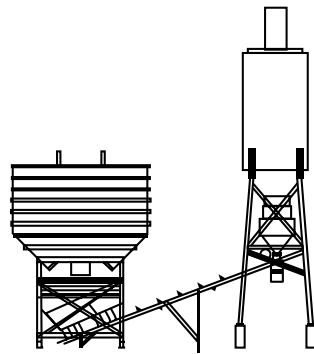


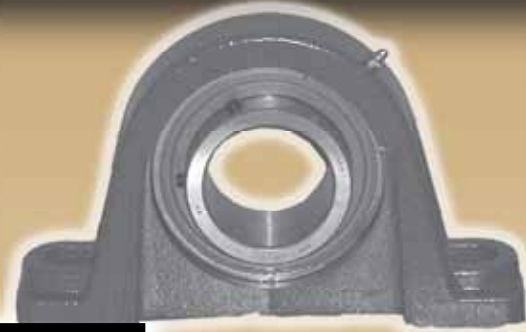
Parts Catalog

2011

Stephens



CONCRETE PLANTS
www.stephensmfg.com



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All of our products are
made in the U.S.A.

Dear Customer:

We would like to take this opportunity to thank you for your order. If you ever need any parts please feel free to call on us. We keep all standard parts in stock. We just finished a new 19000+ square foot building to store additional spare parts. We will always treat you in a fair, honest and friendly way. We want to stand behind our products 100 percent. Here are a few things that will help us to process your order quickly, efficiently and take less time from your busy day.

- A: Brand name
- B: Model # if possible
- C: Sizes of parts (Idlers, Belts, Etc.)
- D: How many (Quantity)
- E: How quickly you will need the parts

If you have the information above, it will help us to get your parts out faster, save you money, and cut down on your phone time. We know all of the information may not be available all of the time; however any of the above information will help us process your order faster.

Once again we want to thank you for your business!

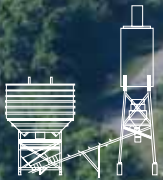
Greg High	VP Sales
Randy Nuckols	Parts Manager

Table of Contents

Aeration Components	2
Air Fittings	3
Air Cylinders.....	4
Belt Wipers.....	5-6
Belting Components.....	7
Harness Sketch.....	8
Air Accessories	9
Bearings	10
Bindicators Accessories	11
Actuators (Direct Mount).....	12
Butterfly Valves.....	12
Butterfly Valve Dimensions	13
Duct Work.....	14-15
Control Panel Components	16
Electrical Components.....	17-18
Fill Line Parts.....	19
Gates	20
Boots	21
Ceramic Liners.....	22
Idlers	23-24
Head Pulleys	25
Scale Levers	26
Blow Back Blower Components.....	27
Motors & Reducers	28
Remotes.....	29-30
Overfill Protection.....	31
Solenoid Valves.....	32
Solenoid Repair Kits	33
Sprockets & Chains.....	34
Transition Kits.....	35
Cement Batcher Transition	36
Silo Transition Assembly	37
Hoppers	38
Air Vibrators Turbine Type	39
Handles & Flanges.....	40
Water Meter Components	41
Aeration Blower.....	42-43
Turn Heads.....	44
Magnehelic Gauge Kits.....	45
Batcher Vents	46

Silo “Bag Type” Vent.....	47
Parts for “Bags Type” Vents.....	48
Silo “Cartridge” Vents SOS	49
Parts for Cardtridge Type Vents	50
Transfer Conveyor	51
Radial Stacker & Truss Conveyor.....	52-53
Screw Conveyor Reducer Drive	54-55
Screw Conveyor Direct Drive.....	56-58
Screw Conveyor Direct Drive Screws	58
Screw Conveyor Jackshaft Drive 6 & 9.....	59
Screw Conveyor Spline Drive	60
Twin Shaft/Sicoma Parts.....	61-62
Stephens Workhorse Mixer/Inventure	63-64
Trouble Shooting Guide & Operating Tips.....	65-66

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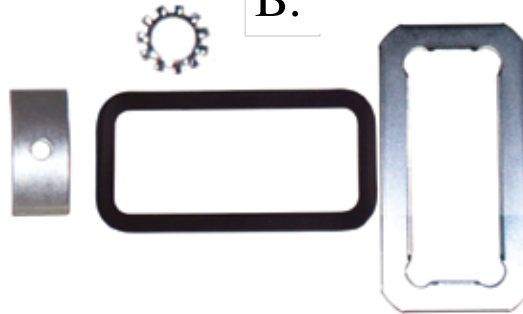
Aeration Components

letter	Description	Part #
A	Aeration Pads Monitors	3-8511-912
B	External Mounting Kit Monitor	3-8010
C	Monitor Aeration option 3 Flo Pads	Monitor 8-8011
D	1" Aeration Straight Fittings	U251000
	with 1/2" Tees 1/2" MPTX3/8 Barb Tee	RR99048
E	3/4" Aeration Tees	WP4518
F	3/4" Aeration Elbows	WP4519
G	Replacement Screen	P/N CF0251
H	Snap Ring	P/N 69-12

A.



B.



C.



D.



E.



F.



G.



H.



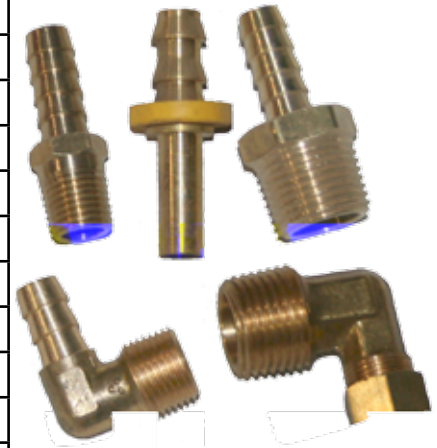
Description	Part #
Aeration Manifold	AM895623 50



Aeration Manifold

Air Fittings

Description	Part #
3/8" Hose Barb Insert for Compression Fittings	CSA-3/8"
3/8" COMP X 1/8" MPT 90 Degree Fitting Brass	18-232
3/8" COMP X 1/8" MPT STR Fitting Brass	18-187L
3/8" COMP X 1/4" MPT 90 Degree Fitting Brass	18-233
3/8" COMP X 1/4" MPT 45 Degree Fitting Brass	18-333
3/8" COMP X 3/8" MPT 90 Degree Fitting Brass	18-234
3/8" COMP X 1/2" MPT 90 Degree Fitting Brass	18-235
1/4" COMP X 1/8" MPT 90 Degree Fitting Brass	18-224
1/4" COMP X 1/8" MPT STR Fitting Brass	18-179L
1/4" COMP X 3/8" MPT STR Fitting Brass	18-210
1/4" COMP X 3/8" MPT 90 Degree Fitting Brass	18-226
3/8" BARB X 1/8" MPT SRT Fitting Brass	32-011
3/8" BARB X 1/8" MPT 90 Degree Fitting Brass	32-046
3/8" BARB X 1/4" MPT SRT Fitting Brass	32-006
3/8" BARB X 3/8" MPT SRT Fitting Brass	32-013
3/8" BARB X 3/8" MPT 90 Degree Fitting Brass	32-042
3/8" BARB X 1/2" MPT 90 Degree Fitting Brass	32-047
3/8" BARB X 1/2" MPT SRT Fitting Brass	32-014
3/8" Union Tee Barb Fitting Brass	32-126
1/8" NPT X 1/8" MPT X 1/8" NPT Tee Female Brass	BRT 18
1/2" NPT X 1/2" MPT X 1/2" NPT Tee Female Brass	BRT 12
1/4" Flow Restrictor Bimba	FCP-4
3/8" Flow Restrictor Bimba	FCP-6
1/2" Flow Restrictor Bimba	FCP-8



Brass Fittings

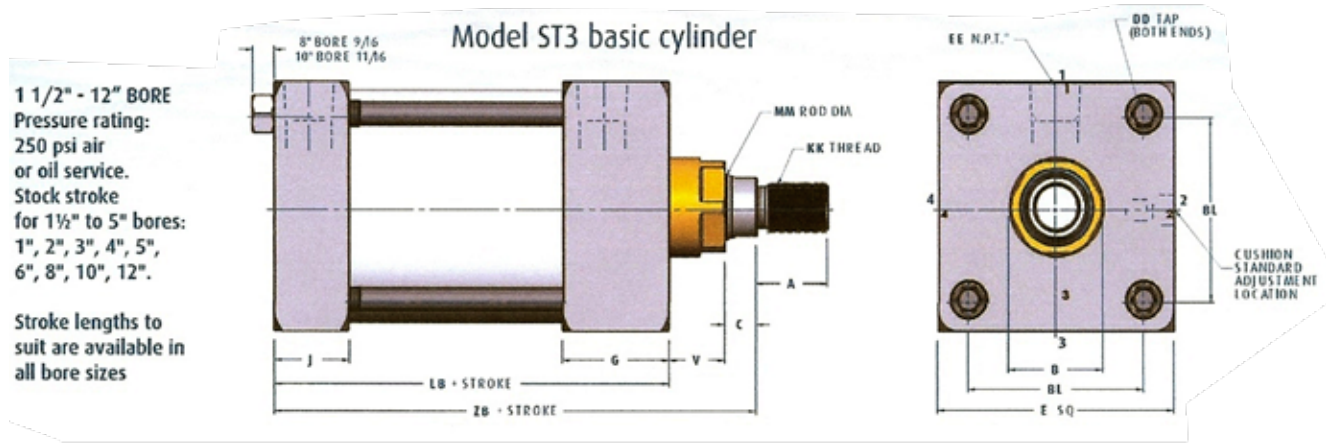
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Description	Part #
2-1/2" X8" Air Cylinders	ST3P225X8SP5300
2-1/2" X12" Air Cylinders	ST3P225X12SP530
2-1/2" X18" Air Cylinders	ST3P225X18SP5300
3-1/4" X8" Air Cylinders	ST3P2325X8SP5300
3-1/4" X10" Air Cylinders	ST3P2325X10SP5300
4" X 8" Air Cylinders	ST3P2485P5300
4" X10" Air Cylinders	ST3P24X10SP5300
4" X12" Air Cylinders	ST3P24X12SP5300
5" X8" Air Cylinders	ST3P25X8SP5300
5" X10" Air Cylinders	ST3P25X10SP5300
5" X12" Air Cylinders	ST3P25X12SP5300

Air Cylinders



Note: Other Cylinders are available



BORE	1 1/2	2	2 1/2	3 1/4	4	5	6	7	8	10	12
A	3/4	3/4	3/4	1 1/8	1 1/8	1 1/8	1 5/8	1 5/8	1 5/8	2	2.25
B	1.124	1.124	1.124	1.499	1.499	1.499	1.999	1.999	1.999	2.374	2.624
BL	1.43	1.84	2.19	2.78	3.32	4.12	4.88	5.730	6.44	7.92	9.406
C	3/8	3/8	3/8	1/2	1/2	1/2	5/8	5/8	5/8	3/4	7/8
DD	1/4-28	5/16-24	5/16-24	3/8-24	3/8-24	1/2-20	1/2-20	5/8-18	5/8-18	3/4-16	3/4-16
E	2	2 1/2	3	3 3/4	4 1/2	5 1/2	6 1/2	7 1/2	8 1/2	10 5/8	12 3/4
EE	3/8	3/8	3/8	1/2	1/2	1/2	3/4	3/4	3/4	1	1
G	1 1/2	1 1/2	1 1/2	1 3/4	1 3/4	1 3/4	2	2	2	2 1/4	2 1/4
J	1	1	1	1 1/4	1 1/4	1 1/4	1 1/2	1 1/2	1 1/2	2	2
KK	7/16-20	7/16-20	7/16-20	3/4-16	3/4-16	3/4-16	1-14	1-14	1-14	1 1/4-12	1 1/2-12
LB	3 5/8	3 5/8	3 3/4	4 1/4	4 1/4	4 1/2	5	5 1/8	5 1/8	6 3/8	6 7/8
MM	5/8	5/8	5/8	1	1	1	1 3/8	1 3/8	1 3/8	1 3/4	2
V	5/8	5/8	5/8	7/8	7/8	7/8	1	1	1	1 1/8	1 1/8
ZB	4 5/8	4 5/8	4 3/4	5 5/8	5 5/8	5 7/8	6 5/8	6 3/4	6 3/4	8 1/4	8 7/8

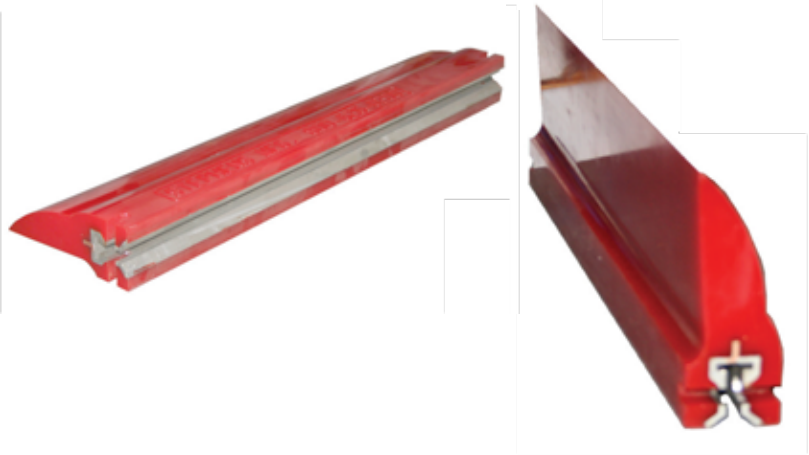
Repair Kit for Cylinders

Kit for 5" Taigo CYL SSK-2-500-CS

Description	Part #
Kit for 2-1/2" Star Cylinder	ST3TSK25000625
Kit for 3-1/4" Star Cylinder	ST3TSK32001000
Kit for 4" Star Cylinder	ST3TSK40001000
Kit for 5" Star Cylinder	ST3TSK50001000
Kit for 3-1/4" Taiyo & Cylinder	SSK-2-325-CS
Kit for Wabco Cylinder 3 1/4X8	P-068153/068149



Other Sizes available



Part #	Description
WP-10-226-00102	24" Red Wiper Blade
WP-10-226-00202	30" Red Wiper Blade
WP-10-226-00302	36" Red Wiper Blade



Part #	Description
P/N CP-Mea-28M-G83	30" Micro Eraser Beltwiper

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Part #	Description
P/N CP-MR-28-G83	30" Micro Eraser Blade Only

Part #	Description
P36STBWBA89	36" Beltwiper Blade

Part #	Description
P36STDW19	36" Beltwiper Assembly



Part #	Description
P/N- BW240	24" Belt Wiper Blade

Belt Wipe Accessory



Part #	Description
PUDSTBWTN59	Belt Wiper Tensioner



Part #	Description
PUDSTBW3BRG69	Belt Wiper 3" Long Bearing



Part #	Description
SC11916	1 9/16 Set Collar



Part #	Description
PUDSTBWTG39	Belt Wiper Torque Guide



Part #	Description
P30STBWFM29	30" Belt Main Frame



Part #	Description
821-4165	5/32 X 2 15/16 Hair Pin



Part #	Description
PTIT-38Q	Wiper Blade Safety Pin



Part #	Description
PUDSTBWRW99	Belt Wiper Retain Washer



Part #	Description
PTENPIN14	Belt Wiper Tensioner Pin
SNPP03103940	Belt Wiper Tensioner Pin

Belting Components

Description	Part #
24" Belting (3/16 X 1/16 X 220)	24-220-2PLY
30" Belting (3/16 X 1/16 X 220)	30- 220-2PLY
36" Belting (3/16 X 1/16 X 220)	36- 3-PLY
3/8" X 8" Skirt Board Materials	SB6X8
3/8" X 14" Skirt Board Materials	SB6X14
1/2" X 6" Skirt Board Materials	SB8X6
1/2" X 8" Skirt Board Materials	SB8X8
1/2" X 24" Skirt Board Materials	SB8X24
1/2" X 30" Skirt Board Materials	SB8X30
1/2 X 24" Gum Rubber Skirtboard	PG 1/2-48

140 E Flexco Solid Fastners

Description	Part #
HP1 Flexco Punch for 140E	HP1
HW1 Flexco Wrench for 140E	HW1
110 Flexco Bolt Breaker	110
24" Templet for 140E Fastners	140-24
30" Templet for 140E Fastners	140-30
36" Templet for 140E Fastners	140-36
140E Belt Fastners 25-per Box	Fastners 140E

375 Flexco Hinged Fastners

Description	Part #
HP1 Flexco Punch	HP1
H100 Flexco Wrench for 375X	H100
110 Flexco Bolt Breaker	110
Flexco Hinged Fastner with PIN	375XJ24
Flexco Hinged Fastner with PIN	375XJ30
Flexco Hinged Fastner with PIN	375XJ36
Flexco Hinged Templet	375X24
Flexco Hinged Templet	375X30
Flexco Hinged Templet	375X36
1/4" X 24" Armored Steel PIN	NAC-24
1/4" X 30" Armored Steel PIN	NAC-30
1/4" X 36" Armored Steel PIN	NAC-36

Description	Part #
24" Belt Splice Kit	R5-SE-24/600
30" Belt Splice Kit	R5-SE-30/750
36" Belt Splice Kit	R5-SE-36/900

375 Hinged Fastner



Conveyor Belting



Skirt Board Rubber



140E Belt Fastner



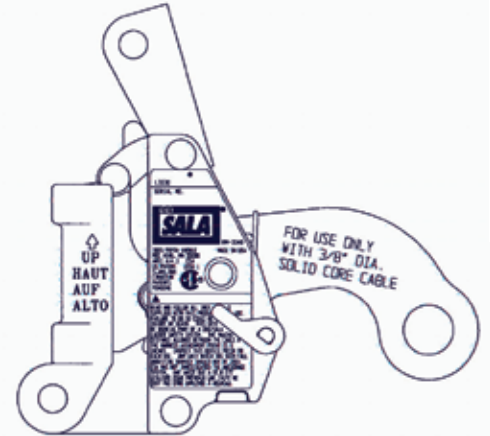
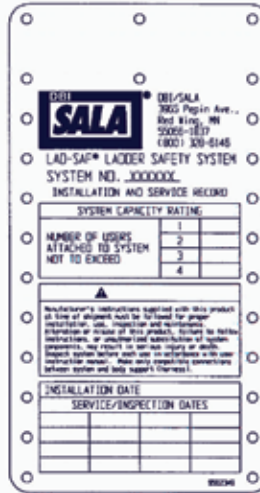


7.0 SPECIFICATIONS

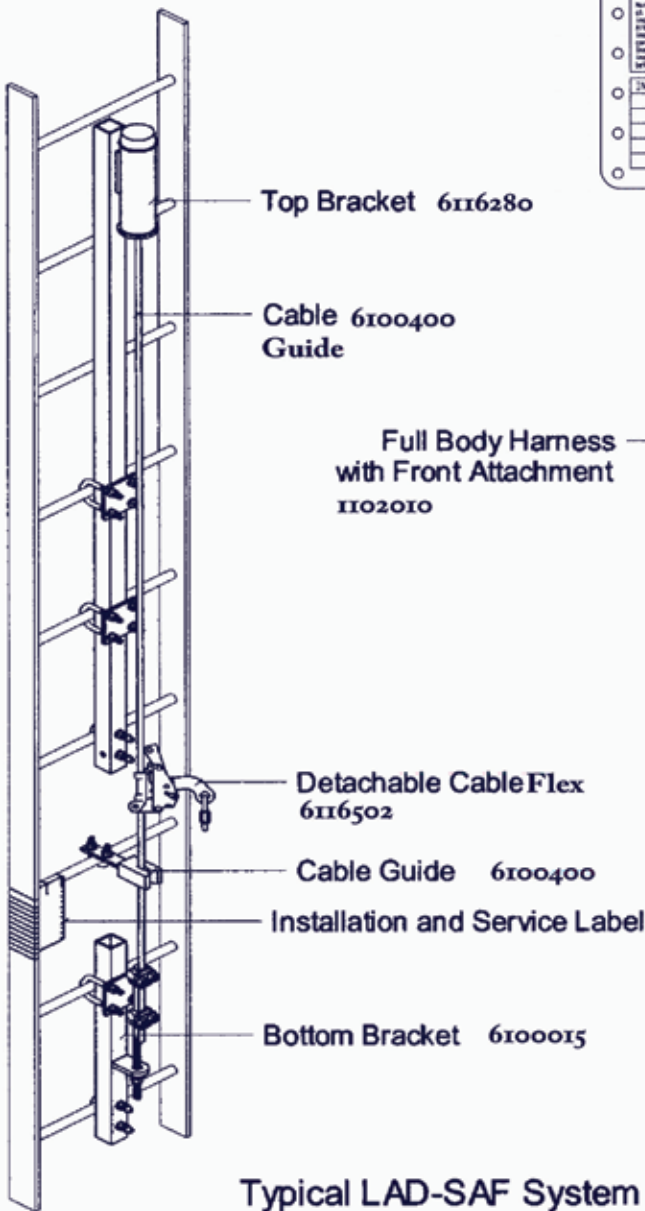
7.1 All top and bottom brackets, cable guides, carrier cable, and fasteners are made of galvanized or stainless steel. Contact DBI/SALA for material specification details if required. The LAD-SAF system, when installed according to user instructions, meet OSHA and ANSI requirements, including ANSI A14.3.

8.0 LABELING

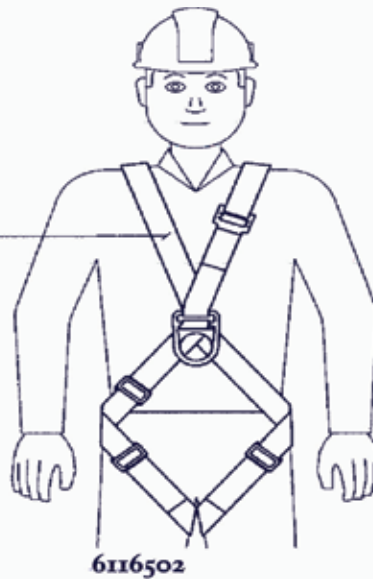
8.1 This label must be securely attached and fully legible:



Harness Sketch



Typical LAD-SAF System



Description	Part #
Air Hose Clamps 3/8"	6203
Bag Clamps	5612852
Hose Boot Clamps	6322452
3" Hose Clamps	6844

Stainless Steel Clamps

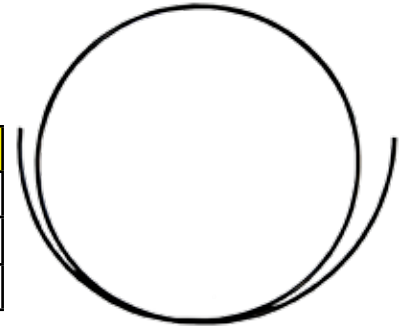


2" Hose Clamp P# 6832



Description	Part #
Metal Clamp for Boot 24"	B-193280-11
Metal Clamp for Boot 22"	B-193280-12
Metal Clamp for Boot 20"	B-193280-13
Metal Clamp for Boot 18"	B-193280-14

Description	Part #
3/8" ID Airline Hose	K1154-06
1/2" Airline Adaptaflex	3204-1334
1/4" I.D. Rubber Hose 200 PSI	3204-1301



Description	Part #
3/8" Air Hose	K1154-06
1/2" Air Hose	K1154-08



Description	Part #
Filter Regulator	B74G4ATAD3RSN
Lubricator	L74M4APQPN



FRL



FR

Description	Part #
F.R.L Unit Complete	WP-FR1051

Description	Part #
F.R. Unit Complete	WP-FR1050

Pillow Block Bearings

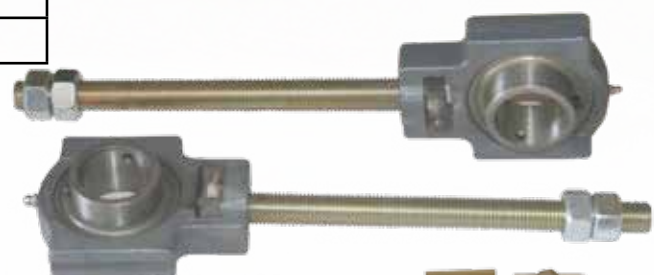
Description	Part #
1/2" Pillow Block Bearing	(123830)
1" Pillow Block Bearing	(123806)
2" Pillow Block Bearing	(126815)
2-7/16" Pillow Block Bearing	(126818)
2-15/16" Pillow Block Bearing	(126821)
3-7/16" Pillow Block Bearing	(126823)
P2B-E-215R Pillow Block Brg	(023017)
P4B-E-507R Pillow Block Brg	(02304)
P2B-K-21R Split Brg	(023183)
3-7/16 Split Bearing	(023186)

Note: Any size Bearings are available



Flange Bearings

Description	Part #
Link Belt Bearing 2"	F3U232N
2" Rexnord Bearing	FB22432H
3" Link Belt Bearings	F3U2E48N
Bearing 3" Bearing for Screw	FB22448HX3
2" Bearing Flop Chute	FX3YZE32N



Take Up Bearings

Description	Part #
TU250X1 ^{15/16} Take Up Brg	Tu25011516
2" Dodge Takeup Bearing	125372

Take Up Frames

Description	Part #
Standard Take Up/ Radial Stacker	B391160
For Transfer Conveyor Tube Type	B29424050



Description	Part #
Takeup Frame Trans. o.s.	TU250





Part #	Description
--------	-------------

HGB6774 High AGG. Bindicators Kit. 4 Ft with wire.
Pre-wired with 30Ft. flexible conduit.

(HGB6774 Comp.) High AGG. Bindicator Kit 4 Ft.
Less wire

Silo & Bin Material Indicators



Part #	Description
--------	-------------

S12B9087 Top mount low Level Bindicator
with 23' Cable & Paddle

Part #	Description
--------	-------------

416-0109 Monitor Bindicator
Motor 115V



Part #	Description
--------	-------------

GRP-3 Gardner single
Blade SS Paddle



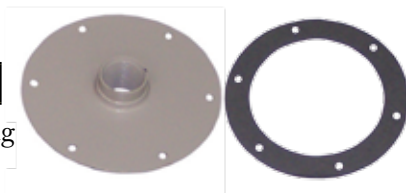
Part #	Description
--------	-------------

GRSS-1 Coupler for Bindicator
Paddle



Part #	Description
--------	-------------

730-0022 Round mounting
Plate & Gasket
MD-GRMP-1



Part #	Description
--------	-------------

530-0013 Limit Switch ASSY
GR-Series



Part #	Description
--------	-------------

HGB5774 Low AGG. Bindicators Kit. 12 Ft with wire.
Pre-wired with 30Ft. flexible conduit.

(HGB5774 Comp.) Low AGG. Bindicator Kit 12 Ft.
Less wire

Part #	Description
--------	-------------

1-8301-90-12 KA,115 VAC, 2-CT, UL-AP
Monitor



Part #	Description
--------	-------------

S2B8779 Top mount Hi Level
with 2' Alum. Rod & Paddle



Part #	Description
--------	-------------

1-5065 Limit Switch Monitor
Bindicator



Part #	Description
--------	-------------

1-4141 3 Blade Bindicator
Paddle 9" DIA



Part #	Description
--------	-------------

GRFC1 Flexible Shaft for GR
Series



Part #	Description
--------	-------------

1-3251 1 1/4" Coupling



Part #	Description
--------	-------------

1-1313 GR Series Bindicator
Motor



Bray Valves

Description	Part #
2" Butterfly Valve	300200-11010119
3" Butterfly Valve	300300-11010119
4" Butterfly Valve	300400-11010119
5" Butterfly Valve	300500-11010119
6" Butterfly Valve	300600-11010119
8" Butterfly Valve	300800-11010119
10" Butterfly Valve	301000-11011713
12" Butterfly Valve	301200-11010119

Butterfly Valves



- 9
- 8
- 7
- 6
- 5
- 4



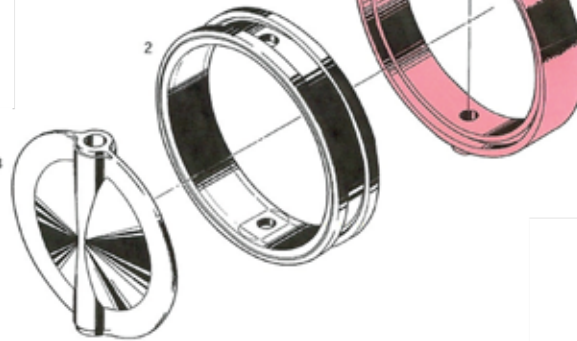
Bray Actuator

Description	Part #
2" & 3" Bray Actuator	920630-11300532
4" Bray Actuator	920830-11300532
5" & 6" Bray Actuator	9200920-11300532
8" & 10" Bray Actuator	921270-11300532
12" Bray Actuator	921600-11300532



COMPONENTS

No.	Qty.	Description
1	1	Body
2	1	Seat
3	1	Disc
4	1	Stem
5	1	Stem Seal
6	1	Stem Bushing
7	2	Stem Retainer
8	1	Thrust Washer
9	1	Retaining Ring



*FKM is the ASTM D1418 designation for Fluorinated Hydrocarbon Elastomers (also called Fluoroelastomers).

Hastelloy® is a registered trademark of Haynes International, Inc.
Halar® is a registered trademark of Ausimont U.S.A., Inc.

Bray Couplin

Description	Part #
Couplin for 4" Bray Valve	92000B122600536
Couplin for 8" Bray Valve	92000D122600536



Bray Limit Switch

Description	Part #
Limit Switch Bray Actuator	50040612610532
Bray Limit Switch Adaptor Kit	50160024603536
8" Bray Act. Mounting Plate	92118011300532



Vane Actuator

Description	Part #
FMC 200 Vane Actuator	3258068
Repair Kit for FMC 200	3255112



DIMENSIONS SERIES 30 Wafer

SERIES 31 Lug

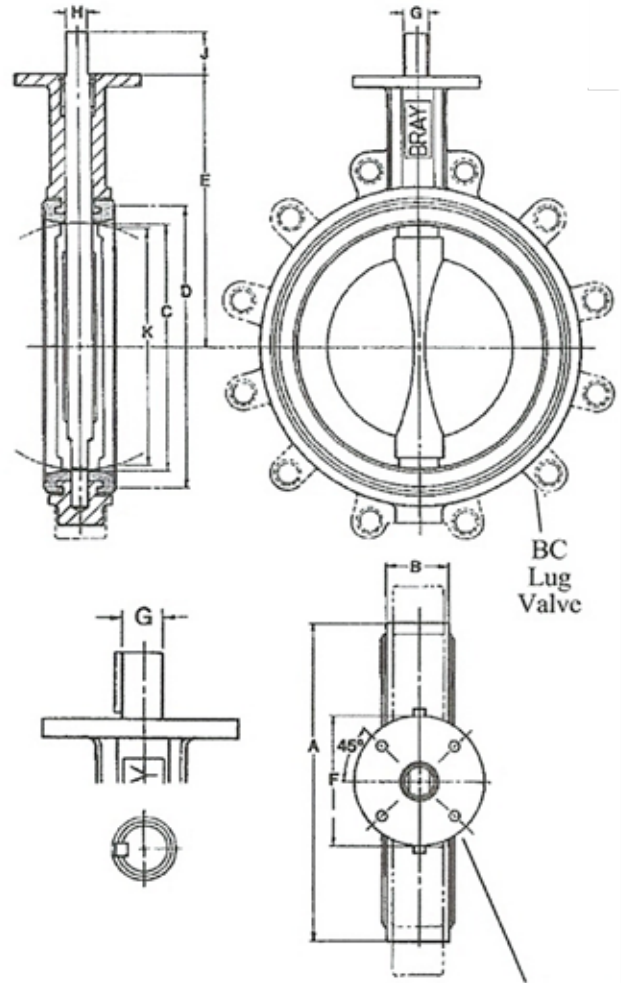
Valve Size		A	B	C	D	E	F	Mounting Flange Drig.			G	H	J	K
ins	mm							BC	No. Holes	Hole Dia.				
2	50	3.69	1.62	2.00	2.84	5.50	3.54	2.76	4	.39	.55	.39	1.25	1.32
2½	65	4.19	1.75	2.50	3.34	6.00	3.54	2.76	4	.39	.55	.39	1.25	1.91
3	80	4.88	1.75	3.00	4.03	6.25	3.54	2.76	4	.39	.55	.39	1.25	2.55
4	100	6.06	2.00	4.00	5.16	7.00	3.54	2.76	4	.39	.63	.43	1.25	3.57
5	125	7.06	2.12	5.00	6.16	7.50	3.54	2.76	4	.39	.75	.51	1.25	4.63
6	150	8.12	2.12	5.75	7.02	8.00	3.54	2.76	4	.39	.75	.51	1.25	5.45
8	200	10.50	2.50	7.75	9.47	9.50	5.91	4.92	4	.57	.87	.63	1.25	7.45
10	250	12.75	2.50	9.75	11.47	10.75	5.91	4.92	4	.57	1.18	.87	2.00	9.53
12	300	14.88	3.00	11.75	13.47	12.25	5.91	4.92	4	.57	1.18	.87	2.00	11.47

Lug Bolting Data		
BC	No. Holes	Threads UNC-2B
4.75	4	5/8-11
5.50	4	5/8-11
6.00	4	5/8-11
7.50	8	5/8-11
8.50	8	3/4-10
9.50	8	3/4-10
11.75	8	3/4-10
14.25	12	7/8-9
17.00	12	7/8-9

Valve Size		A	B	C	D	E	F	Mounting Flange Drig.			G	J	KEY SIZE	K
ins	mm							BC	No. Holes	Hole Dia.				
14	350	17.05	3.00	13.25	15.28	13.62	5.91	4.92	4	.57	1.38	2.00	.39x.39	13.04
16	400	19.21	4.00	15.25	17.41	14.75	5.91	4.92	4	.57	1.38	2.00	.39x.39	14.85
18	450	21.12	4.25	17.25	19.47	16.00	8.27	6.50	4	.81	1.97	2.50	.39x.47	16.85
20	500	23.25	5.00	19.25	21.59	17.25	8.27	6.50	4	.81	1.97	2.50	.39x.47	18.73

Lug Bolting Data		
BC	No. Holes	Threads UNC-2B
18.75	12	1-8
21.25	16	1-8
22.75	16	1 1/8-7
25.00	20	1 1/8-7

For a complete “up-to-date” Parts Catalog, please visit the catalog on our website. www.stephensmfg.com





**ROCK-SOLID DURABILITY
WITH THE PERFECT SIZE
AND CONFIGURATION
FOR EVERY APPLICATION.**

INSTRUCTIONS FOR INSTALLING AN ADJUSTABLE NIPPLE

Each QF pipe section is 5 ft. in length.

To shorten to accommodate an existing sponsor, an adjustable nipple is used.



STEP 1

Measure distance to be spanned.

STEP 2



Mark distance to be spanned less 4".



STEP 3

Use O-ring provided and mark for cut.

STEP 4



Drill access hole then cut with saw.



STEP 5

Cut piece of pipe put O-ring on cut pipe, slide nipple over.

STEP 6



Snap clamp over O-ring and one end of nipple.

**FINISHED CONNECTION
USING THE ADJUSTABLE
NIPPLE ASSEMBLY.**



ORDERING

NOTES:

UNLESS SPECIFIED, 4" THROUGH 22" IS QF, OVER 22" IS FLANGED. DATA SUBJECT TO CHANGE WITHOUT NOTICE.
STAINLESS STEEL COMPONENTS REQUIRING FLANGES WILL BE SUPPLIED WITH SS FLANGES UNLESS OTHERWISE SPECIFIED.
STAINLESS STEEL COMPONENTS ARE MANUFACTURED WITH NO 304 SS. (PRICES FOR SS 316 = SS 304 X 1.25)
ADDING A SS AFTER STANDARD PART NUMBERS SPECIFIES A SS PART.
FOR SPECIAL PARTS OR ITEMS TO BE CUSTOM MANUFACTURED: CONTACT STEPHENS MFG.

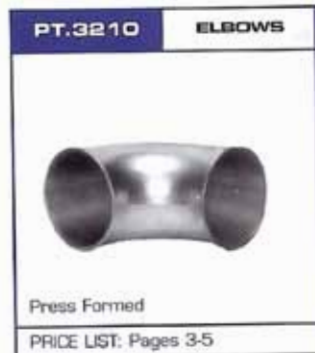
fig.

Galvanized Quick-FitDuct for Vents & Silos.

Description	Part #
16" Diameter Pipe X 5' Long	3200-1600
16" Diameter 90 Degree Elbow High Pressure Duct	3210-1690
6" Pipe X 5' Long	3200-0600
6" Diameter 90 Degree Elbow High Pressure Duct	3210-0690
8" Pipe X 5' Long	3200-0800
8" Diameter 90 Degree Elbow High Pressure Duct	3210-0890



Note: Sizes 4" through 22" in Stock and available



For a complete "up-to-date" Parts Catalog, please visit the catalog on our website. www.stephensmfg.com

Module #	Push Button Control Box
ZB4BT4	Push Button E - Stop 40MM
ZBY9330	Emergency Stop Circular Legend
ZB4BS44	Mushroom Head Turn to Release
ZB4BC4	Mushroom Head Momentary (Non Ill)
XB4BT4	Mushroom Head Push Pull W/N.C Cont. (Non Ill.) 40mm
ZB4BD2	2Pos. Maint. (Non Ill.)
ZB4BD3	3Pos. Maint. (Non Ill.)
ZB4BD5	3Pos. Mom. to Center (Non Ill.)
ZB4BG4	2Pos. Maint. Key Switch (Non Ill.)
ZB4BZ009	Mounting Collar
ZB4BZ101	N.O. Contact Block W/Flange
ZBE101	N.O. Contact Block Only
ZB4BZ102	N.C. Contact Block W/Flange
ZBE102	N.C. Contact Block Only
ZB4BV01	7/8" Pilot Light Head (White)
ZB4BV03	7/8" Pilot Light Head (Green)
ZB4BV04	7/8" Pilot Light Head (Red)
ZB4BV05	7/8" Pilot Light Head (Yellow)
ZB4BV06	7/8" Pilot Light Head (Blue)
ZB4BV07	7/8" Pilot Light Head (Clear)
ZB4BVG1	Light Module W/Protected Led (White)
ZB4BVG31	Light Module W/Protected Led (Green)
ZB4BVG41	Light Module W/Protected Led (Red)
ZB4BVG51	Light Module W/Protected Led (Yellow)
ZB4BVG61	Light Module W/Protected Led (Blue)
ZBPO	Clear Rubber Boot
ZB4BW33	Ill. Push Button (Green)
ZB4BW34	Ill. Push Button (Red)
ZB4BK1233	2Pos. Ill. Selector Switch (Green)
ZB4BK1243	2Pos. Ill. Selector Switch (Red)
ZB4BK1253	2Pos. Ill. Selector Switch (Yellow)
ZB4BK1263	2Pos. Ill. Selector Switch (Blue)
ZB4BK1333	3Pos. Ill. Selector Switch (Green)
ZB4BK1343	3Pos. Ill. Selector Switch (Red)
ZB4BK1353	3Pos. Ill. Selector Switch (Yellow)
ZB4BWOG31	Light Module W/Protected Led (Green) N.O. Cont.
ZB4BWOG41	Light Module W/Protected Led (Red) N.O. Cont.
ZB4BWOG51	Light Module W/Protected Led (Yellow) N.O. Cont.
ZB4BWOG61	Light Module W/Protected Led (Blue) N.O. Cont.
ZBY2323	Reset Label for ZB4 Push Button
XS8C40FP260H7	Telemecanique Prox Switch
ZB4BVG3	Light Module W/Protected Led (Green)
ZB4BVG4	Light Module W/Protected Led (Red) N.O. Cont.



Limit Switches

Description	Part #
Oper Lever ADJ.	9007-HA4
Oper Lever 12" Delrin Single Loaded	9007-FA5
Oper Lever 1-3/8"	9007-BA18
Oper Lever 1-1/2"	9007-MA18
Square D Limit Switch	9007-C54B2
Limit Switch	9007-C54B
Limit Switch Arm 3" Arm with Nylon Roller	9007-EA18
Rod Type Lever Arm	9007-FA3
Geared Rotary Limit Switch	CR115E421101

Conveyor Safety Stop Switches

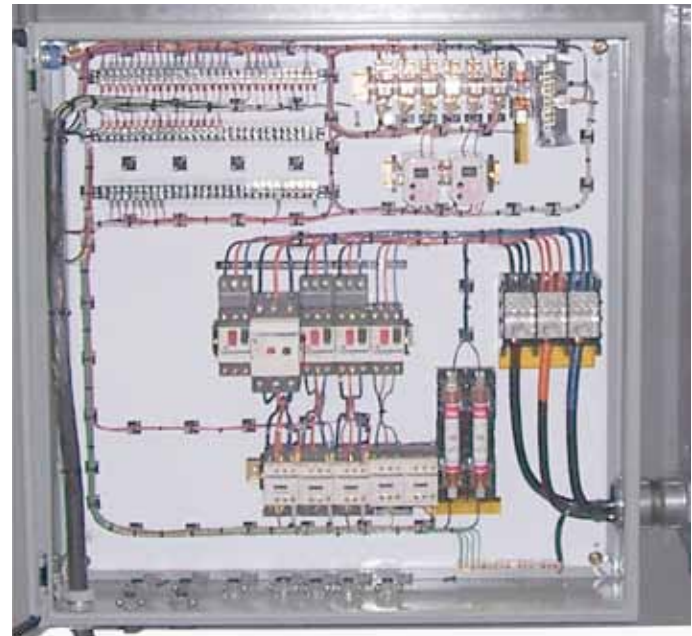
Description	Part #
Life Line 4	440E-413043



Emergency Stop Kill Switch (440E-L13043)

Manual Starter Overloads, Contacts & Components

Description	Part #
Locking Attachment	GV1-V02
Auxillary Contacts GV2	GVAE11
Manual Starter 600V 1-1.6A	GV2P06
Manual Starter 600V 1.6-2.5	GV2P07
Manual Starter 600V 2.5A	GV2P08
Manual Starter 600V 4-6 AMP	GV2P10
Manual Starter 600V 6-10A	GV2P14
Manual Starter 600V 9-14A	GV2P16
Manual Starter 600V 13-18A	GV2P20
Manual Starter 600V 17-23A	GV2P21
Manual Starter 600V 24-30A	GV2P32
Manual Starter 600V 30-40A	GV3-P40
Manual Starter 600V 37-50A	GV3-P50
Manual Starter 600V 48-65A	GV3-P65
AUX Contact D Line 1NO - 1NC	LA1DN11
AUX Contact D Line 2NO	LA1DN20
Mechanical Interlock	LAD9RIV
Contactor 3PH 200-600V	LC1D09G7
Contactor 3PH 200-600V	LC1D12G7
Contactor 3PH 200-600V	LC1D18G7
Contactor 3PH 200-600V	LC1D25G7
Contactor 3PH 200-600V	LC1D32G7
Contactor 3PH 200-600V	LC1D40AG7
Contactor 3PH 200-600V	LC1D50AG7
Contactor 3PH 50HP 200-600V	LC1D65AG7
Contactor 3PH 200-600V	LC1D80AG7



Amperage Chart

For 3 Phase Across the Line Motor Starters

Motor Sizes	208 Volts	230 Volts	480 Volts	575 Volts
1HP	4.14	3.6	1.8	1.4
5HP	17.5	15.2	7.6	6.1
7.5HP	25.3	22	11	9
10HP	32.2	28	14	11
15HP	48.3	42	21	17
20HP	62.1	54	27	22
25HP	78.2	68	34	27
30HP	92.0	80	40	32

Transformer

Description	Part #
.500k VA 240X480Pri 120/240 SEC	500SV1B
.500k VA 600Pri 120/240 SEC	500SV51B
.750k VA 240X480Pri 120/240 SEC	750SV1F
.750k VA 600Pri 120/240 SEC	750SV51F
1kVA 240X480Pri 120/240 SEC	1S1F
1kVA 600Pri 120/240 SEC	1S51F
1.5k VA 240X480Pri 120/240 SEC	1.5S1F
1.5k VA 600Pri 120/240 SEC	1.5S51F
2k VA 240X480Pri 120/240 SEC	2S1F
2kVA 600Pri 120/240 SEC	2S51F
3k VA 240X480Pri 120/240 SEC	3S1F
3k VA 600Pri 120/240 SEC	314F
5k VA 240X480Pri 120/240 SEC	5S1F
5k VA 600Pri 120/240 SEC	5S4F



Relay
8501RS42V20

Timer
328F200F10XX

Relay Bases

Description	Part #
11 Pin	6X156
11 Blade	60SR3B-05
Socket/Base 2 Pole	8501NR42B
8 Pin	5X852
Socket/Base 4 Pole	8501NR34



Relay Bases
8501NR42B

Relay Bases

Timers & Delays

Description	Part #
4 Pole 120 VAC Relay 120VAC	8501RS44V20
2 Pole 8 Blade 120VAC	8501RS42V20
Timer Dayton6A855	6A855
Repeat Cycle 8 PIN .1 SEC -180 Seconds	88867155
On Delay 8 PIN 1.8 SEC - 180 Seconds	5X829
Interval 8 PIN 1.8 SEC - 180 Seconds	6X604
Multi Function.1 SEC - 10 Hours ATC	328F200F10XX
Spring Wound 0-5 Minutes	6X545

Timer
6A855

Timer
5X829F or
6X604F



Relay Bases

5X852F

Relay Bases

Fill Line Parts

Part #	Description
--------	-------------

- 400AA1 4" Male ADPT Female Thread Coupling
- 500AA1 5" Male ADPT Female Thread Coupling
- 400 CAL 4" [Camlock Hose Barb]
- 400DCAL 4" Dust Cap Aluminum
- 400B 4" Camlock Gasket
- 400DCAL-L 4" Locking Dust Cap
- 500CAL 5" Female Coupler Hose Barb



Part #	Description
--------	-------------

- ZPFLP4 4" Fill Line Gasket & Bolt Kit
- ZPFLP5 5" Fill Line Gasket & Bolt Kit



Part #	Description
--------	-------------

- H3PF904A 4" Smart Elbow 125# Flange
- H4PF905A 5" Smart Elbow 90-Deg



Part #	Description
--------	-------------

- 108628 4" Sch 80 45°-Deg 48" Radius
- 115238 5" Sch 80 45°-Deg 48" Radius



Part #	Description
--------	-------------

- 90X4 T-Box Old Style Turbalance Box



Part #	Description
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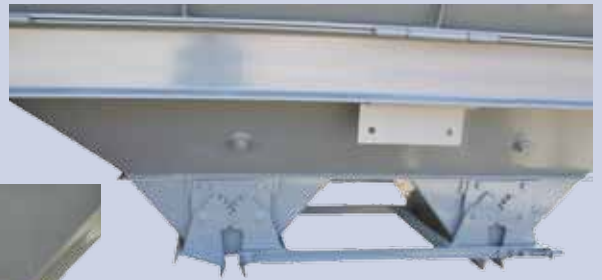
- 159990 4" Sch 80 90°- Deg 48" Radius
- 111213 5" Sch 80 90°- Deg 48" Radius



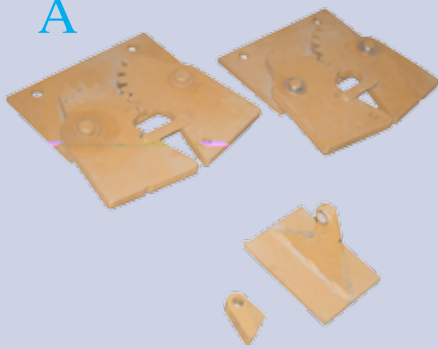
**For a complete
"up-to-date"
Parts Catalog,
please visit the
catalog on our website.
www.stephensmfg.com**

Letter	Description	Parts #
	Complete	Custom Built
A	End Plates	12" , 14" , 16"

B



A



C

Four Styles to Choose From

Letter	Description	Parts #
B	Skeleton Gates	Link OR Gear Type
C	Box Gates	Link OR Gear Type 17" Tall
D	Low - Profile Box Gates	Link OR Gear Type 12" Tall
E	Super Low Profile Box Gates	Link Type Only 10" Tall

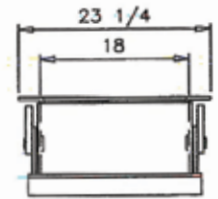
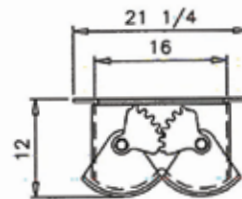
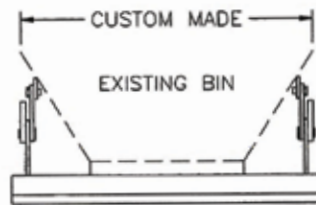
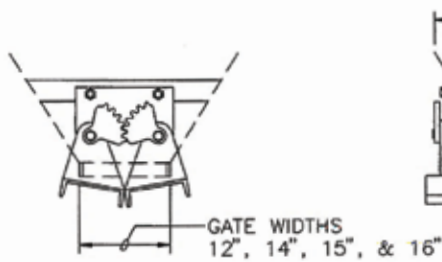


D



E

Gate	Description
Skeleton Gates	Link or Gate type
Box Gates	Link or Gate type 17" Tall
Low Profile Box Gates	Link or Gate type 12" Tall
Super Low Profile Gates	Link type only 10" Tall

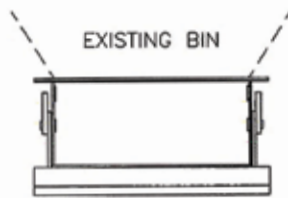


SKELETON GATES

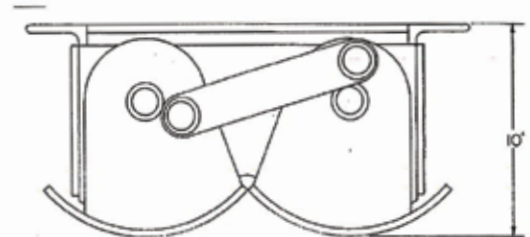
LOW PROFILE GEAR GATE



NOTE
GEAR GATES
ILLUSTRATED...
LINKAGE GATE
ALSO AVAILABLE



BOLT-ON GATES



SUPER LOW PROFILE
LINK GATES

Discharge Hose

Description	Part #
10" Gum Rubber Boot	PGT-10
12" Gum Rubber Boot	PGT-12
16" Gum Rubber Boot	PGT-16
18" Gum Rubber Boot	PGT-18
20" Gum Rubber Boot	PGT-20
22" Gum Rubber Boot	PGT-22
24" Gum Rubber Boot	PGT-24
25" Gum Rubber Boot	PGT-25
6" Gum Rubber Boot	PGT-6
6 ^{3/4} " Gum Rubber Boot	PGT-6.75
8" Gum Rubber Boot	PGT-8
9" Gum Rubber Boot	PGT-9



Square Vinyl Flume

We also build custom and funnel Boot's.
Consult factory for more information.



Gum Rubber Boot



Vinyl Boot



Water

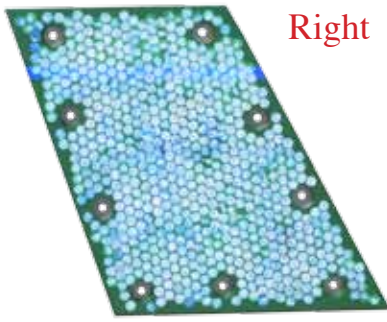


Name	Description	Part #
Flume	11" X 11" X 12"	111112
Flume	11" X 11" X 24"	111124
Flume	11" X 11" X 36"	111136
Flume	14" X 14" X 12"	141412
Flume	14" X 14" X 24"	141424
Flume	14" X 14" X 36"	141436

Discharge Hose

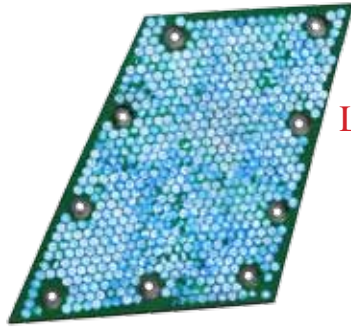
Description	Part #
12" PVC Blue Discharge	VF1200
10" PVC Discharge Hose	VF1000
2" Blue Discharge Hose	537-555-064
3" Blue Discharge Hose	537-555-107
4" Blue Discharge Hose	537-555-123

Turn Head 1" Ceramic Liner (Complete Set Liner ML-St-ooth03K-g83) 1" Ceramic for Standard Turn Head



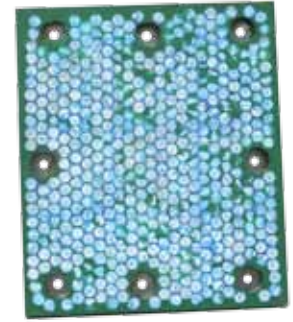
Right

ML-St-ooth 03ARK-g83

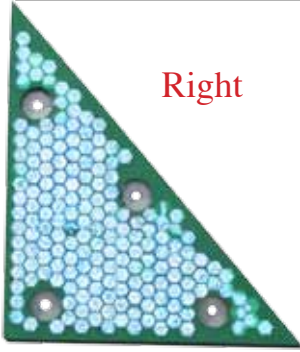


Left

ML-St-ooth 03ALK-g83

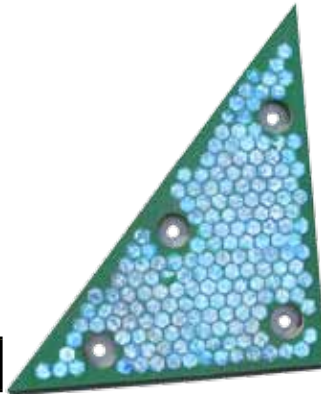


ML-St-ooth 03DK-g83



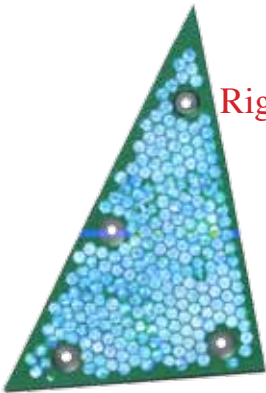
Right

ML-St-ooth 03BRK-g83



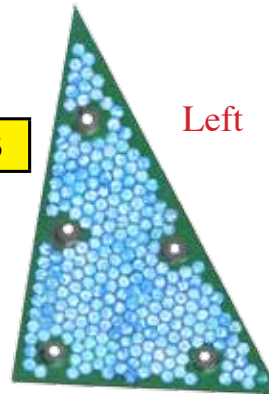
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ML-St-ooth 03BLK-g83



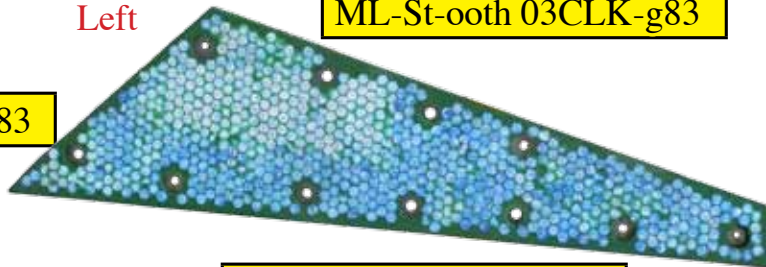
Right

ML-St-ooth 03CRK-g83



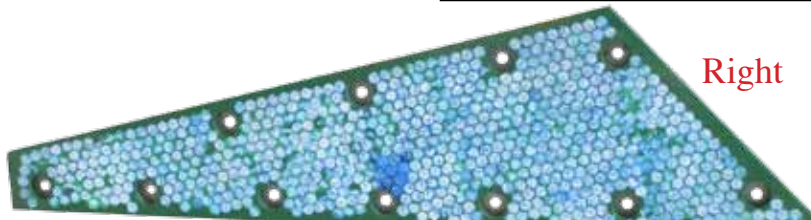
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ML-St-ooth 03CLK-g83



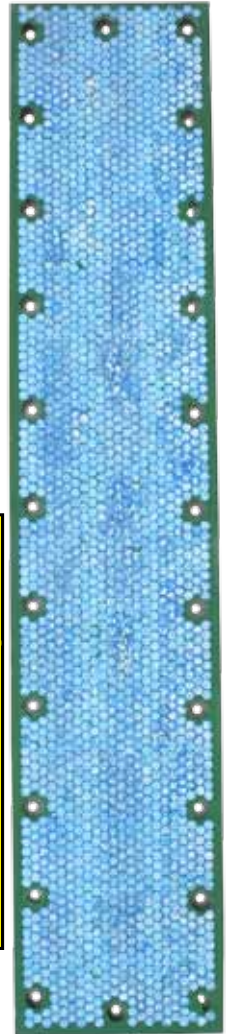
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ML-St-ooth 03FLK-g83



Right

ML-St-ooth 03FRK-g83



ML-St-ooth 03EK-g83



Plugs

Ceramic Liners



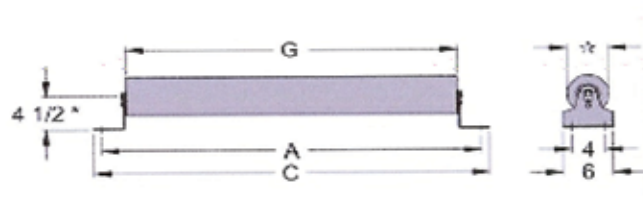
CEMA B Flat Carrier Idlers

Flat Carrier Idlers

4" & 5" Rolls

Part Number	BW	A	C	G	4" WT	5" WT
B★-F-14	14	23	25	17 3/8	17	19
B★-F-16	16	25	27	19 3/8	18	20
B★-F-18	18	27	29	21 3/8	19	21
B★-F-20	20	29	31	23 3/8	20	23
B★-F-24	24	33	35	27 3/8	22	25
B★-F-30	30	39	41	33 3/8	25	29
B★-F-36	36	45	47	39 3/8	28	32
B★-F-42	42	51	53	45 3/8	31	36
B★-F-48	48	57	59	51 3/8	34	39

☆ = Roll Diameter



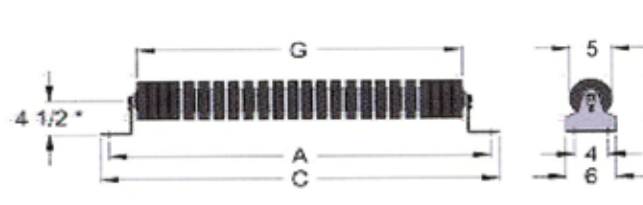
* 4 1/2" brackets are standard, 1 1/2" are available, add -1 behind part number.

Flat Rubber Disc Carrier Idlers

5" Rolls

Part Number	BW	A	C	G	WT
B5-FRD-14	14	23	25	16 1/4	27
B5-FRD-16	16	25	27	18 1/4	29
B5-FRD-18	18	27	29	20 1/4	31
B5-FRD-20	20	29	31	22 1/4	33
B5-FRD-24	24	33	35	26 1/4	36
B5-FRD-30	30	39	41	32 1/4	43
B5-FRD-36	36	45	47	38 1/4	50
B5-FRD-42	42	51	53	44 1/4	57
B5-FRD-48	48	57	59	50 1/4	63

4" diameter rolls are also available.



* 4 1/2" brackets are standard, 1 1/2" are available, add -1 behind part number.

Flat Self-Aligning Carrier Idlers

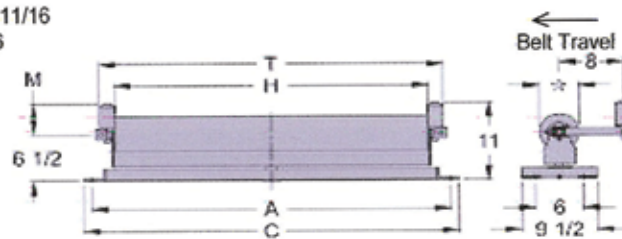
4" & 5" Rolls

Part Number	BW	A	C	G	4" WT	5" WT
B★-FSA-14	14	23	25	17 3/8	47	49
B★-FSA-16	16	25	27	19 3/8	49	52
B★-FSA-18	18	27	29	21 3/8	52	55
B★-FSA-20	20	29	31	23 3/8	55	57
B★-FSA-24	24	33	35	27 3/8	60	63
B★-FSA-30	30	39	41	33 3/8	68	72
B★-FSA-36	36	45	47	39 3/8	76	80
B★-FSA-42	42	51	53	45 3/8	84	89
B★-FSA-48	48	57	59	51 3/8	92	97

☆ = Roll Diameter

$$T = H + 3 \frac{11}{16}$$

$$M = 4 \frac{5}{16}$$

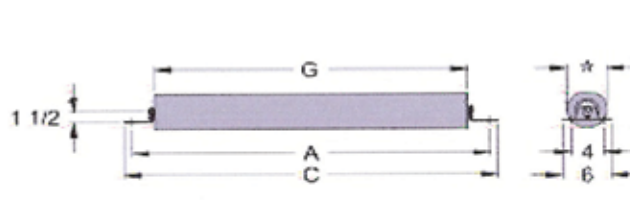


Channel Inset Flat Carrier Idlers

4" & 5" Rolls

Part Number	BW	A	D	G	4" WT	5" WT
B★-CIF-14	14	22	24	16 1/2	14	16
B★-CIF-16	16	24	26	18 1/2	15	17
B★-CIF-18	18	26	28	20 1/2	16	18
B★-CIF-20	20	28	30	22 1/2	17	19
B★-CIF-24	24	32	34	26 1/2	19	22
B★-CIF-30	30	38	40	32 1/2	22	26
B★-CIF-36	36	44	46	38 1/2	25	29
B★-CIF-42	42	50	52	44 1/2	27	33
B★-CIF-48	48	56	58	50 1/2	31	36

☆ = Roll Diameter



We also replace other Brand Rolls. Give us a call for more information.

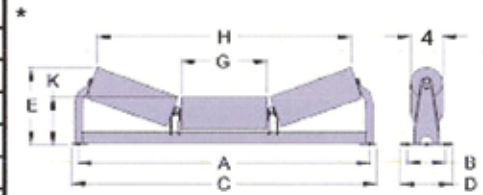


CEMA B Troughing Idlers

20° Troughing Idlers

4" Rolls

Part Number	BW	A	B	C	D	E	G	H	K	WT
B4-20TE-14	14	23	6	25	8	9 1/16	5 7/16	16 15/16	7	25
B4-20TE-16	16	25	6	27	8	9 1/16	6 3/4	18 1/4	7	26
B4-20TE-18	18	27	6	29	8	9 7/16	6 3/4	20 11/16	7	28
B4-20TE-20	20	29	6	31	8	9 13/16	7 5/8	23 1/4	7	30
B4-20TE-24	24	33	6	35	8	10 1/4	8 15/16	26 15/16	7	33
B4-20TE-30	30	39	6	41	8	10 15/16	11 1/8	33 5/16	7	39
B4-20TE-36	36	45	6	47	8	11 11/16	13 1/4	39 7/16	7	44
B4-20TE-42	42	51	7 1/2	53 1/2	9 1/2	12 15/16	15 7/16	45 3/4	7 1/2	54
B4-20TE-48	48	57	7 1/2	59 1/2	9 1/2	13 11/16	17 5/8	52 1/16	7 1/2	60

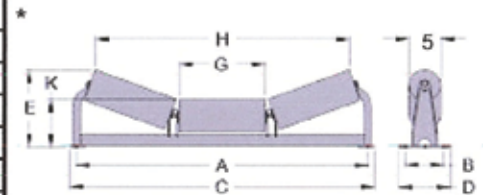


* Center roll for 16" unit is 6 3/4", wing rolls are 5 7/16".

20° Troughing Idlers

5" Rolls

Part Number	BW	A	B	C	D	E	G	H	K	WT
B5-20TE-14	14	23	6	25	8	9 1/2	5 7/16	16 9/16	7 1/2	28
B5-20TE-16	16	25	6	27	8	9 1/2	6 3/4	17 7/8	7 1/2	29
B5-20TE-18	18	27	6	29	8	9 15/16	6 3/4	20 3/8	7 1/2	32
B5-20TE-20	20	29	6	31	8	10 1/4	7 5/8	22 7/8	7 1/2	34
B5-20TE-24	24	33	6	35	8	10 11/16	8 15/16	26 11/16	7 1/2	38
B5-20TE-30	30	39	6	41	8	11 7/16	11 1/8	32 15/16	7 1/2	43
B5-20TE-36	36	45	6	47	8	12 3/16	13 1/4	39 1/16	7 1/2	49
B5-20TE-42	42	51	7 1/2	53 1/2	9 1/2	13 7/16	15 7/16	45 3/8	8	60
B5-20TE-48	48	57	7 1/2	59 1/2	9 1/2	14 3/16	17 5/8	51 11/16	8	66

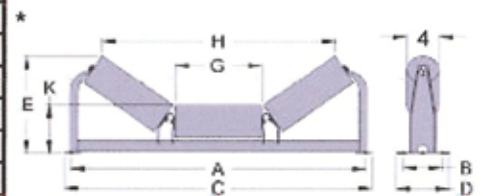


* Center roll for 16" unit is 6 3/4", wing rolls are 5 7/16".

35° Troughing Idlers

4" Rolls

Part Number	BW	A	B	C	D	E	G	H	K	WT
B4-35TE-14	14	23	6	25	8	10 1/4	5 7/16	15 1/2	7	26
B4-35TE-16	16	25	6	27	8	10 1/4	6 3/4	16 4/5	7	27
B4-35TE-18	18	27	6	29	8	10 15/16	6 3/4	18 15/16	7	29
B4-35TE-20	20	29	6	31	8	11 1/2	7 5/8	21 1/4	7	31
B4-35TE-24	24	33	6	35	8	12 1/4	8 15/16	24 11/16	7	34
B4-35TE-30	30	39	6	41	8	13 1/2	11 1/8	30 1/2	7	40
B4-35TE-36	36	45	6	47	8	14 11/16	13 1/4	36 1/8	7	45
B4-35TE-42	42	51	7 1/2	53 1/2	9 1/2	16 7/16	15 7/16	41 7/8	7 1/2	56
B4-35TE-48	48	57	7 1/2	59 1/2	9 1/2	17 11/16	17 5/8	47 5/8	7 1/2	62

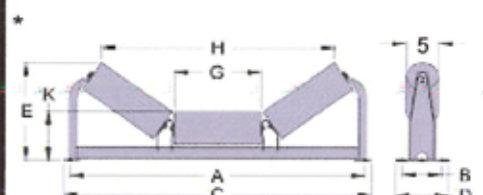


* Center roll for 16" unit is 6 3/4", wing rolls are 5 7/16".

35° Troughing Idlers

5" Rolls

Part Number	BW	A	B	C	D	E	G	H	K	WT
B5-35TE-14	14	23	6	25	8	10 11/16	5 7/16	14 7/8	7 1/2	29
B5-35TE-16	16	25	6	27	8	10 11/16	6 3/4	16 1/4	7 1/2	30
B5-35TE-18	18	27	6	29	8	11 3/8	6 3/4	18 3/8	7 1/2	32
B5-35TE-20	20	29	6	31	8	11 15/16	7 5/8	20 11/16	7 1/2	35
B5-35TE-24	24	33	6	35	8	12 5/8	8 15/16	24 1/8	7 1/2	39
B5-35TE-30	30	39	6	41	8	13 15/16	11 1/8	29 7/8	7 1/2	45
B5-35TE-36	36	45	6	47	8	15 1/8	13 1/4	35 1/2	7 1/2	51
B5-35TE-42	42	51	7 1/2	53 1/2	9 1/2	16 7/8	15 7/16	41 1/4	8	62
B5-35TE-48	48	57	7 1/2	59 1/2	9 1/2	18 1/8	17 5/8	47 1/16	8	69



* Center roll for 16" unit is 6 3/4", wing rolls are 5 7/16".

Head Pulleys

Description 3/8 HBG Lagging	Part #
12" X 26" Head Pulley	XPU1226PXT25
12" X 32" Head Pulley	XPU1232PXT25
14" X 26" Head Pulley	XPD1426PXT25
14" X 36" Head Pulley	XPD1436PXT30
16" X 26" Head Pulley	XPD1626PXT30
16" X 32" Head Pulley	XPD1632PXT30
18" X 26" Head Pulley	XPD1826PXT35
18" X 32" Head Pulley	XPD1832PXT
20" X 26" Head Pulley	XPD2026PXT35
20" X 32" Head Pulley	XPD2032PXT30
30" X 32" Head Pulley	XPD3032PXT

(Other Sizes also available).



No Lagging



With Lagging

Winged Tail Pulley

Description	Part #
10" X 26" Wing Pulley	XPW1026PXT
10" X 32" Wing Pulley	XPW1032PXT25
12" X 26" Wing Pulley	XPW1226PXT25
12" X 32" Wing Pulley	XPW1232PXT25
14" X 26" Wing Pulley	XPW1426PXT
14" X 32" Wing Pulley	XPW1432PXT
16" X 26" Wing Pulley	XPW1626PXT30
16" X 32" Wing Pulley	XPW1632PXT30
18" X 38" Wing Pulley	XPW1832PXT
20" X 32" Wing Pulley	XPW2032PXT

Winged Tail Pulley



Wing & Head Pulley SHAFTS

Note: Any size head or wing shafts are available. Please consult factory. Shaft's are TGP turned ground polished.

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Scale Levers Systems

Description	Part #
7000 LB Cement Levers	Lever 7000
10000 LB Cement Levers	Lever 10000
36000 LB AGG Levers	Lever 36000
40000 LB AGG Levers	Lever 40000



Blow Back Blower Components

Description	Part #
10HP 3500 RPM Motor 230/460 Volt	P21-S-3025
Roots Blower	33URAI
Inlet Filter 2 ^{1/2} W/Paper	EMF-25-060124
Check Valve 2"	5050
Static 0-200' Pressure Gauge	T8G-L
1" Weighted Relief Valve	13-214-06
Dodge PX60 Para-Flex-Ele	011106
Dodge Px60 I-L Flanges	010602
1310X1 ^{3/8} KW Dodge Bearing	119404
1310X3/4 KW Dodge Bearing	119394
Blow Back Pod	MP Blow Pod-01



Load Cells

Description	Part #
250 LB 100'	20210-250LB
500 LB 100'	20210-500LB
1000 LB 100'	20210-1K
1500 LB 100'	20210-1.5K
2000 LB 100'	20210-2K
3000 LB 100'	20210-3K
5000 LB 20'	20210-5K
10000 LB 20'	20210-10K
15000 LB 20'	20210-15K
20000 LB 20'	20210-20K
Summing Board/fiberglass-enclosed	SB-1



Digital Readouts

Description	Part #
Cardinal Readout	205A



Motors

Description	Part #
1/3 HP 1800 RPM 208/230/460 3PH	MOT1/31846056CW
1/2 HP 1725 RPM 1PH	T12-18-56CB
5 HP 1800 RPM 460 VOLT 184T	MOT518460184TW
10 HP 1200 RPM 460 VOLT 256T	MOT1012460256TW
15 HP 1800 RPM 575 VOLT 254T	MOT1518575254TW
20 HP 1800 RPM 460 VOLT 256T	MOT2018460256TW
25 HP 1800 RPM 460 VOLT 256T	MOT2518460256TW
30 HP 1800 RPM 460 VOLT 286T	MOT3018460286TW
40 HP 1800 RPM 480 VOLT 324T	MOT4018480324TW
50 HP 1800 RPM 575 VOLT 326T	MOT5018575326TW



**Please consult factor for various hp, rpm, voltages, and frame size needed.*

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Reducer

Description	Part #
TA3203H25	903001
TA4207H27	904001
TA5215H25	905001

Wall Mount Panel Remote with Control Box



Free Standing Panel Remote with Control Box

Description	Part #
4 Function Remote Manual Button Comp.	SP4F1324TELE
6 Function Remote Manual Button Comp.	SP6F1324TELE

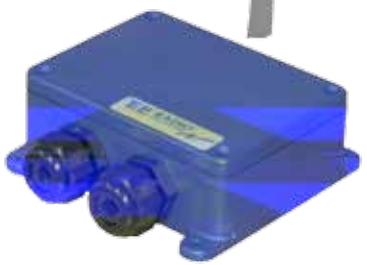


Tele-Radio



Description	Part #
4 Function Remote Parts Comp.	T60-04-STP
6 Function Remote Parts. Comp	T60-06STP

Description	Part #
4 Function Receiver Board	T60-RX-04DSL
6 Function Receiver Board	T60-RX-06DSL



Tele-Radio



Remote Complete with Manual Buttons

Description	Part #
4 Function Transmitter only	T60TX-04SRL
6 Function Transmitter only	T60TX-06SRL



Hand Held Remote

Description	Part #
4- Button Handheld Trans. Linear	DT-4B



AEC Remote

Description	Part #
4-Function Remote Parts Comp	MP4J-4-115 M

Silo

Letter	Description	Part #
A	Overfill Protection	OP KIT
B	Emergency-Pop Off Valves	POV 101A
C	Handles for Inspection Hatch & Vent Doors	381600000000
D	Safety Climbing Device	999999999997



Overfill Protection

Description	Part #
1 COMP 4" Silo Overfill Protection	8985641
1 COMP 5" Silo Overfill Protection	6467751
2 COMP 4" Silo Overfill Protection	6553342
2 COMP 5" Silo Overfill Protection	2564452
3 COMP 4" Silo Overfill Protection	6768843
3 COMP 5" Silo Overfill Protection	6583253
4 COMP 4" Silo Overfill Protection	6768844

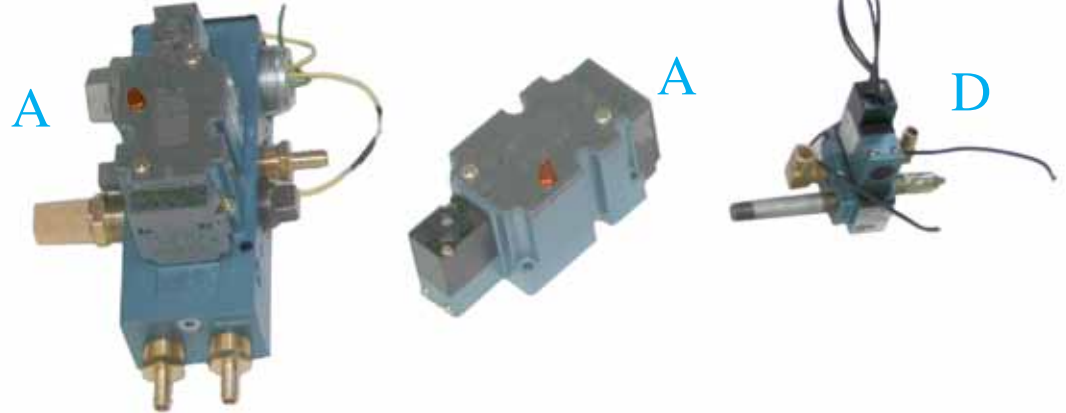
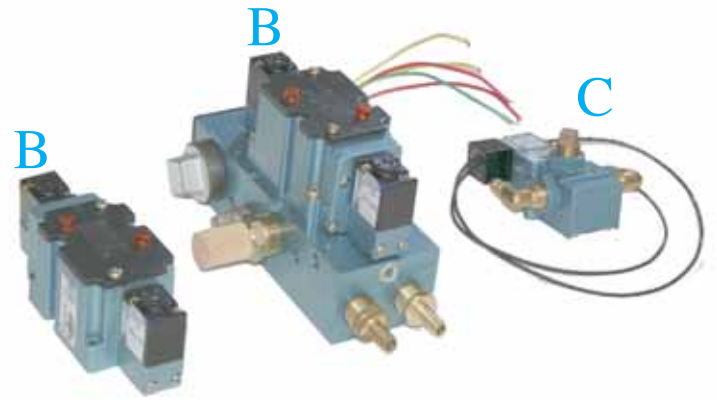


Description	Part #
Silo Warning Horn System Asy	1589000
Silo Warning Horn System /2 Comp	1589002
Silo Warning Horn System 3 Comp	1589001



Solenoid Valves

Letter	Description	Part #
	Single Solenoid	6313D611PM112DA
A	Base & Top	6313D611PM112DA
	Top Only	6313D000PM112DA
	Double Solenoid	
B	Base & Top	6333D611PM112DA
	Top Only	6333D000PM112DA
C	Aeration Solenoid	55B12PI112CA
D	Water Solenoid	912BPM112CA
	Double Solenoid	6300D-611-D
	Single Solenoid Base	6300D-611-S

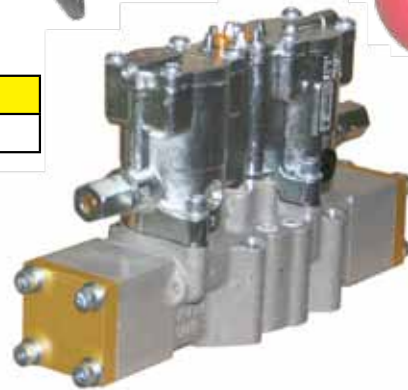


Hand Valves

Description	Part #
Norgren Super Spool Valve	K81EA00KCOKL2
Norgren Vibrator Black Spring	K41EA00KS1KBO
Norgren Aeration Red Locking	K41DA00KCOKB4



Description	Part #
Schrader Bellow Valve Complete Single	6675-39102-53

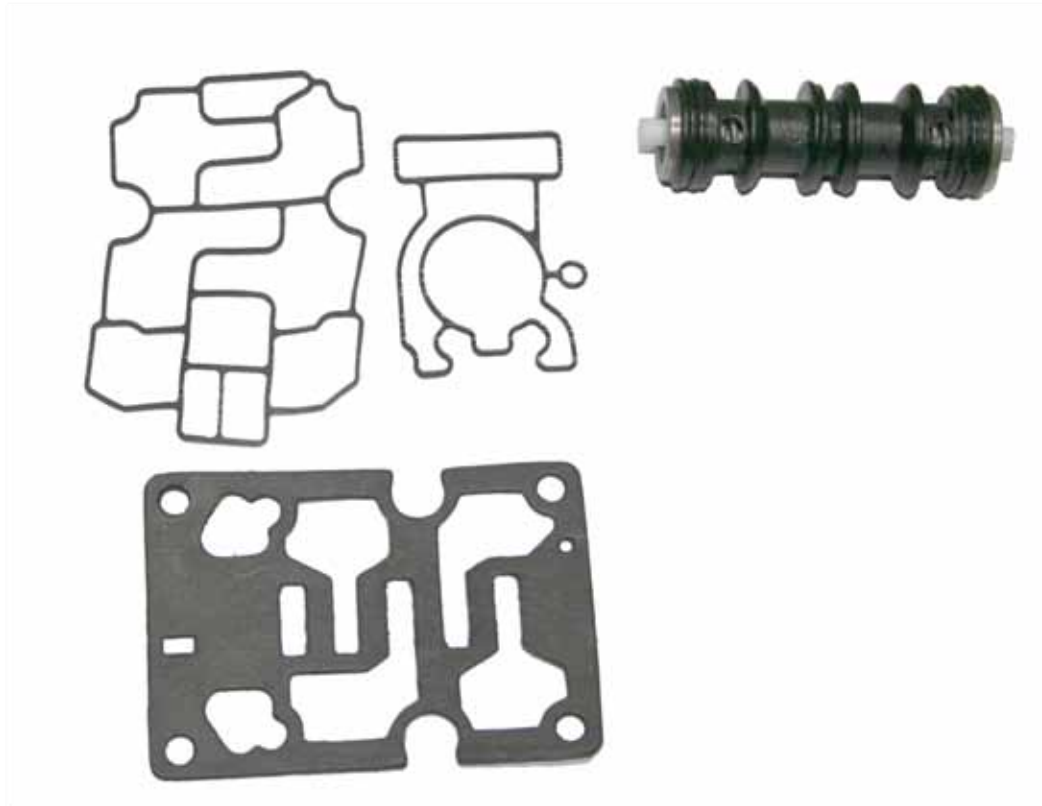


Description	Part #
Schrader Bellow Valve Complete Double	P/N L6653921153

Note: Other sizes and Parts numbers are also available

Repair Kit for Solenoids

Description	Part #
Aeration Solenoid Repair Kit Mac	K55001
Single Solenoid Repair Kit Mac Old Style	K63008
Double Solenoid Repair Kit Mac Old Style	K63011
Single Solenoid Repair Kit Mac New Style	K63016
Double Solenoid Repair Kit Mac New Style	K63019
Water Solenoid Repair Kit Mac	K-09006
Kit for PRK Valve K175903553	K-352166
Schrader & Bellow Solenoid Repair Kits	K352-151
Schrader & Bellow Solenoid Repair Kits	K322126



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Drive Sprockets

Description	Part #
Sprocket for Jackshaft Transfer Conveyor (Motor)	H60P13
Sprocket for TurnHead (Motor)	H60P14
Sprocket for Power Travel (Red)	H80Q19
Sprocket for TurnHead (Shaft)	60Q60
Sprocket for Jackshaft Transfer (Shaft)	60Q72
Sprocket for Radial Stacker (Hub)	80A50



Chains

Description	Part #
60 Rivet Chain (For TurnHead)	J60
80 Rivet Chain (For Power Travel)	J80
Master Links 60	ML60
Master Links J80 #332282	J80C/P

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Silo & Batcher (Transition Kits)

Description	Part #
Slide Gate 10"	E.S.-10
10" Butterfly Valve	Bray valve
10" Collar & Flange	C-10
Air Cylinder Bracket	ACB 10" Bray valve
3-1/4" X 8" Cylinder	ST3P2325X8SP530



8"-10"-12"

Transition Emergency Slide



Slide Plate



8"-10"-12" Transition

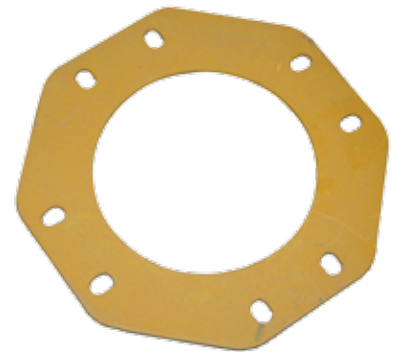


20X20

12" Collar & Flange



8"-10"-12" Flat Flange



8"-10"-12" Collars
on 16" Square Plate



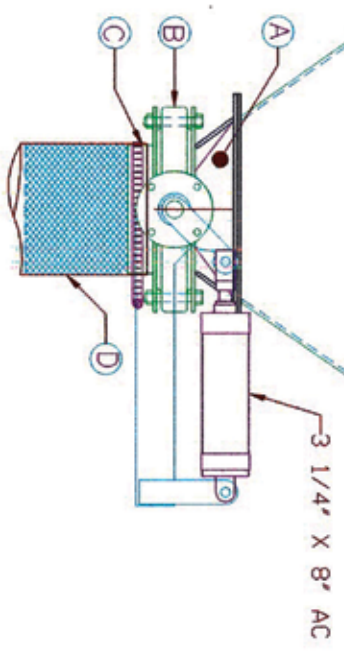
Boot 12" long X12"



12" Ring

Cement Batcher Transition

MARK	DESCRIPTION
A	TRANSITION FROM EXISTING SILO FLANGE
B	10" DIA. BUTTERFLY VALVE WITH AIR CYLINDER
C	10" COLLAR (FLUME HOOKS TO IT WITH CLAMP)
D	10" DIA. FLUME



Desig. By: A. COPAS
 DATE: 10-18-02
 SCALE: NONE

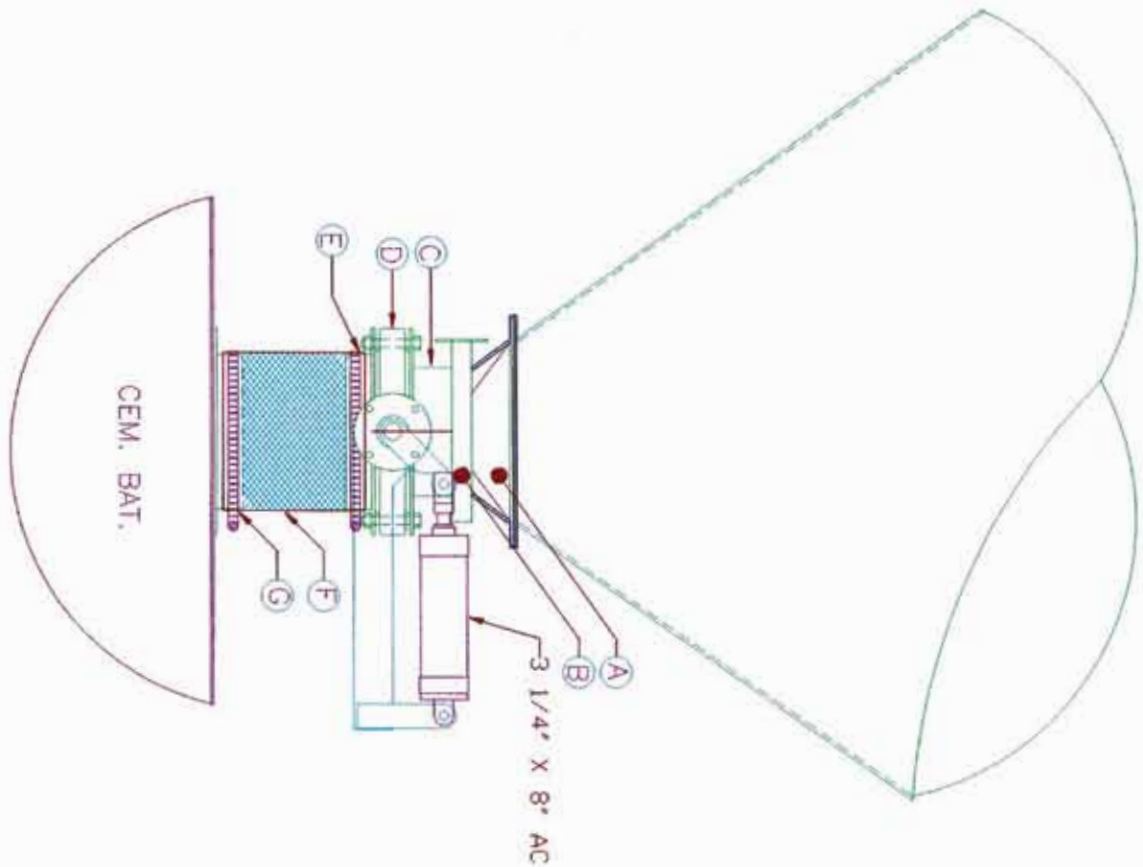
Stephens
 TOMPKINSVILLE, KY. 42167

FOR: CUSTOMER FAX
 TITLE: SILO VALVE REPLACEMENT ARRANGEMENT

DRAWING NO.
 40103-B



Silo Transition Assembly



MARK	DESCRIPTION
A	TRANSITION FROM EXISTING SILO FLANGE
B	EMERGENCY SLIDE PLATE
C	10" COLLAR
D	10" DIA. BUTTERFLY VALVE WITH AIR CYLINDER
E	12" COLLAR (FLUME HOOKS TO IT WITH CLAMP)
F	12" DIA. FLUME
G	12" COLLAR ON 16" SQUARE PLATE TO WELD ON EXISTING CEMENT WIEGH HOPPER FLUME CONNECTS WITH HOSE TYPE CLAMP



Des. Br: A. COPAS
 DATE: 10-18-02
 SCALE: NONE

Stephens
 TOMPKINSVILLE, KY 42167

FROM: CUSTOMER FAX
 TITLE: SILO VALVE REPLACEMENT ARRANGEMENT

Drawing No: 40103-A





Description	Part #
Old Style Collection Hopper	151-153 24"
Old Style Collection Hopper	159- A-D 30"
Old Style Collection Hopper	147-150 36"
Titan Collection Hopper	228-232 30"
Titan Collection Hopper	317 NC 36"



Description	Part #
24" Collection Hopper	CH0024
30" Collection Hopper	CH0030
36" Collection Hopper	CH0036

Collection Hopper/Truck Collection Hopper Components

Silent Turbine

Description	Part #
US 160hs Vibrator	VS160HS
Silent Turbine Vibrator	SM-25
Aggregate VIB	VS320HS
Aggregate VIB	VS380HS
Vibrator 900 F/LB 2100CFM	VS510HS

Turbine Type Air Vibrators

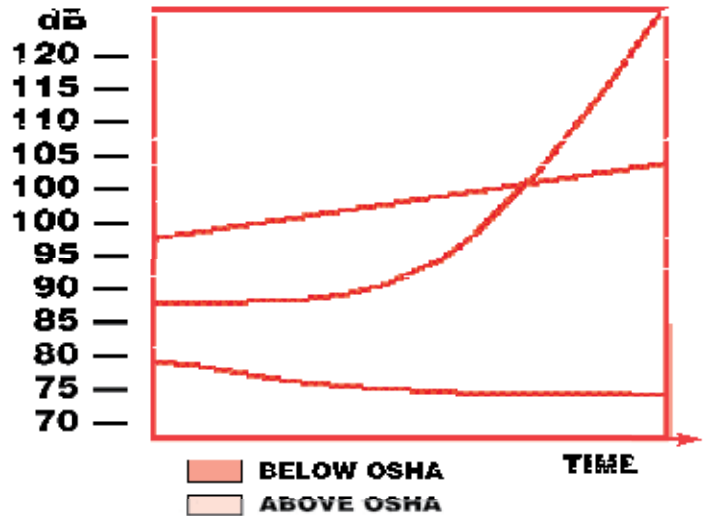


BEST BY TEST

DBA — NOISE — LIFE CURVE

Turbine vibrators maintain 70-75 db's throughout their entire life, as compared to sharp increases in noise levels of ball roller and piston type vibrators. Turbine sound levels actually reduce after a short "break-in" period and retain a constant low sound level throughout their life. Although ball and roller vibrators start at under OSHA limits, they very quickly and steadily increase noise levels to well above OSHA, to beyond bearable range. (See curve.) This is caused by ball or roller jumping and accelerating each time it passes the air inlet, causing pitting and continuing wear to the ball and races.

A turbine vibrator outlasts a ball vibrator 3 to 1.



Description	Part #
Piston Vibrator Cement	55-1-1/4
Piston Vibrator AGG	55-2
Piston Vibrator AGG	55-3

Piston Air Vibrator



Electric Vibrators

Description	Part #
Electric Vibrator (Cement) 3- Phase	2P200
Electric Vibrator 110/220 Volt1.PH (Aggregate)	2P450

Note: Other sizes available to work on most all applications

Part #	Description
P/N 3284	Weld on Handle for Vent door



Part #	Description
P/N 510	3/8"- 16 Handle Zinc PLT



Part #	Description
P/N Eye Bolt 12358	3/8" X 2 1/2" Rod end Eye Bolt



Tank Flanges

Description	Part #
1/8" Tank Flange / Weld-0-let	TKFL18
3/8" Tank Flange / Weld-0-let	TKFL38
1/2" Tank Flange / Weld-0-let	TKFL12
3/4" Tank Flange / Weld-0-let	TKFL34
1" Tank Flange / Weld-0-let	TKFL1
1 1/2" Tank Flange / Weld-0-let	TKFL112
2" Tank Flange / Weld-0-let	TKFL2
3" Tank Flange / Weld-0-let	TKFL3



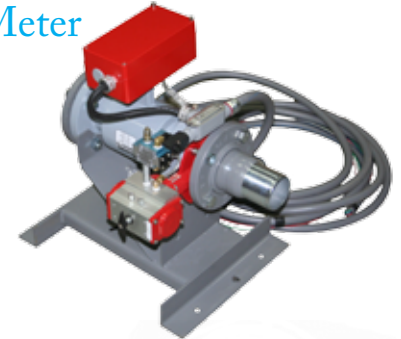
Water Meter

Description	Part #
2" Badger Water Meter Assy Control Box	18654
3" Badger Water Meter Assy Control Box	19654
4" Badger Water Meter (PFT4E) 1000 Gal/Min	258141
2" Y Strainer	MULL 2
3" Y Strainer	MULL 3
4" Y Strainer	MULL 4
Threaded Hose Barb 2" & 3"	DISTC25/DISTC35
Act counter for Water Meter	356B350Q30PX
2" Bray Actuator	920630-11300532
3" Bray Actuator	920630-11300532
4" Bray Actuator	920830-11300532
Bray Limit Switch	501600-24603536
2" Bray Butterfly Valve	300200-11010119
3" Bray Butterfly Valve	300300-11010119
4" Bray Butterfly Valve	300400-11010119
Water Meter Solenoid	912BPM112CA
1/4" Restrictor Muffler	C28
2" Water Meter Stand	PT2233
3" & 4" Water Meter Stand	PT2234

Water Meter Complete



Mag Water Meter



Bray Limit Switch



Parts for Water Meter

Description	Part #
Scaler Board only	250256
Rotor & Spindle 2" 2 Pole	258072
Rotor & Spindle 2" 4 Pole	258047
Rotor & Spindle 3" 2 Pole	258073
Rotor & Spindle 3" 4 Pole	258048

Note: All Water Meter Parts available

Meter Only



Water Meter Control Box



Water Meter Solenoid



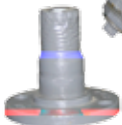
Restrictor Muffler



Y-Strainer

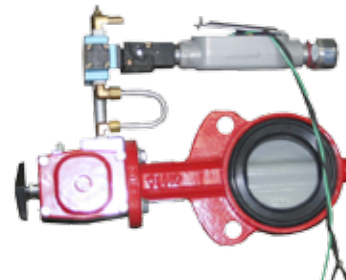


Hose Barb & Flange

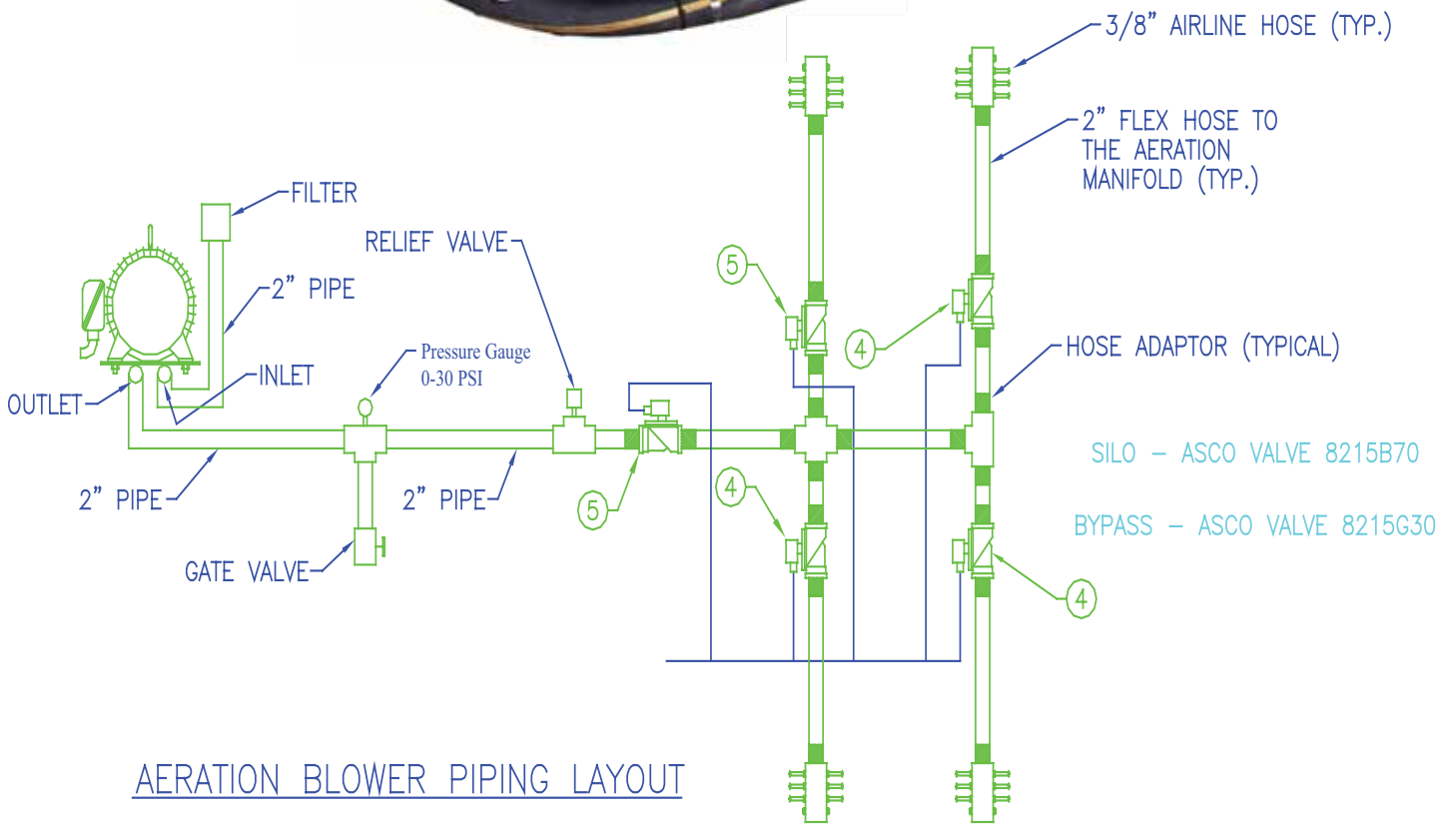


Top View Water Meter Stand

B-Valve, Actuator & Solenoid



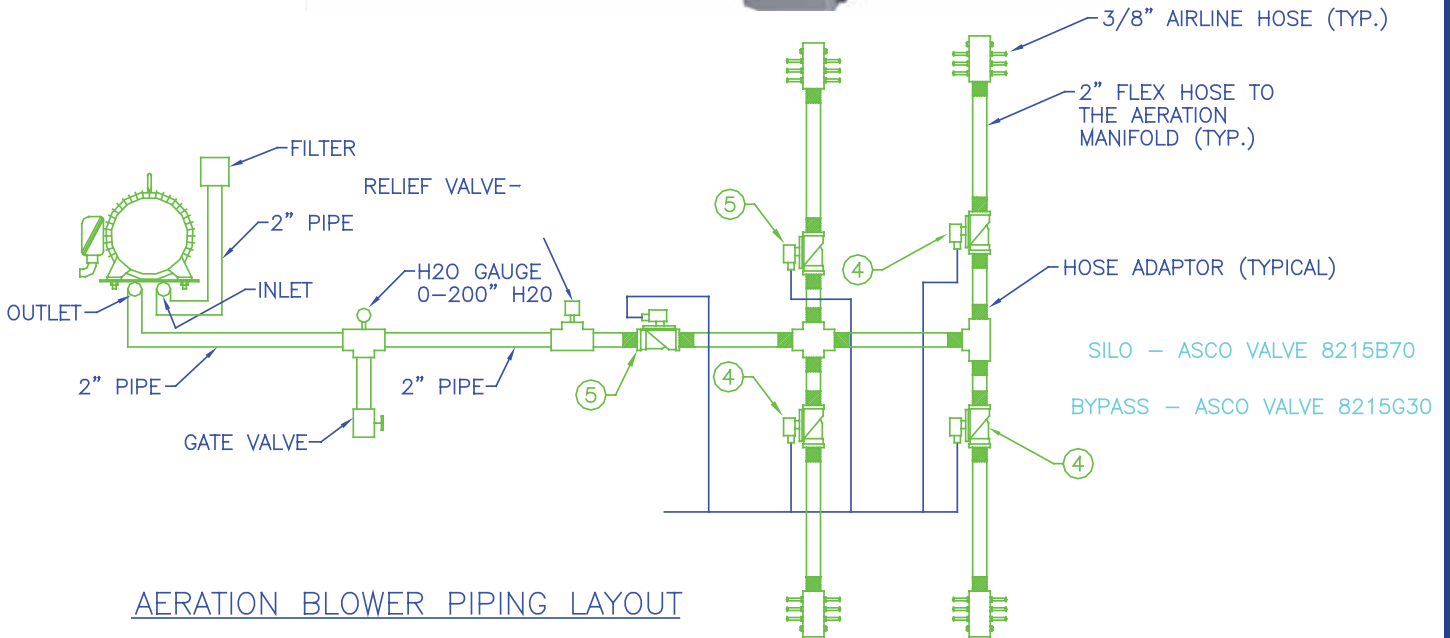
Aeration Blower ROOTS



AERATION BLOWER PIPING LAYOUT

Description	Part #
Boots Blower MDL	33URA1
Inlet Filter	EMF-25-060124
Pressure Relief Valve	13-214-06
0-30 PSI	T8B-L
Gate Valve	206.1
Asco Valve 120/60-1 1/2	8215B70
Asco Valve 120/60 1/4	8210G54
Aeration Manifold	AM895623S0

Aeration Blower FUGI



AERATION BLOWER PIPING LAYOUT

Description	Part #
4.5 HP Blower	604A-7W
Fleet Guard Av Cleaner	AH1140
Pressure Relief Valve	PV-6
Static Pressure Gauge 25.200.200	25.200.200
1" Gate Valve	206.1
Asco Valve 120/60-11/2 {Air}	8215B70
Asco Valve 120/60-1/4	8210G54
Aeration Manifold	AM895623S0

TurnHeads 6Ft.6" Hight. and 7Ft. Hight

Description	Part #
Flange Bearing (TurnHeads)	F3U232N
TurnHead Shaft with 1/2" Key Way	2" X 42-1/2"
Reducer (Dodge) TurnHead	(M94408)
Motor (1/2HP)	VL-3504
Bushing (Red)	P1- 7/8
Sprocket (Red)	H60P14
Sprocket (for) Shaft	60Q60
Bush (for) Shaft	Q1-2
Limits Switch	9007-C54B2
Limit Switch Arm 1 1/2"	9007-MA18
Chain	J60



Chute Parts

Description	Part #
Bearing Two Bolt Flange Brg.2"	FX3Y2E32N
Shaft	2" Shaft 37" or 43"
Cylinder 3 1/4" X 8" Star	ST3P2325X85P530
Solenoid 6300 Mac Single	6313D611PM112DA

2 Way

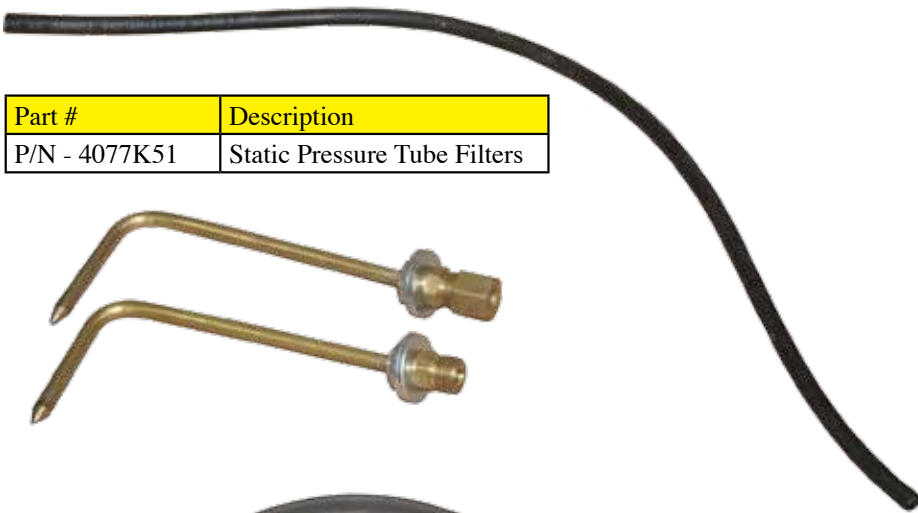


3 Way



Filter Vent Magnehelic Gauge Kit

Part #	Description
P/N - 44P	1/4" Poly - tubing



Part #	Description
P/N - 4077K51	Static Pressure Tube Filters



Description
1/8" NPT - Tap



Description
Q Drill Bit



Part #	Description
P/N 18-179L	1/4" Comp X 1/8 MPT STR



For a complete "up-to-date" Parts Catalog, please visit the catalog on our website. www.stephensmfg.com

Part #	Description
P/N 2010	0-10" Static Pressure Mag Gauge

Part #	Description
P/N 22-010	1/4" Brass Insert

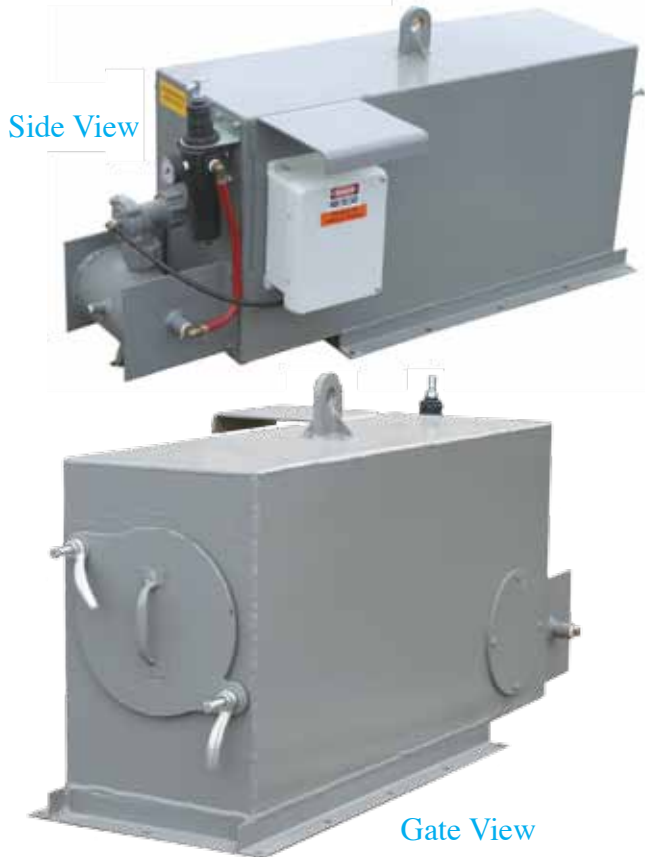


Magnehelic Gauge Kit

Weigh Batcher Filter Vents are an efficient means of collecting dust particles and preventing them from being discharged into the atmosphere during the batching process. Particles accumulated are recycled and discharge back into the weigh batcher.



SV-20 Batcher Vent mounts on top of the cement Batcher. The filtration process occurs when displaced air is forced through bags and clean air is pulled through the bags when the batcher discharges. (Dimensions are: 22-3/4" H, 37" L, 9-1/2" W. The unit weighs approximately 115 Lbs.



The SV-45 and SV-65 Filter Vents mount on the side of the silo with flexible 6" diameter hose connecting the vent to the Cement Batcher. The bags are cleaned by a 1/3 HP single phase motor that is activated when the batcher gate opens.

Vent	Height	Width	Length
SV-45	79"	21"	39"
SV-65	79"	30"	39"



SOS - 80 (Cartridge type) weigh batcher filter vent, vent mounted on top of the Cement Batcher. Contains one replaceable cartridge that is cleaned by pulse air. No tools required to replace cartridge, cartridge replacement is quick and easy. (Dim. 19-5/8" H x 36-1/2" L x 12-1/4" W)

- **Stephens Filter Vents** provide highly effective dust control for cement, flyash, and other granular material.
- **Dual-Density Filter Bags** of Polyester/Dacron fibers trap 99.6% of moving dust particles, allowing the release of clean air into the atmosphere. Valuable materials are then recycled for reuse.
- Vent Housing is of a high quality steel and the full length access door allows for easy maintenance and service of bags.
- **Blowers** are available for all units. Call 1-800-626-0200 for complete information.



Filter Bag Specifications:

Fiber.....Polyester / Dacron
 Construction.....Felt, Duo-Density
 Air Permeability.....30-40 CFM Sq.Ft.
 Temp. Range.....220°-440°F
 * Recovery.....99.6% to one Micron size

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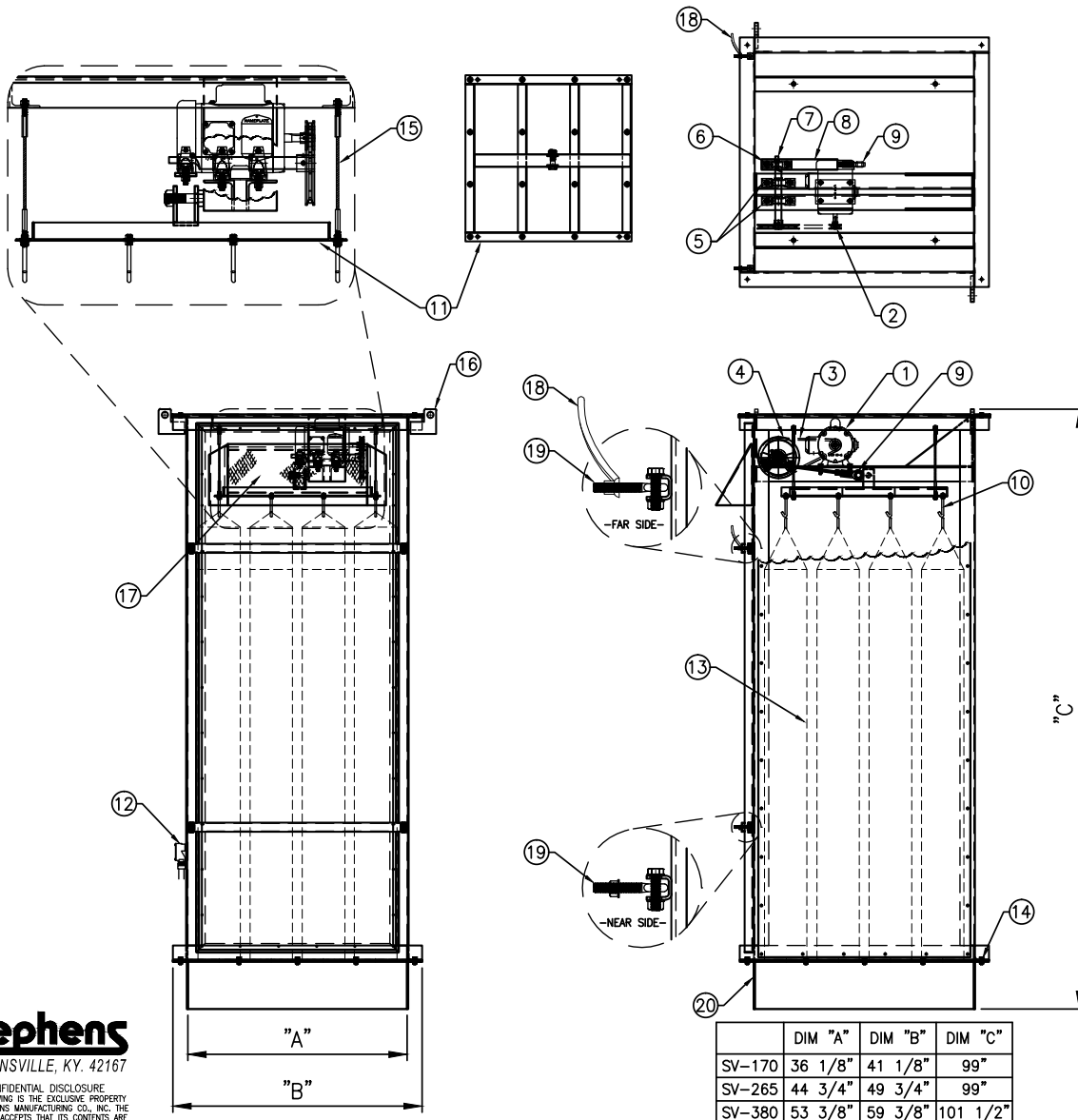
Model No.	No. Of Bags	Bag Sizes	Cloth Area	Approx. Wit.	Dim ‘A’
SV-170	16	7” Dia x 72”	170 Sq. Ft.	750 Lbs	36”
SV-265	25	7” Dia x 72”	265 Sq. Ft.	875 Lbs	44”
SV-380	36	7” Dia x 72”	380 Sq. Ft.	1,000 Lbs	54”

Stephens Filter Vents can meet all local, state and federal air pollution regulations.
 Note: We reserve the right to amend standard specifications without notice.

ITEM	DESCRIPTION	PART #	QUANTITY
①	1/3 HP 1-PH MTR 1750	L3501 BALDOR	1
2	SHEAVE AK20-5/8	121637	1
3	BELT	4L360	1
4	SHEAVE AK71-1	121597	1
5	1" DODGE BEARING	123806	2
6	1/2" DODGE BEARING	123830	1
7	ECCENTRIC DRIVE SHAFT 1"x12"	WPECCENTRICL	1
8	RELAY STRAP	485695	1
9	3/4"-16 ROD END BEARING	TF-12N	1
10	5/16" x 4 1/4" J-BOLT	12050	*
11	SHAKER RACK ASSEMBLY	SV-___ S.R.	1
12	1/2" LB CONDUIT FITTING	SLAY-50	1
13	6' FT. SNAP IN FILTER BAGS	272-009-01	*
14	3/8"-16 BOLT w/NUT & WASHERS	3/8" x 1" BOLT	*
15	RELAY CABLE 3/8"	JS12UU-1	4
16	LIFTING LUGS		2
17	EXHAUST VENT WITH BIRD SCREEN	EXH/SCRN	1
18	HANDLE NUT 3/8-16 ZINC PLT	510	2
19	3/8"-16 ROD END BEARING		4
20	ADAPTER FLANGE	SV-___ A.F.	1
21	1/2 X 3/4 GASKET MATERIAL	SCE41BWPSA60	*

DESCRIPTION	PART #
17" SNAP IN 4" DIA.	272-012-01
36" BAGS CLAMP ON 7" DIA.	272-003-01
72" BAGS CLAMP ON 7" DIA.	272-001-01
72" BAGS SNAP IN 7" DIA.	272-009-01
105" BAGS SNAP IN 7" DIA. 9-OZPEDD	272-016-01
117" BAGS SNAP IN 7" DIA. 9 OZ.	272-014-01

FILTER VENT SIZE			
	SV-170	SV-265	SV-380
ITEM	QUANTITY		
10	16	25	36
13	16	25	36
14	16	32	28
21	420"	450"	480"



Stephens
TOMPKINSVILLE, KY. 42167

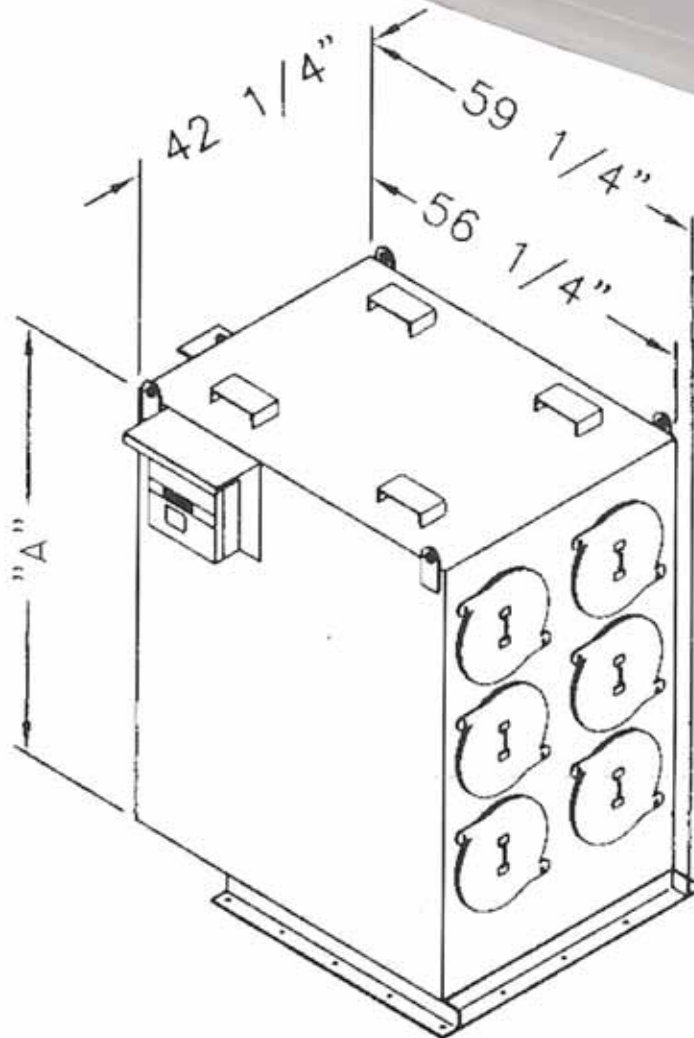
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EXAMINATION WITHOUT WRITTEN CONSENT.

Features:

- Easy to replace cartridges, no tools required and no confined space. Cartridges replace from outside vent.
- Cartridges cleaned semi automatically by pulse reverse air for continuous cleaning.
- All Parts and cartridges are kept in stock.

Cartridge Specifications:

Fiber.....100% Polyester
 Construction.....Non-Woven, Pleated
 Temp. Range.....200 Degrees
 Recovery.....99.95% to 1 micron and above



Model No.	No. of Cartridges	Cloth Area	Dim 'A'
SOS-1020	3	450 Sq. Ft	4'4"
SOS-1360	4	600 Sq. Ft	4'4"
SOS-2040	6	900 Sq. Ft	5'0"
SOS-1020X2	6	900 Sq. Ft	5'0"

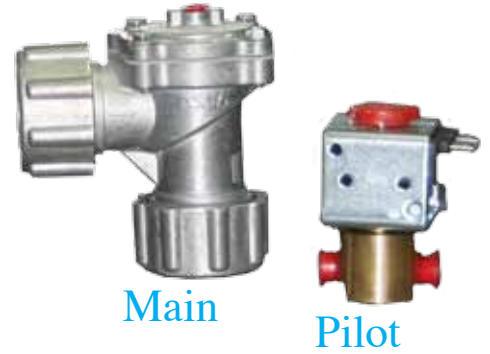
Description	Part #
7-7/8" OD X 3-3/8" X 26" Long (SOS-80 Only)	10005055
13.865" OD X 9.48 "ID X 36" Long	Vencor 1384x36

Cartridge Filters



Valves

Description	Part #
ASCO Valve SOS 120/60	PSF8262C2
1" ASCO Valve (SOS)	Vencor 1384X.36



Main

Pilot

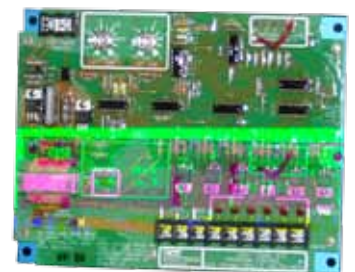
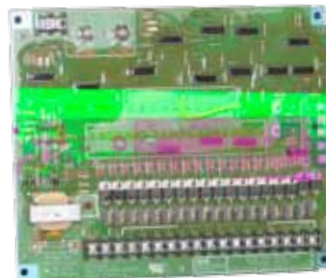
Gauge

Description	Part #
0-10" Staic Pressure Mag Gauge	2010



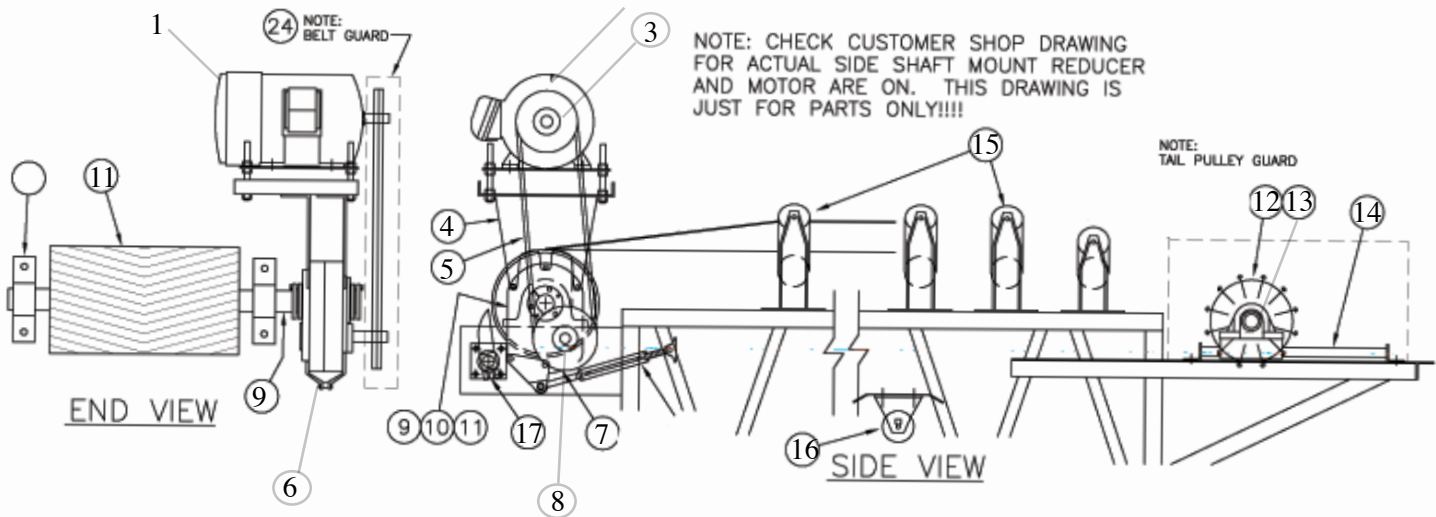
Sequence Boards

Description	Part #
Board for SOS-680/1020	DNC-T2003-A10
Board for SOS-2700/3400/4000	DNC-T2006 A10
Board for SOS-6100	DNC-T2010 A10
Board for SOS-8000	DNC-T2020 A10



24" & 30" X 36' Long Transfer Conveyor

Mark	Description	24" Part #	30" Part #
1	Motor	P2153027 10HP	P2553029 15HP
2	Motor Sheave	455247	455247
3	Motor Bushing	120427	120427
4	Motor Bracket	(243392)	(24392)
5	Belts	5VX710	5VX800
6	Gear Reducer #244527	243501	244526
7	Gear Reducer Sheave	455249	455249
8	Gear Reducer Bushing	120425	120425
9	Turned 2 3/16" Shaft	MH27164836	MH27165436
10	Pillow Block Bearing	(126818) 2 7/16	(126818) 2 7/16
11	Head Pulley	12" X 26" Bushing SFQD 2 7/16	12" X 32" Bushing Type E
12	Wing Pulley	10" X 26" Bushing SFQD 2	10" X 32" Bushing SFQD 2 7/16
13	Pillow Block Bearing	(126815) 2"	(126815) 2"
14	Tube Takeup Units	2" PTB294240 12" Travel	2" PTB294240 12" Travel
15	Troughing Idlers	B4-35TE-24SB Precision	B4-35TE30SB Precision
16	Return Idlers	B4R-24-SB Precision	B4R-30-SB Precision
17	Titan Belt wiper	WB245TBW19	WB305TBW19



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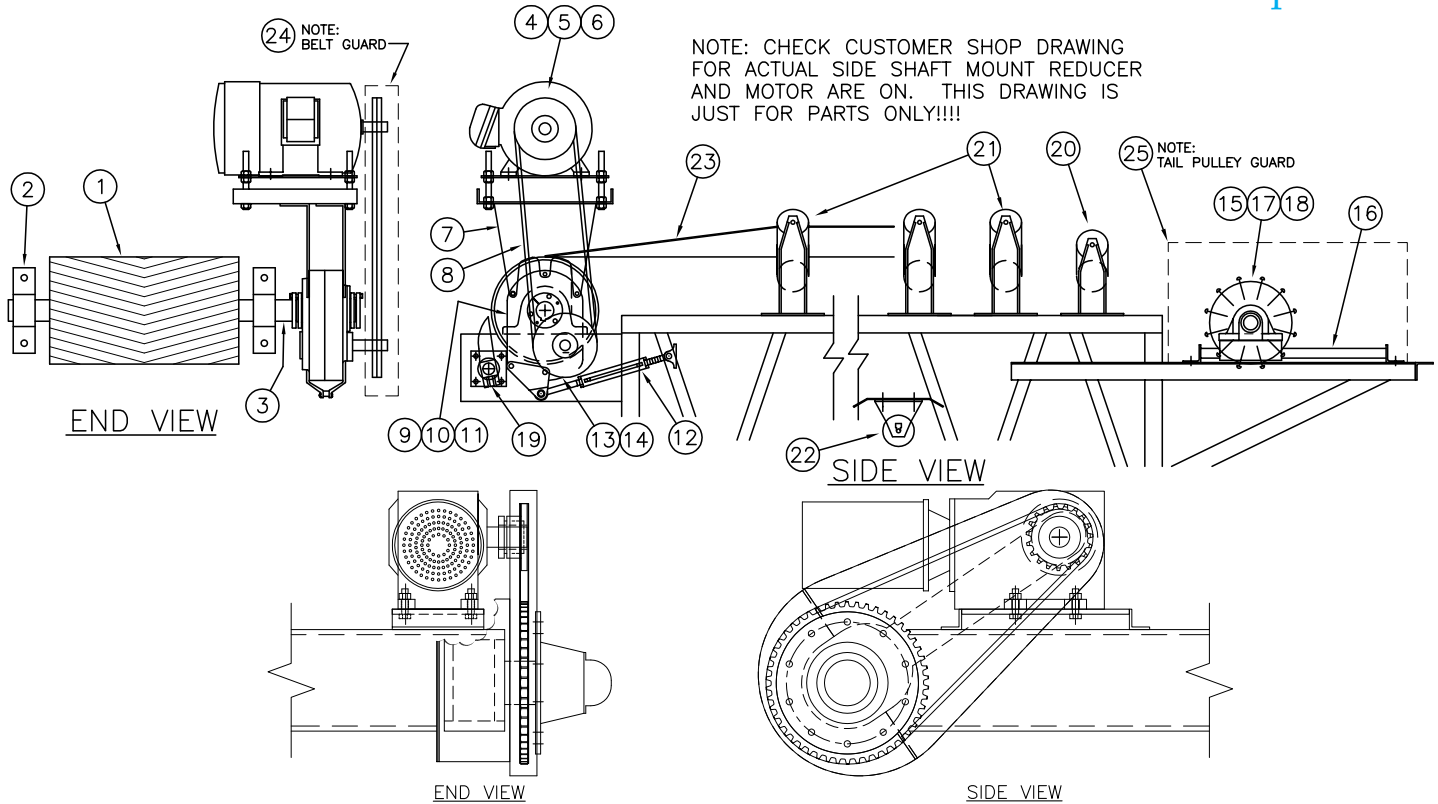
15 HP-24" Belt: Truss or Radial Stacker Conveyor Drive & Component Parts

ID	Item	Description	Qty.	Brand	Part#
1	Head Pulley	20" Dia. X 26" Face with 3/8" Lagging	1	Precision	H-XPD2026PXT35
2	Head Bearing	P2B-SCM-207 2 7/16	2	Dodge	126818
3	Head Shaft	2 7/16" X 48" Long (Check Length)	1	Stephens	MH27164824
4	Electric Motor	15 hp - 254T Frame - 1750 RPM	1	Reliance	P25S3029
5	Sheave (Motor)	2/5V7.1-SK (7.0" Pitch)	1	Dodge	455248
6	Bushing	SK-1 5/8	1	Dodge	120431
7	Motor Mount	TA4207MM (143-326T)	1	Dodge	904090
8	Drive Belts	5VX950 (Position B-M3~34.8 Centers)	2	Dodge	107195
9	Shaft Mount Reducer	TA4207H25 (207D25) 25.13-1	1	Dodge	904001
10	Red. Backstop	TA4207BS Backstop Assembly	1	Dodge	904102
11	Red. Taper Bushing	TA4207TB X 2 7/16	1	Dodge	904022
12	Red. Tie Rod	TA4207RA Rod Assembly	1	Dodge	904109
13	Sheave (Reducer)	2/5V9.25-SK (9.15" Pitch)	1	Dodge	455253
14	Bushing	SK-1 7/16	1	Dodge	120428
15	Tail Pulley	16" Dia. X 32" Face "Winged"	1	Precision	W-XPW1626PXT30
16	Take-up Unit	Typ. 24" Travel Truss Type	2	Stephens	12TU200M
17	Tail Bearing	P2B-SCM-207	2	Dodge	126818
18	Tail Shaft	2 7/16" Dia. X 35 1/4" Long (Check Length)	1	Stephens	MH2716352524
19	Belt Wiper	24" Titan Belt Wiper Assembly	1	Stephens	P24STBW19
20	Troughing Idler	24" Troughing Idler 20-Deg		Precision	B4-20TE-24SB
21	Troughing Idler	24" Troughing Idler 35-Deg		Precision	B4-35TE-24SB
22	Return Idler	24" Return Idler		Precision	B4-R-24SB
23	Conveyor Belting				
24	Drive Belt Guard	TA4207B/GB Belt Guard		Dodge	904096
25	Tail Pulley Guard	Fabricated in shop			

Notes & Revisions

Conveyor Information	
Shaft RPM	53.3
Conveyor FPM	289.4
Conveyor TPH	529
Sheave Ratio	1.31
Drive Belt HP	40>26

24" Belt: Radial Stacker/Truss 60'-0" to 80'-0" with Screw Take-Ups



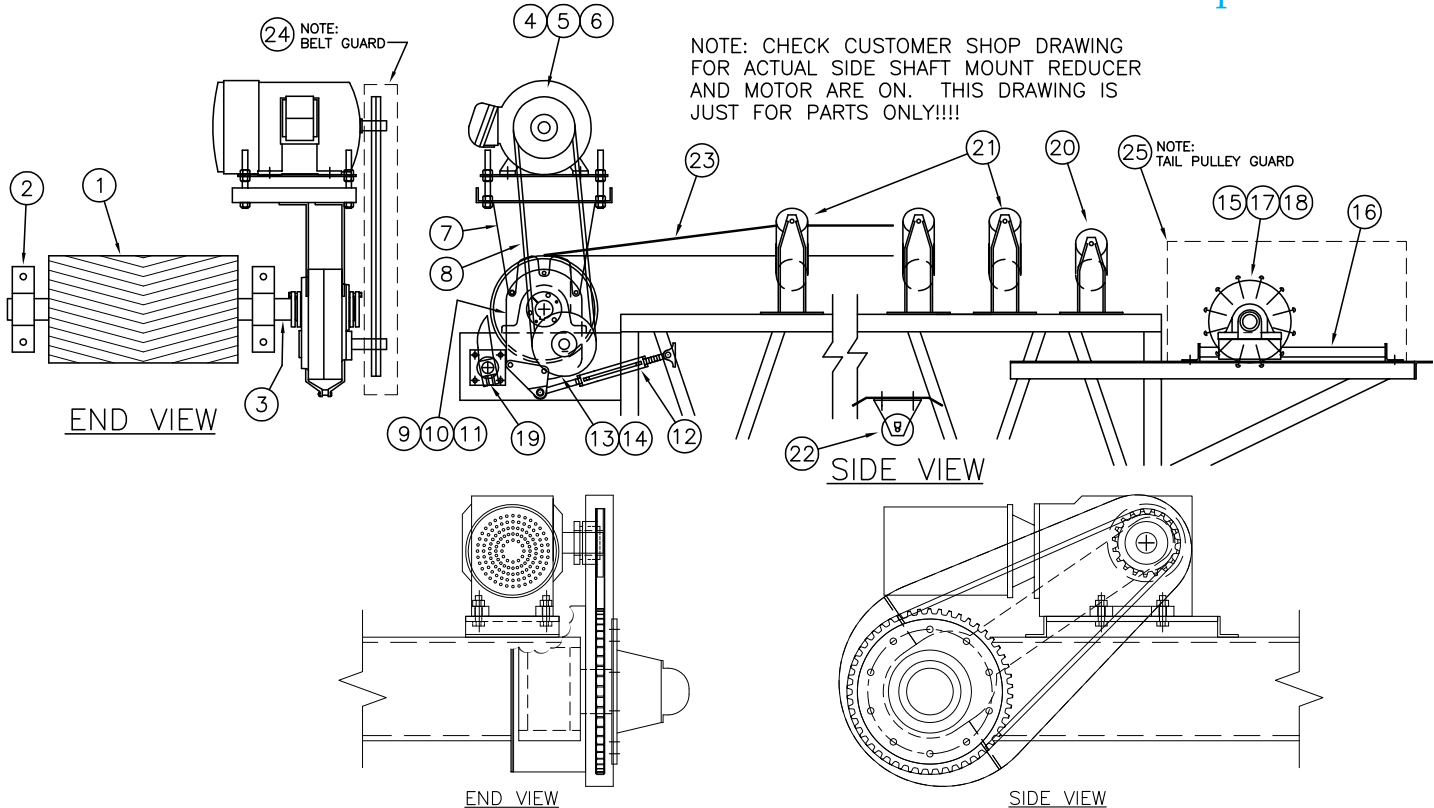
20 HP-30" Belt: Truss or Radial Stacker Conveyor Drive & Component Parts

ID	Item	Description	Qty.	Brand	Part#
1	Head Pulley	20" Dia. X 26" Face with 3/8" Lagging	1	Precision	H-XPDP2032PXT30
2	Head Bearing	P2B-SCM-207 2/15/16	2	Dodge	126821
3	Head Shaft	2 15/16" > 2 7/16" at Reducer (check Length)	1	Stephens	
4	Electric Motor	20 hp - 254T Frame - 1750 RPM	1	Reliance	P25S3031
5	Sheave (Motor)	2/5V7.1-SK (7.0" Pitch)	1	Dodge	455248
6	Bushing	SK-1 5/8	1	Dodge	120431
7	Motor Mount	TA4207MM (143-326T)	1	Dodge	904090
8	Drive Belts	5VX950 (Position B-M3~34.8 Centers)	2	Dodge	5VX950
9	Shaft Mount Reducer	TA4207H25 (207D25) 25.13-1	1	Dodge	904001
10	Red. Backstop	TA4207BS Backstop Assembly	1	Dodge	904102
11	Red. Taper Bushing	TA4207TB X 2 7/16	1	Dodge	904022
12	Red. Tie Rod	TA4207RA Rod Assembly	1	Dodge	904109
13	Sheave (Reducer)	2/5V9.25-SK (9.15" Pitch)	1	Dodge	455253
14	Bushing	SK-1 7/16	1	Dodge	120428
15	Tail Pulley	16" Dia. X 32" Face "Winged"	1	Precision	W-XPW1632PXT30
16	Take-up Unit	Typ. 24" Travel Truss Type	2	Stephens	12TU200M
17	Tail Bearing	P2B-SCM-207	2	Dodge	126818
18	Tail Shaft	2 7/16" Dia. X 48" Long (Check Length)	1	Stephens	
19	Belt Wiper	30" Titan Belt Wiper Assembly	1	Stephens	WP30STBW19
20	Troughing Idler	30" Troughing Idler 20-Deg		Precision	B4-20TE-30SB
21	Troughing Idler	30" Troughing Idler 35-Deg		Precision	B4-35TE-30SB
22	Return Idler	30" Return Idler		Precision	B4-R-30SB
23	Conveyor Belting				
24	Drive Belt Guard	TA407B/GB		Dodge	904096
25	Tail Pulley Guard	Fabricated in shop			

Conveyor Information	
Shaft RPM	53.3
Conveyor FPM	289.4
Conveyor TPH	529
Sheave Ratio	1.31
Drive Belt HP	40>26

Notes & Revisions

30" Belt: Radial Stacker/Truss 60'-0" to 70'-0" with Screw Take-Ups



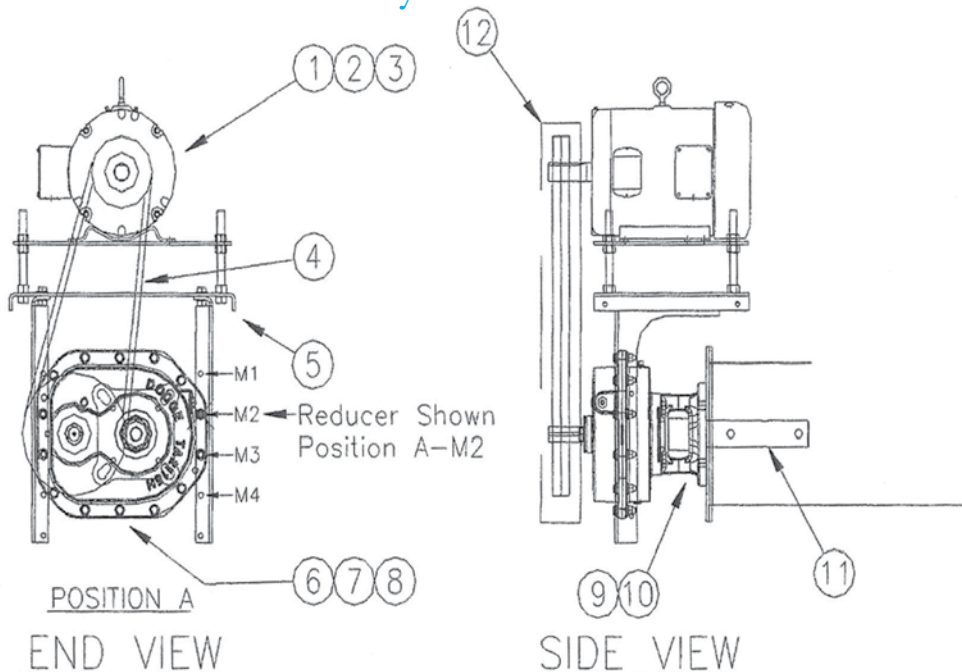
9" Diameter Screw Conveyor with 10 Hp. Motor

ID	Item	Description	Qty.	Brand	Part#
1	Motor	10 HP - 215T - 1755 RPM	1	Reliance	P21S3027
2	Sheave (Motor)	2/5V4.4-SDS (4.3")	1	Dodge	455240
3	Bushing (Motor)	SDS-1 3/8	1	Dodge	120402
4	Drive Belt	5VX600 (Position A-M2~19.8" Centers)	2	Dodge	SVX600 Belt
5	Motor Mount	TA2115MM (56-256T)	1	Dodge	902090
6	Shaft Mount Reducer	TA2115H05 (115S05) (5.2-1)	1	Dodge	902004
7	Sheave (Reducer)	2/5V8.5-SK (8.4")	1	Dodge	455251
8	Bushing (Reducer)	SK-1 1/8	1	Dodge	120423
9	Adapter & Hardware Kit	TA2115SCA Adaptor	1	Dodge	902070
10	Adjustable Packing Kit	TA2115SCP ADJ. Packing	1	Dodge	902071
11	Drive Shaft	TA2115SCS X 2 Shaft	1	Dodge	903073
12	Drive Belt Guard		1	Stephens	
14	Hanger	2" Hanger Assembly. FMC 226- 9x2	1	Martin	0162-484-6
15	Center Hanger Bearing	2" Hanger Bearing # 220 Martin	1	Martin	CHB2204MHI-0
16	Discharge End Bearing	2" Dia Link Belt Bearing	1	Link	F3U232N
17	Discharge End Shaft				

Notes & Revisions

Conveyor Information	
Shaft RPM	172.73
Conveyor TPH	
Sheave Ratio	1.95
Drive Belt HP	16.4>13

9" Diameter Screw Conveyor with Shaft Mount Reducer



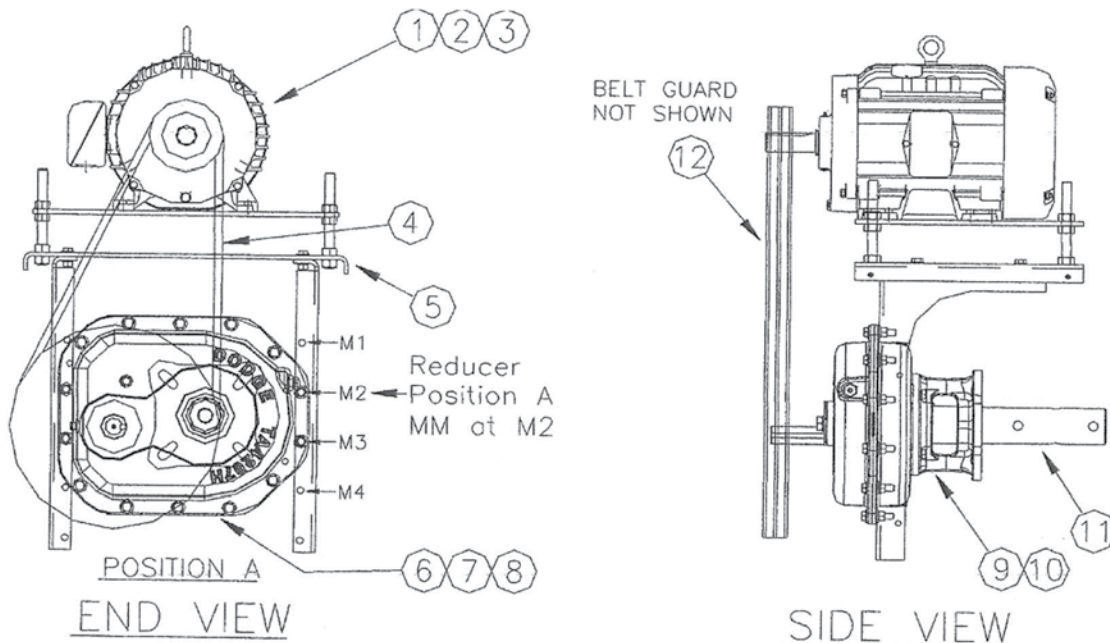
12" Diameter Screw Conveyor with 10 Hp. Motor

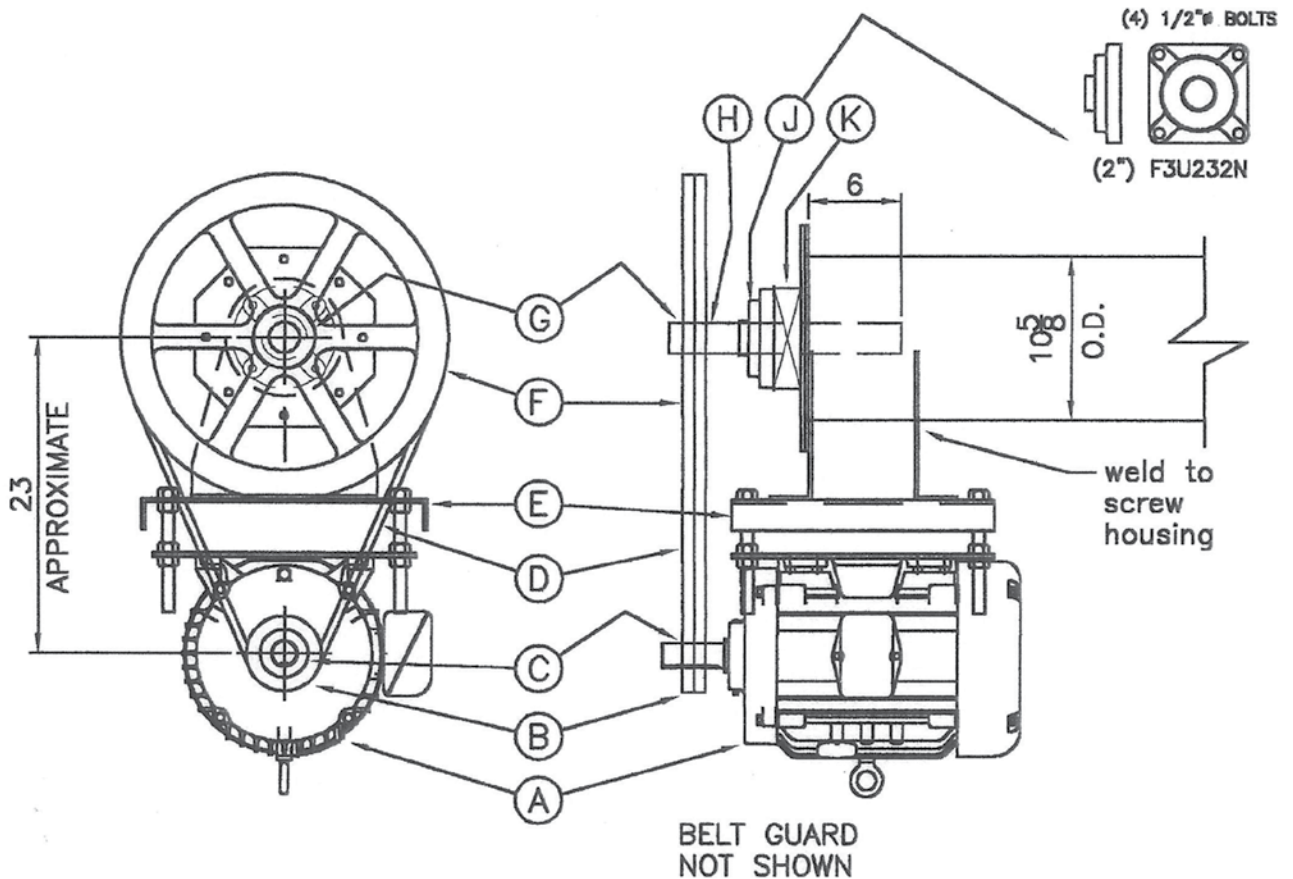
ID	Item	Description	Qty.	Brand	Part#
1	Motor	20 HP - 1750 rpm 256T Frame		Reliance	P25S3031
2	Sheave (Motor)	2/5V5.9-SDS (5.8" Pitch)	1	Dodge	455245
3	Bushing (Motor)	SDS-1 5/8	1	Dodge	120406
4	Drive Belt	5VX850 (85" Belt for 26.6" Sheave Centers)	2	Dodge	5VX850 Belt
5	Motor Mount	TA4207H05MM Motor Mount	1	Dodge	904090
6	Shaft Mount Reducer	TA4207H05 (207S05) (5.00-1 Ratio)	1	Dodge	904004
7	Sheave (Reducer)	2/5V14.0-SF (13.9" Pitch)	1	Dodge	455261
8	Bushing (Reducer)	SF-1 7/16- KW Bushing	1	Dodge	120463
9	Adapter & Hardware Kit	TA2115SCA Adaptor	1	Dodge	902070
10	Adjustable Packing Kit	TA2115SCP ADJ. Packing	1	Dodge	902071
11	Drive Shaft	TA3203SCSX3 Drive Shaft	1	Dodge	903075
12	Drive Belt Guard		1	Stephens	Factory made
14	Hanger	3" Hanger Assembly. FMC 226- 12x3	1	Martin	0162-489 L
15	Center Hanger Bearing	3" Hanger Bearing	1	Martin	CHB2206MHI-0
16	Discharge End Bearing	3" Link Belt Bearing	1	Link	F3U2E48N
17	Discharge End Shaft				

Notes & Revisions

Conveyor Information	
Shaft RPM	146.04
Conveyor TPH	
Sheave Ratio	2.4
Drive Belt HP	30.24

12" Diameter Screw Conveyor with Shaft Mount Reducer





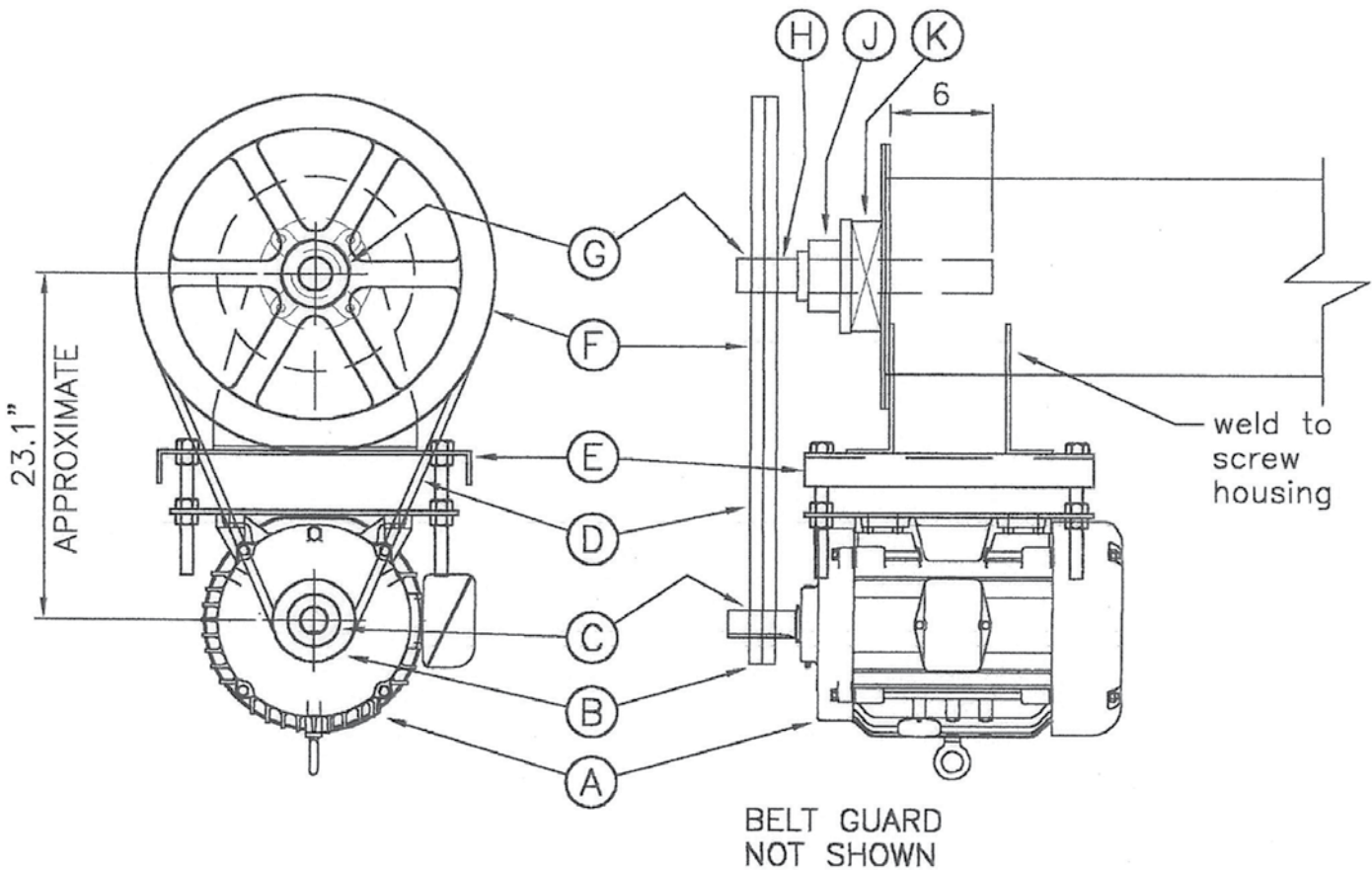
Direct Drive: Shown With Motor Under-Slung

9" Dia. Screw Conveyor with 10HP-256T 1160 RPM Direct Drive Motor

Screw Conveyor Drive Components

ID	Description	Brand	Qty.	Part #
A	10 HP Motor 1160 RPM 256T	Reliance	1	P25S3027
B	2/5V4.9-SDS (4.8") Sheave	Dodge	1	455242
C	SDS-1 5/8 Bushing	Dodge	1	120406
D	5VX900 Belt (90" Belt/23.0" SC)	Dodge	2	5VX900 Belt
E	Stephens made Motor Mount	Stephens	1	
F	2/5V21.2-SF (21.1") Sheave	Dodge	1	455265
G	SF-2 Bushing	Dodge	1	120472
H	2" Dia. Drive Shaft - 15" Long	Stephens	1	
J	2" Dia. Flange Block Bearing	Link-Belt	1	F3U232N
K	2" Dia. Waste Packing Seal	Dodge	1	0121-100-002
K	2" Dia. Rahide Seal	CR	1	19992

Screw Conveyor RPM=264



Direct Drive: Shown With Motor Under-Slung

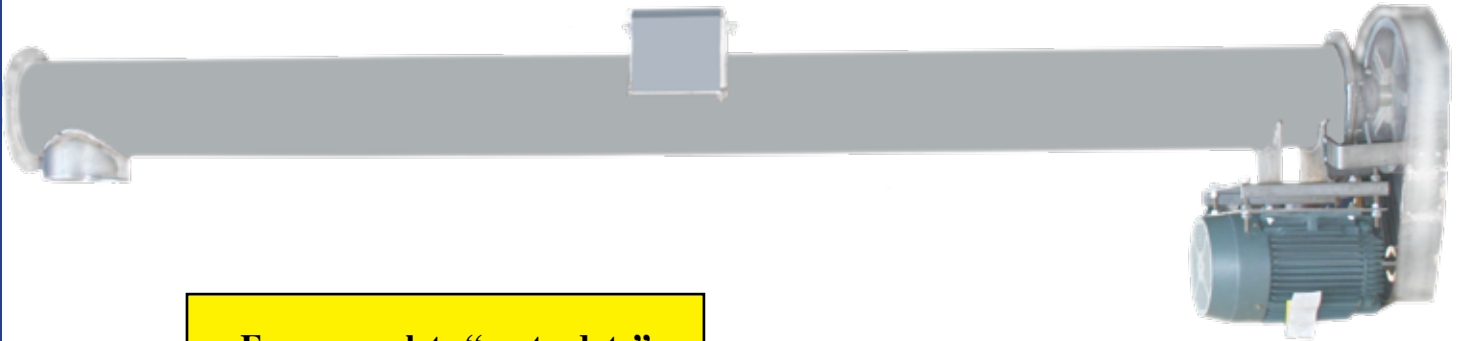
12" Dia. Screw Conveyor with 20HP-286T 1150 RPM Direct Drive Motor

Screw Conveyor Drive Components

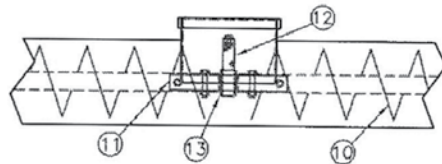
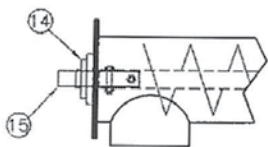
ID	Description	Brand	Qty.	Part #
A	20 HP Motor 1150 RPM 286T	Reliance	1	P28S3027
B	4/5V4.90-SD (4.8") Sheave	Dodge	1	455302
C	SD-1 7/8 Bushing	Dodge	1	120386
D	5VX900 Belt (90" Belt/23.1" SC)	Dodge	4	SVX900 Belt
E	Stephens made Motor Mount	Stephens	1	
F	4/5V21.2-E (21.1") Sheave	Dodge	1	455325
G	E-3 Bushing	Dodge	1	120522
H	3" Dia. Drive Shaft - 18" Long	Stephens	1	MH318
J	3" Dia. Flange Block Bearing	Link-Belt	1	F3U2E48N
K	3" Dia. Waste Packing Seal	Dodge	1	0121-102-002

Screw Conveyor RPM=261.6

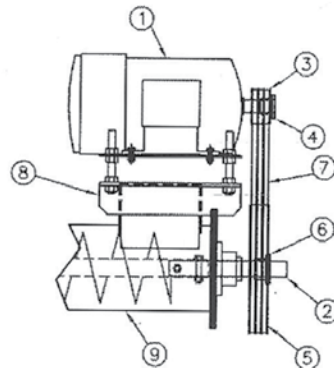
Mark	Description	9" Part #	12" Part # (15HP)	12" Part # (20Hp)
1	Motor	P21S3027	P25G4902	P25S3031
2	Drive Shaft	2"X15" 1/2 Key Way 6"	3"X15" Turn to 2 7/16"X6	3"X15" Turn 2 7/16" X 6"
3	Motor Sheave	3/5V42	3/5V46	4/5V46
4	Bushing	SK-1 5/8 (120431)	SK-1 7/8 (120435)	SK-1 7/8 (120435)
5	Screw Sheave	3/5V184	3/5V200	4/5V200
6	Bushing	SK-2	SK-2 7/16 (120444)	SK-2 7/16 (120444)
7	Drive Belts	(3) 5V X 800	(3) 5V X 900	(3) 5V X 850
8	Motor Mount Bracket	Special	Special	Special
9	Steel Pipe	2" D.O.M. Tubing	3" D.O.M. Tubing	3" D.O.M Tubing
10	Screw Flighting (1/2 Pich First 5')	2/3 Pitch Remainder	2/3 Pitch Remainder	2/3 Pitch Remainder
11	Hanger Bearing Connection Shaft	2X14	2X14	2X14
12	Hanger Bearing Assembly	F.M.C. 0162-484- C226 (9X2)	0162-489-C226 (12)	0162-489-C226 (12)
13	Hanger Bearing	CNB2204MHI-O Martin 2"	CHB2206MHI-0 (3")	CHB2206MHI-0 (3)
14	Flange Block Bearing	F4BSCM200 (126197)	F4BSCM300 (126917)	F4BSCM300 (126197)
15	Discharge End Shaft	3"X12"	3" X 12"	3" X 12"



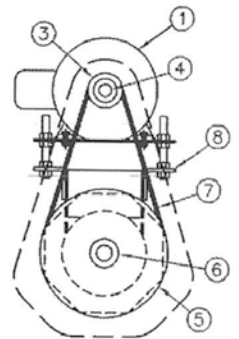
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SIDE VIEW



SIDE VIEW



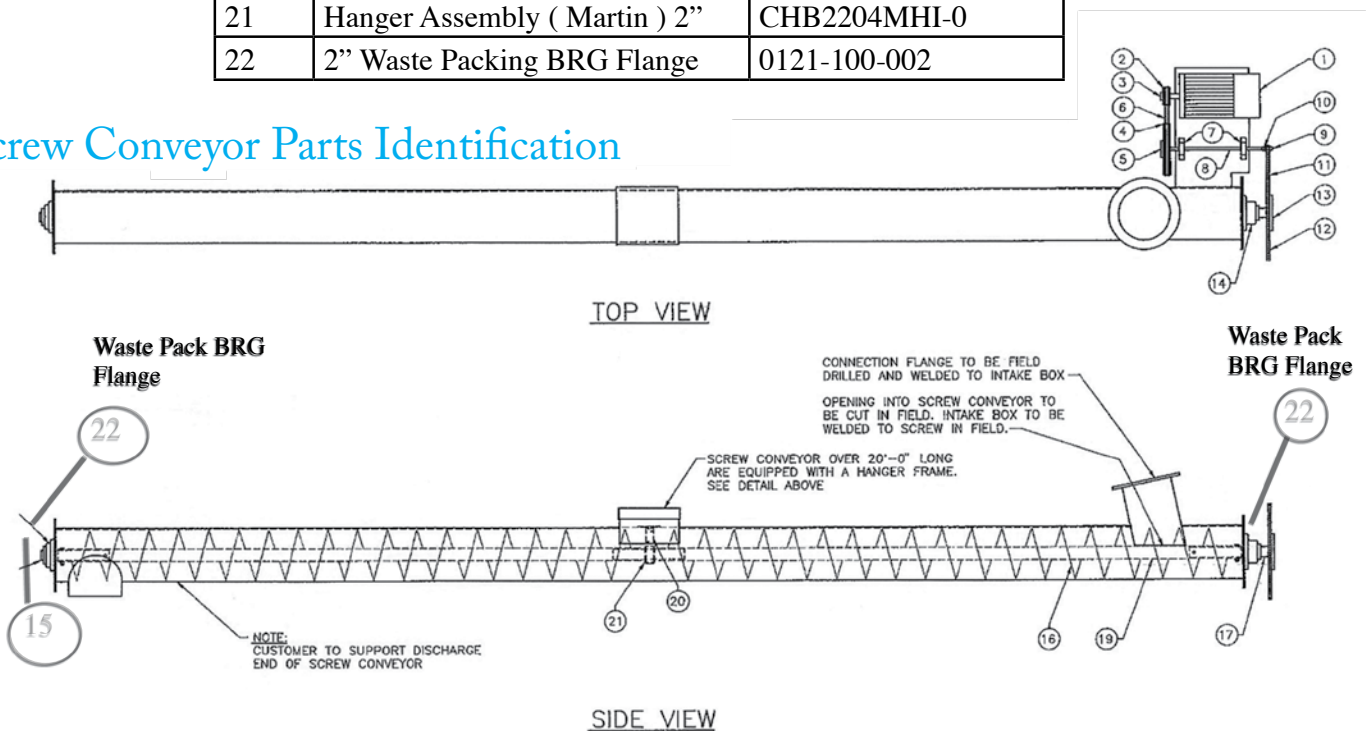
Jackshaft Drive Screw

9"X15- 20' Most Standard Component.

Consult Factory for other Lengths.

Mark	Description	Part #
1	Motor 10 HP 1800RPM	P21S3027
2	Motor Sheave	2TB-36
3	Motor Bushing	P1138
4	Sheave	2TB-124
5	Bushing	Q11
6	Drive Belts	B50
7	Pillow Block Bearing 1"	(123806)
8	Drive Shaft	MH1X18
9	Sprocket	H60P14
10	Bushing	P11
11	Riveted Chain	J60
12	Sprocket	60Q60
13	Bushing	Q12
14	Bearing 2" Link Belt	F3U232N
15	Bearing 2" Link Belt	F3U232N
16	Screw Flighting	2/3 Pitch
17	Shaft	2X 13
18	Shaft	2X 10
19	2" I.D Pipe	2"
20	Hanger Bearing Assembly 2"	0162-484-C
21	Hanger Assembly (Martin) 2"	CHB2204MHI-0
22	2" Waste Packing BRG Flange	0121-100-002

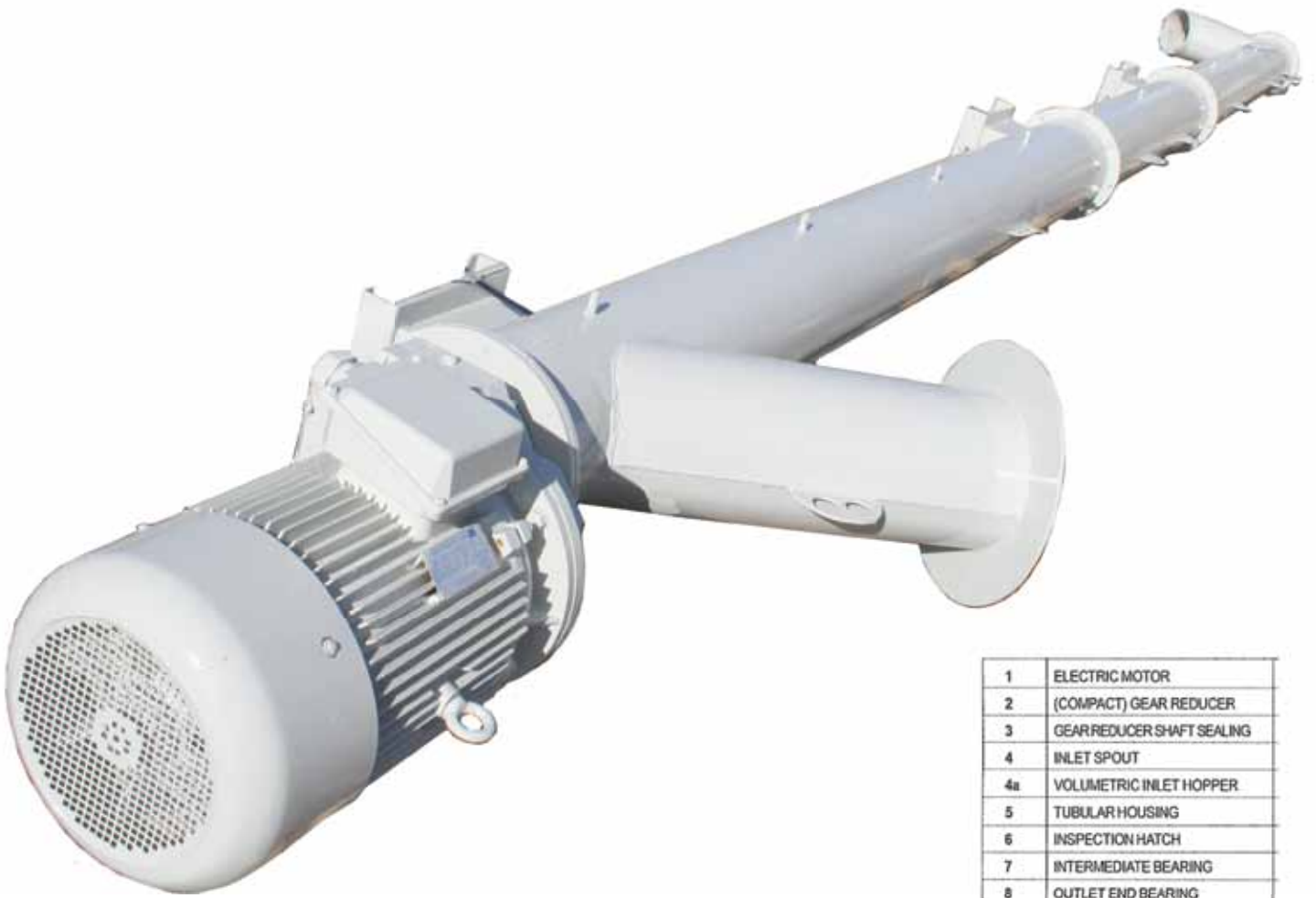
Screw Conveyor Parts Identification



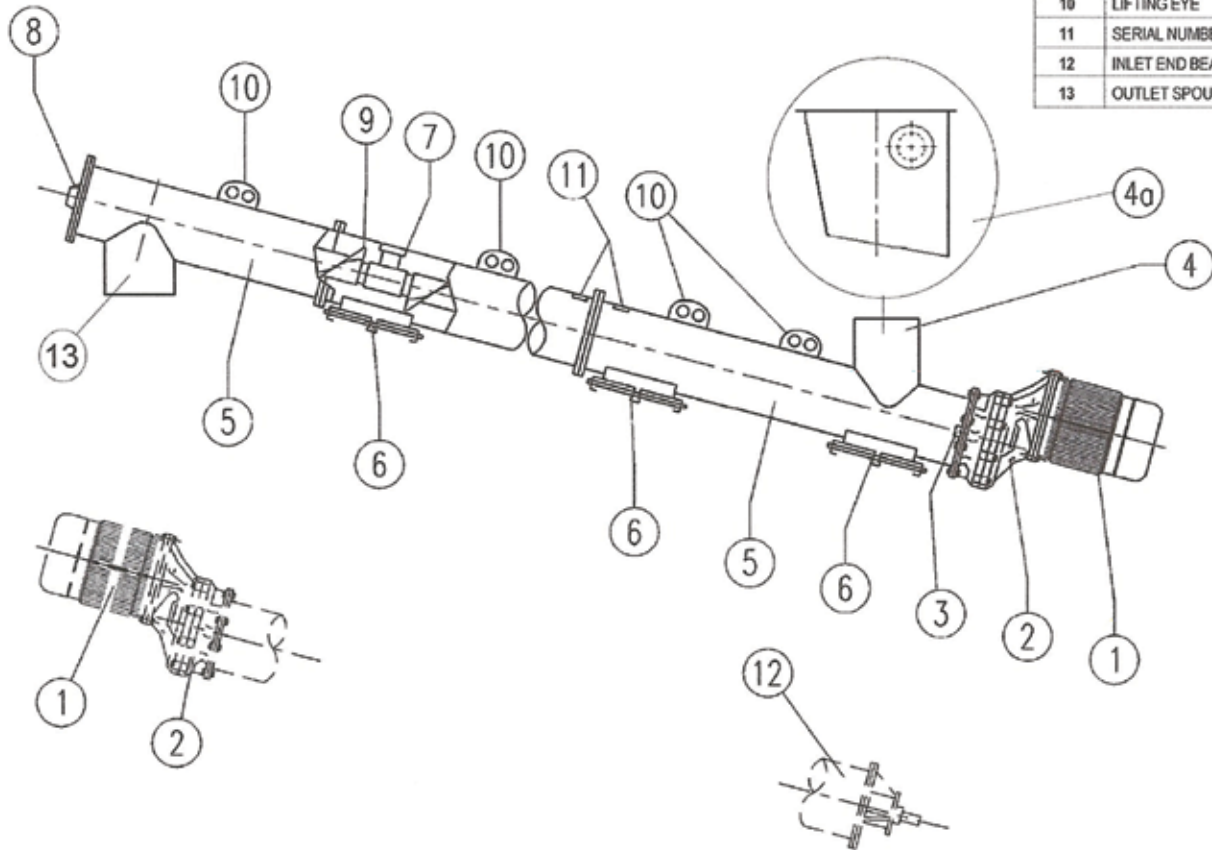
6" AND 9" DIAMETER SCREW CONVEYOR PARTS LIST

NO SCALE

Screw Conveyor Spline Drive



1	ELECTRIC MOTOR
2	(COMPACT) GEAR REDUCER
3	GEAR REDUCER SHAFT SEALING
4	INLET SPOUT
4a	VOLUMETRIC INLET HOPPER
5	TUBULAR HOUSING
6	INSPECTION HATCH
7	INTERMEDIATE BEARING
8	OUTLET END BEARING
9	SPIRAL
10	LIFTING EYE
11	SERIAL NUMBER
12	INLET END BEARING
13	OUTLET SPOUT



SICOMA PARTS



MOBMARA

RIGHT ARM WITHOUT COUPLING



MOBM2

CENTRAL MIXER ARM WITHOUT COUPLING



MOBM3RA

RIGHT ARM WITHOUT COUPLING



MOCS1

COUPLINGS



MOB8

BUSHING



PA122

SEAL



MOPC4

CENTRAL MIXING BLADES C/W HARDWARE

MOPD4

RIGHT BLADES WITH SCREWS AND BOLTS

MOPS4

LEFT BLADES WITH SCREWS AND BOLTS

MOPR4

RECTANGULAR BLADES WITH SCREWS AND BOLTS



ROOSSM4BGH

WALL LINING TILES – COMPLETE SET WITH HARDWARE



MORP6

SET OF ANTI-WEAR TANK BOTTOM LINING TILES (208 TILES)



M2503

HYDRO POWER PACK MOTOR

CEO42A

DOUBLE EFFECT HYDR POWER PACK

CRO52
BEARING 23122



PA051 SEAL



PA084 SEAL



MOGT6
D/DOOR SEAL KIT WITH
HARDWARE



MOCG3
UNIVERSAL JOINT



0226G0095B2
BELT XPB2500



EOPA6
ELECTRIC VALVE



ZCM21L2
LIMIT SWITCH WIRE
COMPLETE WITH
CABLE



ZCM021
LIMIT SWITCH BODY



ZCEF2
LIMIT SWITCH
PUSHING ROLLER
HEAD



SEALS

0228G0001B2
0529G0001B2
0529G0001B1
PA102



C1010
HYDRAULIC CYLINDER



INVENTURE PARTS



WP-10-900-00200 HUB ASSEMBLY - COMPLETE
WITH POWER LOCKING DEVICE; WITHOUT SHAFT



22X10X16 - POLYEUOTHANE TIRES

SHAFT ONLY – WP6.47/6X76.5



PL150X200 POWER LOCK DEVICE



SPLIT BEARING = 041874
ONE PIECE BEARING & SEALS = WP-10-900-00220



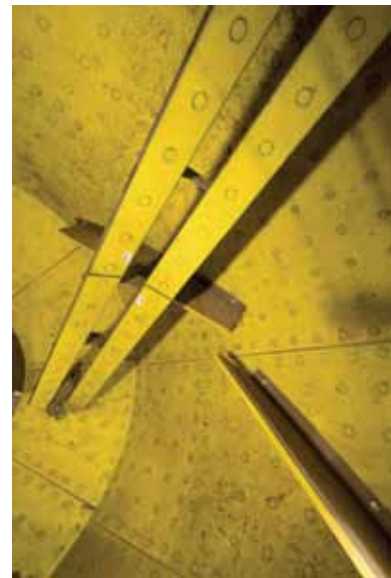
WP-10-L00010214
CHARGING SEAL



WP-10-L00010311
DISCHARGE SEAL



ML-IV-09FC3-Y8S
CHARGING CHUTE LINER



ML-IV-09MXC-T8S
MIXER DRUM LINER



AIR CYLINDERS

CAMERA – ST3P2-1.5X4
 NEW STYLE DOOR – ST3P232510SP530
 OLD STYLE CHUTE - CONTACT FACTORY EMERGENCY DRIVES: 5V670
 5V490



DRIVE BELTS:

50 HP DRIVES: 3/5VX560
 3/5VX630



HITCH PIN - 7/8 X 7" GRIP

233-320



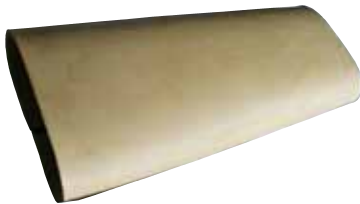
TURNBUCKEL 3125S-JJ-10



CAST BRONZE BUSHING
 FF1202 (LONGER)
 EF121610 (SHORTER)



WEAR CONE RINGS
 WP-10-L00010416



GUM RUBBER BOOT FOR CHARGING CHUTE

1034X18X38



GUIDE WHEEL ASSEMBLY

WP-10-L000101A2

- 1-SET OF (3) SHOVELS W/ AR LINER - WP-10-L000102A3
- SET OF DISCHARGE SIDE LINER ONLY - WP-10-L00010219
- SET OF CHARGE SIDE LINER ONLY - WP-10-L00011718
- 1-SET OF (3) RAKE PADDLES ONLY - WP-10-L000102A6
- 1-SET OF (3) RAKE PADDLE LINERS - ML-IV-00MM1-483
- TALL PADDLE ONLY EACH - WP-10-L000102A4
- SHORT PADDLE ONLY EACH - WP-10-L000102A5
- SHORT & TALL PADDLE LINERS (EACH) - ML-IV-09MBC-483

Trouble Shooting Guide & Operating, Tips for New Stephens Plant.

It is recommended that any plant operator obtain a Concrete Plant Operators Manual written by the Concrete Plant Mfg. Bureau & the NRMCA committee on the Research Engineering & Standards. These can be purchased for the National Ready Mix Concrete Association, 900 Spring Street, Silver Spring, MD 20910. You can also research the association at (301) 587-1400 extension 121. Of course for any problems, you may contact your dealer of our factory at 1-800-626-0200 or 270-487-6774

CAUTION: ALWAYS LOCK OUT POWER BEFORE SERVICING EQUIPMENT

A. Bindicators (Trouble Shooting)

SYMPTOM: Indicating light does not come on.

CAUSE: Bad or burned out light, switches are not properly adjusted inside the bindicator, and motor burned out inside the bindicator. Before making repairs, it is recommended to call a qualified electrician.

REPAIRS: Need to be done with power locked in off position. Check bulb if faulty replace with new bulb.

B. Cement Aeration (Operating Tips)

1.) Before starting, adjust aeration pressure on filter regulator located on silo leg. To adjust regulator loosen lock nut and turn T handle. Turn counterclockwise to decrease pressure. Adjust pressure to 10-15 pounds of pressure then push down on knob to lock.

2.) Check regulator periodically to assure that the moisture traps are draining properly. Water traps drain automatically .

3.) Stephens aeration systems are designed to operate both manually and automatically. Proper operation should be as follows. Turn aeration selector switch to left, which is manual position to 10-15 minutes before batching each day. Then turn to right position for remainder of day. In this position, aeration will automatically aerate when material is called for "Center position is off "

4.) Trouble Shooting Guide for Stephens Aeration System

SYMPTOM: Pressure on gauge but material not flowing properly.

CAUSES: Aeration screens are stopped up, or blown completely out of fittings.

REPAIR: (1) Check water trap unit to make sure it is draining properly. Remove pads and replace, blow out airline and reinstall.

(2) Remove all pads and inspect. Clean out hoses and replace fittings. If moisture is getting into silo, check for leaks when blowing in new cement.

C. FILTER VENT BAGS (Operating Tip)

1.) Filter vent bags should last from 2 to 6 years, depending on usage. If excessive bag water is noted, check how bag shaker is being operated. Bags are to be shaken only after cement truck is unloaded. This should be done 5 to 6 minutes if possible.

2.) Trouble Shooting guide for Stephens filter vent systems

SYMPTOM: Excessive dust coming from filter vent.

CAUSE: Hole in filter vent bag or worn bags, hole or crack in bottom of filter vent.

REPAIR: Replace damaged bags with new ones, Find hole and repair.

SYMPTOM: Pop-Off valve opens when truck unloads.

CAUSE: Bags are too dirty or moisture is getting into vent causing cement to cake on bags.

REPAIR: Shake bags 5 minutes after each load of material is blown into silo. Find hole where moisture is getting into the tank and repair.

D. Gate & Butterfly Valves: (Operating Tips)

On the ready mix plant, gates do the majority of the work & consequently have the most wear. Wearing parts need adjustment plus lubrication; replacement of some parts may be required. Air pressure on gates should range from 75 to 100 psi this can be regulated up or down to compensate for too fast or slow gate opening. Low air pressure at gate can result in a sluggish gate or one that will not open. Several different things could cause this: control valve plugged or damaged airline lubricator, regulator, airline, and air cylinder or air compressor problems.

E. Air Compressor

Most air compressors operate in pressure ranges greater than required by the plant. 150 lbs of air pressure at the pressure tank should be plenty to operate devices on the plant. Air compressor maintenance is essential; drain water from the tank as well as from F.R. units and F.R.L. units.

F. Gear Reducers

CAUTION: This unit contains 85WI40 Arco oil. Before operation, the operator will need to check for leakage & see that proper oil level is attained. Any oil that is the same grade, as the 85WI40 Arco will most likely work but check enclosed manual for further details.

G. Screw Conveyors

The most common problem encountered is the development of a clog inside the conveyor. When this happens, follow the following procedures: Lock out power and turn screw in reverse by hand as far as possible till clog loosens or screw stops turning. If screw stops, start screw forward with motor until it stops then turn by hand in reverse as far as possible. Repeat procedure until clog is removed. Jogging of screw conveyor is not a good practice as this can be a quick way to burn out a motor. However, an occasional jog to correct an underweight lockout condition is considered not to be frequent enough to overheat the motor.

CAUTION: NEVER OPERATE SCREW IN REVERSE WITH MOTOR

H. Air Cylinder: (Operating Tip)

All air cylinders require lubrication. The cylinders have rebuilt kits available here at Stephens. We also have a large stock on different size cylinders. Make sure all fittings on cylinders are tightly sealed. Keep a periodical check on all cylinders.

I. Scales: (Operating Tips)

A qualified scale mechanic should check Scales regularly.

J. Lubrication: (Tips)

Solenoids should be lubricated via lubricator located on F.R.L. Lubricant should be automatic transmission fluid of a good grade. A percentage of wood alcohols can be used during cool weather to prevent freezing. Adjustment of lubricator can be made on the top of the lubricator. The correct amount of oil is determined with the vibrators running. There should be a drop of oil every 8-10 seconds looking through the sight glass on the top of the lubricator. Too much oil will cause solenoids to stick or become sluggish. Not enough will cause seals to dry out and then in turn will cause excessive wear on solenoids and air cylinders.

Trouble Shooting Tips:

SYMPTOM: Gate creeps open

CAUSE: Seal bad in air cylinder, spool bad in solenoid valve.

REPAIR: Loosen hose fittings on open side of air cylinder. Replace or repair. Check for leaks in airline going to gates. Always check air cylinder first, if no air comes out of open port on cylinder, then replace or rebuild solenoid valve.

SYMPTOM: Gate will not open or close

CAUSE: Bad air cylinder or solenoid

REPAIRS: See if indicating lights on the solenoid valve comes on when button is pressed. If so, use the manual override on solenoid. If the gates open or close, replace or repair solenoid. If lights do not come on when push button is pressed, call a qualified electrician to trouble shoot the problem with voltmeter.

As in all types operation, good housekeeping is essential for both maintenance and safety. No plant is designed to run without proper maintenance.

Parts Department

Stephens Mfg.

General Plant Maintenance Report

Plant _____ Date _____ Week Ending _____

MAINTENANCE ITEM	SUN	MON	TUE	WED	THU	FRI	SAT	REMARKS OR REPAIRS MADE
DAILY								
1. Inspect oil and filter on air compressor and drain tank, manifolds, and water traps								
2. Inspect and fill all oilers on plant								
3. Inspect all air cylinders								
4. Inspect tension on all V-drive belts								
5. Inspect conveyor belts for alignments and excessive wear								
6. Perform housekeeping items, such as cleaning up dust and debris								
WEEKLY								
1. Lubricate all bearings (ONE PUMP ONLY) included are head and tail pulleys on all conveyors snubbed roller on loading conveyor, head and tail bearing on cement feeder screw, wheel bearing support on turn head etc.								
2. Replace or blow clean air filters on air compressor and aeration blowers								
3. Inspect and tighten all bolts, bearings, and set screws								
4. Inspect and/or adjust all belt wipers								
5. Lubricate packing at the bottom and top ends of the cement feeder screws with oil								
6. Inspect all bags in cement bag filters								
MONTHLY								
1. Inspect oil level in all gear reducers								
2. Adjust skirt board as needed								
3. Adjust and tighten conveyor belts as needed								
4. Change oil in air compressor								
SEMIANNUALLY								
1. Change oil in all conveyor gear reducers								
2. Remove bags in cement bag filters and blow clean								
3. Tighten or replace all V-belts as needed								
4. Inspect scale and water meter accuracy								
5. Inspect hanger bearings in feeder screws and replace as needed								
6. Inspect and acidify boiler								
7. Inspect and/or replace bin aeration pads								

STEPHENS MFG.

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www.stephensmfg.com



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