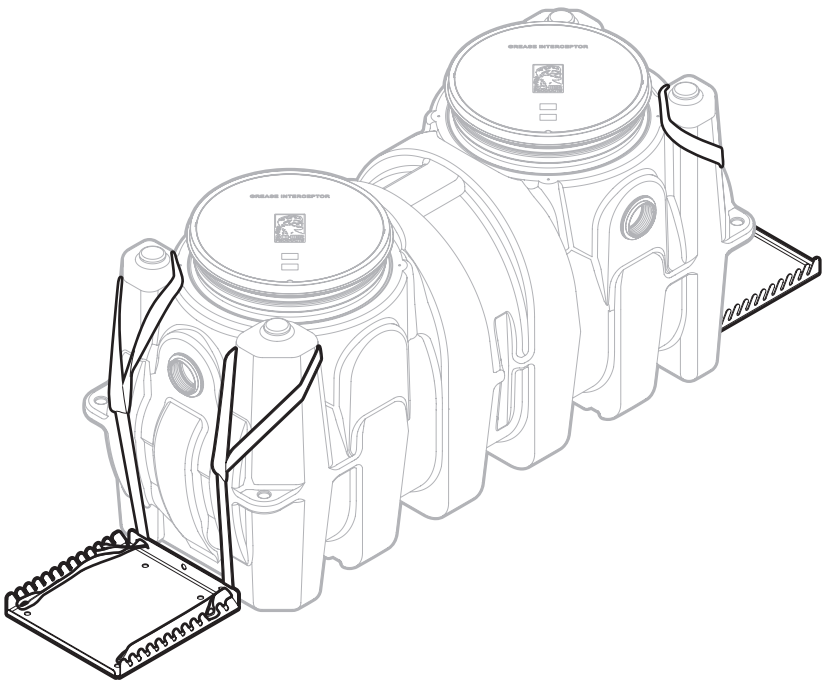


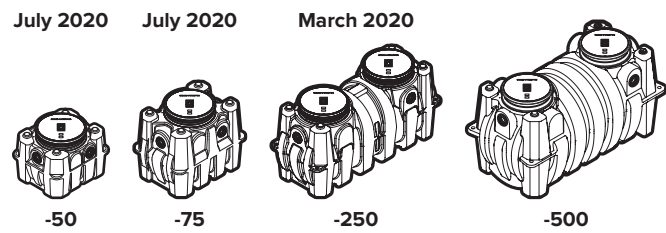
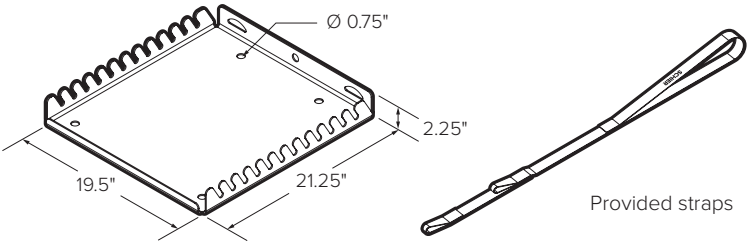
# SPECIFICATION AND INSTALLATION GUIDE

## AK1 Anti-flotation Anchor Kit for use with Grease and Solids Interceptors



Great Basin™ Grease Interceptors GB-50, GB-75, GB-250 and GB-500  
Billy Goat™ Solids Interceptors SI-50, SI-75, SI-250 and SI-500

### ANCHOR PLATE DETAIL



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### Notes

1. GB-500 requires use of 2 AK1 anchor kits (4 total anchor plates)
2. Unit weight: 25 lbs.

### Engineer Specification Guide:

Anti-flotation high water table anchor kit for use with models GB-50, GB-75, GB-250 and GB-500. To consist of (4) polypropylene sling style tie-down straps rated for 2,200 lb. working load each, (2) aluminum anchor plates and stainless steel hardware (for use with legacy models only).



<b>MODEL NUMBER:</b> AK1		<b>DESCRIPTION:</b> Anti-flotation Anchor Kit	
<b>PART #:</b> 8020-001-01	<b>DATE:</b> 01/01/2023	<b>REV:</b>	<b>ECO:</b>



## SPECIAL PRECAUTIONS

For Schier Grease Interceptor Installations - Failure to follow this guidance voids your warranty

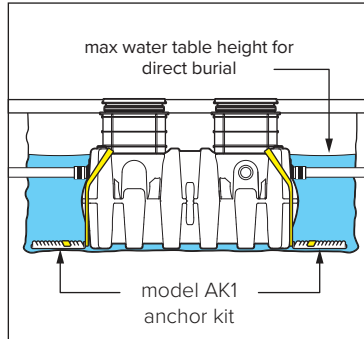
**CAUTION!** Do not install this unit in any manner except as described in these instructions.

☐ Read all instructions before installation

☐ Install in conformance with all local codes

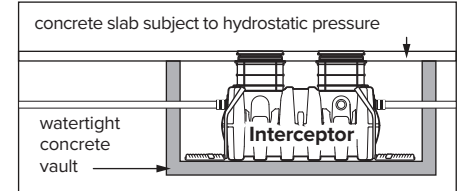
### High Water Table Installations

Interceptors and risers are not designed to withstand water table height in excess of the top of the unit when buried (see figure). If it is possible for this to occur, install the interceptor and risers in a water-tight concrete vault or backfill with concrete or flowable fill (wet concrete and flowable backfill should be poured in stages to avoid crushing the interceptor). At risk areas include but are not limited to tidal surge areas, floodplains and areas that receive storm water. Great Basin™ and Billy Goat™ models that are direct buried in high water table scenarios must be installed with an anchor kit.

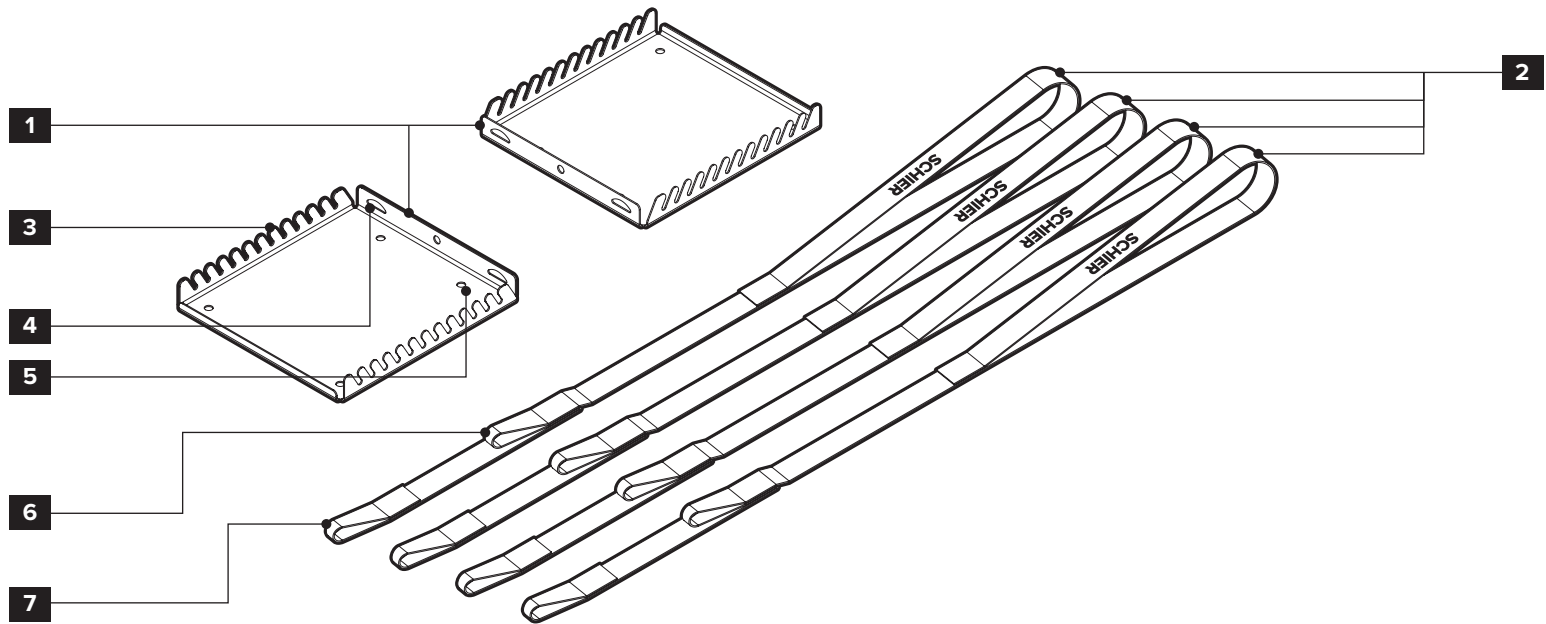


### Hydrostatic/Pressure Slabs

When installed under a hydrostatic slab (slab designed to withstand upward lift, usually caused by hydrostatic pressure) interceptor must be enclosed in a watertight concrete vault.



## GETTING TO KNOW THE AK1



1. Aluminum Anchor Plate (x2)

2. Polypropylene Tie-Down Straps (x4)

3. Anchor Plate Side Hooks

4. Anchor Plate Tie-Down Slots

5. Holes provided for additional mounting hardware (optional)

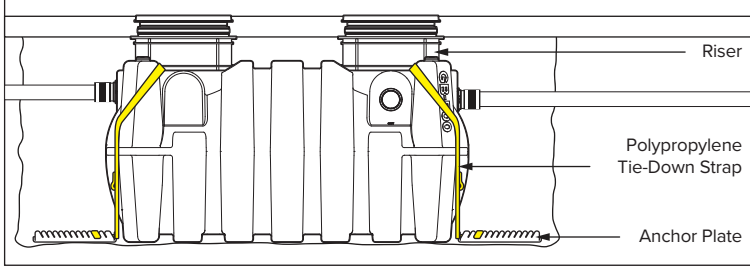
6. Midway Loop for securing anchor plate to GB-250

7. End Loop for securing anchor plate to GB-500

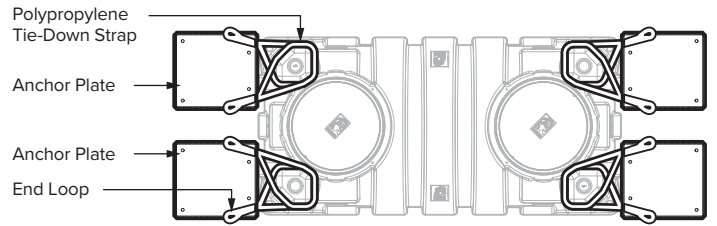
# INSTALLATION - STANDARD MODELS

## GENERAL ARRANGEMENT AND ANCHOR STRAP PLACEMENT

GB-500 SIDE VIEW

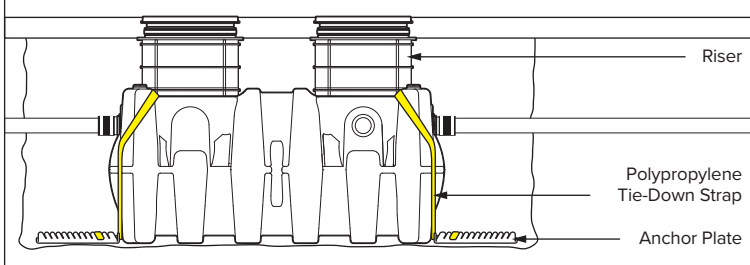


GB-500 TOP VIEW

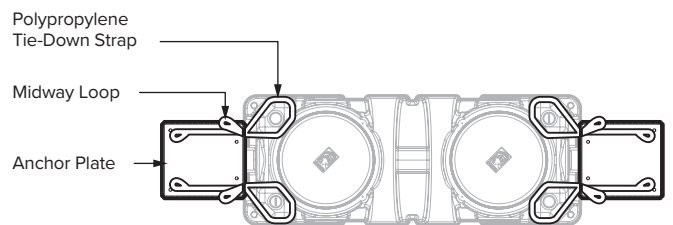


**NOTE: GB-500 requires use of 2 AK1 anchor kits (4 total anchor plates)**

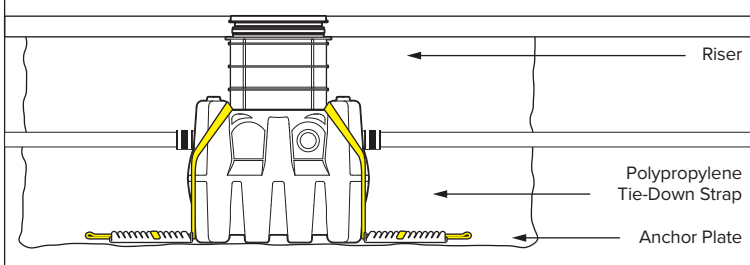
GB-250 SIDE VIEW



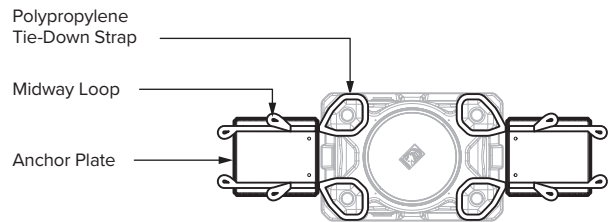
GB-250 TOP VIEW



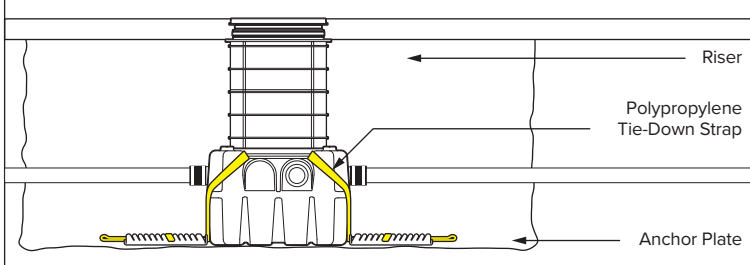
GB-75 SIDE VIEW



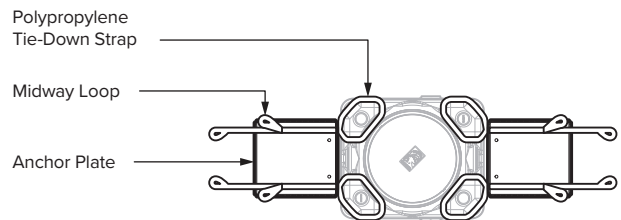
GB-75 TOP VIEW



GB-50 SIDE VIEW

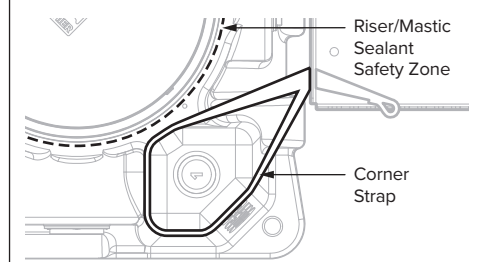


GB-50 TOP VIEW



1. Place anchor plates to either side of the interceptor as shown; level with unit bottom and adjacent to unit footprint.
2. Install corner straps as shown. First, place large loop around the upper interceptor corner post. Next, feed the strap through the anchor plate tie-down slot. Pull tight and attach the midway or end strap loop onto the furthest side hook possible. There are multiple end loops and multiple hooks to allow for field adjustments and multiple model compatibility. For best results, lift plate a few inches when attaching loops, then step on the plate to level it and tighten the straps.
3. Fill tank with water prior to anchoring and backfill
4. Note all excavation and backfill instructions in tank installation document.

CORNER STRAP DETAIL



**NOTE:** Ensure that tie-down strap does not touch riser or mastic or tank to riser seal will be compromised