

TABLES FOR CALCULATING OFF-SET HEAD SETTINGS FOR OVALS  
OCTOBER 1968

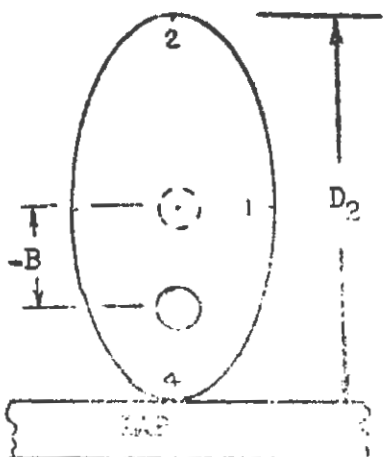


Fig. 1 Positions for cutting the Major Diameter  $D_2$ . Note true machine center is below the dop center.

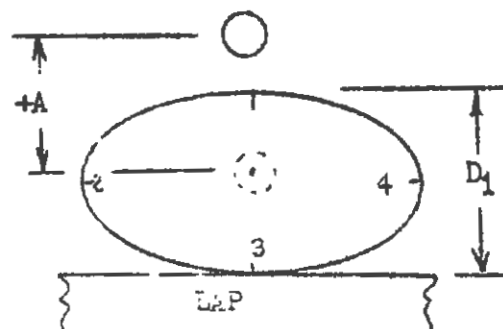


Fig. 2 Positions for cutting the Minor Diameter  $D_1$ . Note true machine center is above the dop center.

Minor Diameter $D_1$ mm	OVAL PROPORTIONS											
	4 x 5		5 x 6		5 x 7		6 x 7		6 x 8		6 x 9	
	A	B	A	B	A	B	A	B	A	B	A	B
4	*0.7	*1.2	0.8	0.6	1.4	1.4	0.4	0.7	0.8	1.0	2.1	1.6
5	0.9	1.4	*1.0	*0.8	*1.8	*1.8	0.5	0.8	1.0	1.3	2.6	1.9
6	1.0	1.7	1.2	0.9	2.1	2.1	*0.6	*1.0	*1.2	*1.6	*3.2	*2.3
7	1.2	2.0	1.4	1.1	2.5	2.5	0.7	1.2	1.4	1.8	3.7	2.6
8	*1.4	*2.3	1.6	1.2	2.8	2.8	0.8	1.3	1.6	2.1	4.2	3.0
9	1.6	2.6	1.8	1.4	3.2	3.2	0.9	1.5	1.8	2.3	4.7	3.4
10	1.8	2.9	*2.0	*1.6	*3.6	*3.5	1.0	1.7	2.0	2.6	5.2	3.8
11	1.9	3.2	2.2	1.7	3.9	3.8	1.1	1.8	2.2	2.8	5.8	4.2
12	*2.1	*3.4	2.4	1.9	4.3	4.2	*1.2	*2.0	*2.4	*3.1	*6.3	*4.5
13	2.3	3.7	2.6	2.0	4.6	5.6	1.4	2.2	2.6	3.4	6.8	4.9
14	2.4	4.0	2.8	2.2	5.0	4.9	1.4	2.3	2.8	3.6	7.4	5.3
15	2.6	4.3	*2.0	*2.3	*5.2	*5.3	1.6	2.5	3.0	3.9	7.9	5.7
16	2.8	4.6	3.2	2.5	5.7	5.6	1.7	2.7	3.2	4.2	8.4	6.0
17	3.0	4.9	3.4	2.6	6.0	6.0	1.8	2.8	3.4	4.4	8.9	6.4
18	3.2	5.1	3.6	2.8	6.4	6.3	*1.9	*3.0	*3.5	*4.7	*9.4	*6.8
19	3.3	5.4	3.8	1.9	6.7	6.7	2.0	3.2	2.7	4.9	10.0	7.2
20	3.5	5.7	*4.0	*3.1	*7.1	*7.0	2.1	3.3	3.9	5.2	10.5	7.5

\* Indicates usual commercial stone sizes

All tabled values are millimeters (mm)