

STANDARD SPREADER PIPE FOR USE WITH AC25C END CAPS, (AC22P)

Cage Code: 65059 | Drawing No: AC22P | Revision: U | Sheet: 1 of 2

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES

Diagram callouts:

- MASTER NO. - 5 DIGITS
- FIRST DASH
- PIPE SIZE (3 DIGITS)
- SECOND DASH
- INDIVIDUAL WLL OF EACH END CAP, IN TONS (2,000 LB. 3 DIGITS)
- LOCATION OF SUFFIX "L" WHEN REQUIRED. (NOTE 5)
- DETERMINE CUT LENGTH BY DEDUCTING "2X C" DIMENSION FROM REQUIRED SPAN
- THE WORK LOAD LIMITS ARE FOR THE ASSEMBLIES SHOWN IN THE DIAGRAM TO THE RIGHT. NOTE THAT THE WORK LOAD LIMIT IS TWO TIMES THE END CAP INDIVIDUAL RATING BECAUSE 2 END CAPS ARE USED FOR A SPREADER.

LG. BASED ORDR#	SPREADER PIPE SIZE SCHED	O.D.	I.D.	2X C	A	B	WLL FOR ASSEMBLED SPREADER	MAX. SPAN AT STATED WLL & LIFT ANGLE			CUT PIPE WT./LB./IN.
								45°	60°	70°	
AC22P-03X-007	3"NPS 80/EH	3.500 ±.035	2.90 +.111 -.035	13.50	2.00	1.00	28,000 LB.	11'-0"	15'-0"		0.854
AC22P-03X-013	3"NPS 80/EH	3.500 ±.035	2.90 +.111 -.035	17.00	2.00	1.00	52,000 LB.	5'-0"	11'-0"		0.854
AC22P-04X-013	4"NPS 80/EH	4.500 ±.045	3.83 +.129 -.045	18.00	2.00	1.00	52,000 LB.	12'-0"	17'-0"		1.248
AC22P-05X-013	5"NPS 80/EH	5.563 ±.056	4.81 +.205 -.056	19.50	2.00	1.00	52,000 LB.	20'-0"	27'-0"		1.732
AC22P-06X-013	6"NPS 80/EH	6.625 ±.066	5.76 +.174 -.066	20.50	2.00	1.00	52,000 LB.	27'-0"	35'-0"		2.381
AC22P-04X-025	4"NPS 80/EH	4.500 ±.045	3.83 +.129 -.045	25.94	2.00	1.00	100,000 LB.		11'-0"		1.248
AC22P-05X-025	5"NPS 80/EH	5.563 ±.056	4.81 +.205 -.056	26.94	2.00	1.00	100,000 LB.	8'-0"	18'-0"		1.732
AC22P-06X-025	6"NPS 80/EH	6.625 ±.066	5.76 +.174 -.066	28.85	2.00	1.00	100,000 LB.	18'-0"	26'-0"		2.381
AC22P-08X-025	8"NPS 80/EH	8.625 ±.086	7.63 +.212 -.086	30.86	2.00	1.00	100,000 LB.	31'-6"	42'-0"		3.616
AC22P-06X-045	6"NPS 80/EH	6.625 ±.066	5.76 +.174 -.066	29.50	2.00	1.00	180,000 LB.		16'-0"		2.381
AC22P-08X-045	8"NPS 80/EH	8.625 ±.086	7.63 +.212 -.086	34.72	2.00	1.00	180,000 LB.	18'-0"	31'-0"		3.616
AC22P-10X-045	10"NPS 60/EH	10.75 ±.108	9.75 +.234 -.108	37.00	2.00	1.00	180,000 LB.	31'-0"	41'-6"		4.562
AC22P-10X-065	10"NPS 60/EH	10.75 ±.108	9.75 +.234 -.108	42.40	2.00	1.00	260,000 LB.	18'-0"	36'-0"		4.562
AC22P-12X-065	12"NPS EH	12.75 ±.128	11.75 +.254 -.128	45.50	4.00	1.56	260,000 LB.	30'-0"	47'-0"		6.097
AC22P-14X-085	14"NPS EH	14.00 ±.140	13.00 +.266 -.140	41.50	4.00	1.56	340,000 LB.		45'-0"		7.058
AC22P-26X-250	26" EH	26.00 ±.260	25.00 +.386 -.260	50.00	6.00	2.00	1,000,000 LB.		66'-0"		11.350
AC22P-32X-552	32" EH	32.00 ±.320	31.00 +.446 -.320	70.50	7.00	2.00	2,208,000 LB.		66'-0"	79'-0"	14.017

NOTE:

- MATERIAL FOR ALL EXCEPT "L" LOW TEMP ARCTIC PARTS. (NOTE 5) ASTM A500 GR B STEEL AS STANDARD BUT MAY BE SUBSTITUTED WITH ASTM A53 GR B STEEL PIPE OR ANY STRUCTURAL PIPE RATED AT 35,000 PSI OR GREATER, PAINTED SAFETY YELLOW. FOR "L" PARTS ARCTIC LOW TEMP PARTS USE ASTM A333/333M GRADE 6 OR 7 STEEL WITH CERTIFIED CHARPY AT -50]DEGF. PAINTED SAFETY YELLOW WITH LOW TEMPERATURE PAINT.
- MARKING (TANDEMLOC SUPPLIED PIPES) SERIAL NO.(IF PROOF TESTED)- METAL STAMP IN DESIGNATED LOCATION. VINYL DECAL- 2 SIDE, 3" RED;" NPS** ON AC25L LABEL AS NOTED. AND TANDEMLOC LOGO (RED) OR CUSTOMER LOGO IF SPEC. ** FROM CHART W/ ENGINEERING APPROVAL
- THE HOLES THAT ARE DRILLED ON EACH END MUST BE ON THE SAME PLANE, WITHIN 1° DEGREE. HOLES ARE TO BE ALIGNED FOR THE MATING END EYE CAP HOLES AND ALLOW PASSAGE OF THE SAFETY PIN. HOLES SHOULD NOT BE THRU SEAMS IN THE PIPE WHICH CAN CAUSE INTERFERENCE. (ALSO SEE NOTE 6.)
- CERTIFICATION NOTE: TANDEMLOC SUPPLIED SPREADER PIPES ARE CERTIFIED TO THE MATERIAL SPECIFICATION & TEST REPORT RECEIVED FROM THE PIPE PRODUCER AND FOR THE WORK LOAD LIMIT NOTED IN THE ADJACENT CHART WHEN USED WITH SUITABLY STRONG END CAPS AND CONFORMING TO THE LIFT ANGLES NOTED ON THIS DRAWING AND THE END CAPS.THE PIPE MATERIAL TEST REPORTS ARE AVAILABLE UPON REQUEST. PROOF LOADING & CERTS FOR PROOF TESTING IS AVAILABLE UPON REQUEST ONLY.
- USE TEMPERATURE IS 180°F TO 25°F (PER ASME B31.3) FOR STANDARD PART NUMBERS. FOR ARCTIC COLD TO -50°F SPECIFY PART NO. FROM CHART WITH THE SUFFIX "L."; EXAMPLE- AC22P-030EH-013L.
- IN SOME CASES, EARLIER MODELS OF PIPE CAPS HAD PIN HOLES IN DIFFERENT LOCATIONS THAN ON LATER MODELS. A SECOND SET OF PIN HOLES MAY BE DRILLED ROTATED 90° FROM THE OTHER SET OF HOLES. PIPES CAN THEN BE USED WITH BOTH EARLIER AND LATER END CAPS WITHOUT AFFECTING THE STRENGTH RATINGS.

To avoid lifter failure, potential death and property damage, never exceed WLL (Working Load Limit).

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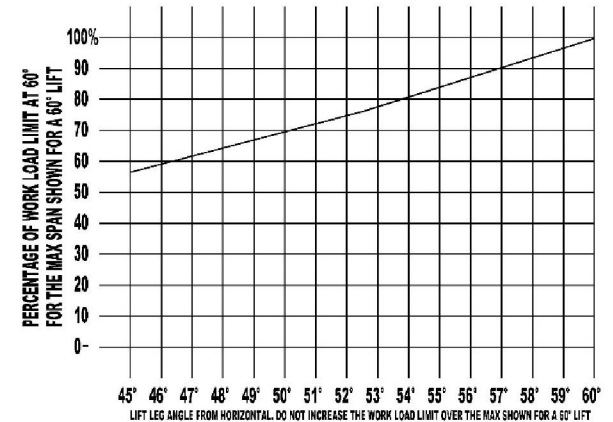
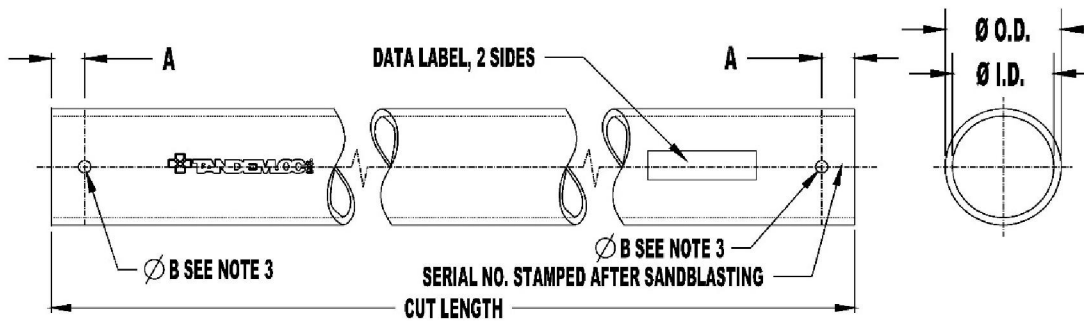
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METHOD OF ORDERING PIPE (SEE NOTES 1 & 5):

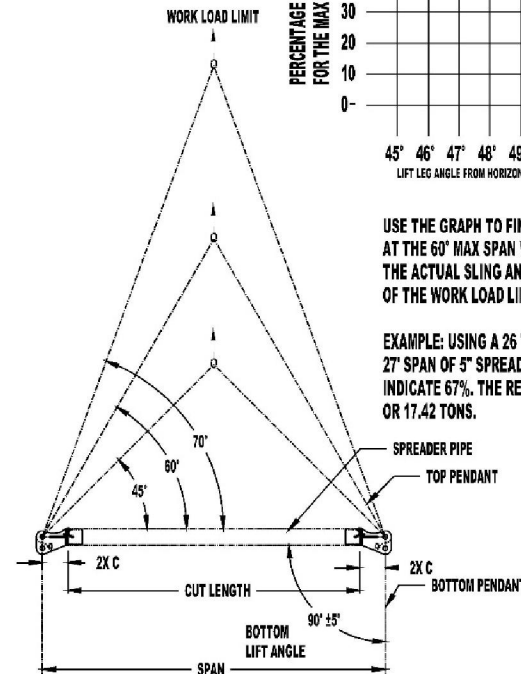
ORDERING EACH FINISHED SPREADER PIPE REQUIRES AN ORDER NUMBER WHICH DEFINES THE ACTUAL CUT LENGTH OF EACH SPREADER PIPE AS THE QUANTITY IN INCHES.

AN EXAMPLE FOR STANDARD STEEL FOLLOWS:

115" AC22P-03X-013 PIPE, 3"NPS/80/EH COMPONENTS, LENGTH BASED

AN EXAMPLE FOR ARCTIC STEEL FOLLOWS:

115" AC22P-03X-013L PIPE, ARTIC 3"NPS/80/EH COMPONENTS, LENGTH BASED



USE THE GRAPH TO FIND THE PERCENTAGE OF THE MAX WORK LOAD AT THE 60° MAX SPAN WHEN SLING ANGLES LESS THAN 60°. TRACK THE ACTUAL SLING ANGLE HORIZONTALLY LEFT TO THE PERCENTAGE OF THE WORK LOAD LIMIT THAT APPLIES.

EXAMPLE: USING A 26 T MAX.WORK BASED ON A 60° SLING AND A 27' SPAN OF 3" SPREADER PIPE, A SUITABLE 50' SLING WOULD INDICATE 67%. THE RESULTANT WORK LOAD LIMIT IS 26 T X .67 OR 17.42 TONS.

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