

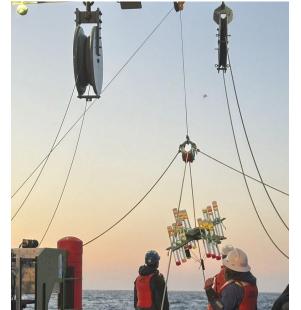
PERSONAL INTRODUCTIONS

- PAUL
 - LEAD TECHNICIAN WITH OSU'S MARSSAM
- AMBER
 - SIO RESIDENT TECHNICIAN
- WHY ARE WE FRIENDS?
 - WE LIKE TO HANG OUT ON DECK AND HELP YOU STAY SAFE











LOAD TRANSFERS

- WHAT IS IT?
- WHERE DO WE SEE THEM ACROSS UNOLS?
 - PISTON CORING
 - MOORINGS
 - SEISMIC SURVEYS
 - MAGNETOMETER TOWS
 - IMPERFECT INSTRUMENTATION RECOVERIES AKA "SCREW UPS"

TYPES OF GRIPS

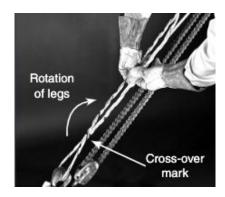


	Specifications														
Material Size		Part Number	Minimum Cable Diameter		Maximun Cable Diameter		Average Break Strength		Maximum Working Load (5:1)		Tail Length		Eye Size		Color
Inches	(mm)		Inches	(mm)	Inches	(mm)	Lbs	Kg	Lbs	Kg	Feet	M.	Inches	(cm)	
7/16	(11)	944504T	3/16	(5)	1/2	(13)	6,000	2,722	1,200	544	4.5	1.4	6	(15)	Red
9/16	(14)	944505T	1/4	(6)	3/4	(18)	12,000	5,443	2,400	1,089	5.5	1.7	6	(15)	Blue
11/16	(17)	944506T	3/8	(10)	7/8	(22)	18,000	8,165	3,600	1,633	6.5	2.0	6	(15)	Green
7/8	(22)	944507T	1/2	(13)	1	(25)	30,000	13,608	6,000	2,722	8	2.4	8	(20)	Orange
1	(25)	944508T	5/8	(16)	1-1/8	(29)	48,000	21,773	9,600	4,355	10	3.0	8	(20)	Yellow
1-1/4	(32)	944509T	7/8	(22)	1-3/4	(44)	72,000	32,659	14,400	6,532	16	4.9	12	(30)	Black
1-1/2	(38)	944510T	1-1/8	(29)	3	(76)	120,000	54,432	24,000	10,886	22	6.7	16	(41)	Red
1-3/4	(44)	944511T	1-3/8	(35)	3-1/2	(89)	180,000	81,648	36,000	16,330	28	8.5	18	(46)	Blue
2	(51)	944512T	2	(51)	4	(102)	290,000	131,544	58,000	26,309	34	10.3	18	(46)	Green
2-1/4	(57)	944513T	3-1/4	(83)	5	(127)	365,000	165,564	73,000	33,113	40	12.2	20	(51)	Orange
2-1/2	(64)	944514T	4	(102)	6	(152)	450,000	204,120	90,000	40,824	52	15.8	24	(61)	Yellow
7 Indus	strial Pa	rk Road, S	aco, ME	04072 •	207-282	-3396 •	www.yale	cordage.	com	YAI					GE sibilities.



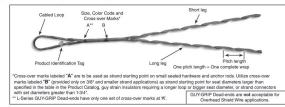
KLEIN GRIP

Big pull uses, crane or winch failures



GUY-GRIP® Dead-end

Be sure to read and completely understand this procedure before applying product. Be sure to select the proper PREFORMED™ product before application.



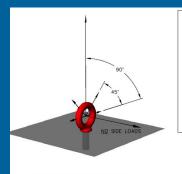
GUY GRIPS

More permanent, wire and cables

temporary, used with all lines

YALE GRIPS

LOAD BEARING AND TOW POINTS



USAGE GUIDE

EYEBOLTS ARE INTENDED FOR LOADS WHICH ARE NEARLY VERTICAL, SUCH AS SEAFASTENINGS WITH LOAD BINDERS OR TURNBUCKLES.

EYEBOLTS ARE NOT INTENDED FOR REEVING LINES OR FOR FIXING TURNING BLOCKS TO THE DECK. IN THESE CASES, IT IS ADMSABLE TO USE A BOLT-DOWN PADEYE OR A BOLT DOWN "O" RING.

EYEBOLTS MUST MATCH THE SPECIFICATIONS SHOWN ON SHEET 2 AND DESCRIBED IN THE GENERAL NOTES.

ANGLE TO DECK	MAX LOAD
90° (VERTICAL)	13,300 LBS
45"	3,990 LBS
0.	3,325 LBS

USAGE GUIDE

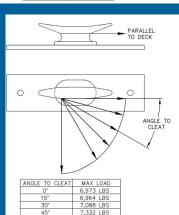
CLEATS ARE INTENDED FOR LOADS WHICH ARE NEARLY HORIZONTAL, SUCH AS MOORING LINES.

CLEATS ARE NOT INTENDED FOR REEVING LINES OR FOR FIXING TURNING BLOCKS TO THE DECK. IN THESE CASES, IT IS ADVISABLE TO USE A BOLT-DOWN PADEYE OR A BOLT DOWN "D" RING.

CLEAT ASSEMBLIES MUST MATCH THE SPECIFICATIONS SHOWN ON SHEET 2 AND DESCRIBED IN THE GENERAL NOTES.



- EYE BOLTS (NOT ALL SIZES/ THREADS ARE THE SAME)
- DECK CLEAT
- HBIT
- D-PLATE/ D-RING
- GLOSTEN DIAGRAMS



90,

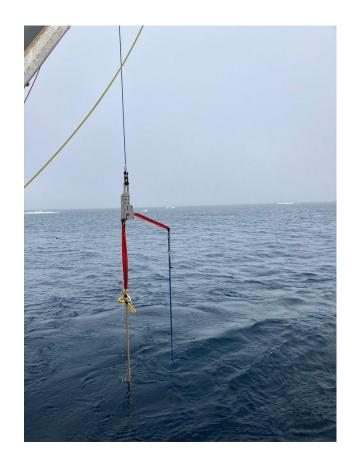


CORING LOAD TRANSFERS

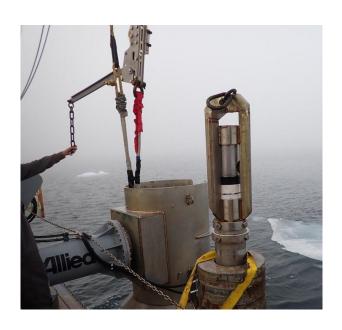


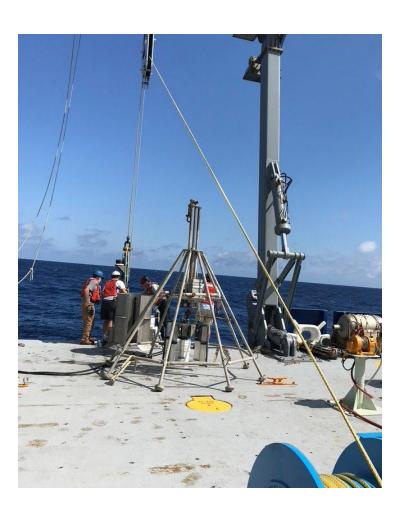
LAUNCH VS. RECOVERY





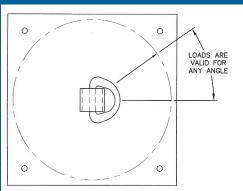






LOAD TRANSFERS WITH WINCH OPS

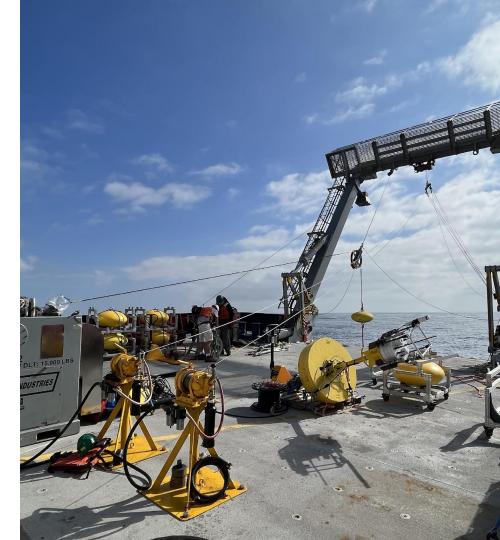




ANGLE TO DECK	MAX LOAD
0,	13,990 LBS
15'	14,450 LBS
30°	13,500 LBS
45'	9,550 LBS
60*	7,790 LBS
75*	6,990 LBS
90" (VERTICAL)	6,750 LBS



MOORING LOAD TRANSFERS





IMPERFECT INSTRUMENTATION RECOVERIES AKA "SCREW UPS"

- RECOVERING MISFIRED/ TANGLED EQUIPMENT
- BAD CTD/ BURIED WRAPS IN A DRUM
- TOO MUCH STUFF IN YOUR NET
- SYNTHETICS
 - END TO END SPLICE

















