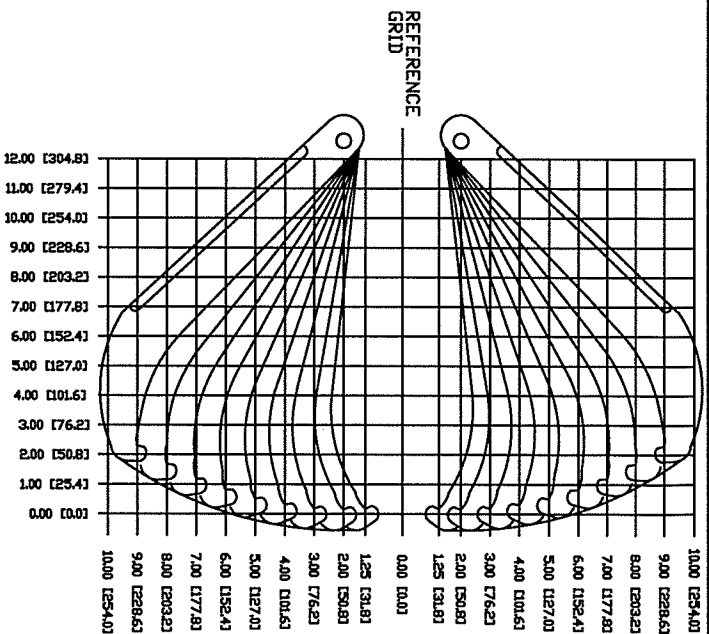


JAW SPREAD	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	DIM H	DIM J	DIM K	DIM L
2.50 [63.5]	4.53 [115.1]	4.82 [122.4]	4.73 [120.1]	4.51 [114.6]	4.29 [109.0]	4.06 [103.1]	3.84 [97.5]	3.62 [91.9]	3.40 [86.4]	3.18 [80.8]	6.17 [156.7]
4.00 [101.6]	5.76 [146.3]	5.94 [150.9]	5.74 [145.8]	5.40 [137.2]	5.05 [128.3]	4.77 [119.6]	4.56 [110.7]	4.02 [102.1]	3.67 [93.2]	3.33 [84.6]	6.18 [157.0]
6.00 [152.4]	7.38 [187.5]	7.45 [189.2]	7.12 [180.8]	6.61 [167.9]	6.09 [154.7]	5.58 [141.7]	5.07 [128.8]	4.55 [115.6]	4.04 [102.6]	3.53 [89.7]	6.15 [156.2]
8.00 [203.2]	9.02 [229.1]	8.98 [228.1]	8.56 [217.4]	7.87 [199.9]	7.18 [182.4]	6.49 [164.8]	5.80 [147.3]	5.11 [129.8]	4.42 [112.3]	3.73 [94.7]	6.09 [154.7]
10.00 [254.0]	10.68 [271.3]	10.57 [268.5]	10.07 [255.8]	9.21 [233.9]	8.33 [211.6]	7.46 [189.5]	6.59 [167.1]	5.70 [144.8]	4.82 [122.4]	3.94 [100.1]	5.98 [151.9]
12.00 [304.8]	12.38 [314.5]	12.23 [310.6]	11.67 [296.4]	10.68 [271.2]	9.59 [243.6]	8.51 [216.2]	7.42 [188.5]	6.34 [161.0]	5.25 [133.4]	4.16 [105.7]	5.83 [148.1]
14.00 [355.6]	14.14 [359.1]	13.97 [354.8]	13.40 [340.4]	12.33 [313.2]	11.01 [279.7]	9.69 [246.1]	8.37 [212.6]	7.04 [178.8]	5.72 [145.3]	4.40 [111.8]	5.64 [143.3]
16.00 [406.4]	15.97 [405.6]	15.82 [401.8]	15.25 [387.4]	14.20 [360.7]	12.65 [321.3]	11.05 [280.7]	9.46 [240.3]	7.86 [199.6]	6.27 [159.3]	4.67 [118.6]	5.39 [138.9]
18.00 [457.2]	18.00 [457.2]	17.77 [451.4]	17.26 [438.4]	16.27 [413.3]	14.63 [371.6]	12.70 [322.6]	10.77 [273.6]	8.85 [224.8]	6.92 [175.8]	4.99 [126.7]	5.08 [129.0]



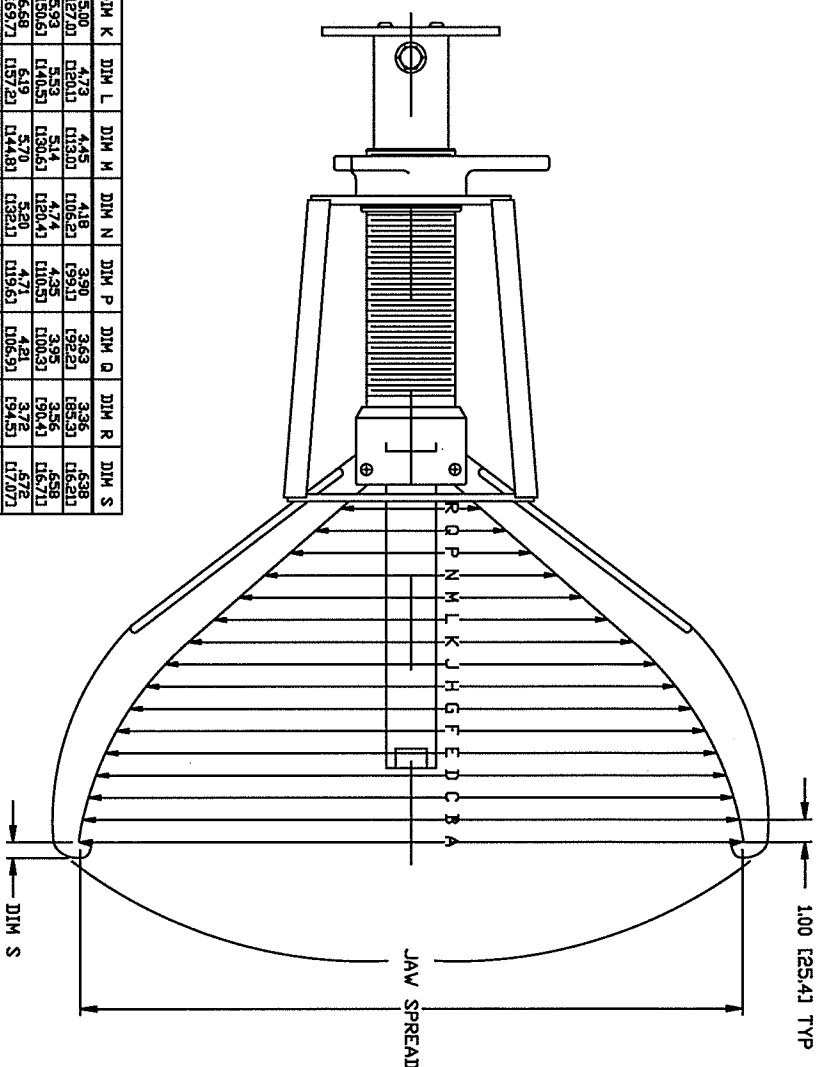
**POSI LOCK MODELS PH113/PH213  
GEAR AND BEARING PULLER**

MODEL PH113	MODEL PH213
25 TON [228 METRIC TONS]	25 TON [228 METRIC TONS]
3 JAW	2 JAW
RAW STROKE 14.25 [362.0]	RAW STROKE 14.25 [362.0]
REACH 12.0 [304.8]	REACH 12.0 [304.8]
SPREAD 2.5 [63.5] TO 18.0 [457.2]	SPREAD 2.5 [63.5] TO 18.0 [457.2]
WT. 106 Lbs [48 kg]	WT. 98 Lbs [44 kg]
RATED FOR 10000 PSI	RATED FOR 10000 PSI

ITEM NO.	REV.	PART NO.	REVISION	DATE
POSI LOCK PULLER, INC. 1001 W. 10th St. Grand Rapids, MI 49508 (616) 233-1111 FAX: (616) 233-1112				
MODEL	PH113/PH213	REV.	1 of 2	D

# POSI LOCK MODELS PH113/PH213 LONG JAWS GEAR AND BEARING PULLER

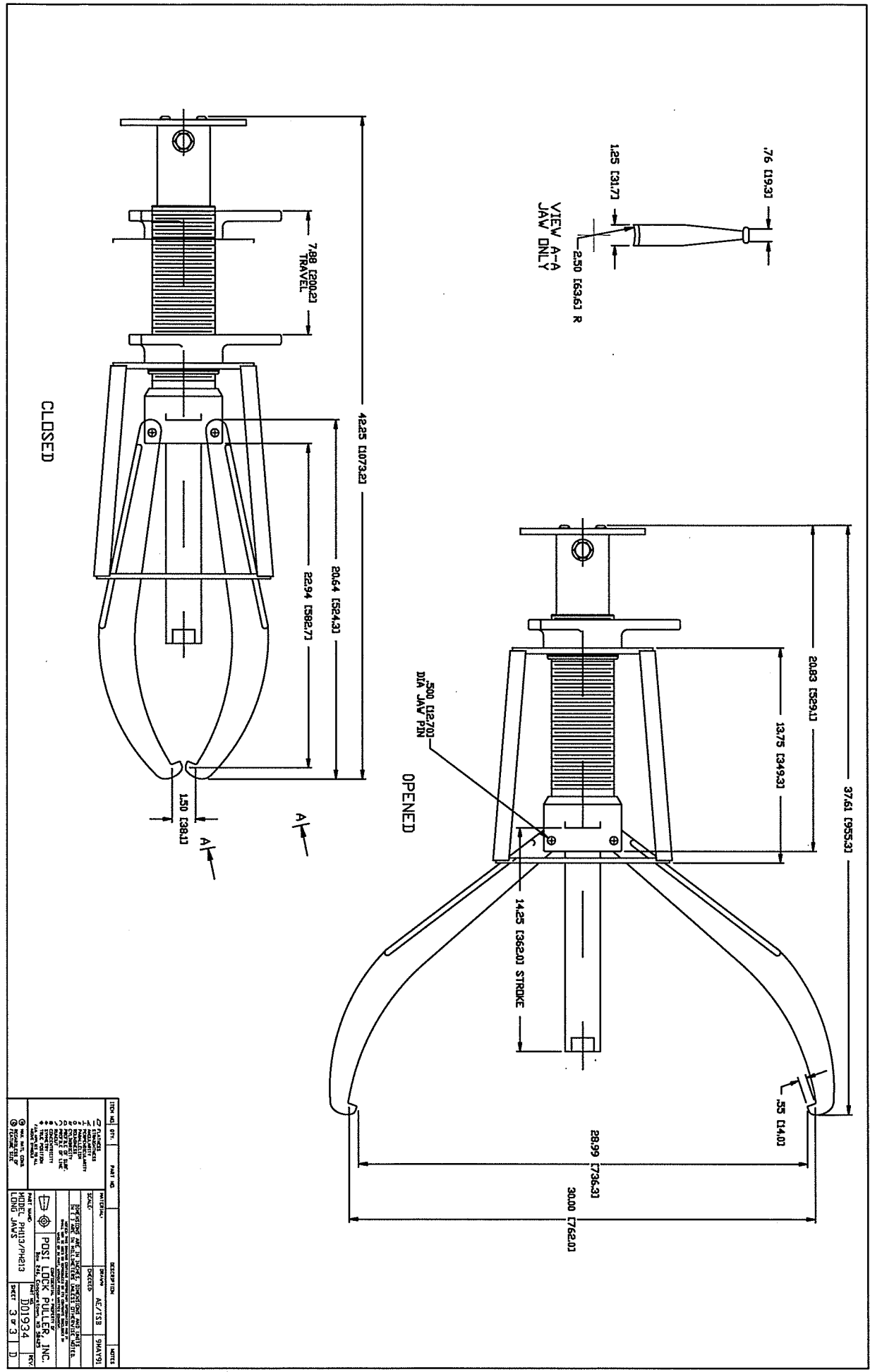
<b>MODEL PH113</b> 25 TON (228 METRIC TONS) 3 JAW RAM STROKE 14.25 (362.01) REACH 200 (508.01) SPREAD 15 (381) TD 300 (762.01) WT. 124 Lbs.(56.2 kg) RATED FOR 10000 PSI	<b>MODEL PH213</b> 25 TON (228 METRIC TONS) 2 JAW RAM STROKE 14.25 (362.01) REACH 200 (508.01) SPREAD 15 (381) TD 300 (762.01) WT. 110 Lbs.(49.9 kg) RATED FOR 10000 PSI
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	DIM A	DIM B	DIM C	DIM D	DIM E	DIM F	DIM G	DIM H	DIM J	DIM K	DIM L	DIM M	DIM N	DIM P	DIM Q	DIM R	DIM S
JAW SPREAD	5.25 (132.7)	5.75 (146.3)	6.25 (158.8)	6.75 (171.3)	7.25 (183.8)	7.75 (196.3)	8.25 (208.8)	8.75 (221.3)	9.25 (233.8)	9.75 (246.3)	10.25 (258.8)	10.75 (271.3)	11.25 (283.8)	11.75 (296.3)	12.25 (308.8)	12.75 (321.3)	13.25 (333.8)
1.50 (38.1)	1.75 (44.3)	2.00 (50.8)	2.25 (57.1)	2.50 (63.5)	2.75 (69.9)	3.00 (76.2)	3.25 (82.6)	3.50 (88.9)	3.75 (95.3)	4.00 (101.6)	4.25 (107.9)	4.50 (114.3)	4.75 (120.6)	5.00 (126.9)	5.25 (133.2)	5.50 (139.5)	5.75 (145.8)
4.00 (101.6)	4.50 (114.3)	5.00 (126.9)	5.50 (139.5)	6.00 (152.1)	6.50 (164.6)	7.00 (177.1)	7.50 (189.6)	8.00 (202.1)	8.50 (214.6)	9.00 (227.1)	9.50 (239.6)	10.00 (252.1)	10.50 (264.6)	11.00 (277.1)	11.50 (289.6)	12.00 (302.1)	12.50 (314.6)
6.00 (152.4)	6.50 (164.6)	7.00 (177.1)	7.50 (189.6)	8.00 (202.1)	8.50 (214.6)	9.00 (227.1)	9.50 (239.6)	10.00 (252.1)	10.50 (264.6)	11.00 (277.1)	11.50 (289.6)	12.00 (302.1)	12.50 (314.6)	13.00 (327.1)	13.50 (339.6)	14.00 (352.1)	14.50 (364.6)
8.00 (203.2)	8.50 (214.6)	9.00 (227.1)	9.50 (239.6)	10.00 (252.1)	10.50 (264.6)	11.00 (277.1)	11.50 (289.6)	12.00 (302.1)	12.50 (314.6)	13.00 (327.1)	13.50 (339.6)	14.00 (352.1)	14.50 (364.6)	15.00 (377.1)	15.50 (389.6)	16.00 (402.1)	16.50 (414.6)
10.0 (254.0)	10.50 (264.6)	11.00 (277.1)	11.50 (289.6)	12.00 (302.1)	12.50 (314.6)	13.00 (327.1)	13.50 (339.6)	14.00 (352.1)	14.50 (364.6)	15.00 (377.1)	15.50 (389.6)	16.00 (402.1)	16.50 (414.6)	17.00 (427.1)	17.50 (439.6)	18.00 (452.1)	18.50 (464.6)
12.0 (304.8)	12.50 (314.6)	13.00 (327.1)	13.50 (339.6)	14.00 (352.1)	14.50 (364.6)	15.00 (377.1)	15.50 (389.6)	16.00 (402.1)	16.50 (414.6)	17.00 (427.1)	17.50 (439.6)	18.00 (452.1)	18.50 (464.6)	19.00 (477.1)	19.50 (489.6)	20.00 (502.1)	20.50 (514.6)
14.0 (355.6)	14.50 (364.6)	15.00 (377.1)	15.50 (389.6)	16.00 (402.1)	16.50 (414.6)	17.00 (427.1)	17.50 (439.6)	18.00 (452.1)	18.50 (464.6)	19.00 (477.1)	19.50 (489.6)	20.00 (502.1)	20.50 (514.6)	21.00 (527.1)	21.50 (539.6)	22.00 (552.1)	22.50 (564.6)
16.0 (406.4)	16.50 (414.6)	17.00 (427.1)	17.50 (439.6)	18.00 (452.1)	18.50 (464.6)	19.00 (477.1)	19.50 (489.6)	20.00 (502.1)	20.50 (514.6)	21.00 (527.1)	21.50 (539.6)	22.00 (552.1)	22.50 (564.6)	23.00 (577.1)	23.50 (589.6)	24.00 (602.1)	24.50 (614.6)
18.0 (457.2)	18.50 (464.6)	19.00 (477.1)	19.50 (489.6)	20.00 (502.1)	20.50 (514.6)	21.00 (527.1)	21.50 (539.6)	22.00 (552.1)	22.50 (564.6)	23.00 (577.1)	23.50 (589.6)	24.00 (602.1)	24.50 (614.6)	25.00 (627.1)	25.50 (639.6)	26.00 (652.1)	26.50 (664.6)
20.0 (508.0)	20.50 (514.6)	21.00 (527.1)	21.50 (539.6)	22.00 (552.1)	22.50 (564.6)	23.00 (577.1)	23.50 (589.6)	24.00 (602.1)	24.50 (614.6)	25.00 (627.1)	25.50 (639.6)	26.00 (652.1)	26.50 (664.6)	27.00 (677.1)	27.50 (689.6)	28.00 (702.1)	28.50 (714.6)
22.0 (558.8)	22.50 (564.6)	23.00 (577.1)	23.50 (589.6)	24.00 (602.1)	24.50 (614.6)	25.00 (627.1)	25.50 (639.6)	26.00 (652.1)	26.50 (664.6)	27.00 (677.1)	27.50 (689.6)	28.00 (702.1)	28.50 (714.6)	29.00 (727.1)	29.50 (739.6)	30.00 (752.1)	30.50 (764.6)
24.0 (609.6)	24.50 (614.6)	25.00 (627.1)	25.50 (639.6)	26.00 (652.1)	26.50 (664.6)	27.00 (677.1)	27.50 (689.6)	28.00 (702.1)	28.50 (714.6)	29.00 (727.1)	29.50 (739.6)	30.00 (752.1)	30.50 (764.6)	31.00 (777.1)	31.50 (789.6)	32.00 (802.1)	32.50 (814.6)
26.0 (660.4)	26.50 (664.6)	27.00 (677.1)	27.50 (689.6)	28.00 (702.1)	28.50 (714.6)	29.00 (727.1)	29.50 (739.6)	30.00 (752.1)	30.50 (764.6)	31.00 (777.1)	31.50 (789.6)	32.00 (802.1)	32.50 (814.6)	33.00 (827.1)	33.50 (839.6)	34.00 (852.1)	34.50 (864.6)
28.0 (711.2)	28.50 (714.6)	29.00 (727.1)	29.50 (739.6)	30.00 (752.1)	30.50 (764.6)	31.00 (777.1)	31.50 (789.6)	32.00 (802.1)	32.50 (814.6)	33.00 (827.1)	33.50 (839.6)	34.00 (852.1)	34.50 (864.6)	35.00 (877.1)	35.50 (889.6)	36.00 (902.1)	36.50 (914.6)
30.0 (762.0)	30.50 (764.6)	31.00 (777.1)	31.50 (789.6)	32.00 (802.1)	32.50 (814.6)	33.00 (827.1)	33.50 (839.6)	34.00 (852.1)	34.50 (864.6)	35.00 (877.1)	35.50 (889.6)	36.00 (902.1)	36.50 (914.6)	37.00 (927.1)	37.50 (939.6)	38.00 (952.1)	38.50 (964.6)

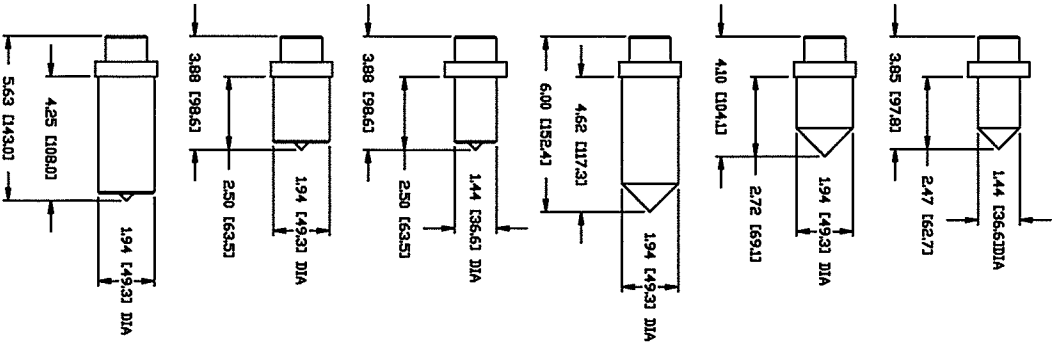
ITEM NO. 017	PART NO.	DRAWING	REV.	DATE
017	PH113/PH213	AC/1/53	SHAW/91	
POSI LOCK PULLER, INC. 101934 1 OF 3				



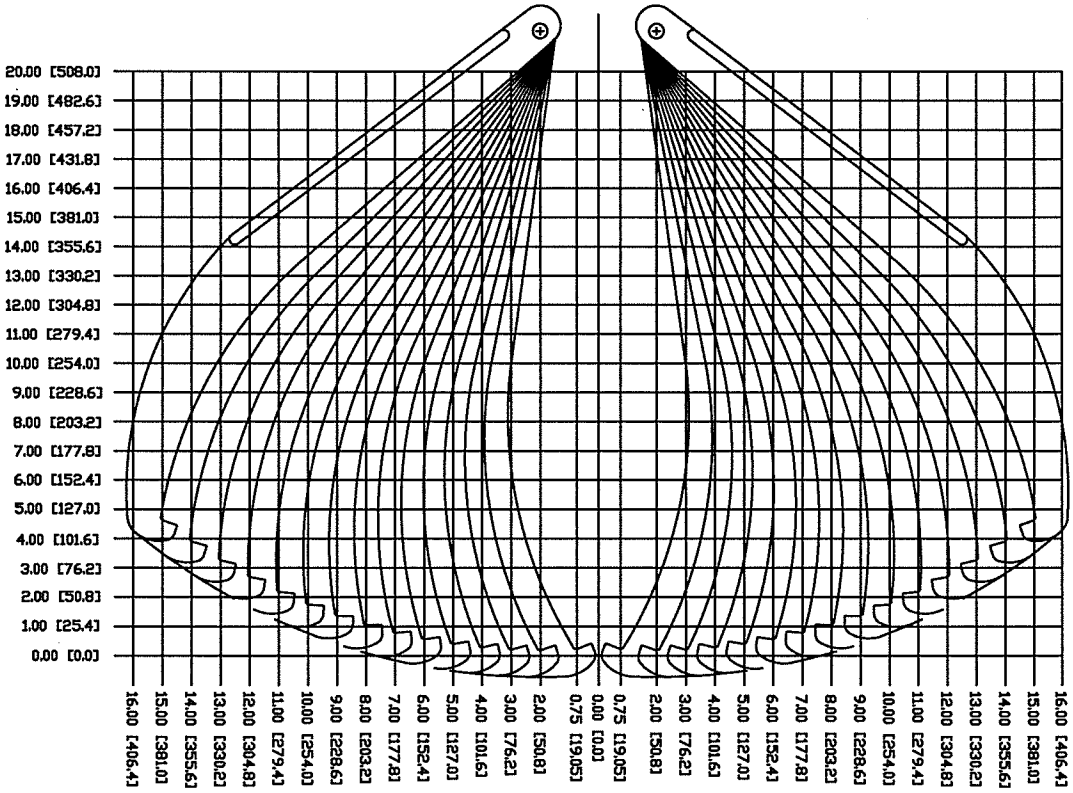


ITEM NO.	QTY.	PART NO.	DESCRIPTION	UNIT
1	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
2	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
3	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
4	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
5	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
6	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
7	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
8	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
9	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
10	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
11	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
12	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
13	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
14	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
15	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
16	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
17	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
18	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
19	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
20	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
21	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
22	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
23	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
24	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
25	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
26	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
27	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
28	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
29	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
30	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
31	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
32	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
33	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
34	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
35	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
36	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
37	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
38	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
39	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
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62	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
63	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
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69	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
70	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
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89	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
90	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
91	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
92	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
93	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
94	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
95	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
96	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
97	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
98	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
99	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC
100	1	PH112/PH113	POSITIVE LOCK PULLER, JAW	PC

RAM POINT SET



REFERENCE  
GRID



1. TITLE	2. DATE	3. REVISION	4. SHEET NO.
5. DRAWN BY	6. CHECKED BY	7. APPROVED BY	8. DATE
<p>PROJECT: <b>RAM POINT SET</b></p> <p>SCALE: <b>AS SHOWN</b></p> <p>DATE: <b>01/13/93</b></p> <p>BY: <b>PH13/PH13</b></p> <p>NO. OF SHEETS: <b>3</b></p> <p>SHEET NO.: <b>2</b></p>			
<p>COMPANY: <b>POST LOCK MILLING, INC.</b></p> <p>ADDRESS: <b>101934</b></p> <p>CITY: <b>INDIANAPOLIS, IN 46240</b></p> <p>PHONE: <b>(317) 544-1111</b></p>			