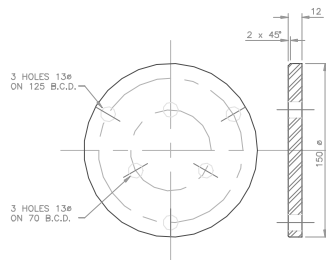
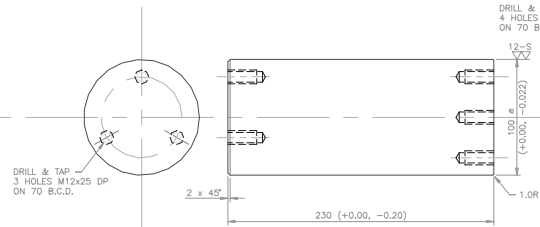


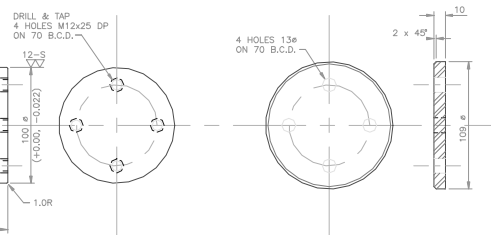
mm 0 20 40 60 80 100 200 300 400



DETAIL - ITEM 9



DETAIL - ITEM 10



DETAIL - ITEM 11

DESIGN FROZEN



ESTIMATED FINISHED MASS = 32.2

11	2	RETAINER CAP PL 10 x 110ø	0.47
10	2	CYLINDER CLEVIS PIN 108ø x 230 LONG EN9	
		HEAT TREAT TO TS 1100-1170 MPa, YS 930-1000 MPa	
		HARDNESS 330 TO 360 BHN	28.4
9	2	RETAINER CAP PL 12 x 150ø	3.33
ITEM	QTY	DESCRIPTION	WT kg

FILE NAME: D03-3084
CADD: D03-3120-04
LEG: REF. # D03-3373
FILE PATH: C:\Project By Customer\Shiploader\Bulk\D03-3120-04 (Turntable Cylinder Pin and Retainer Details).dwg

REVISIONS	MADE BY	DATE	LETTER	Certified for Construction	Feb 25/04	D03-3120-01	REFERENCE DWGS



PORTNET
RICHARDS BAY-DRY BULK JETTY
1000 TPH SHIPLOADER No. 2

SHIPLOADER BOOM
TURNABLE CYLINDERS
PIN AND RETAINER DETAILS



Rev: Bvds
Date:
Drawn:
App: D-3220

Draw No.:
D03-3120-04
Scale: 1:2
Date: Feb 23/04