

“QUALITY PUMPS SINCE 1939”

SECTION: Z5.00.150

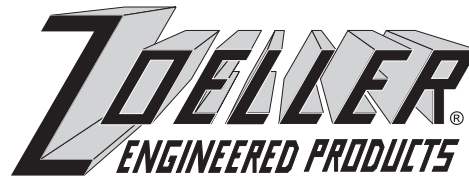
ZM1347

0809

Supersedes

0309

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



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DISCONNECT & RAIL SYSTEMS

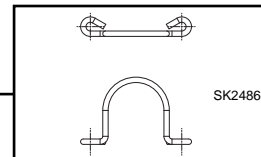
Threaded Discharge Pumps 1 1/4" thru 3" NPT

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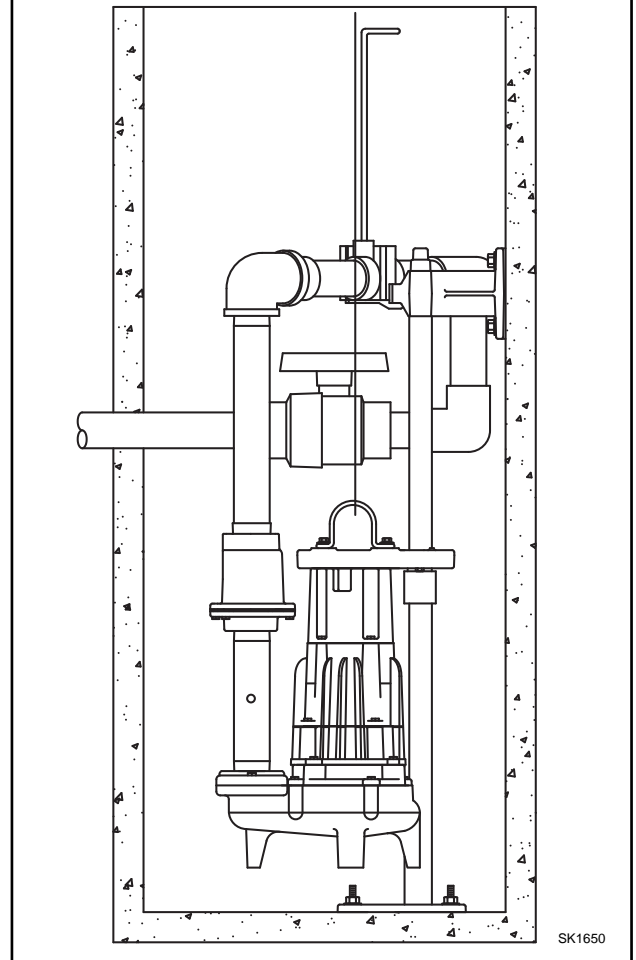
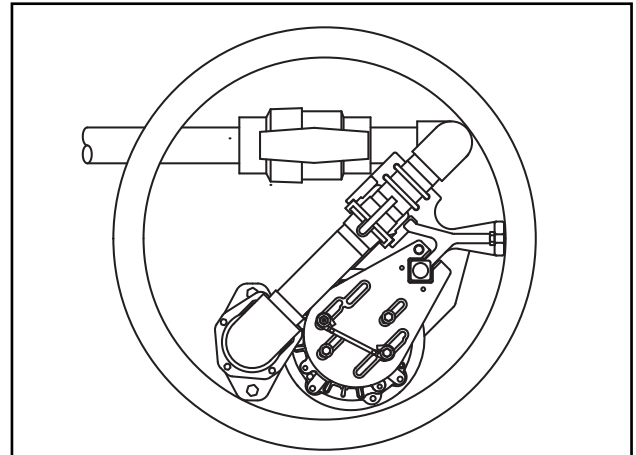
SQUARE GUIDE RAIL SYSTEMS (1¼", 1½" & 2" Discharge) FIELD ASSEMBLED

- Economical, reduces time & cost of removing pump.
- Safety, keeps personnel out of pits & out of contact with contaminates.
- 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.

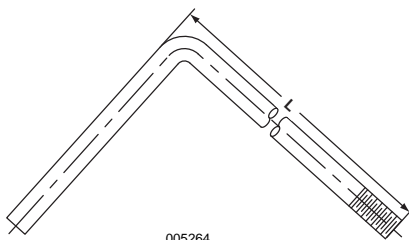
* For tanks deeper than 72" a second angle arm bracket P/N 39-0070 is required. Sch. 40 galvanized or stainless steel pipe is used for extending the rail length.



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

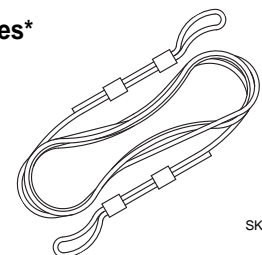
3/8"-16 UNC	
Part Number	Length
39-0069	1'
39-0006	2½'
39-0007	3½'
39-0008	4½'
39-0009	5½'



005264

1/8" Stainless Steel Lifting Cables*

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

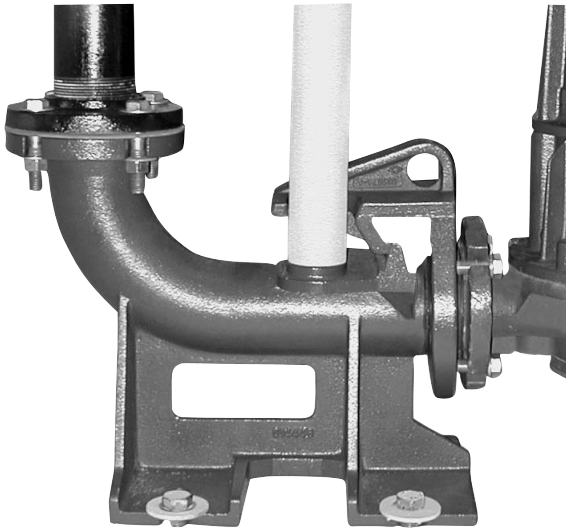


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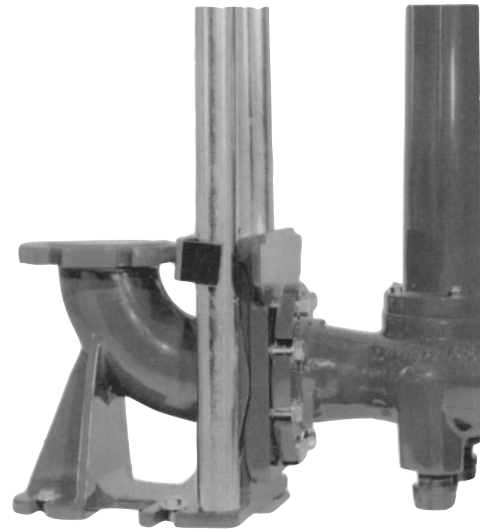
*Cable recommended for commercial duty pumps and 2HP Grinder Pumps.

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

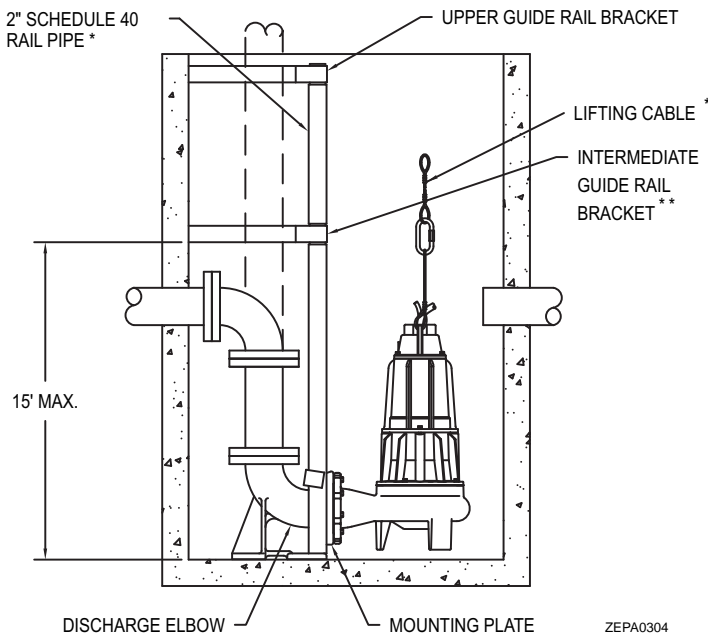
Guide Rail System for removal and installation of flanged horizontal discharge pumps without getting in or removing fluid from pit.



2½" & 3" Horizontal Flanged



4" & 6" Systems



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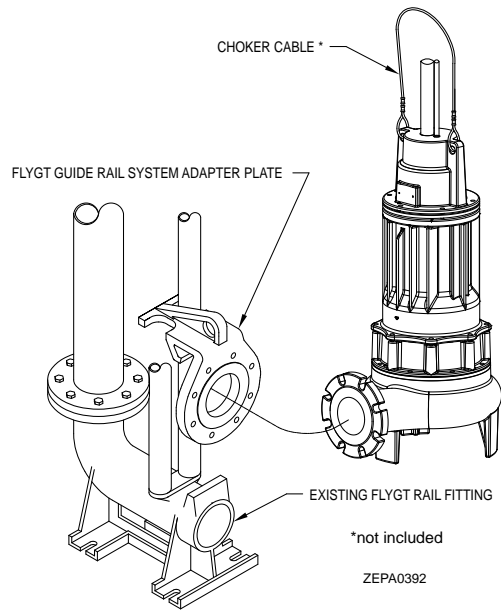
* 1/4" Lifting Cable Not Included. See ZM1328 for Correct Cable.

** 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.



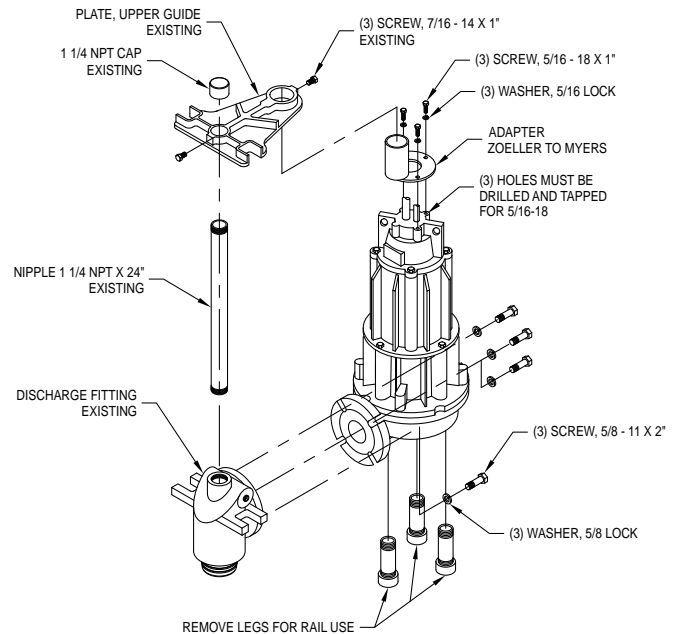
DESIGN FEATURES

- 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.)

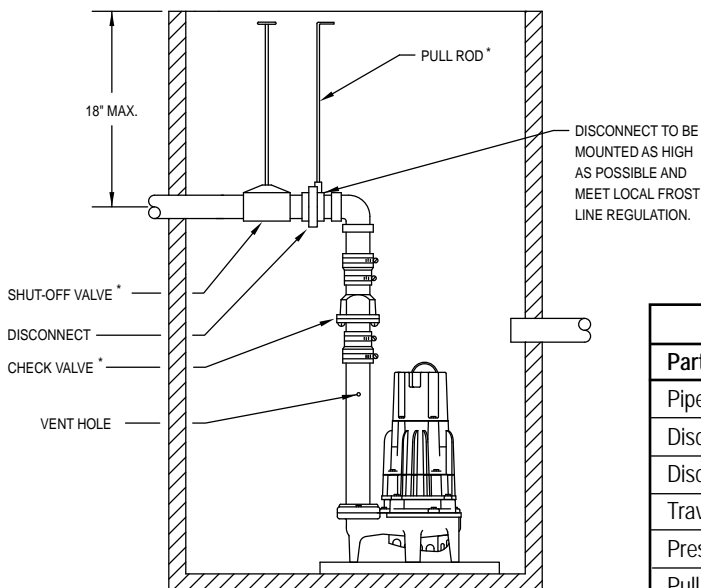


DISCONNECT ONLY (1 1/4", 1 1/2" & 2" Discharge)

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.