

# HLL System Components

## 4-Way HLL Anchors

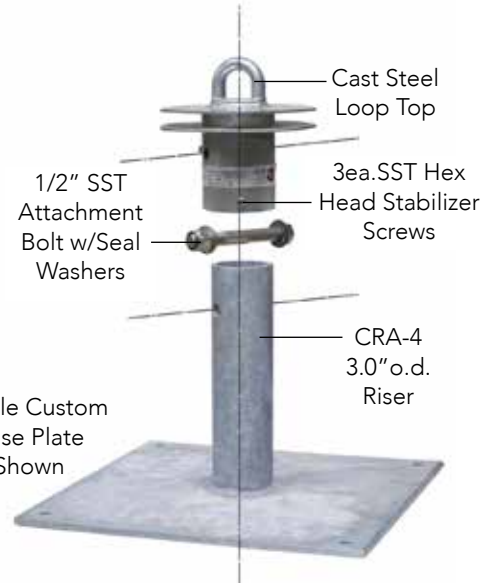
- Use for rigging several HLL runs in series, at 45 or 90 deg. angles
- Bolt/field weld/concrete embedment installation
- 5,000lb min. tensile strength
- 1-3/8" i.d. cast loop top
- Hot dip galvanized (G) or 304sst (S)
- 4-Way attachment bolt
- Foam filled riser
- English manual
- ANSI Z359.18-17 type A/T\*
- CSA Z259.15.22 type AT
- \*3rd party engineering reports upon request

## Ordering Information

Part Name	Part No.	Riser Ht.	Base Plate	Type	wt.	4-Way Top
CRA-4-12	1032-4G	12"	16"x16"x3/8"	52 Hole	35lb	1054-G HDG
CRA-4-18	1033-4G	18"			38lb	1054-S 304sst
CRA-4-24	1042-4G	24"	16"x16"x5/8"	16 Hole	65lb	wt. 6.5lb

Note: 304sst: CRA-4 specify 4S.

## 4-Way Top



## No.1050-G HLL Rigging Kit

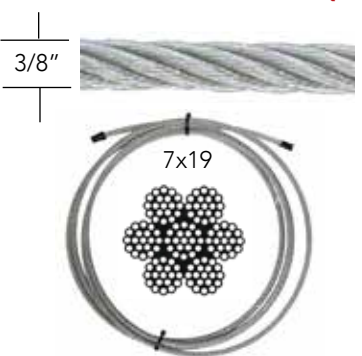
### No.1050-G Kit Contents

Part No.	No.Pcs	Finish	Description
5010-SM	4ea	Zinc	HLL O-Rings
1058	1ea	18-8sst	3/4"x14" Turnbuckle
	2ea	304sst	5/8"x3.0" Bolts
1087-SC	2ea	304sst	Absorber Couplers
	2ea	18-8sst	3/8"x1.0" Bolts
	1ea		5/8"x2.0" Bolt
1065-AS	1ea	304sst	Spring Absorber
1081-S	1ea	304sst	Coupler
	1ea	18-8	5/8"x2.0" Bolt
	1ea		9/16"x2-1/4" Bolt
4-Way Bolt	1ea	18-8	9/16"x3.0" Bolt
1057	2ea	HDG	3/8" Eye Thimble
1056	6ea	HDG	3/8" Cable Clamps

### HLL Rigging Components

- Specified for SAS HLL systems
- Includes all parts for complete on site installation
- All components 5,000lb min. tensile strength
- 4-Way attachment bolt
- English manual
- ANSI Z359.1
- OSHA 1926.502
- \* 3rd party engineering report upon request

### HLL Cable (Wire Rope)



Note: SAS adds an additional 4ft to the HLL cable length as measured from each end anchor or 4-Way top.



### Ordering Information

Part Name	Part No.	Type		
HLL Rigging Kit	1050-G	Galvanized		
	1050-S*	Stainless Steel		
HLL Cable	Part No.	Type	Strength	wt/ft
3/8"x7x19	1055-X	Galv.	14,000lb	0.243
	1055-SX	316sst	12,500lb	

\*Stainless steel rigging kit. Consult SAS Commercial Anchor Catalog.

## SAS Standard HLL Rigging Example



Consult SAS "Commercial Anchor Catalog" for Additional Components