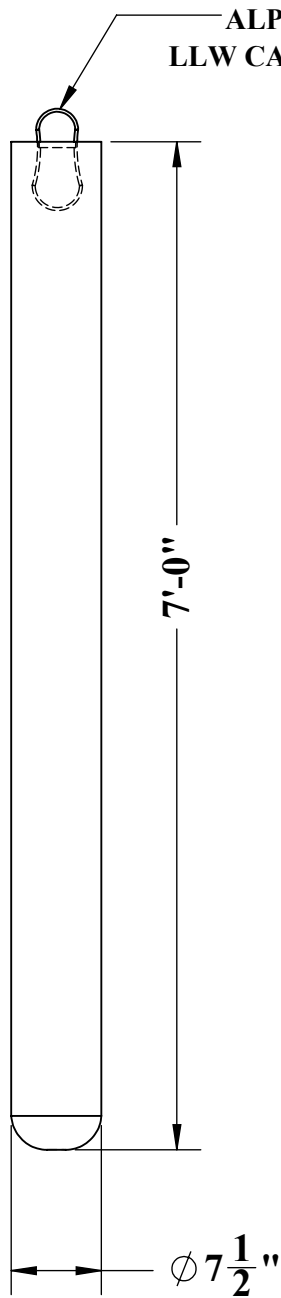




BOLLARD



WEIGHT: 320# EA. (.08 CU/YDS)



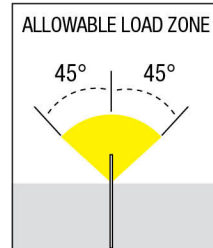
5204 NORTH STARR RD
NEWMAN LAKE, WA 99025
(509) 226-5050
www.inwprecast.com



ALP® STEEL CORE LIFT LOOPS

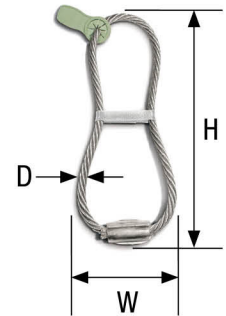


- High strength up to 6,600 lbs
- No recess member or special lifting hardware required
- Great for manhole and utility vault lids



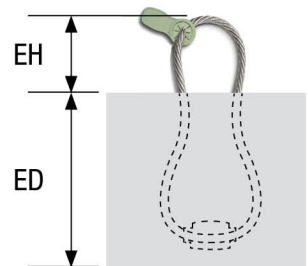
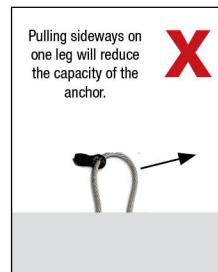
LIFT LOOP CAPACITY & DIMENSIONS

Part Number	Color Code Tag	D Wire Diameter	W Width	H Height	EH Exposed Height (1/3 of Height)	ED Embedded Depth (2/3 of Height)	Anchor Ultimate Mechanical Load in Tension (lbs)	Weight Per Piece (lbs)	Tension Capacity 4:1 SWL (lbs) 4,000 PSI
LLW	White	1/4"	3-15/16"	8-1/4"	2-3/4"	5-1/2"	6,400	0.20	1,600
LLR	Red	9/32"	4-5/16"	8-7/8"	3"	5-7/8"	9,600	0.28	2,400
LLP	Purple	5/16"	4-3/4"	9-1/4"	3-1/8"	6-1/8"	12,800	0.40	3,200
LLLG	Light Green	3/8"	5-1/8"	11"	3-5/8"	7-3/8"	16,000	0.61	4,000
LLC	Charcoal	25/64"	5-1/2"	12-1/8"	4"	8-1/8"	20,000	0.77	5,000
LLDG	Dark Green	15/32"	5-7/8"	13-3/8"	4-1/2"	8-7/8"	26,400	1.18	6,600



- **Pre-galvanized wire provides limited corrosion resistance. Corrosion will reduce Lift Loop capacity.**
- Tension capacities are based on non-reinforced concrete.
- Tension capabilities may vary depending on edge distance, concrete strength and embedment depth.
- Above capacities are based upon mechanical testing and concrete testing.
- All lifting hooks must have a smooth curve radius that is at least twice the diameter of the wire rope. **NO SHARP EDGES!**
- Hook width should be approximately 2 times the rope diameter.

Please visit www.alpsupply.com to view our ALP® Lift Loop Safety Guide for proper handling procedures.

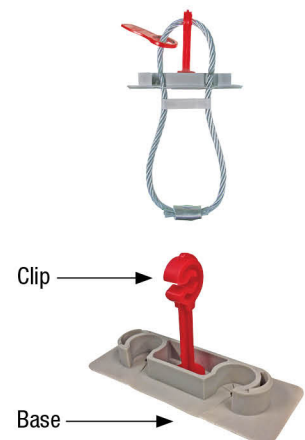


ALP® LIFT LOOP BASE AND CLIPS (OPTIONAL)

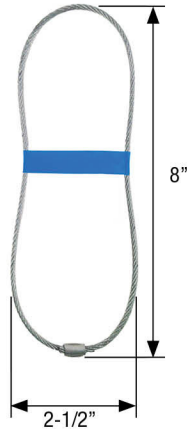
Optional Base and Clip for accurate height placement when wet setting in concrete or for inserting Lift Loops through slots in forms. Clips are color coded to match Lift Loop tags. Clips and Bases are sold separately.

LIFT LOOP BASE AND CLIPS

Part Number	Description	Qty per Carton
PWLLB	Lift Loop Base	400
PWLLCR	Lift Loop Clip for Red Lift Loop	500
PWLLCP	Lift Loop Clip for Purple Lift Loop	500
PWLLCLG	Lift Loop Clip for Light Green Lift Loop	500



ALP® 1/8" LIFT LOOPS

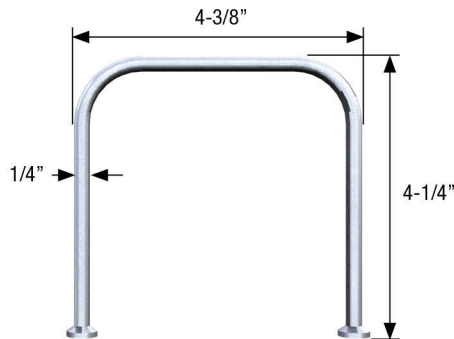


1/8" Lift Loops are commonly used in small risers and small precast products. Flexible wire design allows for easy installation and usage.

Part Number	Material	Anchor Mechanical Load in Tension, 4:1 SWL (lbs)	Weight Per Piece (lbs)
LLB	Pre-galvanized steel wire*	500	0.05
LLBS	Stainless steel		0.05

*Pre-galvanized wire provides limited corrosion resistance. Corrosion will reduce Lift Loop capacity. Above capacities are based upon mechanical testing.

ALP® LIFTING HANDLE

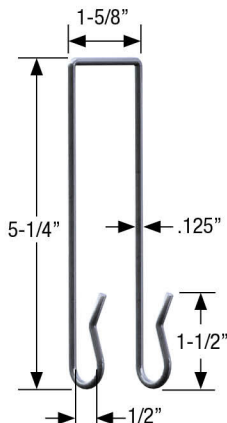


The ALP® Lifting Handle is designed for lifting of small concrete products by hand in applications such as concrete access holes for septic tanks, and other precast products.

Part Number	Mechanical Load in Tension, 4:1 SWL (lbs)	Weight Per Piece (lbs)
LRWSHG	500	0.20

Above capacities are based upon mechanical testing.

ALP® VAULT LID ANCHOR



The ALP® Vault Lid Anchor is used to hang reinforcing cages in burial vault lids. After vault lids are cured, anchors are then used for stripping the lid from the form and placing it on top of the vault.

Standard Finish is Stainless Steel.

Part Number	Weight Per Piece (lbs)
VLA1255S	0.05

Above capacities are based upon mechanical testing.