instructions. All pipes furnished by OSI can be racked.

Upright Supports with scalloped or straight racks recommended for 8' and 16' zinc, reed, or wood pipes on both offset and manual chests.

Chest Wiring with specified free cable lengths terminating in spreaders, junctions, or connectors installed per specifications.

**Building and Floor Frame**

**1940.00** Building frames for one or more chests with floor frames are constructed to drawings or instructions. Passage boards and organ ladders complete the package.

**Chest Check Sheet**

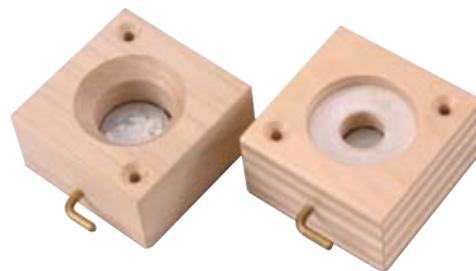
Chest Check Sheets are required for each chest. In order to simplify communications and minimize errors, please complete the Chest Check Sheet as accurately as possible.

**Toe Blocks**

Toe blocks complete with butterfly valves are constructed to fit individual pipes without lead toes. Pipe toe sits in felted recess. Can be bored for Orgaflex. Blocks have corked mounting surface and are secured with 2 screws. Provide O.D. of pipe toe and I.D. of toeboard hole.

**1-1/8" H**

**1325.00** Recessed  
**1325.01** Counter Sink



Counter Sink

Recessed

## Pitmans and Pitman Retainers

Thickness, diameter, and consistency are critical for correct operation of leather Pitman valves. Standard OSI and Möller replacement Pitman valves meet these requirements. Custom Pitmans provided per sample.

Line		Ø	Thickness
<b>1189.00</b>	OSI Pitmans	1/2"	.040/.050"
<b>1190.00</b>	Möller Standard Pitman	9/16"	.018"
<b>1190.10</b>	Möller Low Pressure Pitmans	5/8"	.027"
<b>1192.00</b>	Special Pitman Valves, per sample		



Line		I.D.	O.D.	Length
<b>1191.00</b>	Möller Pitman Retainers	5/16"	15/16"	1-1/4"
<b>1191.10</b>	Möller L.P. Pitman Retainers	3/8"	15/16"	1-7/16"



## Straight Pouch Springs

Phosphor bronze, in packages of 100.

3/8" Ø O.D. x 1-5/8" L

Size	Wire Size
<b>1500.13</b>	Super Light .013"
<b>1500.14</b>	Extra Light .014"
<b>1500.16</b>	Light .016"
<b>1500.18</b>	Medium .018"
<b>1500.20</b>	Heavy .020"



## Straight Pouch Springs—Möller

Designed as a replacement for Möller pouch springs or for use where a shorter spring is required. Phosphor bronze, in packages of 100.

7/16" Ø O.D. x 1-1/4" L

Size	Wire Size
<b>1501.16</b>	Light .016"
<b>1501.18</b>	Medium .018"
<b>1501.20</b>	Heavy .020"



### Spring Guide & Retainer—Möller

- 1518.06** Möller Felt Spring Guide, 5/16" O.D. x 1/4" H
- 1519.00** Möller Paper Pouch Spring Retainers, 7/8" Ø

### Tapered Pouch Springs

Phosphor bronze, in packages of 100.

1/4" Ø top, 5/8" Ø bottom, 1-5/8" L

Size	Wire Size
------	-----------

- |                |             |       |
|----------------|-------------|-------|
| <b>1505.14</b> | Extra Light | .014" |
| <b>1505.16</b> | Light       | .016" |
| <b>1505.18</b> | Medium      | .018" |
| <b>1505.20</b> | Heavy       | .020" |



### Conical Pouch Springs

Phosphor bronze, in packages of 100.

1/8" Ø top, 1/2" Ø bottom, 1-3/8" L

Size	Wire Size
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- |                |             |       |
|----------------|-------------|-------|
| <b>1510.16</b> | Extra Light | .016" |
| <b>1510.18</b> | Light       | .018" |
| <b>1510.19</b> | Medium      | .019" |
| <b>1510.20</b> | Heavy       | .020" |



### Metal Valve Seats

Individual aluminum primary valve seat, gasket and bushed valve guide. Available in two sizes. Mounts in 1-1/16" boring with No. 3 x 1/2" RHWS. Valve seat drop from surface 1/4".

1-9/16" Ø O.D.

- 1520.51** 1/2" ID Metal Valve Seat
- 1520.52** 5/8" ID Metal Valve Seat
- 1520.53** Gasket

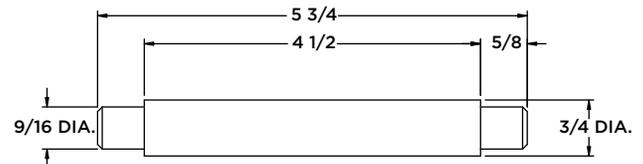


- 1520.54** Valve Guide



### Rack Pin

- 1545.00** Hardwood, unfinished.



### Offset Contact Block

- 1560.00** Install over existing pipe hole. Double contact.

3-1/4" L x 1-3/4" W x 3/4" H



## Pipe Hooks

**Kind**      **Description**

- 1600.01** Wood      3/16" galvanized steel wire.  
Requires 9/16" rack hole.  
  
1-1/2" W x 2-3/8" L



- 1600.02** Metal      With neoprene sleeve 5/8" W.  
  
1/2" W x 1-9/16" H  
x 1-9/16" D



- 1600.03** Pipe Pin      Electro-plated.  
  
3/16" D x 2-5/8" L



- 1600.04** Metal  
Copper  
or Zink



- 1600.05** Metal  
Copper  
or Zink



- 1600.06** Metal  
Copper  
or Zink



- 1605.01** Dag Screws 3/4" thread, 1/8" Ø x 1-5/8" L.



## Bracing Material

Poplar, clear lacquer finish.

**Size**

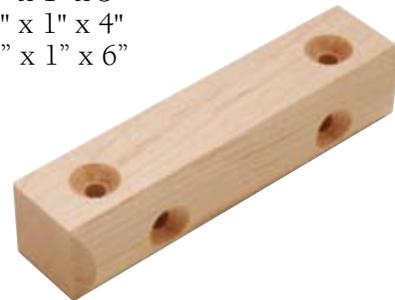
- 1625.03** 7/8" x 3" x 10'  
**1625.04** 7/8" x 3-1/2" x 10'  
**1625.05** 7/8" x 4" x 10'

## Cleat

Hardwood, finished with clear lacquer.  
4 screw holes for No. 10 FHWS.

**Size**

- 1650.03** 7/8" x 1" x 3"  
**1650.04** 7/8" x 1" x 4"  
**1650.06** 7/8" x 1" x 6"



## Rackboard Sizing Jig

- 1199.00** A convenient tool used to determine rackboard hole sizes. 2-piece set in 52 gradations 2-7/8" Ø to 1/4" Ø.

Each section 37-1/2" L x 7" W x 6-3/8" H  
Shipping Weight: 30 lbs.



## SLIC Motor

**1700.00** Designed to provide fast, reliable operation under the heaviest loads for new or old slider chests, mechanical couplers, and tripper combination actions. Built-in travel adjustment eliminates the need for end stops or limit switches. Screwdriver adjustment of travel. Automatic cut-out prevents motor damage. Complete with control PC Board.

### Specifications

Travel	Infinitely adjustable 3/8" to 1-1/2"
Accuracy	Better than .015"
Max. Pull	22 lbs. over 3/4"
Voltage	12-16 VDC
Current	Control card draws On-50 ma. Off-0 ma. Motor draws 1.5A for 0.2 seconds via mains, not stop switch.
Dimensions	2-9/16" W x 6-1/8" L x 5-1/2" H
Weight	3 lbs. net. 5 lbs. gross.



**1700.04** SLIC Replacement Control Card

**WE ALSO CARRY LAUKHUFF SLIDER MOTORS!**

## Magnet Boards and Primaries

These components are used for converting existing pneumatic actions to electrical operation or for replacing existing primary actions. For exhaust of a unit action primary, use a magnet board. If space is not available, use a magnet box and tube to action. If exhaust load is heavy or fast action is essential, a magnet box with valve (primary) is used. For inflate action, a magnet box with valve (primary) is required. Specify note scale and space available.

### Description

**1800.00** Magnet board  
**1810.00** Magnet box  
**1820.00** Magnet and primary action

## Stop Action

Individual stop action with vent is used to control air supply to individual chests, actions, and other similar components. Use stop action without vent as a cutoff for concussion bellows. 4" Ø inlet, 3" Ø outlet.

7-3/4" W x 8-3/8" D x 14-3/4" L O.A.  
Shipping Weight: 9 lbs.

### Description

- 1900.01 With vent
- 1900.02 Without vent



## Lieblich Gedeckt Action

- 1925.00 This unit is designed with two stop actions mounted on a pressure regulator to obtain a softer sound from the single Pedal Bourdon. Furnishes high and low pressure to same set of pipes. One conductor required from action to chest. 4" Ø inlet, 3" Ø outlet.

19-1/4" W x 18" D x 19" H O.A.  
Shipping Weight: 15 lbs.

