

Vipros 357 Queen with 18PC Programming Limits



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Table of Contents

Programmable Travel Limits3

Axis Speeds4

 Table Speed Punching Mode.....4

 Table Speed Interpolation Mode.....4

 Turret Rotation Speed.....4

 Auto Index Rotation Speed4

 Punching Speed.....4

Punch Confirmation Area / Punching Dead Zone.....5

 Definitions5

 Punch Confirmation Area6

 Punching Dead Zone.7

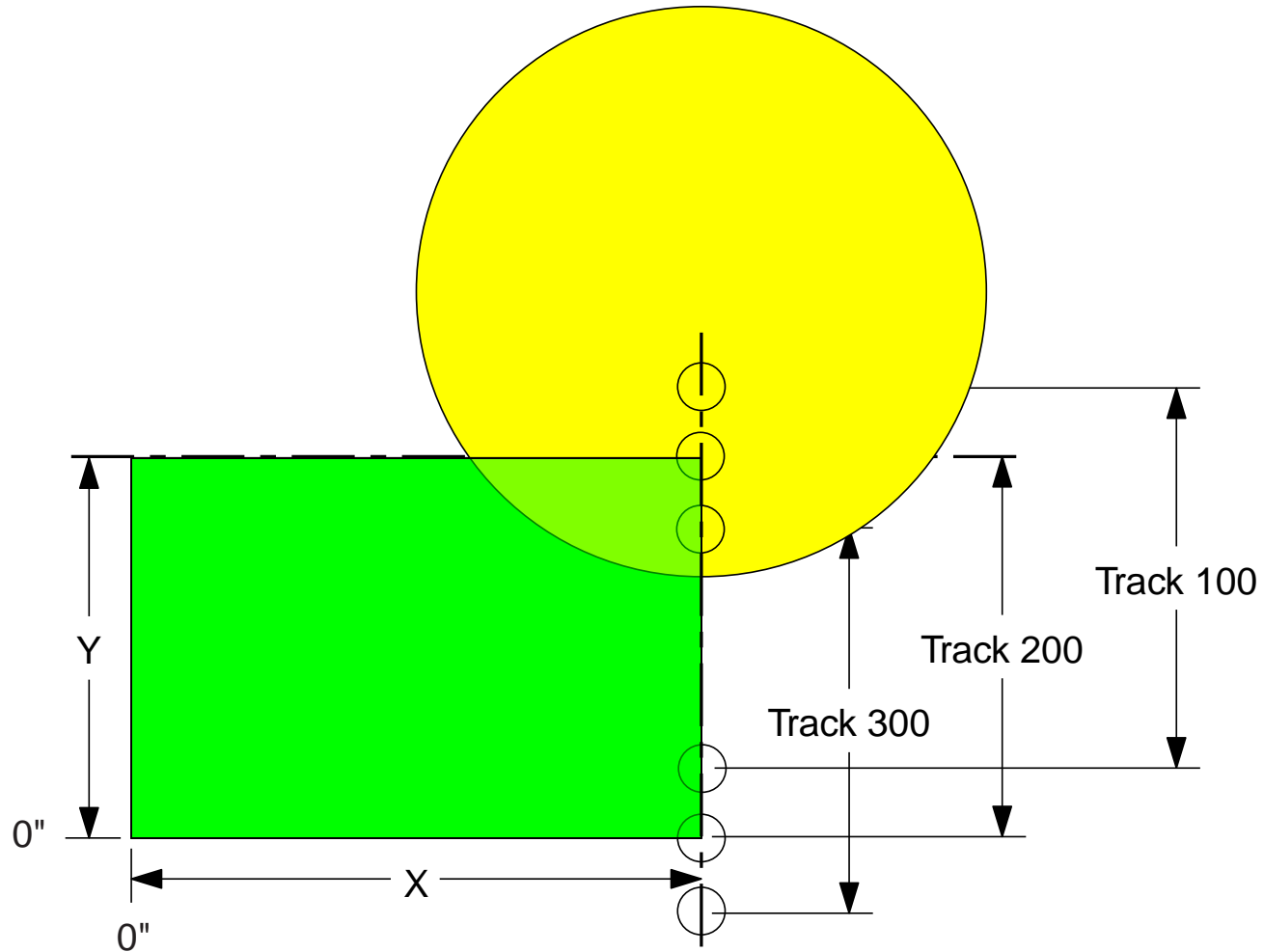
Material Clamp Locations.....8

Reposition Holddown Locations9

Work Chute / Trap Door (ball transfer table only)10

58 Station Turret11

Programmable Travel Limits



Y-axis Programmable Distance By Track Numbers

| Origin Statement | | X-axis Movable Distance | Y-axis Programmable Distance By Track Numbers | | |
|------------------|---------------|-------------------------|---|---------------------------|--------------------------|
| X-axis Origin | Y-axis Origin | | Inner Track 100 Stations | Center Track 200 Stations | Outer Track 300 Stations |
| 72.000" | 50.000" | -.394" to 72.441" | 1.181" to 51.579" | -.394" to 50.000" | -1.969" to 48.425" |

Axis Speeds

Table Speed Punching Mode

F1 = X 2,559. IPM Y 1,968. IPM

F2 = X 1,919. IPM Y 1,476. IPM

F3 = X 1,279. IPM Y 984. IPM

F4 = X 639. IPM Y 492. IPM

Table Speed Interpolation Mode

G00 max. = X 2,559. IPM Y 1,968. IPM

G01 max. = 300. IPM

G02 max. = 300. IPM

G03 max. = 300. IPM

Turret Rotation Speed

30 RPM

Auto Index Rotation Speed

60 RPM

Punching Speed

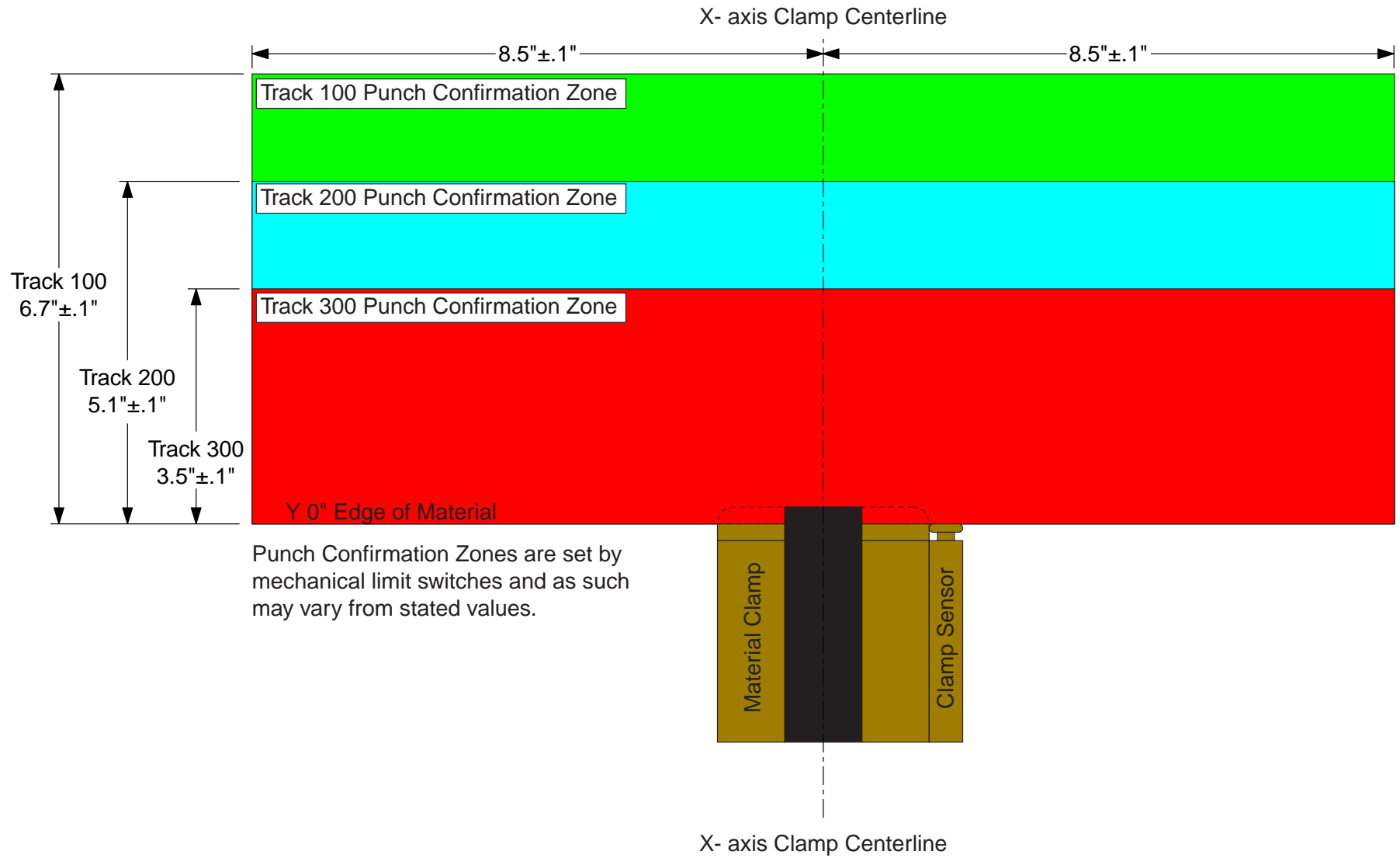
| | Pitch | Stroke | Stroke Rate |
|-------------------|--------|--------|-------------|
| Stroke Rate (X/Y) | 0.079" | 0.118" | 520/420 |
| | 0.079" | 0.236" | 360/360 |
| | 0.315" | 0.315" | 275/275 |
| | 1.000" | 0.315" | 275/240 |

Punch Confirmation Area / Punching Dead Zone.

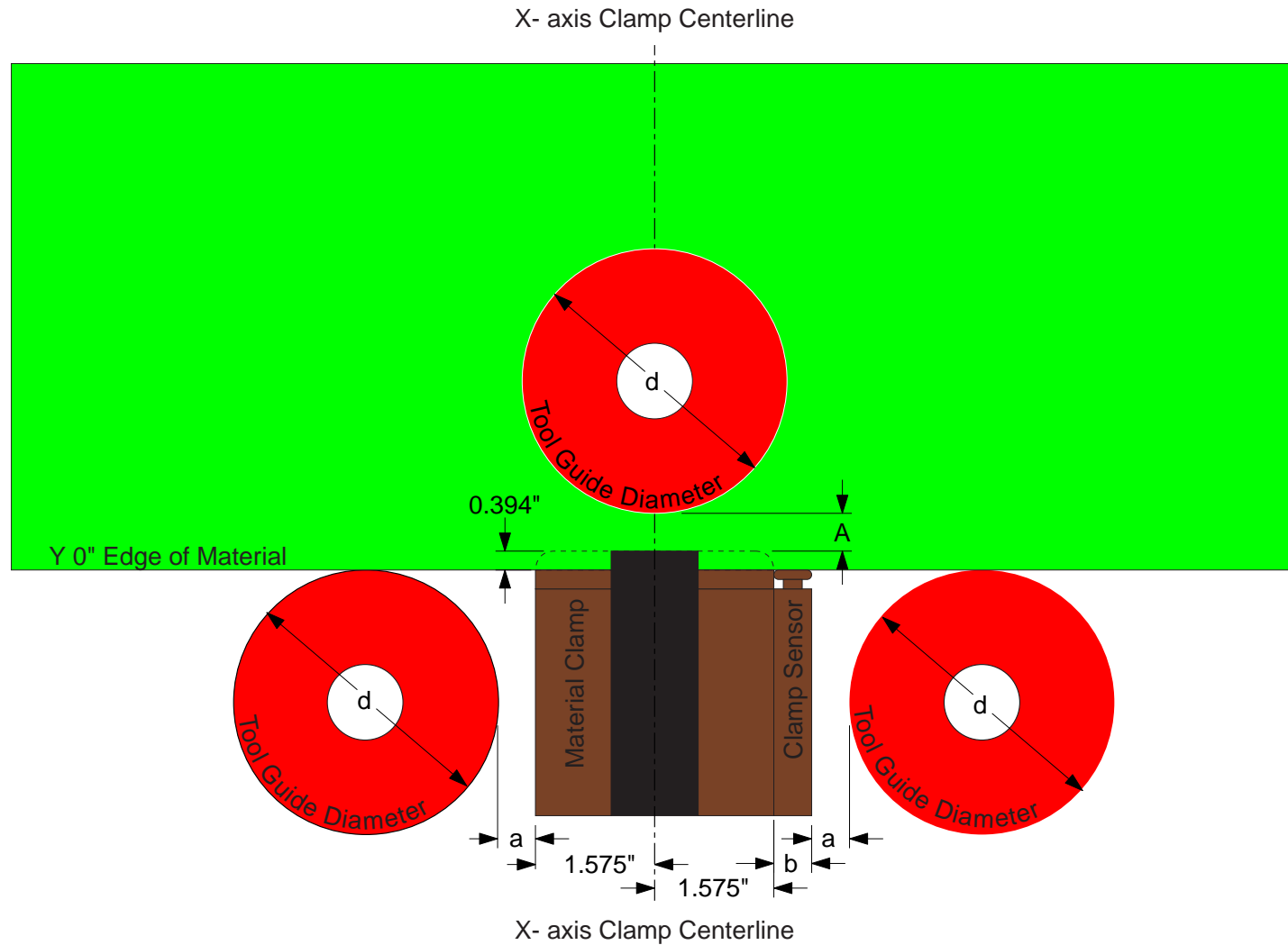
Definitions

- Confirmation Zone = An area that when the confirmation switch is in the on position or it is the first run of the part program the operator must confirm the punch by pressing the confirmation pushbutton.
- Punch Dead Zone = An area that when the confirmation switch is in the on position or it is the first run of the part program the operator must confirm the punch by pressing the confirmation pushbutton. Punching in this area with standard tools may damage the material, material clamp, tool, other machine components and may cause operator injury.
- Y-Overtravel Zone = An area that exceeds the travel limits of the machine.

Punch Confirmation Area



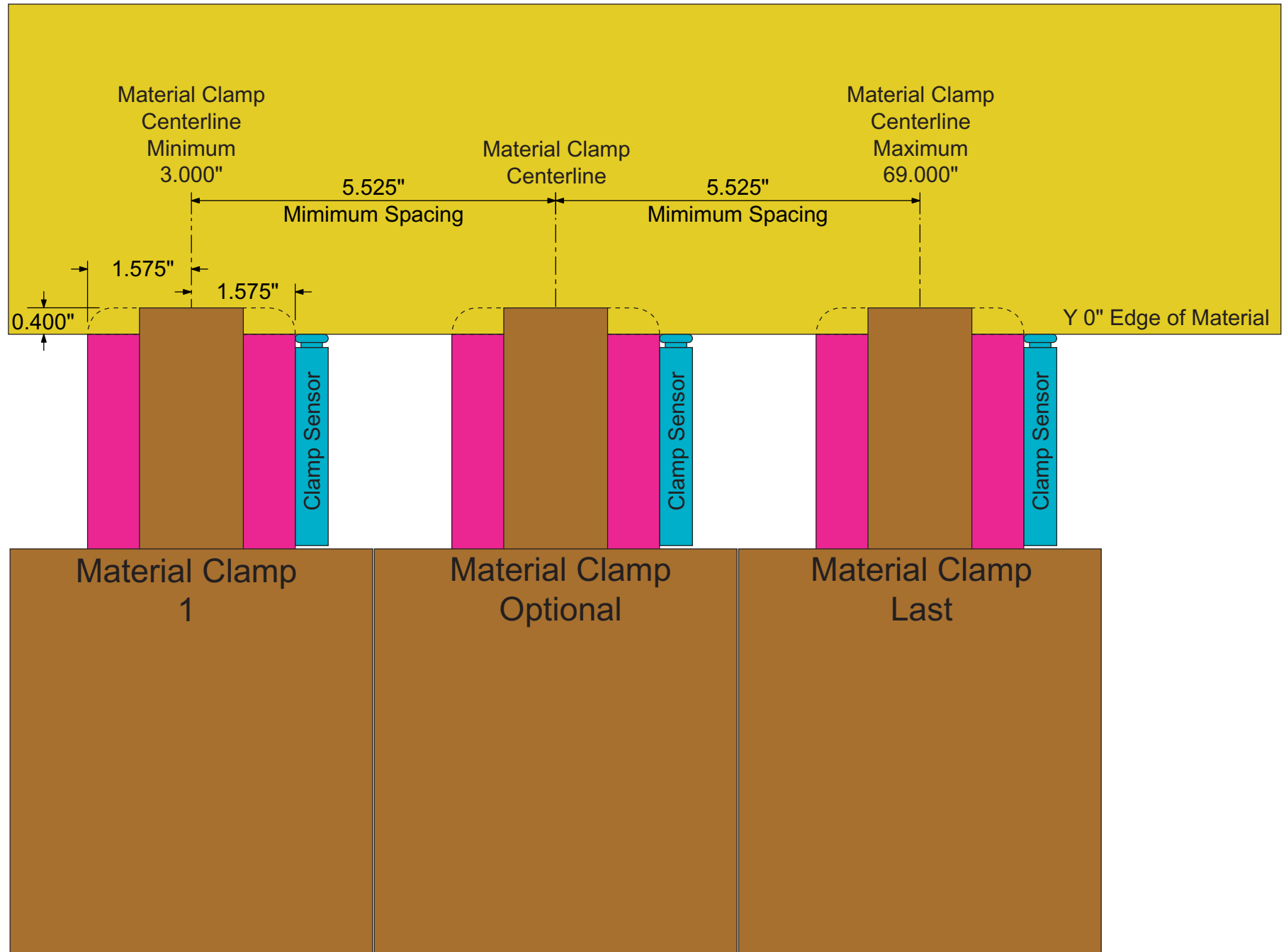
Punching Dead Zone.



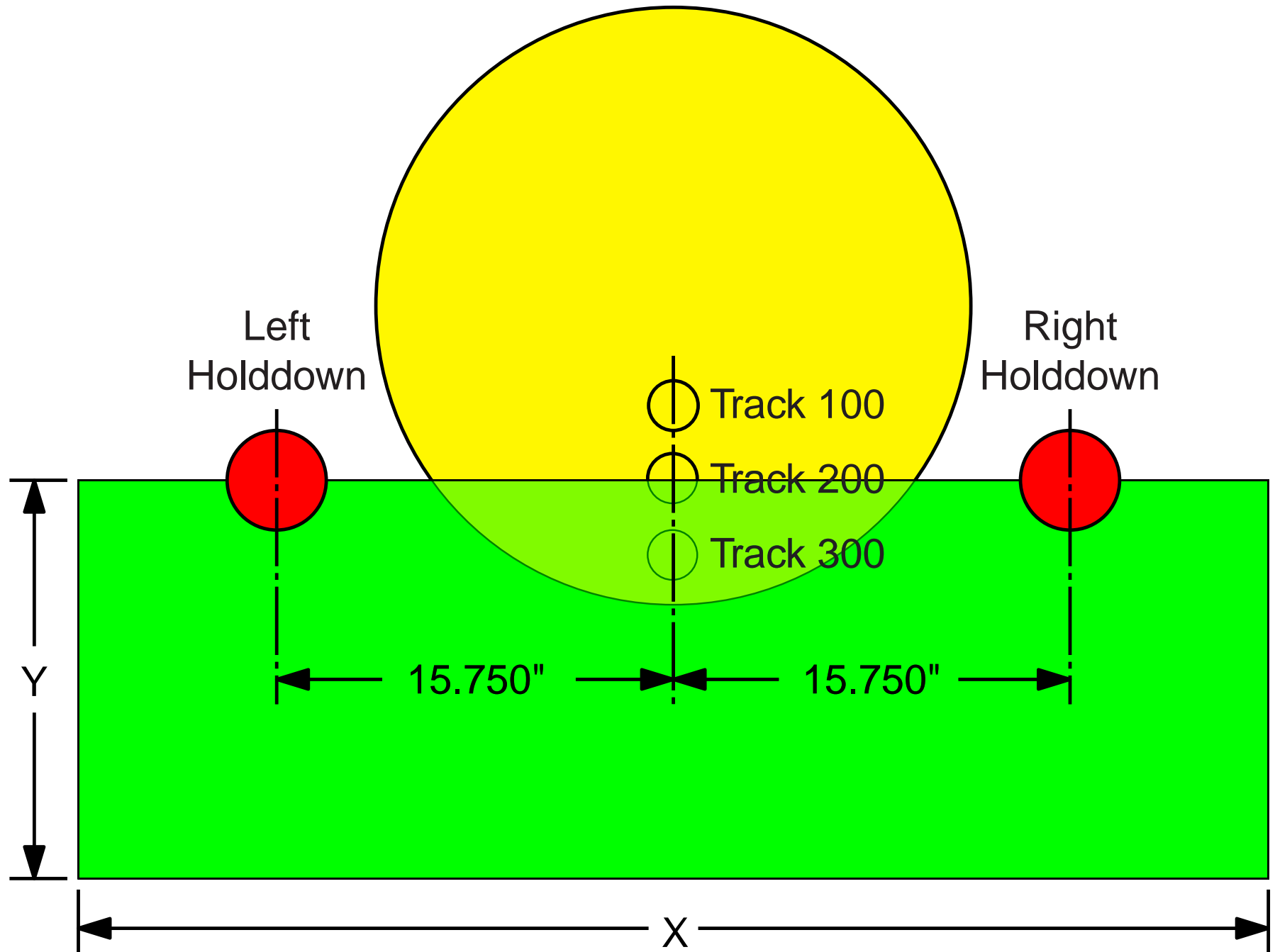
| | | |
|--|---------------------------|--------------------------------------|
| Punching Dead Zones "The punch will contact the material clamp when programmed to punch in the area described by the following calculations". | | |
| X-axis | To the left of the clamp | Clamp position -1.575" - a - d/2 |
| | To the Right of the clamp | Clamp position +1.575" + a + b + d/2 |
| Y-axis | .394" + a + d/2 | |

| | | |
|----|----------------|--------|
| b= | .500" | |
| a= | .500" | |
| d= | Station Size A | 1.020" |
| | B | 1.883" |
| | C | 3.500" |
| | D | 4.938" |
| | E | 6.250" |

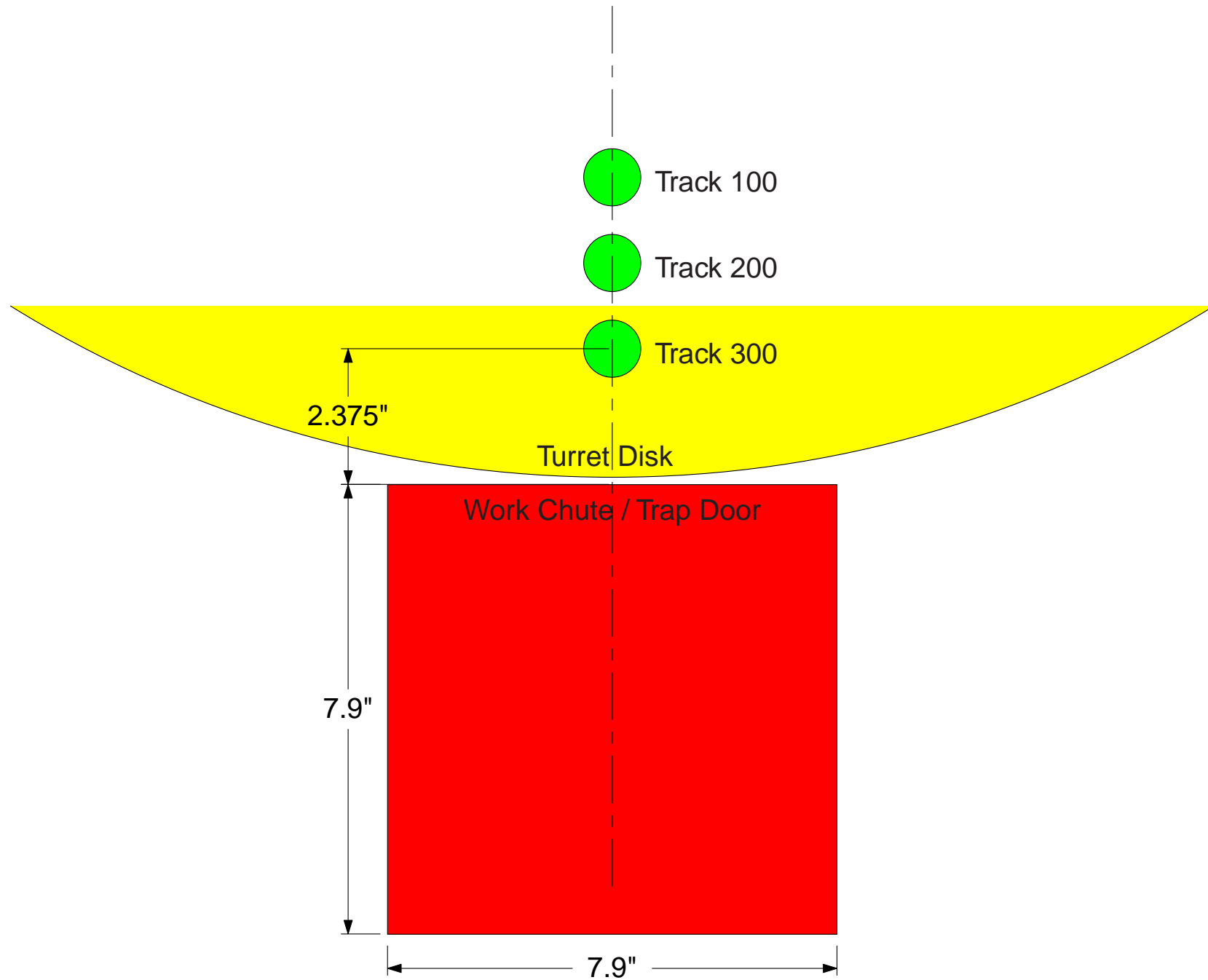
Material Clamp Locations



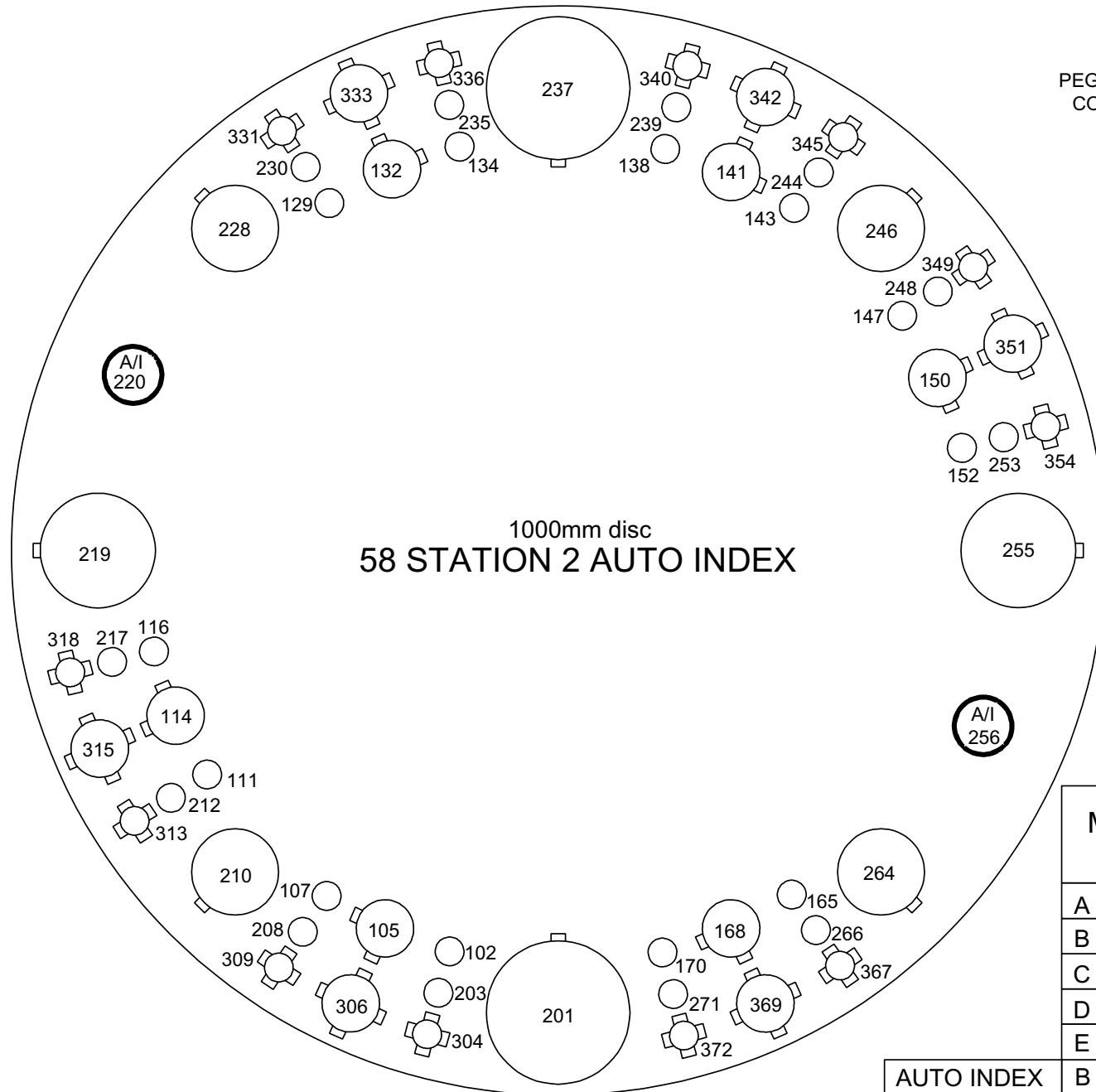
Reposition Holddown Locations



Work Chute / Trap Door (ball transfer table only)



58 Station Turret



PEGA 345, PEGA 345 King, PEGA 357, PEGA 367
 COMA 555, COMA 557, COMA 567, COMA 588
 VIPROS 345, VIPROS 357, VIPROS 367
 VIPROS 357 Queen, VIPROS 367 Queen

| | MAXIMUM SIZE ROUND | NUMBER OF STATIONS (KEYED) | |
|-------------------|--------------------|----------------------------|---------|
| A | 1/2" (12.7mm) | 36 (12) | |
| B | 1 1/4" (31.7mm) | 12 (12) | |
| C | 2" (50.8mm) | 4 (4) | |
| D | 3 1/2" (88.9mm) | 2 (2) | |
| E | 4 1/2" (114.3mm) | 2 (2) | |
| AUTO INDEX | B | 1 1/4" (31.7mm) | 2 (2) |