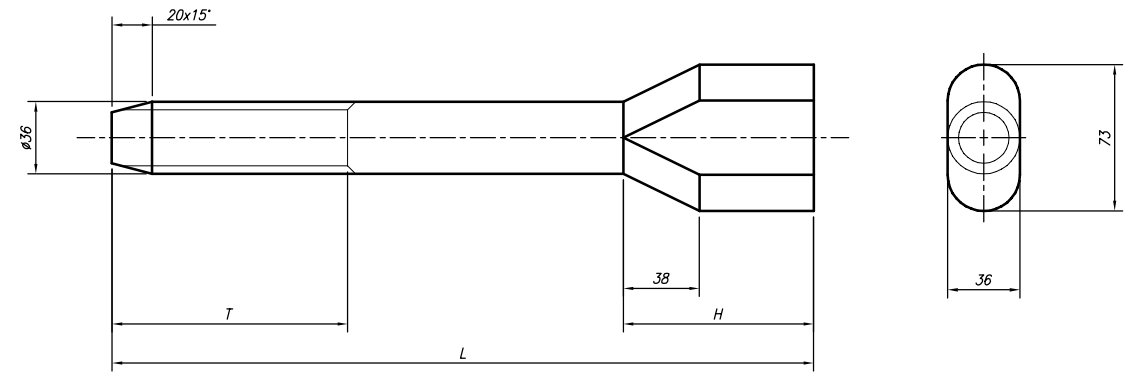
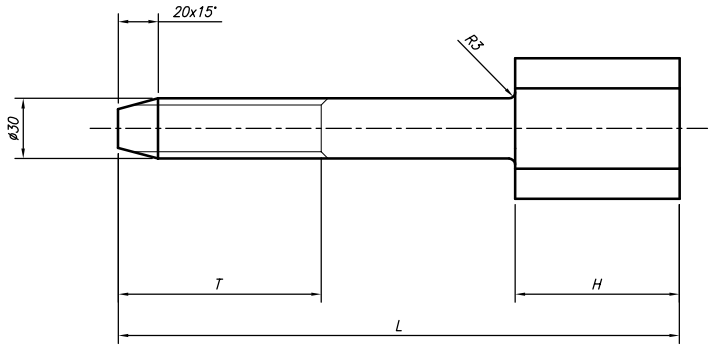
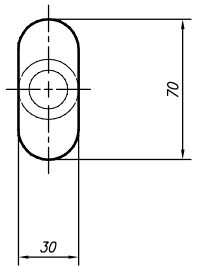


QTY	ITEM	L	T	H	LOCALITY	COMM CODE No.
384	1	242	115	70	SHELL LINER	56-03-0055/4
24	2	381	115	95	END LINER 1st CIRCLE	56-03-0056/2
24	3	343	115	95	END LINER 2nd CIRCLE	56-03-0057/0
48	4	305	115	82	END LINER 3rd CIRCLE	56-03-0059/6
48	5	260	115	70	END LINER 4th CIRCLE	56-03-0058/3

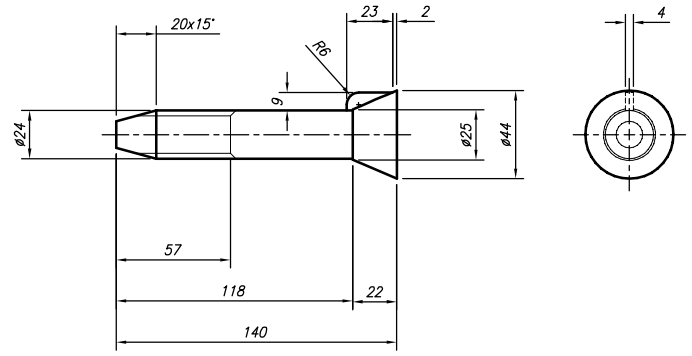
ROD MILL LINER BOLT





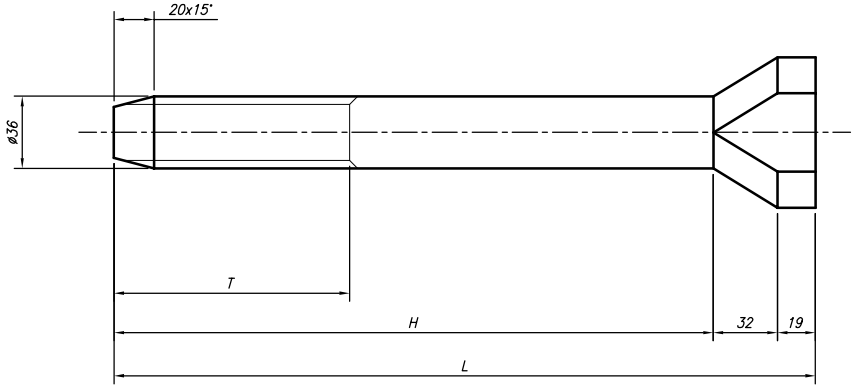
QTY	ITEM	L	T	H	LOCALITY	COMM CODE No.
24	1	190	89	63	END LINER	56-07-0062/3
120	2	230	100	82	SHELL LINER	56-07-0063/1

ROD MILL LINER BOLT
(PILOT PLANT)



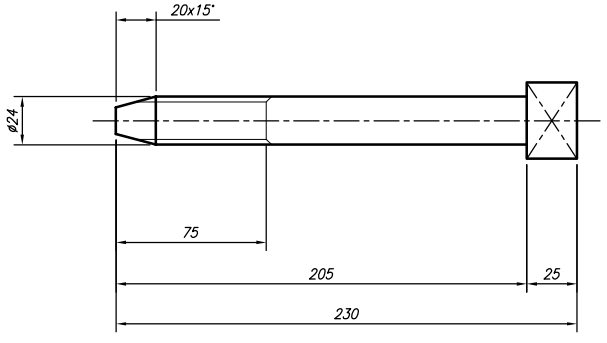
BALL MILL PAN LINER BOLT
(PILOT PLANT)

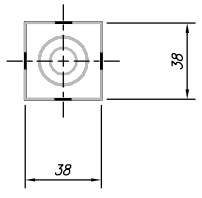
COMM CODE No. 56-06-0061/1
16 REQ'D



QTY	ITEM	L	T	H	LOCALITY	COMM CODE No.
12	1	605	152	552	CLAMPING BAR	56-04-0066/3
12	2	470	152	419	CLAMING BAR	56-04-0065/5
320	3	220	125	169	BARREL LINER	56-04-0063/9
4	4	385	125	334	DOOR LINER	56-04-0064/7
60	5	275	100	223	FEED END	56-04-0061/3

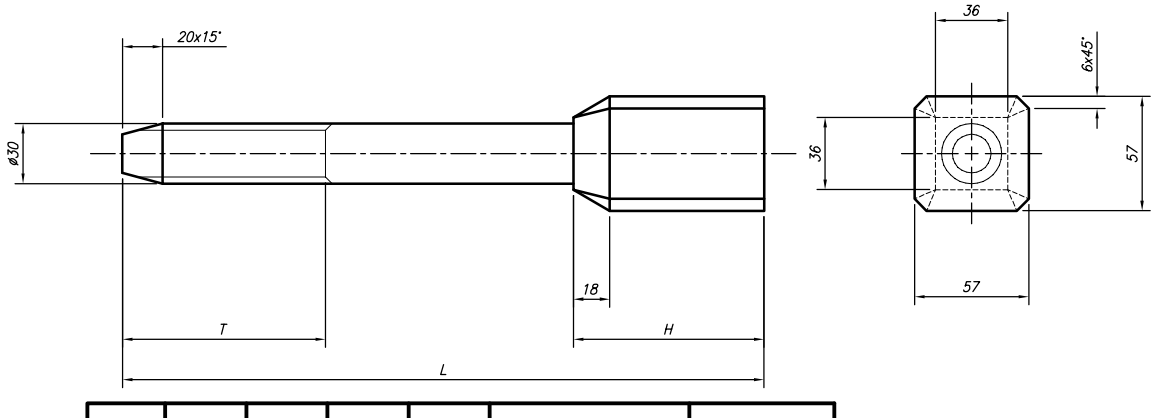
BALL MILL CLAMPING BAR BOLT





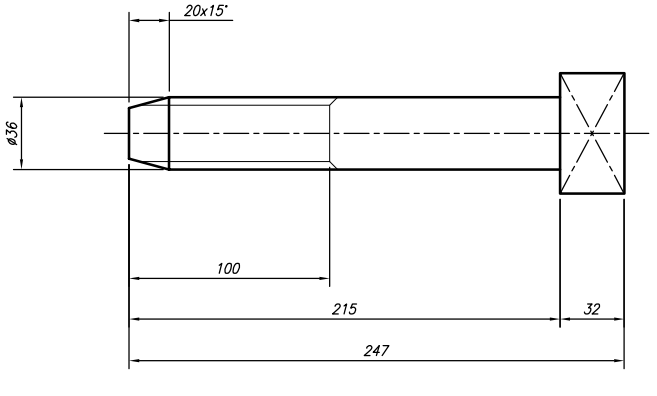
BALL MILL PAN LINER BOLT

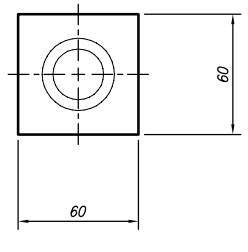
COMM CODE No. 56-04-0062/1
REQ'D 36 OFF



QTY	ITEM	L	T	H	LOCALITY	COMM CODE No.
16	1	220	100	54	FEED END LINER	56-06-0062/9
34	2	225	108	95	SHELL LINER	56-06-0063/7
16	3	285	115	54	DISCHARGE END LINER	56-06-0064/5

BALL MILL LINER BOLT
(PILOT PLANT)





MAG REGRIND FILLER RING BOLT

COMM CODE No. 65-03-0060/1
32 REQ'D

BALL MILL STAR- & WEARLINER BOLT

COMM CODE No. 56-04-0069/7
8 REQ'D

NOTE:

1. TOLERANCE ON BOLT LENGTHS TO BE $^{+6}_{-2}$
2. ALL BOLT END CHAMFERS TO BE APPROXIMATLY 20x15°
3. MANUFACTURE BY FORGING
4. MATERIAL TO BE GRADE 3.6

NUMBER	REFERENCE DRAWING

REV	DATE	REVISION	BY	CHK	CHIEF D/MAN	PROJ ENG.	ENVIR CONTR.	LOSS CONTR.	APPRV
18	2004|01|23	STAR/WEARLINER BOLT ADDED	N.J.J.	M.C.	M.C.				J.d.S.

UNLESS THIS DRAWING/LATEST REVISION HAS BEEN CHECKED, APPROVED AND SIGNED, IT MUST NOT BE USED FOR PURCHASING OR CONSTRUCTION PURPOSES.

PALABORA MINING COMPANY LTD.
P.O. BOX 65 PHALABORWA NORTHERN PROVINCE RSA

CONCENTRATOR
ROD & BALL MILLS
DETAILS OF LINER BOLTS

DRAWN	N.J.Jacobs	DATE	2004|01|23	CHK'D		DESIGNED		REQUESTED	

SHEET SIZE	SCALE	JOB NO	DRAWING NUMBER	REV
A1	1:2	11770	PMC 21 - 429	18