

# Batching & Bins





# Batching & Bins Catalog 2023

## Table of Contents

	Page
Batching.....	13
Dust Collection .....	3
Bin Indicators.....	20
Conveyor Accessories .....	9
Index.....	28
Pneumatic.....	10
Transporters .....	18
Vibrators .....	18

### **BESSER TERMINOLOGY**

















AAT - at-a-time  
cu ft - cubic foot  
cu yd - cubic yard  
D - depth  
ETI - equivalent thickness  
in inches  
ETMM - equivalent thickness  
in millimeters  
ft lb - foot pound  
H - height  
ID - inside diameter  
L - length  
LH - left hand  
NM - Newton Meter  
OD - outside diameter  
req'd - required  
RH - right hand  
SOP - set of parts  
sq - square  
W - width  
yd - yard

## **SAFETY BULLETIN**

This notice is issued to advise you that some previously accepted shop practices may not be keeping up with changing Federal and State Safety and Health Standards. Your current shop practices may not emphasize the need for proper precautions to insure safe operation and use of machines, tools, automatic loaders and allied equipment and/or warn against the use of certain solvents or other cleaning substances that are now considered unsafe or prohibited by law. Since many shop practices may not reflect current safety practices and procedures, particularly with regard to the safe operation of equipment, it is important that you review your practices to ensure compliance with Federal and State Safety and Health Standards.

### **IMPORTANT**

The operation of any machine or power-operated device can be extremely hazardous unless proper safety precautions are strictly observed. Observe the following safety precautions:

-  Always be sure proper guarding is in place for all pinch, catch, shear, crush and nip points.
-  Always be sure that all personnel are clear of the equipment before starting it.
-  Always be sure the equipment is properly grounded.
-  Always turn the main electrical panel off and lock it out in accordance with published lockout/tagout procedures prior to making adjustments, repairs and maintenance.
-  Always wear appropriate protective equipment such as safety glasses, safety shoes, hearing protection and hard hats.
-  Always keep chemical and flammable material away from electrical or operating equipment.
-  Always maintain a safe work area that is free from slipping and tripping hazards.
-  Always be sure appropriate safety devices are used when providing maintenance and repairs to all equipment.
-  Never exceed the rated capacity of a machine or tool.
-  Never modify machinery in any way without prior written approval of the Besser engineering department.
-  Never operate equipment unless proper maintenance has been regularly performed.
-  Never operate any equipment if unusual or excessive noise or vibration occurs.
-  Never operate any equipment while any part of the body is in the proximity of potentially hazardous areas.
-  Never use any toxic flammable substance as a solvent cleaner.
-  Never allow the operation or repair of equipment by untrained personnel.
-  Never climb or stand on equipment when it is operational.

It is important that you review Federal and State Safety and Health Standards on a continual basis. All shop supervisors, maintenance personnel, machine operators, tool operators, and any other person involved in the set-up, operation, maintenance, repair or adjustment of Besser built equipment should read and understand this bulletin and Federal and State Safety and Health Standards on which this bulletin is based.

### **WARNING**

Using the wrong replacement part(s) may create a hazard or undesired condition. Accordingly, play it safe and be certain in selecting your replacement parts. To help identify parts, this catalog is arranged in sections which are supplemented with many illustrations and pictures which may NOT reflect associated or nearby safety guards and signs. For machine safety related matters, consult your machine's operating manual or contact Besser directly.

**REMEMBER: Turn off all power and lock out machine panels before servicing and DO NOT operate machinery without all guards in place.**

Trusted since 1904, Besser Company is recognized as the leader for quality concrete products equipment and parts for the masonry, hardscape, pipe and precast and wet cast markets of the industry. Our products are designed, manufactured and wholly supported by a team of talented employees.

Order parts by contacting your local Besser Representative, the Customer Service Department or e-mail [partsales@besser.com](mailto:partsales@besser.com).

**NAME PLATE DATA:** When ordering replacement parts, please provide the Besser machine model, serial number and any data found on a component's name plate, such as the manufacturer's name, model number and serial number.

**MERCHANDISE AVAILABILITY:** Besser maintains an inventory of mold and machine parts. Please contact Besser for parts availability.

**RETURN POLICY:** Beginning on 1 January 2016, a 20% restocking fee will be accessed on all parts returned due to errors caused by ordering from catalogs and manuals dated prior to 2000. Our goal is to provide you with the correct replacement parts the first time. However, a large number of parts listed in older Besser catalogs and manuals have been replaced by new numbers based on vendor changes and equipment upgrades. Older catalogs should simply be used for reference only. Please help us to help you by checking all part numbers from catalogs dated prior to 2000. When possible, compare the catalog part number with the number stamped on the existing part. Ultimately the best resource for part numbers is the original group parts list (GPL) that your Besser equipment was built to. If you are unsure of a part number, please feel free to contact your Besser Representative or the Customer Service Department before placing your order.

**AUTHORIZED RETURN PROGRAM:** Parts returned must have written authorization from Besser Company. Unauthorized return of parts will not be accepted at any Besser facility or by any Besser Representative. Shipments of parts to Besser and to the Buyer shall be paid by Buyer. Credit will be issued for the cost of freight and for the full value of such material when the circumstance is a result of a Besser error. Please inspect all merchandise upon receipt and notify Besser immediately of any claims, in writing, no later than 30 calendar days after receipt. Consult with your local Besser Representative or the Customer Service Department for further information.

**CANCELLATION:** Buyer may not cancel an equipment agreement if the equipment has already been shipped. Prior to shipment of the equipment, Buyer may cancel only upon written acceptance from Besser and upon Buyer agreeing to the following:

- a) In the case of standard equipment, Buyer shall pay Besser 20% of the Buyer's purchase price as cancellation charges.
- b) In the case of any product or system modified or made to order for the Buyer, the Buyer shall pay all the engineering and manufacturing costs up to the date of acceptance of the cancellation by Besser.
- c) Payment of cancellation charges shall be made by the Buyer upon receipt of a statement from Besser. Cancellation charges shall not exceed the purchase price.

The following are trademarks of Besser Company:  
APEX, Bescopac, Besser, Besser-Matic, Blockmakers Workshop, Dynapac, Master Blockmaker,  
Servopac, SmartPac, Superpac, Ultrapac, Vibrapac and VIBRO-MAC.

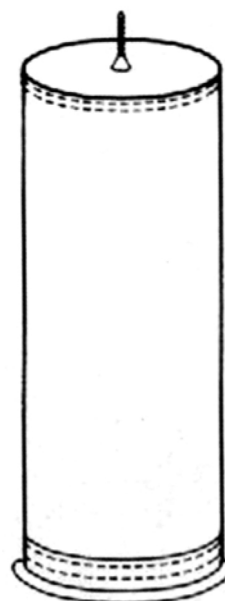
Additional copies of this catalog are available by calling  
+1.989.354.1000 or 1.800.530.9991.  
e-mail: [partsales@besser.com](mailto:partsales@besser.com) or it can be downloaded from our web site at [www.besser.com/parts](http://www.besser.com/parts)

Some photos and illustrations may vary slightly from actual product.

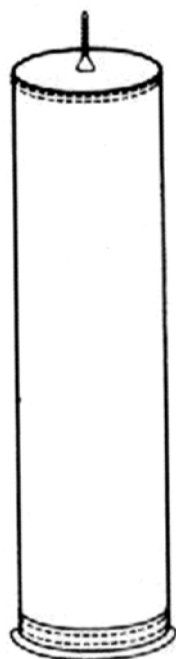
## Dust Collection Bags for Dust Collectors



Part Number	Qty	Description
01999-400012	12	Polyester sateen cloth, fiber disc with threaded stud in top, beaded cuff bottom; for model DCS-150 dust collector.
01999-400013	30	Polyester sateen cloth, fiber disc with threaded stud in top, beaded cuff bottom; for model DCS-150 dust collector.



Part Number	Qty	Description
01999-400007		Polyester sateen cloth, disposable metal cap top, metal anti-collapse ring sewn in outside of tube, double bead snap ring bottom
	16	For model 1640 dust collector
	17	For model 1740 dust collector

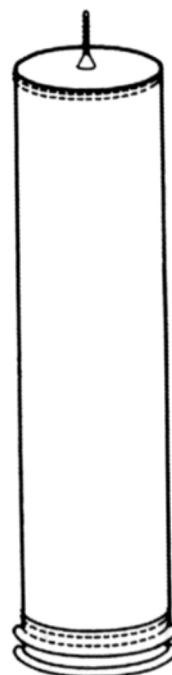


Part Number	Qty	Description
01999-400014	16	Polyester sateen cloth, disposable metal cap top, metal anti-collapse ring sewn to outside of tube, beaded cuff bottom; for model 1640 dust collector

Part Number	Qty	Description
01999-400027	12	Polyester sateen cloth, fiber disc with threaded stud in top, beaded cuff bottom; for model DCS-250 dust collector
01999-400028	30	Polyester sateen cloth, fiber disc with threaded stud in top, beaded cuff bottom; for model DCS-250 dust collector

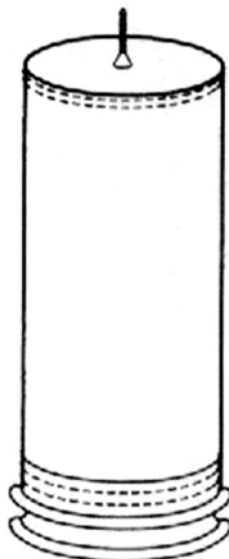
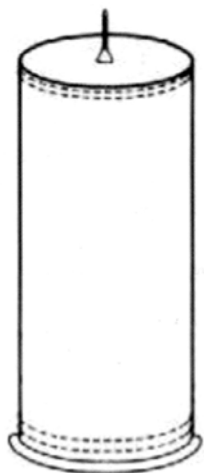


Part Number	Qty	Description
01999-400008	42	Polyester sateen cloth, fiber disc with threaded stud in top, double bead snap ring bottom; for model DSC-260 dust collector

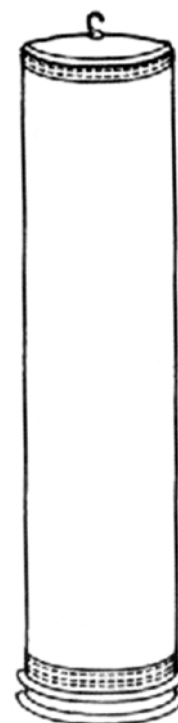


### Dust Collection Bags for Batcher Vent

Part Number	Qty	Description
01999-400018	14	Polyester sateen cloth, fiber disc with threaded stud in top, beaded cuff bottom; for model DCS-14 batcher vent (old style)



Part Number	Qty	Description
01999-400019	7	Polyester sateen cloth, metal disposable cap in top, beaded cuff bottom. Double bead snap ring bottom; for model DCS 7-24 batcher vent.



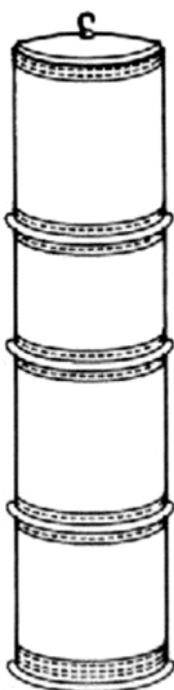
Part Number	Qty	Description
01999-400006	14	Polyester sateen cloth, fiber disc with threaded stud in top, double bead snap ring bottom; for model DCS-14S batcher vent

### Dust Collection Bags for Bag House

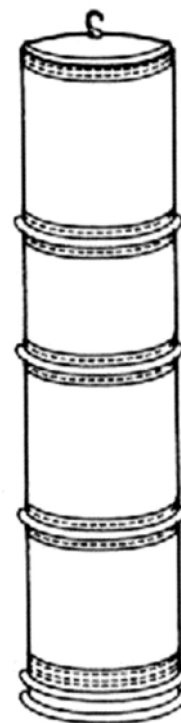
Part Number	Qty	Description
01999-400017	168	Polyester sateen cloth, felt top, raw edge bottom for use with cage; for model 1492 bag house



Part Number	Qty	Description
01999-400009	60	Seamless polyester sateen tube, disposable metal cap top, metal anti-collapse rings sewn to outside of tube, beaded cuff bottom; for model 60-7000 bag house



Part Number	Qty	Description
01999-400011	60	Seamless polyester sateen tube, disposable metal cap top, metal anti-collapse rings sewn to outside of tube, double bead snap ring bottom; for model 60-7000A bag house.
01999-400012	60	Hanger springs (one bag contains 60 pieces)



## Yoke End Assembly

Part Number	Description
01999-400106	Door latch for model DCS-1740 dust collector



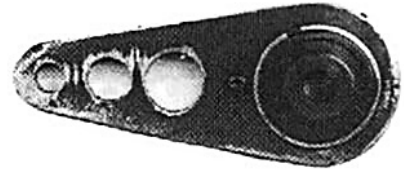
## Yoke Ends with Pins

Part Number	Description
01999-400108	Bag suspension frame for models DCS-150, DCS-250 and DCS-260 dust collectors



## Eccentric Arm

Part Number	Description
01999-400045	Eccentric arm (without pins) for model DCS-260 dust collectors
01999-400067	Shaker mechanism on models 1640 and 1740 dust collectors
01258-000002	Clevis pin for DCS-260 eccentric arm
01251-000001	Cotter pin for DCS-260 eccentric arm



## Rod End Bearing Assembly

Part Number	Description
01508-400002	1/2" for shaker mechanism on DCS-250 dust collectors



## Eccentric Shafts



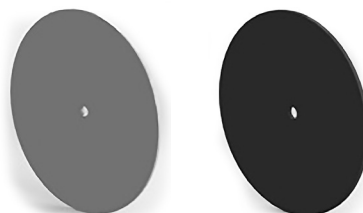
Part Number	Description
01999-400046	For model DCS-260 dust collectors
01999-400040	Shaker mechanism for models 1640 and 1740 dust collectors
01999-400075	For models DCS-150 and DCS-250 dust collectors

## Tri-Valve Disc & Seal

Repair your 60-7000(A) central dust collectors with this replacement seal and backing disc tri-valve

Part Number	Description
0450-0270011	Backing disc
0450-0270012	Rubber seal disc

See page 145 for cylinder 01431-000036



**V-Belt**

<u>Part Number</u>	<u>Description</u>
01512-400003	Shaker mechanism on model DCS-1640, 1740, 250 and 260 dust collectors



---

**Driven Sheave**

<u>Part Number</u>	<u>Description</u>
01512-400001	For model DCS-260 dust collectors



<u>Part Number</u>	<u>Description</u>
01512-400004	Shaker mechanism on model DCS-260, DCS-1640 and DCS-1740 dust collectors



---

**Bushings**

<u>Part Number</u>	<u>Description</u>
01999-400109	Bushings for yoke ends on DCS-150, DCS-250 and DCS-260 dust collectors



<u>Part Number</u>	<u>Description</u>
01594-400003	Sheave bushing for DCS-260
01594-700006	Sheave bushing for DCS-1640 and 1740 dust collectors



---

**Pillow Block Bearing**

<u>Part Number</u>	<u>Description</u>
01509-400014	3/4" for shaker mechanism on DCS-150, DCS-250 and DCS-260 dust collectors



<u>Part Number</u>	<u>Description</u>
01509-400016	For shaker mechanism for models DCS-1640 and DCS-1740 dust collectors



---

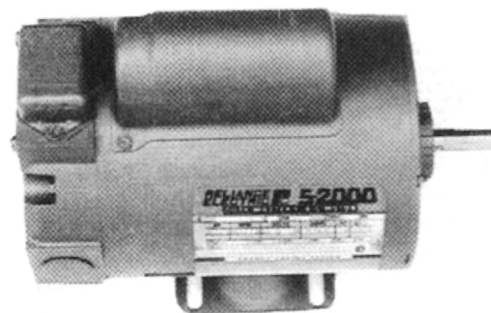
**Eccentric Bearing**

<u>Part Number</u>	<u>Description</u>
01509-400001	For shaker mechanism on DCS-640 and DCS-1740 dust collectors



**Electric Motor**

<b>Part Number</b>	<b>Description</b>
01570-400001	1/3 hp, 60 Hz., 115 V, NEMA 48 frame model D-1041 for model DCS-150, DCS-250 and DCS-260 dust collectors



---

**Besser Bag House Control Unit**

<b>Part Number</b>	<b>Description</b>
0420-0290025	Control unit - use with DCS-60-7000 bag house



---

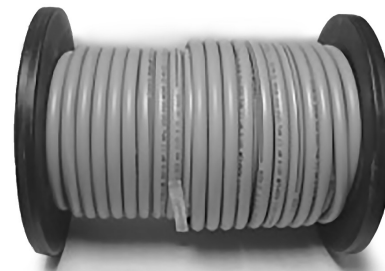
**Besser Dust Collector Timer Control**

<b>Part Number</b>	<b>Description</b>
0420-0290026	Timer control - use with DCS-150, DCS-250, DCS-260, DCS-1640 and DCS-1740 dust collectors



### ***Push Lock Air Hose***

<b>Part Number</b>	<b>Description</b>
01460-000005	1/2" 801-8 push lock air hose adapter fitting SAE 45 degree - 3/8" MPT (use with push lock air hose 01461-000013)



---

### ***Push Lock Female Swivel Fitting***

Use with push lock air hose.

<b>Part Number</b>	<b>Description</b>
01461-000009	Adapter fitting, SAE 45 degree - 1/2" MPT (use with push lock air hose 01461-000013)
01461-000013	1/2" female swivel fitting - SAE 45° - 1/2" MPT



---

### ***Adapter Fitting***

<b>Part Number</b>	<b>Description</b>
01461-000009	Adapter fitting, 1/2" SAE 45 degree - 1/2" MNPT. Use the BB swivel hose fitting for push lock air hose
01461-000010	Adapter fitting, 1/2" SAE 45 degree - 1/4" MNPT. Use the BB swivel hose fitting for push lock air hose
01461-000012	Adapter fitting, 1/2" SAE 45 degree - 3/8" MNPT. Use the BB swivel hose fitting for push lock air hose



H0



12

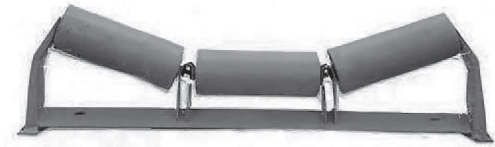


9

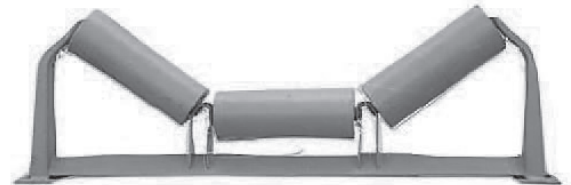
## Troughing Idler

CEMA B4, sealed, 4" roll for batching and radial stacking belt conveyor. Also available in 5" roll, ask your Besser Representative for more information.

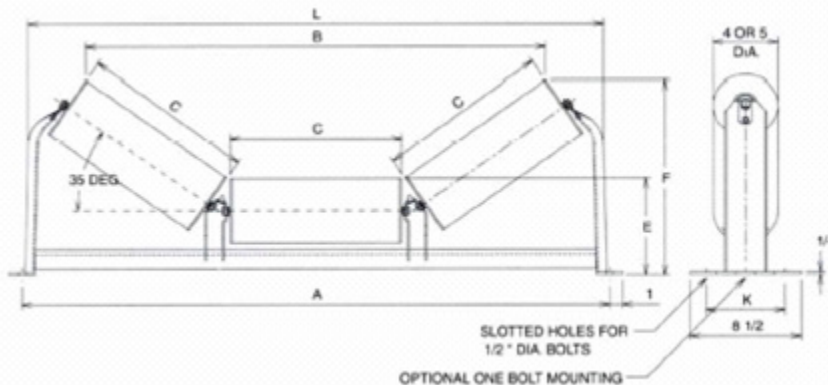
Part Number	Description
01530-000016	24" wide, 20°
01530-000017	30" wide, 20°
01530-000018	36" wide, 20°
01530-000008	24" wide, 35°
01530-000009	30" wide, 35°
01530-000010	36" wide, 35°



20°



35°



REFERENCE DIMENSIONS												
BW	A	B		C	E		F		K	L	WT	WT
		4" DIA	5" DIA		4" DIA	5" DIA	4" DIA	5" DIA			4"	5"
18	27	19-7/16	18-7/8	6-15/16	7	7-1/2	11-1/8	11-9/16	6	27-5/8	23	25
24	33	24-7/8	24-5/16	9	7	7-1/2	12-5/16	12-3/4	6	33	27	30
30	39	30-5/16	29-3/4	11-1/16	7	7-1/2	13-1/2	13-15/16	6	38-1/2	32	35
36	45	35-3/4	35-3/16	13-1/8	7	7-1/2	14-11/16	15-1/8	6	44	36	40
42	51	41	40- 7/16	15-1/8	7-1/4	7-3/4	16-1/8	16-1/2	7-1/2	49-1/4	44	49
48	57	46-5/16	45-3/4	17-1/8	7-1/4	7-3/4	17-1/4	17-11/16	7-1/2	54-1/2	49	54

## Troughing Trainer Idler

CEMA B4, sealed, 35°, 4" roll for batching and radial stacking belt conveyor and training conveyor belt.

Part Number	Description
01530-400004	24" wide
01530-400005	30" wide
01530-400006	36" wide



## Return Idler

CEMA B4, sealed, 4" roll with standard 2/3" drop hangers for batching and radial stacking belt conveyor.

Part Number	Description
01530-000011	24" ID, 1-1/2" drop hangers
01530-000012	30" ID, 1-1/2" drop hangers
01530-000013	36" ID, 1-1/2" drop hangers
01530-000041	24" ID, 13/16" drop hangers
01530-000042	30" ID, 13/16" drop hangers
01530-000043	36" ID, 13/16" drop hangers

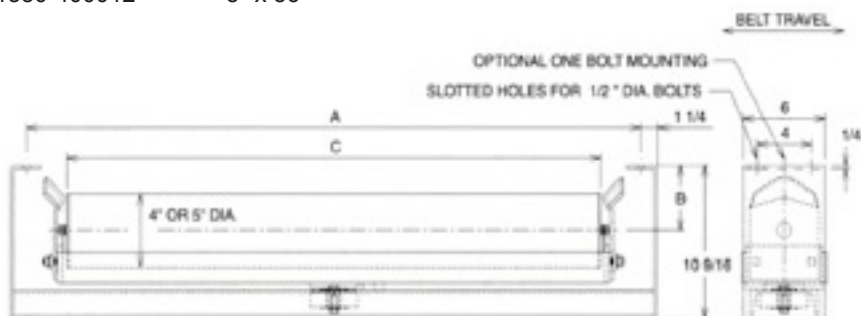


## Return Trainer

Batching and radial stacking belt conveyor.

Part Number	Description
-------------	-------------

01530-400007	4" x 24"
01530-400008	4" x 30"
01530-400009	4" x 36"
01530-400010	5" x 24"
01530-400011	5" x 30"
01530-400012	5" x 36"



"B" DROP DIMENSION  
1-1/2" STANDARD  
4-1/2" OPTIONAL

### REFERENCE DIMENSIONS

BW	A	C	WT	WT
			4" DIA	5" DIA
18	27	21-1/8"	59	61
24	33	27-1/8"	68	71
30	39	33-1/8"	76	80
36	45	39-1/8"	86	90
42	51	45-1/8"	94	99
48	57	51-1/8"	103	108

## Aerator Pad and Mount 5" Round

Part Number	Description
-------------	-------------

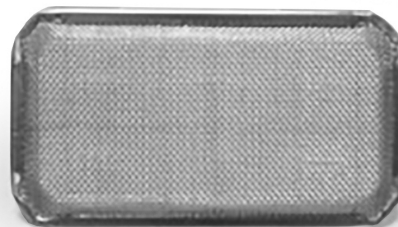
0420-0680045	Replaces 01429-400009 for cement silo aeration (repairable)
0450-0680063	Silo weld flange for cement silo aeration (repairable)



## Aerator Pad and Mounting Kit

Part Number	Description
-------------	-------------

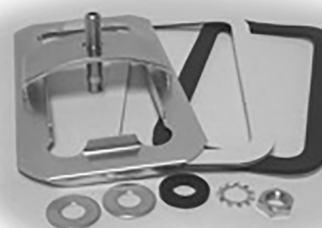
01429-400005	For cement silo aeration
--------------	--------------------------



## Mounting Kit

Part Number	Description
-------------	-------------

01429-400006	Mounting kit for external mounting of aerator pad
--------------	---



### ***Air Jet***

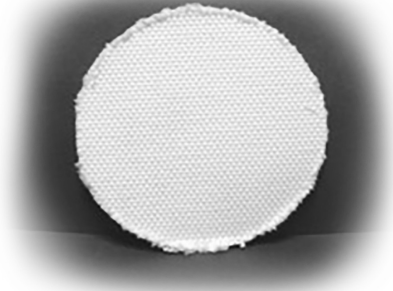
<b><u>Part Number</u></b>	<b><u>Description</u></b>
01429-600007	3/8" x 1/8" brass air jet for cement silo aeration
01429-600006	3/4" x 3/8" brass air jet for cement silo aeration



---

### ***Cotton Diaphragm***

<b><u>Part Number</u></b>	<b><u>Description</u></b>
01429-400003	Cotton diaphragm for repairs to round aerator pad



---

### ***Foam Rubber Gasket***

<b><u>Part Number</u></b>	<b><u>Description</u></b>
01429-400004	Foam rubber gasket for repairs to aerator pad



---

### ***Neoprene Gasket***

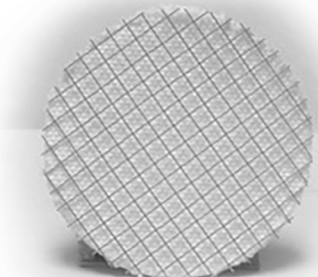
<b><u>Part Number</u></b>	<b><u>Description</u></b>
01429-400001	Neoprene gasket



---

### ***Replacement Screen***

<b><u>Part Number</u></b>	<b><u>Description</u></b>
01429-400002	Replacement screen for round aerator pad
01429-400003	Replacement cotton pad



## Air Flow Regulator

Use for speed control on air cylinders.

Part Number	Description
-------------	-------------

01402-000001	3/8"
01402-000002	1/2"



## Air Cylinder

Use with aggregate bin and weigh batcher gates. 5" bore x 10", 15" and 18" stroke air cylinder (magnetic) with eye mount, rod clevis and pivot pin.

Part Number	Description
-------------	-------------

01431-000018	10" stroke
01431-000019	15" stroke
01431-000020	18" stroke

See below for magnetic reed switch and mounts.



Use with aggregate bin and weigh batcher gates. 2MA series non-lube NFPA.

Part Number	Description
-------------	-------------

01431-000030	3-1/4" x 6" (magnetic)
01431-000030	4" x 8" (magnetic)
01431-000030	4" x 10" (magnetic)
01431-000030	4" x 12" (magnetic)
01431-000030	3-1/4" x 6"
01431-000030	4" x 8"
01431-000030	4" x 10"
01431-000030	4" x 12"

See page 158 and 159 for repair kits.

See page below for magnetic reed switch and mounts.



Use with two-stage cement silo cut-off assembly for 10" butterfly valve; two required per assembly.

Part Number	Description
-------------	-------------

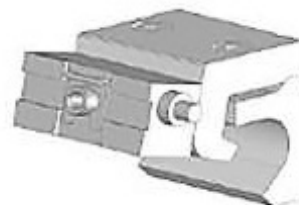
01431-000028	3-1/4" bore x 4" stroke air cylinder with F2 rectangular flange kit, female rod clevis and pivot pin
--------------	--



## Magnetic Reed Switch & Mount

Part Number	Description
-------------	-------------

01621-000041	Reed switch mounts
01621-400016	Up to 2" cylinder
01621-400015	Up to 4-1/2" cylinder
01621-400017	Up to 5" cylinder



## Rod End Clevis

Use with aggregate bin and weigh batcher gates.

Part Number	Description
-------------	-------------

01439-600001	Rod end clevis for a 4" air cylinder bore with pivot pin
01439-400001	Rod end clevis for a 5" air cylinder bore with pivot pin



01439-600001



01439-400001

### ***Air Cylinder***

Use 2-1/2" x 6" with 2" - 6" diameter keystone butterfly valve and 3-1/2" x 8" with 8" - 12" butterfly valve. Pillar 2-1/2" bore x 6" and 3-1/2" bore x 8" stroke air cylinder with 7010 and 7011 clevis mounting kits and pivot pins.

<b>Part Number</b>	<b>Description</b>
01431-000010	2-1/2" x 6"
01431-000011	3-1/2" x 8"



### ***Air Cylinder-Magnetic***

Use 2-1/2" x 6" with 2" - 6" diameter keystone butterfly valve and 3-1/2" x 8" with 8" - 12" butterfly valve.

<b>Part Number</b>	<b>Description</b>
01431-000008	2-1/2" x 6" (magnetic)
01431-000009	3-1/2" x 8" (magnetic)
01621-000041	Reed switch
01621-400015	Mount 2-1/2" x 6" cylinder
01621-600043	Mount 3-1/2" x 8" cylinder

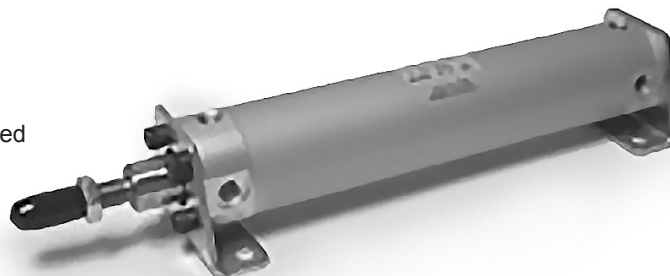
---

### ***Air Cylinder***

Use with damper valve on Besser 60-7000 and 60-7000(A) bag house.

<b>Part Number</b>	<b>Description</b>
01431-000036	1-1/2" bore x 6" stroke Air Cylinder with foot-mounted kits assembled to cylinder
01400-000008	Tr-valve solenoid

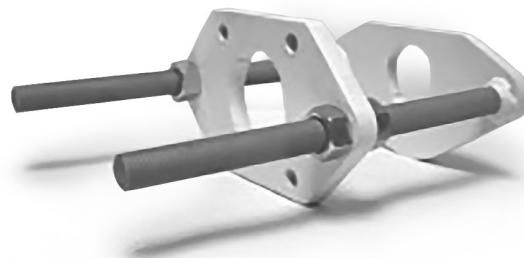
NOTE: Reference page 139 for the tri-value disc and seal.



---

### ***Gate Stop Assembly***

<b>Part Number</b>	<b>Description</b>
0440-0680001	Gate stop assembly for adjusting cylinder stroke - 4" bore
0440-0680043	Gate stop assembly for adjusting cylinder stroke - 5" bore

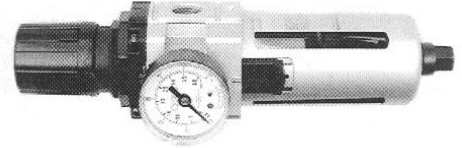


## Filters/Regulators

Regulates/filters plant air - aeration pads - low pressure.

Part Number	Description
01410-000009	Regulating/filtering plant air - aeration pads - low pressure - 60 PSI - 1/2" NPT
01410-000010	Regulating/filtering plant air - aeration pads - low pressure - 60 PSI - 3/4" NPT
01410-000007	Regulating/filtering plant air - high pressure - 160 PSI - 1/2" NPT
01410-000008	Regulating/filtering plant air - high pressure - 160 PSI - 3/4" NPT

Part Number	Description
06-AA-F12-400-A3TA	Filter for filtering plant air supply - auto drain - 1/2" NPT
06-AA-F12-600-A3TA	Filter for filtering plant air supply - auto drain - 3/4" NPT
01499-400002	Beach cylform filter replacement elements for #400 moisture trap



## Filter Elements

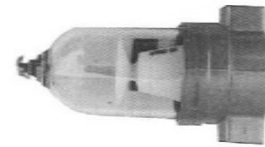
Cylform filter elements.

Part Number	Description
01499-400002	Replacement elements for Besser #400 moisture trap



## Lubricator

Part Number	Description
01499-000001	1/2" NPT lubricator
01499-400001	3/4" NPT lubricator



## Butterfly Valve

Water on/off control.

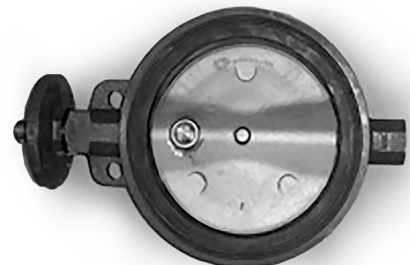
Part Number	Description
01402-400023	2" butterfly valve (aluminum/bronze disc)
01402-400022	3" butterfly valve (aluminum/bronze disc)
01402-400017	4" butterfly valve (aluminum/bronze disc)
01402-400005	6" butterfly valve (aluminum/bronze disc)



## Butterfly Valve

Cement and fly ash control. Ductile iron disc, undercut disc.

Part Number	Description
01402-400007	8" Keystone figure AR-1 butterfly valve
01402-400009	10" Keystone figure AR-1 butterfly valve
01402-400003	12" Keystone figure AR-1 butterfly valve



## Wrench Arm

Use with Keystone butterfly valves.

Part Number	Description
01402-400011	2" - 6" Keystone wrench arm
01402-400012	8" - 12" Keystone wrench arm



## Wrench Arm Adaptor

Use with Keystone butterfly valves for adapting valve stem to wrench arm.

Part Number	Description
01402-400032	2" keyed wrench arm adaptor
01402-400032	3" keyed wrench arm adaptor
01402-400033	4" keyed wrench arm adaptor
01402-400029	6" keyed wrench arm adaptor
01402-400034	8" keyed wrench arm adaptor

Part not required for 10" - 12" keyed wrench arm adaptor



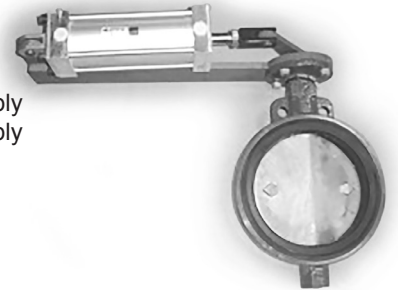
## Actuator Assembly

Weigh batcher and silo actuator assembly

Part Number	Description
01402-400002	3" (water) actuator assembly
01402-000005	4" (water) actuator assembly
01402-400006	6" (water) actuator assembly
01402-400008	8" actuator assembly
01402-400010	10" actuator assembly
01402-400004	12" actuator assembly

Weigh batcher using magnetic reed switch

Part Number	Description
01402-400015	4" (water) actuator assembly
01402-400024	6" (water) actuator assembly
01402-400050	8" actuator assembly
01402-400025	10" actuator assembly
01402-400026	12" actuator assembly
01621-000041	Reed switch
01621-400015	Mount 3" - 6" cylinder mount
01621-600043	Mount 8" - 12" cylinder mount



## Limit Switch Rod Lever

Part Number	Description
01620-000074	Rod lever for use with limit switch, aggregate gate and chute position indication

## Limit Switch

Part Number	Description
01620-400001	For position indication of gates, valves and chutes

## Limit Switch Roller Lever

Part Number	Description
06-EC-3X03-KI200	Roller lever for use with limit switch, cement and water butterfly valve position indication



## Castings

<u>Part Number</u>	<u>Description</u>
0420-0680054	Universal 9" radius casting assembly replaces both left and right castings
01599-400002	Steel casting for clamshell gate Replaces left: 01599-600002 Replaces right: 01599-600003



0420-0680054



01599-400002

---

## Clamshell Gate Pin

<u>Part Number</u>	<u>Description</u>
01539-400022	Gate pin round head, 1" diameter - 3"
01539-400169	Gate pin round head, 1" diameter - 4"



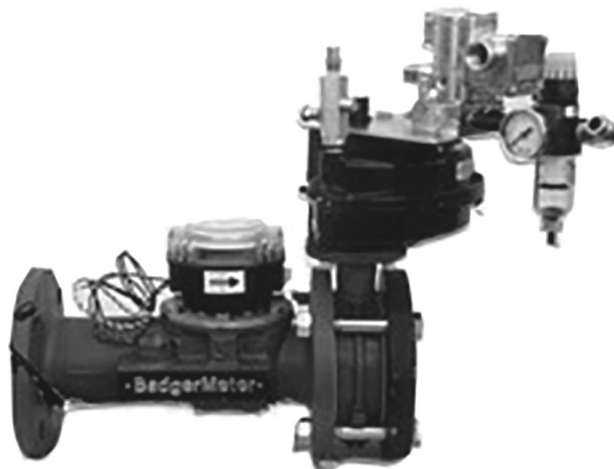
## Water Meters

Concrete batching system - hot water application for use with CB-20 batch controller.

<u>Part Number</u>	<u>Description</u>
01999-400060	2" turbo/butterfly valve water meter complete with PFT-3E unscaled transmitter
01999-400061	3" turbo/butterfly valve water meter complete with PFT-3E unscaled transmitter

Concrete batching system - hot water application for use with Aceco "Scorpion" batch controller.

<u>Part Number</u>	<u>Description</u>
01999-400041	2" turbo/butterfly valve water meter complete with PFT-4E scalable transmitter
01999-400039	3" turbo/butterfly valve water meter complete with PFT-4E scalable transmitter

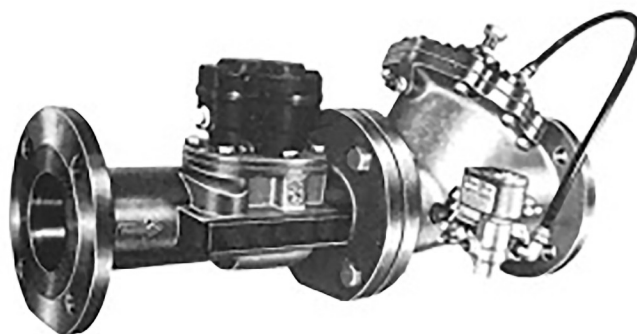


Concrete batching system - hot water application diaphragm valve for use with Aceco "Scorpion" batch controller.

<u>Part Number</u>	<u>Description</u>
01999-400062	2" turbo/valve water meter complete with PFT-4E scalable transmitter
01999-400063	3" turbo/valve water meter complete with PFT-4E scalable transmitter

Concrete batching system - hot water application diaphragm valve for use with GB-20 batch controller.

<u>Part Number</u>	<u>Description</u>
01999-400064	2" turbo/valve water meter complete with PFT-3E unsealed transmitter
01999-400065	3" turbo/valve water meter complete with PFT-3E unsealed transmitter



---

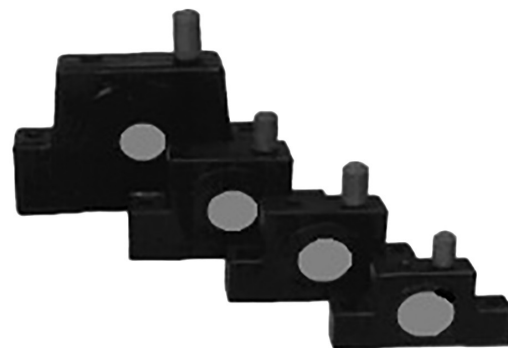
## Batch Controller

<u>Part Number</u>	<u>Description</u>
01999-400066	Model CB-20



***Vibrator - Ball***

<b>Part Number</b>	<b>Description</b>
01593-400009	16 for cement weigh batcher
01593-400010	19 for cement weigh batcher
01593-400011	35 for cement weigh batcher
01593-400003	41 for cement weigh batcher



---

***Piston Vibrator - Air Cushion***

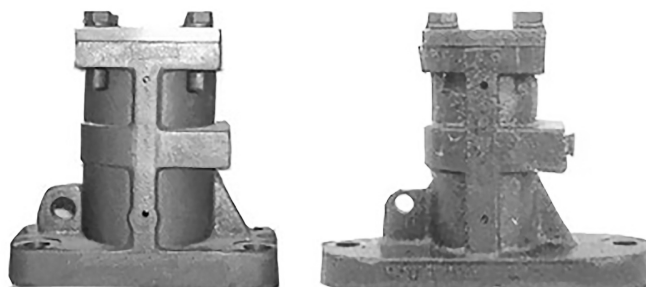
<b>Part Number</b>	<b>Description</b>
01593-400007	For aggregate weigh batcher and storage bins, 3-1/8" piston
01593-400008	For cement batcher, 2-1/4" piston



---

***Piston Vibrator - Impacting***

<b>Part Number</b>	<b>Description</b>
01593-400002	Impacting piston vibrator for aggregate weigh batcher and storage. 3-1/8" piston impacting
01593-400001	Impacting piston vibrator for cement weigh batcher. 2-1/4" piston impacting



---

***Turbine Vibrator - Pneumatic***

<b>Part Number</b>	<b>Description</b>
01593-000002	Model 250 For cement weigh batcher 2-1/4" piston
01593-400001	Model 510 For cement weigh batcher 2-1/4" piston



### ***Conveyor Belt Wiper Assembly***

<b>Part Number</b>	<b>Description</b>
01539-600001	18" wide
01539-600002	24" wide
01539-600003	30" wide
01539-600004	36" wide
01539-600005	42" wide
01539-600006	48" wide
01539-600007	54" wide
01539-600008	60" wide



#### **Replacement Blades**

<b>Part Number</b>	<b>Description</b>
01539-400152	24" wide
01539-400154	30" wide
01539-400155	36" wide

---

### ***Torsion Tube Style Conveyor Belt Wiper Assembly***

<b>Part Number</b>	<b>Description</b>
01539-000002	24" wide
01539-000003	30" wide
01539-000004	36" wide

#### **Replacement Blades**

<b>Part Number</b>	<b>Description</b>
01539-400077	24" wide
01539-400074	30" wide
01539-400001	36" wide

#### **Replacement Torsion Tubes**

<b>Part Number</b>	<b>Description</b>
01539-400122	Torque tensioner core mini
01539-400145	Torque tensioner core #2



### ***Bin Indicator***

Proximity control bin indicator, flanged model; use with low bin indicator flanged for mounted to bin wall.

<b>Part Number</b>	<b>Description</b>
01621-400009	Aggregate
01621-400010	Cement fly ash
0440-0140001	Optional weld flange



---

### ***Bindicator Power Pak***

Replacement for damaged Roto Bindicator power pak.

<b>Part Number</b>	<b>Description</b>
01629-400001	Power Pak



---

### ***Bindicator Shaft Coupling***

<b>Part Number</b>	<b>Description</b>
01621-400003	Shaft coupling for installing flexible shaft to Roto-Bindicator
01621-400005	Shaft coupling for installing flexible shaft to Roto-Bindicator



01621-400003

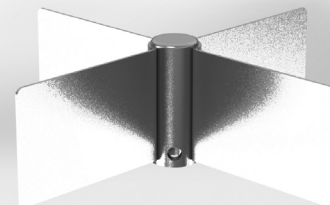


01621-400005

---

### ***Bin Indicator Paddle***

<b>Part Number</b>	<b>Description</b>
01621-400002	Bin indicator 2" x 7" stainless steel paddle, use with Roto-Bindicator



## Torque Motor

Part Number	Description
01621-400006	Replacement torque motor for model R Roto Bindicator

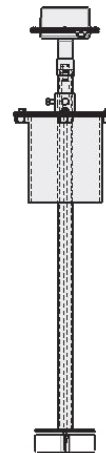


## Roto Bindicator with Adjustable Extension Assembly

Use with aggregate/cement high level indicator-use with Roto Bindicator.

Part Number	Description
0420-0140003	6"
0420-0140004	6' - 6"
0420-0140005	15'

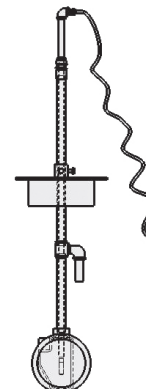
Other sizes are available, ask your Sales Representative for details.



## High Bin Signal Limit Switch for Cement, Fly Ash

Part Number	Description
0420-0140023	3' cement/fly ash
0420-0140022	5' cement/fly ash
0420-0140002	8' cement/fly ash

High bin signal limit switches are also available for aggregate, contact your Besser Sales or Customer Service Representative for more information.



## Proximity Controls Bin Indicator Suspended Model

The part is to be used with an extension assembly.

Part Number	Description
01621-400008	Aggregate
01621-000042	5' cement/fly ash



## Signal Unit

Besser combination light/horn signal indicator unit; use with high bin indicator.

Part Number	Description
0420-0290005	Combination light/horn signal indicator unit



## Dust Transfer Vent Hose

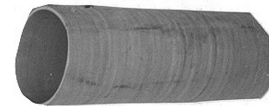
Part Number	Description
01469-400022	2" diameter
01469-400023	3" diameter
01469-400024	4" diameter
01469-400005	6" diameter
01469-400009	10" diameter
01469-400048	12" diameter

Custom sizes are available, contact your Besser Customer Service Representative.



## Gum Rubber Hose-Two Ply

Part Number	Description
01469-400002	6-5/8" ID for cement discharge
01469-400003	9" ID for cement discharge
01469-400007	20" ID for aggregate discharge
01469-400001	24" ID for aggregate discharge



Additional sizes are available, contact your Besser Sales or Customer Service Representative for assistance.

## Elephant Trunk Hose-Two Ply

Part Number	Description
01469-400013	20" ID for aggregate discharge
01999-600003	24" ID for aggregate discharge
01469-400025	30" ID for aggregate discharge



NOTE: Contact your Besser Customer Service Representative for replacement standard and custom head chutes.

## Band Clamps

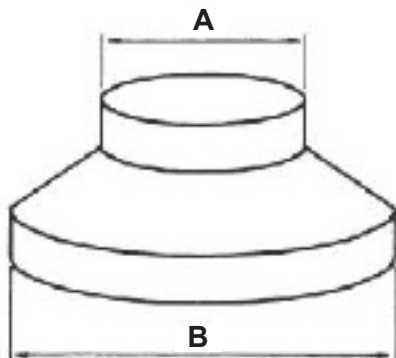
For discharge hoses and vinyl connectors.

Part Number	Reference	To Fit:
01999-400098	BA-1	7" OD tube
	BA-2	10" OD valve body
01999-400091	BA-3	10" OD ring
	BA-4	18-1/2" OD ring
	BA-5	20" OD ring - 01999-400117
01999-600004	BA-6	24" OD ring
01999-400092	BA-7	8" ID pipe
	BA-8	30" OD ring - 01999-400118
	BA-9	17" OD ring
	BA-10	23-3/8" OD ring - 01999-400121
	BA-11	18" OD ring - 01999-400110
	BA-12	7" ID pipe
	BA-13	16-1/2" ring
	BA-14	24" ID ring
	BA-15	11-1/2" OD ring - 01999-400127
01999-400052	BA-16	18-1/2" OD ring
	BA-17	20" ID ring
01999-400097	BA-18	6-1/2" OD plate ring
	BA-19	9" OD ring - 01999-400055
	BA-20	12" butterfly valve body - 01999-400056
01999-400058	BA-21	16" OD ring
	BA-22	15" OD ring
01999-400059	BA-23	14" OD ring
01999-000013	BA-25	25-1/2" ID hose
01999-400051	BA-33	11" OD ring
01999-400054		Custom size



Band Clamps- 000097-BA18, 00052-BA16

## Vinyl Connectors for Cement/ Fly Ash Batching Systems



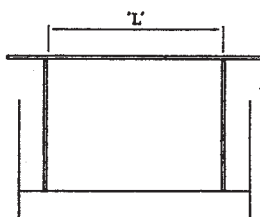
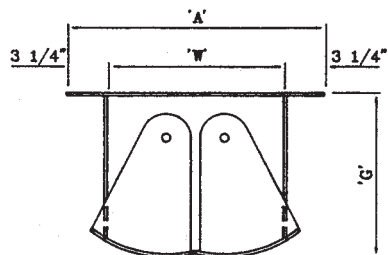
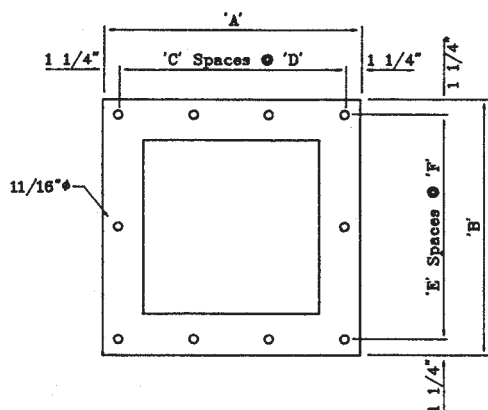
**Example:**  
VC = 1011  
A = 10  
B = 11

These vinyl connectors help to contain dust within charging systems and prevent water damage to cement batchers.

## Clamshell Gates

W	L	A	B	C	D	E	F	G
12	12	18-1/2	18-1/2	2	8	2	8	13-1/4
14	14	20-1/2	20-1/2	2	9	3	6	13-1/4
16	12	22-1/2	18-1/2	4	5	2	8	13-1/4
16	20	22-1/2	26-1/2	4	5	4	6	13-1/4
16	24	22-1/2	30-1/2	4	5	4	7	13-1/4
16	30	22-1/2	36-1/2	4	5	4	8-1/2	13-1/4
16	36	22-1/2	42-1/2	4	5	5	8	12-1/4
18	30	24-1/2	36-1/2	4	5-1/2	4	8-1/2	13-1/4
18	36	24-1/2	42-1/2	4	5-1/2	5	8	13-1/4
24	24	30-1/2	30-1/2	4	7	4	7	17-3/4
8	8	12	12	2	5	2	5	8-3/8
12	24	18-1/2	30-1/2	2	8	4	7	13-1/4
12	16	18-1/2	22-1/2	2	8	4	5	13-1/4

Part numbers are not available. Specify length and width when ordering from you Besser Representative..

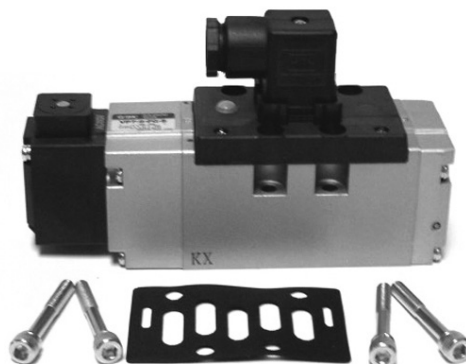


PART NUMBER	DESCRIPTION	A	B
VC-711	711 VINYL BOOT	7.25	11.25
01539-400020	712 VINYL BOOT	7.25	12.25
01539-400019	715 VINYL BOOT	7.25	15.25
VC-718	718 VINYL BOOT	7.25	18.25
VC-1008	810 VINYL BOOT	8.25	10.25
01539-400142	811 VINYL BOOT	8.25	11.25
01539-400068	816 VINYL BOOT 12L	8.25	16.25
VC-816	816 VINYL BOOT	8.25	16.25
VC-911	911 VINYL BOOT	9.25	11.25
01539-400170	9.515 VINYL BOOT	9.75	15.25
VC-918	918 VINYL BOOT	9.25	18.25
VC-924	924 VINYL BOOT	9.25	24.25
VC-1008	810 VINYL BOOT	8.25	10.25
01539-400033	1011 VINYL BOOT	10.25	11.25
VC-1012	1012 VINYL BOOT	10.25	12.25
VC-1014	1014 VINYL BOOT	10.25	14.25
01539-400001	1015 VINYL BOOT	10.25	15.25
01539-400002	1016 VINYL BOOT	10.25	16.25
01539-400003	1018 VINYL BOOT	10.25	18.25
01539-400004	1020 VINYL BOOT	10.25	20.25
01539-400137	1020 VINYL BOOT 16L 22OZ	10.25	20.25
01539-400005	1024 VINYL BOOT	10.25	24.25
01539-400015	1112 VINYL BOOT	11.25	12.25
01539-400006	1114 VINYL BOOT	11.25	14.25
01539-400007	1115 VINYL BOOT	11.25	15.25
01539-400168	1116 VINYL BOOT	11.25	16.25
01539-400008	1118 VINYL BOOT	11.25	18.25
01539-400010	1120 VINYL BOOT	11.25	20.25
01539-400011	1124 VINYL BOOT	11.25	24.25
01539-400153	1130 VINYL BOOT	11.25	30.25
01539-400050	1132 VINYL BOOT	11.25	32.25
01539-400017	1216 VINYL BOOT	12.25	16.25
VC-1217	1217 VINYL BOOT	12.25	17.25
VC-1218	1218 VINYL BOOT	12.25	18.25
01539-400012	1220 VINYL BOOT	12.25	20.25
01539-000006	1221 VINYL BOOT	12.25	21.25
01539-000009	1222 VINYL BOOT	12.25	22.25
01539-400013	1224 VINYL BOOT	12.25	24.25
VC-1315	1315 VINYL BOOT	13.25	15.25
01539-400018	1316 VINYL BOOT	13.25	16.25
01539-400014	1318 VINYL BOOT	13.25	18.25
01539-400175	1318 VINYL BOOT 19L	13.25	18.25
VC-1320	1320 VINYL BOOT	13.25	20.25

## Single Solenoid Valve

Use with aggregate, cement water fill/discharge, aeration and vibration.

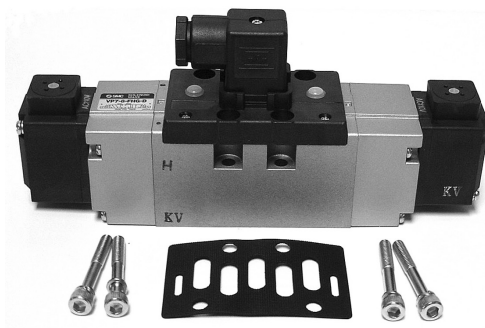
Part Number	Description
01400-000005	1-Position valve



## Double Solenoid Valve

Use with aggregate and cement discharge.

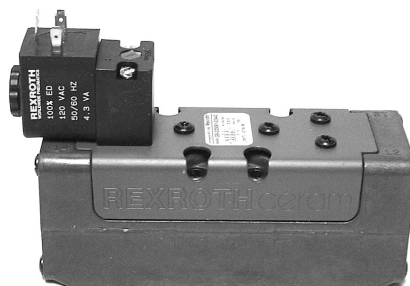
Part Number	Description
01400-000006	2-Position valve



## Ceram™ Valve

Use with aggregate, cement water fill/discharge, aeration and vibration.

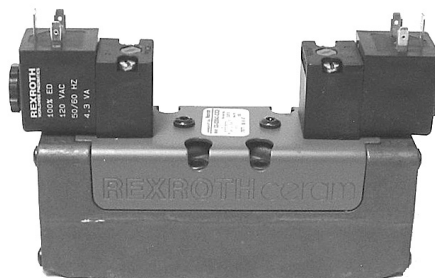
Part Number	Description
01409-400002	Size II single solenoid 4-way (interchange for 01409-400015 and 01409-400003 ½" Type "D" pilot air valves)



## Ceram™ Valve

Use with aggregate and cement discharge.

Part Number	Description
01409-400001	Size II double solenoid 4-way (interchange for 01409-400004 ½" type "d" pilot air valves)



## Strain Relief

Use with Size II Ceram™ valve, wiring to solenoid coil using SO cord.

Part Number	Description
01499-400009	Connector strain relief



**Pilot Air Valve**

Use with aeration and vibration.

<b>Part Number</b>	<b>Description</b>
01499-400015	½" "D" pilot air valve, single solenoid operated control valve

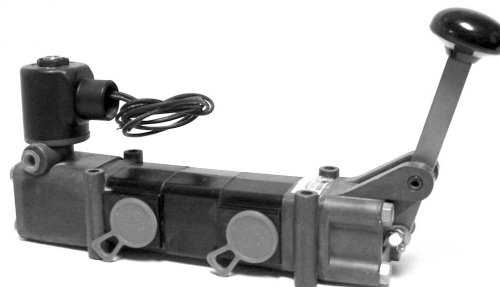


---

**Pilot Air Valve**

Use with aggregate cement, water fill/cut off.

<b>Part Number</b>	<b>Description</b>
01409-400003	½" "D" pilot air valve, single solenoid operated control valve



---

**Pilot Air Valve**

Use with aggregate cement batcher discharge.

<b>Part Number</b>	<b>Description</b>
01409-400004	½" "D" pilot air valve, double solenoid operated control valve

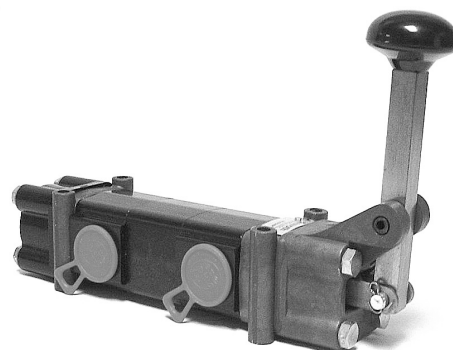


---

**Pilot Air Valve**

Use with aggregate and cement batcher discharge.

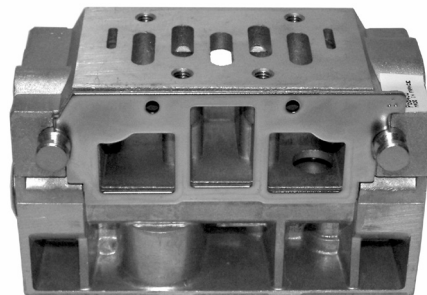
<b>Part Number</b>	<b>Description</b>
01499-400014	½" "D" pilot air valve, inching manual operated control valve



## Station Segment

Use with Size II Ceram™ valve and ISO II valves, to be used when a series of valves are assembled in a bank.

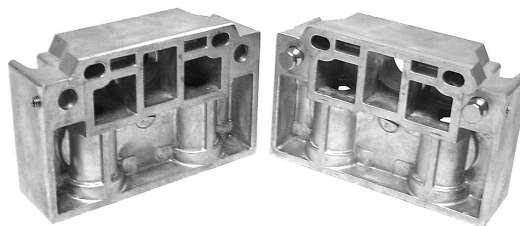
Part Number	Description
01409-000006	Manifold segment - use with size II Ceram™ end plates
01409-400010	Manifold segment - use with ISO II end plates



## End Plates

Use with Size II Ceram™ valves and ISO II valves end kit(s) manifold bank.

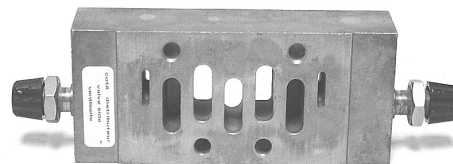
Part Number	Description
01499-400016	End plate kit (includes L&R), end ported manifold - use with Size II Ceram™ manifold segments
01409-000004	Left end plate (requires right), end ported manifold - use with ISO II manifold segments
01409-000005	Right end plate (requires left), end ported manifold - use with ISO II manifold segments



## Speed Control

Use with Size II Ceram™ valves, for speed control of air cylinders.

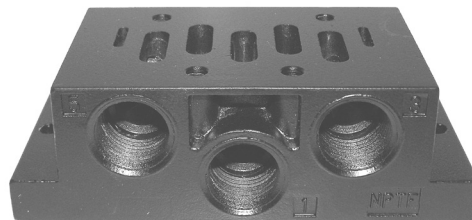
Part Number	Description
01429-400010	Sandwich speed control



## Sub Base

Use with Size II Ceram™ valve and ISO II valves when mounted as single units.

Part Number	Description
01499-400008	Sub base, 1/2" NPT - use with Size II Ceram™ valves
01409-000003	Sub base, 1/2" NPT - use with ISO II valves



## O-Ring

Use in repairs to solenoid end piston on 1/2" type "D" pilot air valve, one required per solenoid end.

Part Number	Description
01409-400006	O-ring



## Repair Kit

Use in repairs to 1/2" type "D" pilot air valve.

Part Number	Description
01409-400005	Minor repair kit. contains: packing rings, retainers and lube-grease



**Solenoid Coil**

Use in repairs to ½" type "D" pilot air valve solenoid end.

<u>Part Number</u>	<u>Description</u>
01499-400011	Solenoid coil – 115VAC – P61920

**Solenoid Assembly**

Use in repairs to ½" type "D" pilot air valve solenoid end.

<u>Part Number</u>	<u>Description</u>
01499-400007	Solenoid assembly – 115VAC

**Solenoid Coil**

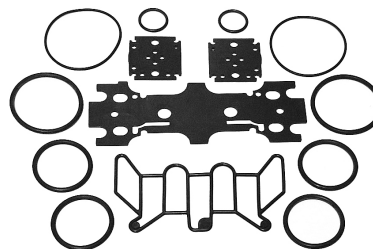
Use in repairs to Size II Ceram™ valves.

<u>Part Number</u>	<u>Description</u>
01409-400009	Solenoid coil only 120 volt

**Seal Kit**

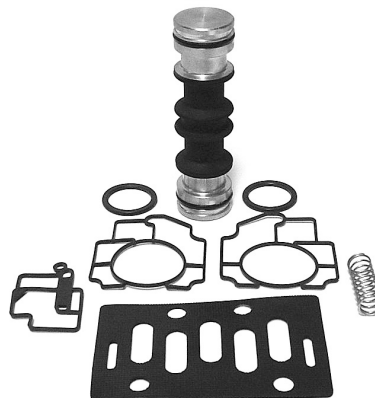
Use in minor repairs to "GA" series, Size II Ceram™ valve.

<u>Part Number</u>	<u>Description</u>
01499-400017	Rubber seal kit

**Repair Kit**

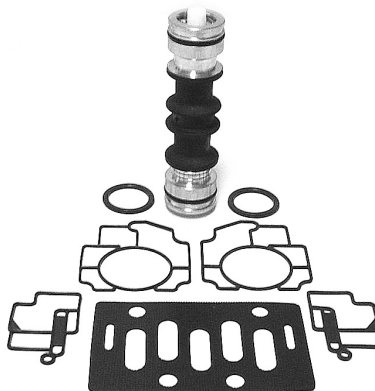
Repairs to single solenoid valve 2-position series.

<u>Part Number</u>	<u>Description</u>
01499-400013	Single solenoid 2-position repair kit

**Repair Kit**

Repairs to double solenoid valve 2-position series.

<u>Part Number</u>	<u>Description</u>
01499-400012	Double solenoid 2-position repair kit



**Batching**

Actuator Assembly.....	15
Band Clamps.....	23
Batch Controller.....	17
Bindicator Power Pak.....	20
Bin Indicator Shaft Coupling.....	20
Bin Indicator.....	20
Bin Indicator Paddle.....	20
Butterfly Valve.....	14
Castings.....	15
Ceram™ Valve.....	24
Clamshell Gates.....	23
Clamshell Gate Pin.....	16
Conveyor Belt Wiper Assembly.....	19
Double Solenoid Valve.....	24
Dust Transfer Vent Hose.....	22
Elephant Trunk Hose - Two Ply.....	22
End Plates.....	26
Filter Elements.....	14
Filters/Regulators.....	14
Gate Stop Assembly.....	13
Gum Rubber Hose - Two Ply.....	22
High Bin Signal Limit Switch for Cement, Fly Ash.....	21
Limit Switch.....	15
Limit Switch Rod Lever.....	15
Limit Switch Roller Lever.....	15
Lubricator.....	14
O-Ring.....	26
Pilot Air Valve.....	25
Piston Vibrator - Air Cushion.....	18
Piston Vibrator - Impacting.....	18
Proximity Controls Bin Indicator Suspended Model.....	21
Repair Kit - Pilot Air Valve.....	26
Repair Kits - Single and Double Solenoid Valve.....	27
Roto Bindicator with Adjustable Extension Assembly.....	21
Seal Kit.....	27
Signal Unit.....	21
Single Solenoid Valve.....	24
Solenoid Assembly.....	27
Solenoid Coil.....	27
Speed Control.....	26
Station Segment.....	26
Strain Relief.....	24
Sub Base.....	26
Torsion Tube Style Conveyor Belt Wiper Assembly.....	19
Torque Motor.....	21
Turbine Vibrator - Pneumatic.....	18
Vibrator - Ball.....	18
Vinyl Connectors for Cement/Fly Ash Batching Systems.....	23
Water Meters.....	17
Wrench Arm.....	15
Wrench Arm Adaptor.....	15

**Bin Indicators**

Bindicator Power Pak.....	20
Bindicator Shaft Coupling.....	20
Bin Indicator Paddle.....	20

**Conveyor Accessories**

Return Idler.....	9
Return Trainer.....	10
Troughing Idler.....	9
Troughing Trainer Idler.....	9

**Dust Collection**

Adaptor Fitting.....	8
Besser Bag House Control Unit.....	7
Besser Dust Collector Timer Control.....	7
Bushings.....	6
Dust Collection Bags for Batcher Vent.....	4
Dust Collection Bags for Dust Collectors.....	3
Driver Sheave.....	6
Eccentric Arm.....	5
Eccentric Bearing.....	6
Eccentric Shafts.....	5
Electric Motor.....	7
Pillow Block Bearing.....	6
Push Lock Air Hose.....	8
Push Lock Female Swivel Fitting.....	8
Rod End Bearing Assembly.....	5
Tri-Valve Disc and Seal.....	5
V-Belt.....	6
Yoke End Assembly.....	5
Yoke Ends with Pins.....	5

**Pneumatic**

Aerator Pad and Mounting Kit.....	10
Aerator Pad and Mount 5" Round.....	10
Air Cylinder.....	12
Air Cylinder - Magnetic.....	13
Air Flow Regulator.....	12
Air Jet.....	11
Cotton Diaphragm.....	11
Foam Rubber Gasket.....	11
Magnetic Reed Switch & Mount.....	12
Mounting Kit.....	10
Neoprene Gasket.....	11
Replacement Screen.....	11
Rod End Clevis.....	12

**Vibrators**

Piston Vibrator - Air Cushion.....	18
Piston Vibrator - Impacting.....	18
Turbine Vibrator Pneumatic.....	18
Vibrator - Ball.....	18



24/7 Support +1.989.354.1000 or 1.800.530.9991  
partsales@besser.com  
besser.com

