



# WELL COMPLETION & PROTECTION

MINERAL EXPLORATION  
ENVIRONMENTAL  
GEOTECHNICAL  
GEOTHERMAL  
ROTARY  
SONIC  
HDD



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## MONITORING WELL MANHOLES



Hole Products offers a wide range of monitoring well manholes (flushmounts). Manholes allow access to monitoring/observation wells and/or tank hardware and monitoring equipment in roadways, driveways, and parking lots.

### Manholes/Flushmounts

All manholes/flushmounts feature iron rings and covers, incorporate API compliant monitoring well markings, and carry the H-20 load rating. Plain covers for general purposes are available on request.

Manholes/flushmounts are available with the following standard options:

- Sizes from 2" – 18"
- Skirt heights from 6" – 18"
- Steel, galvanized, aluminium, cast aluminium, cast iron, HDPE, and heavy duty skirts
- Drop-in, bolt-down (1, 2, and 3 bolt), and cam locking lids
- Standard, water resistant, and water tight models
- Custom lids, sizes, and skirt heights are available

Please contact your Hole Products representative for additional product specifications and ordering assistance.

*Products listed in the catalog are representative of the most common industry sizes and styles. Please contact your Hole Products representative for additional product offerings.*

# MONITORING WELL MANHOLES

## DROP IN MANHOLES

Drop in manholes feature a cast iron ring and cover with monitoring well markings, steel skirt, and carry the H-20 load rating. Heavy duty 100% welded and polyethylene skirts are available.

DROP-IN MANHOLES				
PART #	SIZE	HEIGHT	STYLE	SKIRT
7801010	8"	7 1/2"	Drop In	Steel
7800080	8"	8"	Drop-in	Steel
7800085	8"	12"	Drop In	Steel
7801135	12"	8"	Drop In	Steel
7801015	12"	12"	Drop-in	Steel
7800048	12"	18"	Drop-in	Steel



## BOLT DOWN MANHOLES

Bolt down manholes feature a cast iron ring and cover with monitoring well markings; steel skirt, and 3/8" flush mount stainless steel bolts for limited access and meets H-20 load rating requirements.

Additional sizes, replacement bolts, gaskets, and lids are available.

BOLT DOWN MANHOLES				
PART #	SIZE	HEIGHT	STYLE	SKIRT
7801023	8"	7 1/2"	Bolt Down	Steel
7800020	8"	8"	Bolt Down	Steel
7801027	8"	12"	Bolt Down	Steel
7800017	8"	12"	Bolt Down	Steel
7801150	12"	8"	Bolt Down	Steel
7801020	12"	12"	Bolt Down	Steel





## MONITORING WELL MANHOLES

### BOLT DOWN WATER RESISTANT MANHOLES

Round manholes come with stainless steel bolted and a Buna-N gasket cover. Bolts are standard hex head, except for the 18" x 18", which uses a flat head screw. Manholes meet H-20 load rating requirements.

BOLT DOWN WATER RESISTANT MANHOLES				
PART #	SIZE	HEIGHT	STYLE	SKIRT
7800035	7"	10"	Bolt Down, Water Resistant	Galvanized
7801160	9"	7"	Bolt Down, Water Resistant	Galvanized
7800010	9"	12"	Bolt Down, Water Resistant	Welded
7800041	9"	12"	Bolt Down, Water Resistant	Galvanized
7800030	12"	12"	Bolt Down, Water Resistant	Galvanized
7800012	12"	12"	Bolt Down, Water Resistant	Welded
7800014	18"	12"	Bolt Down, Water Resistant	Galvanized
7800055	18"	18"	Bolt Down, Water Resistant	Galvanized



# MONITORING WELL MANHOLES

## BOLT DOWN WATERTIGHT MANHOLES

Bolt down watertight manholes are available in a variety of sizes and with a number of skirt styles. All watertight models carry the H-20 load rating and feature replaceable Buna-N rubber seals and stainless steel bolts.

Additional sizes, replacement bolts, gaskets, and lids are available.

BOLT DOWN, WATERTIGHT MANHOLE				
PART #	SIZE	HEIGHT	STYLE	SKIRT
7800007	2"	6"	Bolt Down, Watertight	Cast Iron
7801036	4"	6"	Bolt Down, Watertight	Aluminium
7800005	4"	10"	Bolt Down, Watertight	Cast Aluminium
7800034	5"	8 1/2"	Bolt Down, Watertight	Steel
7800032	6"	7 1/2"	Bolt Down, Watertight	Steel
7800036	6"	10"	Bolt Down, Watertight	Steel
7800008	6"	10"	Bolt Down, Watertight	Cast Aluminium
7801037	6"	12"	Bolt Down, Watertight	Aluminium
7800075	8"	8"	Bolt Down, Watertight	Galvanized
7800011	8"	10"	Bolt Down, Watertight	Cast Aluminium
7801027	8"	12"	Bolt Down, Watertight	Steel
7801026	8"	12"	Bolt Down, Watertight	Steel (Weld Lugs HD)
7800019	9"	7"	Bolt Down, Watertight	Cast Iron
7801175	12"	7"	Bolt Down, Watertight	Cast Iron
7801014	12"	8"	Bolt Down, Watertight	Steel
7801020	12"	12"	Bolt Down, Watertight	Galvanized
7801028	12"	12"	Bolt Down, Watertight	Steel (Weld Lugs HD)
7800052	18"	12"	Bolt Down, Watertight	Galvanized
7800056	18"	12"	Bolt Down, Watertight	Steel
7800053	18"	18"	Bolt Down, Watertight	Steel



## CAM LOCKING WATERTIGHT MANHOLES

Cam locking watertight manholes allow for easy, secure access, while eliminating the potential for stripped and cross threaded bolts. These manholes are solid cast iron for strength and feature built-in lock anchors and Buna-N rubber seals.

CAM LOCK, WATERTIGHT				
PART #	SIZE	HEIGHT	STYLE	SKIRT
7800018	4"	7 1/2"	Cam Lock, Watertight	Cast Iron
7800042	8"	7 1/2"	Cam Lock, Watertight	Cast Iron



## MONITORING WELL VAULTS



Hole Products offers a wide range of monitoring manhole vaults. Vaults allow access to monitoring/observation wells and/or tank hardware and monitoring equipment in roadways, driveways, and parking lots.

### Vaults

All vaults feature heavy duty diamond plate lids, 16 gauge steel skirts, and carry the H2O load rating.

Vaults are available with the following standard options:

- Sizes from 12" – 72"
- Heights from 9" – 48"
- Square, rectangular, and round models
- Lay-in, bolt down, and locking types
- Handles and lift assist options
- Custom models are available on request

Please contact your Hole Products representative for additional product specifications and ordering assistance.

## MONITORING WELL VAULTS

These vaults are available in lay-in, bolt down water resistant, and locking water resistant styles. Locking vaults feature 180° double hinged lids and lock access lids that are attached to the vault lid with an anti-theft chain.



MODEL A - MONITORING WELL VAULTS					
VENDOR PART #	SIZE	OVERALL HEIGHT	STYLE	LID WEIGHT	TOTAL WEIGHT
7801042	12" x 12"	12"	Locking, Water Resistant	18	38.1 lbs.
7801050	12" x 12"	18"	Locking, Water Resistant	18	42.5 lbs.
7801180	12" x 12"	24"	Locking, Water Resistant	18	38.1 lbs.
7801185	18" x 18"	18"	Bolt Down, Water Resistant	36	73.3 lbs.
7801190	18" x 18"	18"	Locking, Water Resistant	36	76.8 lbs.
77801195	18" x 18"	18"	Locking, Water Resistant, Lift Assist	36	77.3 lbs.
7801012	24" x 24"	24"	Bolt Down, Water Resistant, w/ Handle	65	119.8 lbs.
7801006	24" x 24"	24"	Locking, Water Resistant	65	121.5 lbs.
7801055	24" x 24"	24"	Locking, Water Resistant, Lift Assist	68	120.9 lbs.
7801200	30" x 30"	24"	Locking, Water Resistant	213	200.0 lbs.
7801060	30" x 30"	24"	Locking, Water Resistant, Lift Assist	213	200.0 lbs.
7801118	36" x 24"	24"	Locking, Water Resistant	165	265.0 lbs.
7801120	36" x 36"	24"	Locking, Water Resistant	165	285.0 lbs.
7800069	36" x 36"	36"	Locking, Water Resistant, Lift Assist	171	287.0 lbs.
7800038	48" x 24"	48"	Locking, Water Resistant, Lift Assist	171	273.0 lbs.
7800061	48" x 48"	24"	Locking, Water Resistant, Lift Assist	165	270.0 lbs.

Locking monitoring well vaults feature a recessed locking device with a bolted cover, which is designed to keep out dirt and debris. These vaults are offered in square and rectangle and are available in a watertight model, which includes a Buna-N gasket and bolt down cover.



MODEL B - MONITORING WELL VAULTS					
VENDOR PART #	SIZE	OVERALL HEIGHT	STYLE	LID WEIGHT	TOTAL WEIGHT
7801001	12" x 12"	24"	Locking	18	30 lbs.
7801008	16" x 16"	12"	Locking, Watertight	37	65 lbs.
7801038	16" x 16"	24"	Locking	37	70 lbs.
7800070	18" x 18"	18"	Hinged	50	125 lbs.
7800031	18" x 18"	18"	Locking	50	80 lbs.
7800046	18" x 18"	18"	Drop-in	45	60 lbs.
7801011	24" x 24"	24"	Locking	85	128 lbs.
7801018	24" x 36"	24"	Locking	110	165 lbs.
7800047	30" x 30"	24"	Locking, Watertight	108	195 lbs.
7801115	36" x 36"	18"	Locking	115	202 lbs.
7801121	36" x 36"	24"	Locking, Watertight, Lift Assist	108	195 lbs.
7801009	36" x 36"	48"	Locking, Hinged	115	310 lbs.



## LOCKING WELL PROTECTORS (PROTOPS)

Locking well protectors, typically called "above grade well cover", are installed over monitoring, remediation, or water wells to protect against damage and vandalism. Well protectors are available in a variety of sizes, lengths, styles, and from a variety of materials including aluminium, steel, and pvc.

Custom lengths and painted options are available on request.

Please call for additional details and ordering assistance.

## SQUARE WELL PROTECTORS

Square locking well protectors are available in a variety of materials including aluminium and zinc plated steel, and in sizes ranging from 4" - 12" and 5' lengths. Wide hinges secure the lid and align the tabs to make lock installation easy. Custom lengths are available.

SQUARE LOCKING WELL PROTECTORS - ALUMINIUM			
PART #	SIZE	LENGTH	WEIGHT
7950045	4" x 4"	5'	11 lbs.
7950036	6" x 6"	5'	23 lbs.
7950070	8" x 8"	5'	55 lbs.
7950000	12" X 12"	5'	85 lbs.

SQUARE LOCKING WELL PROTECTORS - ZINC PLATED			
PART #	SIZE	LENGTH	WEIGHT
7950025	4" x 4"	5'	30 lbs.
7950030	6" x 6"	5'	70 lbs.
7950044	8" x 8"	5'	93 lbs.
7950055	12" X 12"	5'	165 lbs.



## HI VIZ SQUARE WELL PROTECTORS

Constructed from .120 wall structural steel tubing, these well protectors are tough and durable. They feature a 180° opening for easy well access, water tight interior cap welds, and a rigid bypass locking hasp for padlock installation. The safety yellow powder coated finish provides durable corrosion protection and high visibility. Custom sizes and lengths are available.

HI VIZ SQUARE WELL PROTECTORS - STEEL			
PART #	SIZE	LENGTH	WEIGHT
7950028	4" x 4"	5'	35 lbs.
7950029	6" x 6"	5'	51 lbs.



## PVC ROUND WELL PROTECTORS

Hole Products offers PVC locking well protectors, designed with a custom aluminium shaft to allow for padlock installation. Custom lengths and sizes are available.

LOCKING WELL PROTECTORS - ROUND PVC			
PART #	SIZE	LENGTH	WEIGHT
7950060	6"	4'	16 lbs.
7950062	6"	5'	20 lbs.
7950065	6"	6'	24 lbs.



## STEEL ROUND WELL PROTECTORS

Round, steel well protectors are available in 5' and 7' lengths to allow for secure installation. Custom lengths, primed and painted options are available. Locking well protector caps are sold separately (see below for part numbers). One cap is needed for each well protector.

WELL PROTECTORS - ROUND STEEL			
PART #	O.D.	LENGTH	WALL THICKNESS
7950046	4.500"	5'	.120"
7950075	4.500"	5'	SCHEDULE 40
7950047	4.500"	7'	.120"
7950048	4.500"	7'	SCHEDULE 40
7950080	6.625"	5'	.135"
7950085	6.625"	5'	SCHEDULE 40
7950006	6.625"	7'	SCHEDULE 40
7950007	6.625"	7'	.135"



## LOCKING WELL PROTECTOR CAPS

Aluminium locking well protector caps are designed to prevent vandalism of monitoring/water wells. Cap rings secure onto casing with three allen head set screws.

Please contact your Hole Products representative for availability of additional sizes.



LOCKING WELL PROTECTOR CAPS	
PART #	CASING O.D.
8000024	4.500"
8000050	6.625"

## WELL CAPS

Hole Products offers a wide range of aluminium, cast iron and ABS well caps for use in any well installation.

Caps are available in a full range of sizes and styles including round, locking, watertight, and caps with a conduit neck.

Personalized caps, replacement o-rings, and gaskets are available.

WELL CAPS - ALUMINIUM LOCKING	
PART #	SIZE
8000021	2 3/8"
8000023	3 1/2"
8000024	4 1/2"
8000060	5 5/8"
8000050	6 5/8"
8000022	8 3/4"
8001017	10 3/4"
8000001	12 3/4"



## WELL SEALS

Hole Products offers a wide range of single and double pipe solid and split top well seals, as well as steel sanitary well seals. Well seals are offered in cast iron, steel, and ABS, and are available to fit casing I.D.s ranging from 2" - 12" and drop pipe sizes from 1" - 4".



WELL SEALS			
SEAL SIZE	DROP PIPE SIZE	CAST IRON SOLID	CAST IRON SPILT TOP
2"	1"	8050002	8050045
4"	1"	8050030	8050060
5"	1"	8050015	8050016
6"	1 1/4"	8050035	8050050
6"	2"	8050040	8050065
8"	2"	8050070	8050055

## LOCKING WELL PLUGS

Hole Products offers a variety of locking plugs designed to provide a watertight, tamper proof seal at the top of monitoring or observations wells. Locking plugs fit the inside diameter of pvc or steel wells. As the wing nut is turned, a gasket seal expands, holding the plugs in place and sealing the well. For vandalism resistance, a standard padlock can be installed.

Additional size and styles are available on request.

Please contact your Hole Products representative for additional information and ordering assistance.

LOCKING WELL PLUGS		
PART #	FITS PIPE SIZE	SCHEDULE PIPE
7850008	1/2"	40
7850040		80
7850007	3/4"	40
7850032		80
7850006	1"	40/80
7850009	1 1/4"	40/80
7850004	1 1/2"	40/80
7850000	2"	40
7850012		80
7850001	2 1/2"	40/80
7850002	3"	40/80
7850003	4"	40
7850019		80
7850026	5"	40/80
7850030	6"	40/80

MORRISON BROS.® LOCKING WELL PLUGS*		
PART #	FITS PIPE SIZE	SCHEDULE PIPE
7850010	2"	40
7850015	4"	40
7850005	6"	40

\* Also fit schedule 5 or 10 stainless steel pipe.



# PADLOCKS

Hole Products offers a wide range of padlocks to provide vandalism protection for monitoring and remediation wells.

Locks are available in a number of sizes and styles and with a wide range of key numbers. All locks are available keyed-alike (same key will open multiple locks).

Please contact your Hole Products representative for ordering assistance.

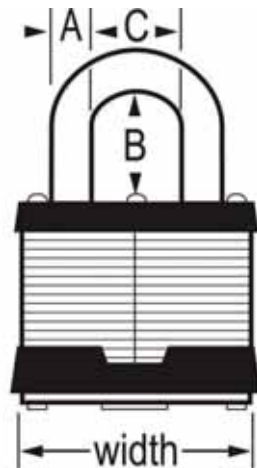
## MASTER LOCKS®



## DOLPHIN LOCKS®



PADLOCKS			
DESCRIPTION	SHACKLE DIMENSION		
	A	B	C
Master (3ka) - 1 9/16" (40mm) steel body	9/32"	3/4"	5/8"
Master (4ka) - 1 9/16" (40mm) brass body	9/32"	3/4"	5/8"
Master (1ka) - 1 3/4" (44mm) steel body	5/16"	15/16"	3/4"
Master (2ka) - 1 3/4" (44mm) brass body	5/16"	15/16"	3/4"
Master (5ka) - 2" (51mm) steel body	3/8"	1"	15/16"
Master (6ka) - 2" (51mm) brass body	3/8"	1"	15/16"
Dolphin Style - 35mm brass body	-----	----	----





## BUMPER POSTS

Hole Products offers 3" and 4" steel bumper posts in a variety of lengths for protecting wells from vehicle collisions.

Custom lengths, priming, and painting are available.

Please contact your Hole Products representative for additional details.

BUMPER POST		
PART #	PIPE SIZE	LENGTH
7750015	3"	5'
7750008	3"	5'3"
7750010	3"	6'
7750005	3"	7'
7750006	4"	5'
7750012	4"	5'3"
7750020	4"	6'
7750025	4"	7'



