

"QUALITY PUMPS SINCE 1939"

Product information presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.



SECTION: Z5.00.150

ZM1347

0809

Supersedes

0309

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# DISCONNECT & RAIL SYSTEMS

## Threaded Discharge Pumps

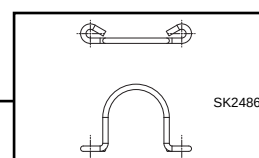
1 1/4" thru 3" NPT

### FEATURES

- Sewage, storm water and effluent pump systems.
- For concrete, steel, or fiberglass tanks.
- Allows for removal of pumps from ground level.
- Cast iron base elbow and positive machine fit with O-ring seal provides a reliable seal.
- Guide rails direct the pump to and from the base elbow. Systems are supplied complete with base elbow, sealing plate, pump discharge elbow, and upper rail bracket.
- All systems use 3/4" schedule 40 pipe rails (not included).
- Refer to ZM1710 for installation instructions.

Vertical E-Z Out

Patent # 5,507,628



#10-0789 lifting bails are required on 6160, 6180, 6280, 6290, 6810/6815 and 6820 models to balance pump and rail plate evenly. Other models already include proper lifting device.

### SPECIFICATIONS

| Rail System | Pump Discharge | Rail System Discharge | Materials of Construction*                            | Weight |
|-------------|----------------|-----------------------|-------------------------------------------------------|--------|
| 39-0087     | 1 1/4" V       | 2" V                  | Cast Iron / Steel / Galvanized Steel                  | 43     |
| 39-0088     | 1 1/4" V       | 2" V                  | Cast Iron / Steel / Stainless Steel                   | 43     |
| 39-0101     | 1 1/4" V       | 2" V                  | Cast Iron / Brass / SS / Brass for Non-sparking       | 43     |
| 39-0115***  | 1 1/4" H       | 1 1/4" V              | Cast Iron / Steel / Galvanized Steel (6810/6815 Only) | 43     |
| 39-0116***  | 1 1/4" H       | 1 1/4" V              | Cast Iron / Steel / Stainless Steel (6810/6815 Only)  | 43     |
| 39-0085     | 1 1/2" V       | 2" V                  | Cast Iron / Steel / Galvanized Steel                  | 43     |
| 39-0086     | 1 1/2" V       | 2" V                  | Cast Iron / Steel / Stainless Steel                   | 43     |
| 39-0092     | 1 1/2" V       | 2" V                  | Cast Iron / Brass / SS / Brass for Non-sparking       | 45     |
| 39-0083     | 2" V           | 2" V                  | Cast Iron / Steel / Galvanized Steel                  | 45     |
| 39-0084     | 2" V           | 2" V                  | Cast Iron / Steel / Stainless Steel                   | 45     |
| 39-0093     | 2" V           | 2" V                  | Cast Iron / Brass / SS / Brass for Non-sparking       | 47     |
| 39-0110     | 2" V           | 3" V                  | Cast Iron / Steel / Galvanized Steel                  | 50     |
| 39-0111     | 2" V           | 3" V                  | Cast Iron / Steel / Stainless Steel                   | 50     |
| 39-0114     | 2" V           | 3" V                  | Cast Iron / Brass / SS / Brass for Non-sparking       | 50     |
| 39-0074     | 3" V           | 3" V                  | Cast Iron / Steel / Galvanized Steel                  | 55     |
| 39-0075     | 3" V           | 3" V                  | Cast Iron / Steel / Stainless Steel                   | 55     |
| 39-0076     | 3" V           | 3" V                  | Cast Iron / Brass / SS / Brass for Non-sparking       | 57     |

### ACCESSORIES

Intermediate rail brackets are required for each 12' of basin depth.

|           |                                                                              |   |
|-----------|------------------------------------------------------------------------------|---|
| 39-0089   | Intermediate Rail Bracket 1 1/4", 1 1/2" and 2" Discharge - Galvanized Steel | 6 |
| 39-0090   | Intermediate Rail Bracket 1 1/4", 1 1/2" and 2" discharge - Stainless Steel  | 6 |
| 39-0079   | Intermediate Rail Bracket 3" Discharge - Galvanized Steel                    | 6 |
| 39-0080   | Intermediate Rail Bracket 3" Discharge - Stainless Steel                     | 6 |
| 39-0112   | Intermediate Rail Bracket 2" x 3" Discharge - Galvanized Steel               | 6 |
| 39-0113   | Intermediate Rail Bracket 2" x 3" Discharge - Stainless Steel                | 6 |
| 019155    | 2" x 3" Reducer Adapter for 39-0110, 39-0111 & 39-0114 Rail System           | 5 |
| 10-0789** | SS lifting bail for 6160, 6180, 6280, 6290, 6810/6815 & 6820 Series          | 1 |

\*Coupling Base / Sealing Plate / Upper Support / Guide Plate.

\*\*Lifting bails are required on the following models to balance pump and rail plate evenly. Other models already include proper lifting device.

\*\*\*Tested for use to 220 feet total dynamic head. Applications exceeding this should use Zoeller square rail, flexible discharge hose or rigid piping.

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# SQUARE GUIDE RAIL SYSTEMS (1¼", 1½" & 2" Discharge)

## FIELD ASSEMBLED

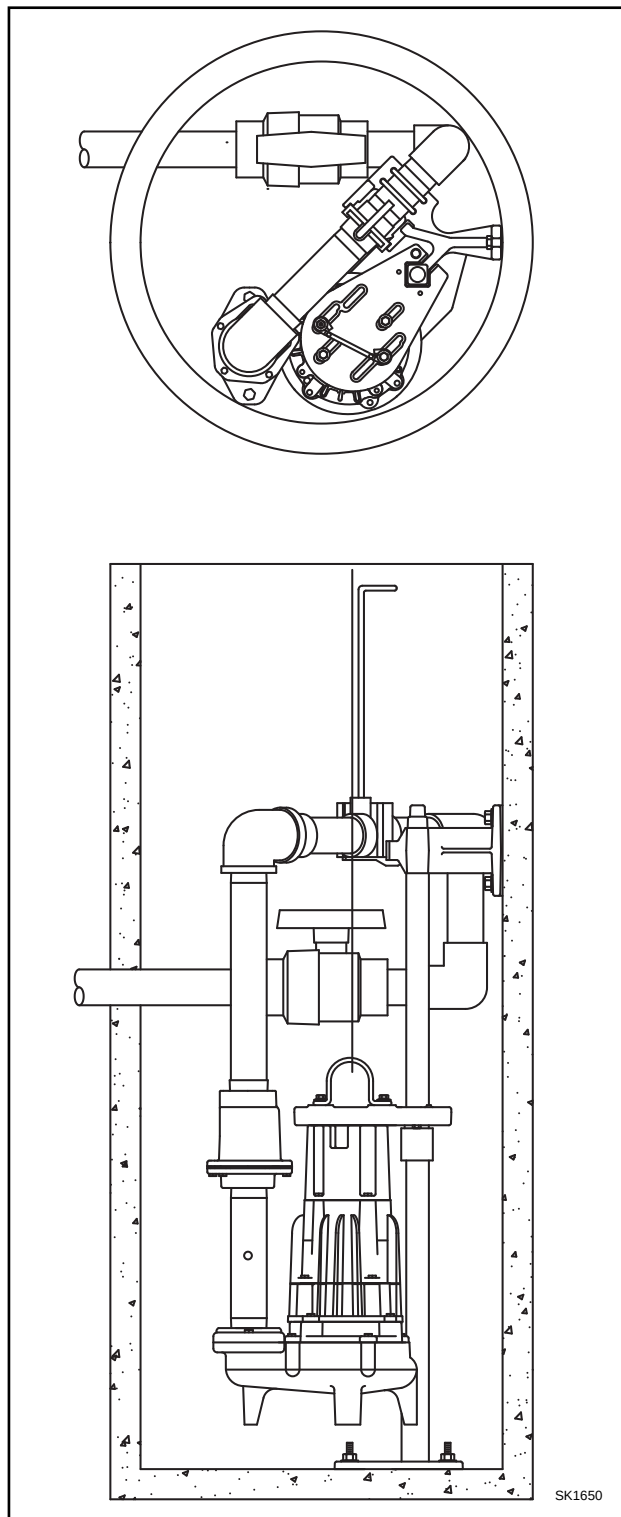
- Economical, reduces time & cost of removing pump.
- Safety, keeps personnel out of pits & out of contact with contaminants.
- Inspections made fast & easy.

### FEATURES

- Single rigid stainless steel square rail design.
- Stainless steel rail, nuts, bolts, fasteners and lifting bail.
- Cast iron angle arm bracket and pump guide bracket.
- Galvanized piping. Stainless steel - optional.
- Red brass disconnect fittings with Teflon coated Buna O-ring seal.
- PVC Ball Valve.
- Cast iron Check Valve.
- Optional stainless pull rods and lifting cable available.
- Also available in prepackaged fiberglass basins.

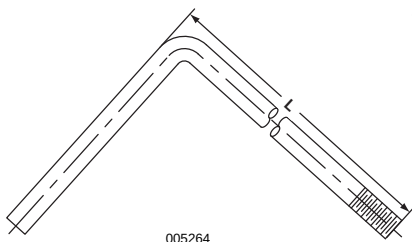
\* For tanks deeper than 72" a second angle arm bracket P/N 39-0070 is required. Sch. 40 galvanized or stainless steel pipe is used for extending the rail length.

| Rail System | *Tank Depth | Discharge Pipe size | Pump Series                                       |
|-------------|-------------|---------------------|---------------------------------------------------|
| 39-0054     | 48"         | 1 ¼"                | 6840 Grinders                                     |
| 39-0055     | 60"         | 1 ¼"                | 6840 Grinders                                     |
| 39-0056     | 72"         | 1 ¼"                | 6840 Grinders                                     |
| 39-0057     | 48"         | 1 ¼"                | 6820 Grinders                                     |
| 39-0058     | 60"         | 1 ¼"                | 6820 Grinders                                     |
| 39-0059     | 72"         | 1 ¼"                | 6820 Grinders                                     |
| 39-0060     | 48"         | 1 ½"                | 6160 - 6180 Series Effluent Pumps                 |
| 39-0061     | 60"         | 1 ½"                | 6160 - 6180 Series Effluent Pumps                 |
| 39-0062     | 72"         | 1 ½"                | 6160 - 6180 Series Effluent Pumps                 |
| 39-0063     | 48"         | 2"                  | 6160 - 6180 - 6290 Series Effluent & Sewage Pumps |
| 39-0064     | 60"         | 2"                  | 6160 - 6180 - 6290 Series Effluent & Sewage Pumps |
| 39-0065     | 72"         | 2"                  | 6160 - 6180 - 6290 Series Effluent & Sewage Pumps |
| 39-0066     | 48"         | 2"                  | 6280 Series Sewage Pumps                          |
| 39-0067     | 60"         | 2"                  | 6280 Series Sewage Pumps                          |
| 39-0068     | 72"         | 2"                  | 6280 Series Sewage Pumps                          |



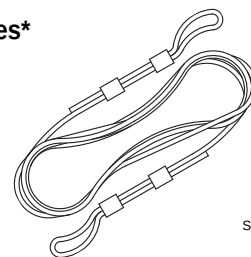
### Stainless Steel Pull Rods

| 3/8"-16 UNC |        |
|-------------|--------|
| Part Number | Length |
| 39-0069     | 1'     |
| 39-0006     | 2½'    |
| 39-0007     | 3½'    |
| 39-0008     | 4½'    |
| 39-0009     | 5½'    |



### 1/8" Stainless Steel Lifting Cables\*

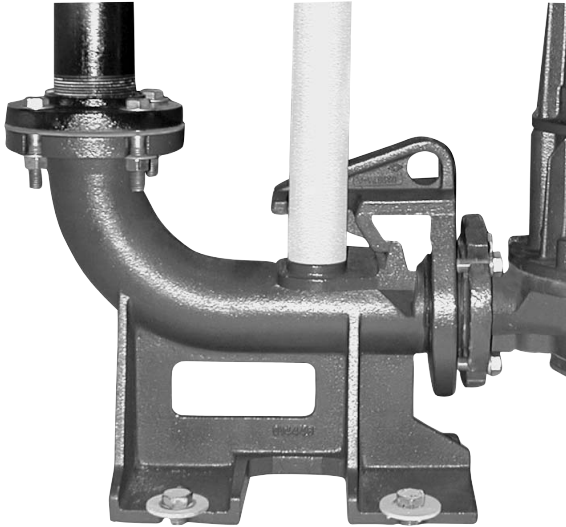
| Part Number | Length |
|-------------|--------|
| 39-0031     | 8'     |
| 39-0032     | 12'    |
| 39-0033     | 16'    |
| 39-0034     | 20'    |
| 39-0035     | 24'    |



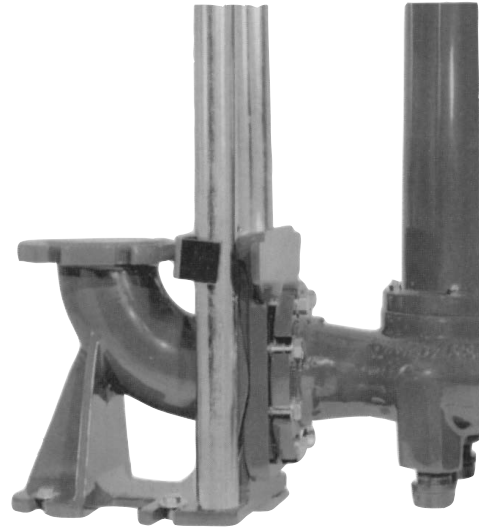
\*Cable recommended for commercial duty pumps and 2HP Grinder Pumps.

# RAIL SYSTEMS (2½" TO 6" Discharge) FIELD ASSEMBLED

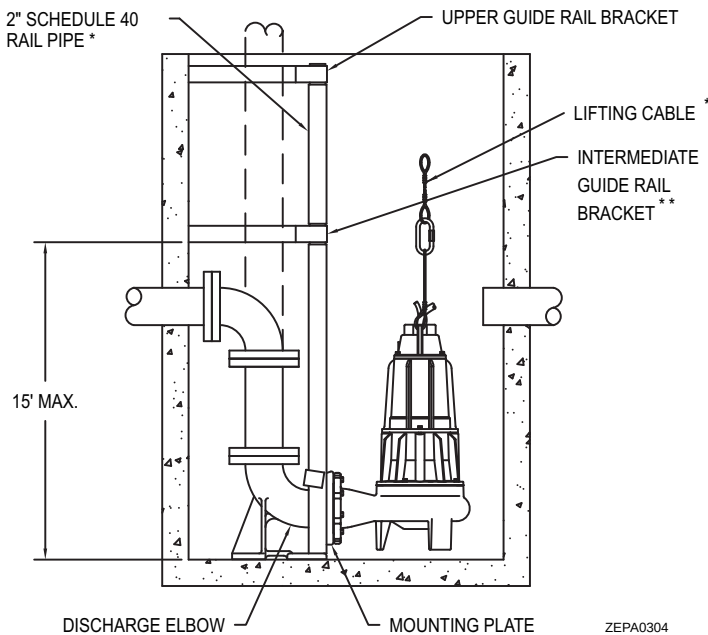
Guide Rail System for removal and installation of flanged horizontal discharge pumps without getting in or removing fluid from pit.



2½" & 3" Horizontal Flanged



4" & 6" Systems



ZEPA0304

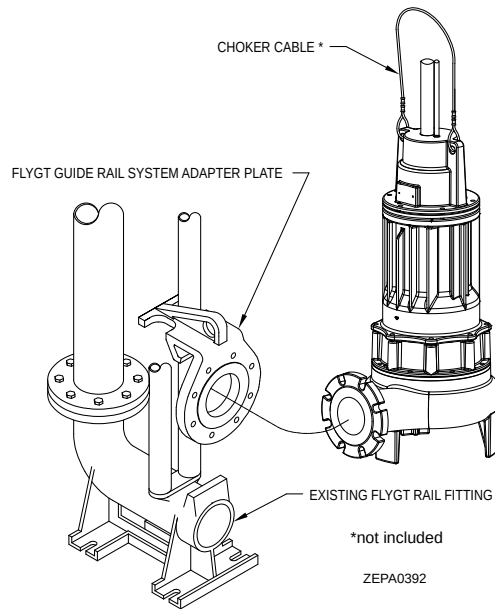
\* 1/4" Lifting Cable Not Included. See ZM1328 for Correct Cable.

\*\* One Intermediate Guide Rail Bracket is required for every □20 ft. for 3" System or □15 ft. for 4" System, of basin depth. See chart for part number.

| SPECIFICATIONS |                                                                                                         |                             |                |
|----------------|---------------------------------------------------------------------------------------------------------|-----------------------------|----------------|
| Part Number    | Description                                                                                             | Pump Discharge              | Guide Rails*   |
| 39-0094        | 2½" / 3" Guide Rail System S.S.                                                                         | 2½" or 3" Horizontal Flange | 2" SS or Galv. |
| 6039-0016      | 4" Guide Rail System S.S. Flange                                                                        | 4" Horizontal               | 2" SS or Galv. |
| 6039-0072      | 6" Guide Rail System S.S. Flange                                                                        | 6" Horizontal               | 2" SS or Galv. |
| 39-0095        | 2½" / 3" Guide Rail System S.S. Non-Sparking for Class 1 Group C and/or Group D Division 1 Installation | 2½" or 3" Horizontal Flange | 2" SS or Galv. |
| 6039-0017      | 4" Guide Rail System, Non-Sparking for Class 1 Group C and/or Group D Division 1 Installation           | 4" Horizontal Flange        | 2" SS or Galv. |
| 6039-0073      | 6" Guide Rail System, Non-Sparking for Class 1 Group C and/or Group D Division 1 Installation           | 6" Horizontal Flange        | 2" SS or Galv. |
| 39-0096        | Intermediate bracket for 2½" / 3" Rail Systems                                                          |                             |                |
| 6039-0014      | Intermediate bracket for 4" Rail Systems                                                                |                             |                |
| 6039-0021      | Intermediate bracket for 6" Rail Systems                                                                |                             |                |

### 3", 4" & 6" FLYGT GUIDE RAIL SYSTEM ADAPTERS

Adapter plates for retrofitting 3", 4" & 6" horizontal discharge pumps to existing Flygt rail systems.



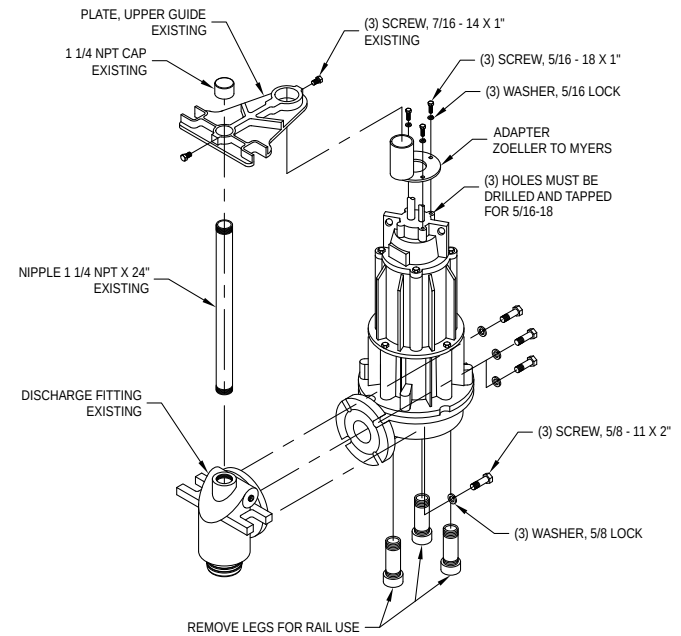
#### DESIGN FEATURES

- Cast iron construction.
- Flange conforms to ANSI B16.10 fully flat/MSS SP-6.
- For use with all 6400, 61 HD, 62 HD & 6700 series pumps with 3", 4" or 6" discharges and 2" NPT rail pipe.
- Flange gasket and stainless steel bolts included.

| Pump Discharge | Part Number |
|----------------|-------------|
| 3"             | 6039-0070   |
| 4"             | 6039-0048   |
| 6"             | 6039-0053   |

### MYERS GUIDE RAIL SYSTEM ADAPTER KIT FOR 71 SERIES GRINDER PUMPS

Part number 6039-0071 for Myers 3, 5, & 7.5 HP Rail Systems  
(Cap requires special drilling.)

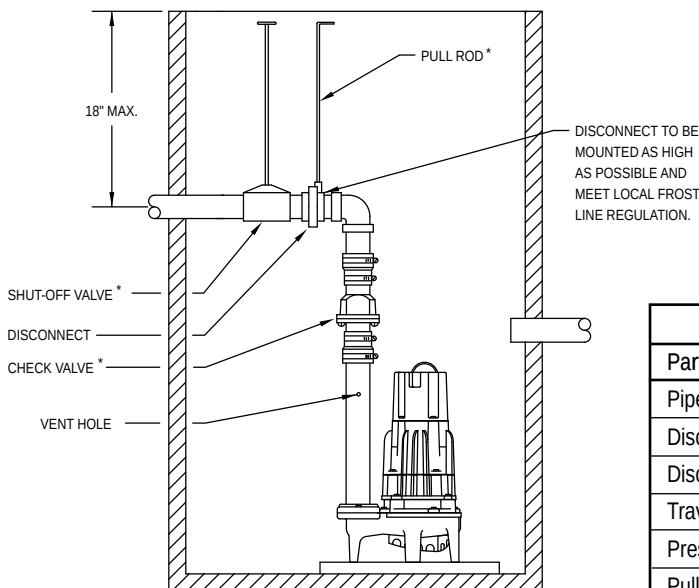


### DISCONNECT ONLY (1 1/4", 1 1/2" & 2" Discharge)

Disconnect Fitting; used for shallow systems where guide rails are not necessary. (pull rod not included)



39-0053, 1 1/4" NPT  
39-0001, 1 1/2" NPT  
39-0002, 2" NPT



#### SPECIFICATIONS

| Part Number           | 39-0053       | 39-0001       | 39-0002       |
|-----------------------|---------------|---------------|---------------|
| Pipe Size             | 1 1/4"        | 1 1/2" NPT    | 2" NPT        |
| Disconnect Material   | Brass         | Brass         | Brass         |
| Disconnect Weight     | 1.6 lb.       | 2.0 lbs.      | 2.5 lbs.      |
| Travel to Disengage   | 3 3/4"        | 3"            | 3 1/2"        |
| Pressure Rating       | 150 PSI       | 150 PSI       | 150 PSI       |
| Pull Rods Thread Size | 3/8" - 16 UNC | 3/8" - 16 UNC | 3/8" - 16 UNC |

\*not included

ZEPA0393

**NOTE:** All pumps should be supported underneath with concrete blocks or basin floor.