| Turn or River Probability |  |
| :---: | :---: |
| Number of Outs | Probability |
| 1 | 4.3\% |
| 2 | 8.4\% |
| 3 | 12.5\% |
| 4 | 16.5\% |
| 5 | 20.4\% |
| 6 | 24.1\% |
| 7 | 27.8\% |
| 8 | 31.5\% |
| 9 | 35\% |
| 10 | 38.4\% |
| 11 | 41.7\% |
| 12 | 45\% |
| 13 | 48.1\% |
| 14 | 51.2\% |
| 15 | 54.1\% |
| 16 | 57\% |
| 17 | 59.8\% |
| 18 | 62.4\% |
| 19 | 65\% |
| 20 | 67.5\% |
| 21 | 69.9\% |

## Betting Tips

Preflop
Standard Raise is 3 BB. Add 1 BB for each limper in front of you

## Post Flop

Single Caller
Non-drawing Flop: 1/2 pot
Drawing Flop: $3 / 4$ pot
Multiple Callers
Do not Bluff
$3 / 4$ pot if you hit the flop

| Position |  |  |
| :---: | :---: | :---: |
| Number | Name | EML |
| 0 | Dealer / Button | L |
| 1 | Small Blind | E |
| 2 | Big Blind | E |
| 3 | Under The Gun | E |
| $\ldots$ | Hijack | M |
| -2 | Cutoff | L |
| -1 |  | L |

EML: Early, Middle, Late position.
Early = weak position
Late $=$ strong position

| Starting Hands |  |
| :---: | :---: |
| Position | Hands |
| Under the Gun | 88+, ATs+, KJs+, AQo+ |
| Middle | 77+, A8s+, K9s+, QTs+, JTs, ATo+, KQo |
| Hijack | 66+, A7s+, A5s-A4s, K9s+, QTs, JTs, ATo+, KJo+ |
| Cut-Off | $\begin{gathered} 44+, \text { A2s+, K9s+, Q9s+, J9s+, T8s+, 98s, 87s, ATo+ } \\ \text { KTo+, QTo+ } \end{gathered}$ |
| Button | $\begin{gathered} 22+, \text { A2s+, K7s+, Q8s+, J8s+, T8s+, 97s+, } 86 \mathrm{~s}+, 54 \mathrm{~s}+, \\ \text { A9o+, KTo+, QTo+, J9o+, T9o } \end{gathered}$ |
| Small <br> Blind | $22+$ A2s+, KTs+, QTs+, JTs+, A2o+, KTo+, QTo+, JTo+ |

## Re-Raise In Position Post Flop

| Opponent Position | Re-Raise Hands |
| :---: | :---: |
| Under the Gun | JJ+, AKs,AKo |
| Under the Gun +1 | JJ+, AKs, AKo |
| Under the Gun +2 | TT+, AQs+, AKo |
| Middle Position | TT+, AQs+, AQo+ |
| Hijack | $99+$, AJs+, AQo+ |
| Cut-Off | $77+$, ATs+, ATo+, KQs |
| Small Blind | $55+$, A8s+, A90+ |

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Published 30th January, 2017. Last updated 2nd February, 2017.
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| Re-Raise Out of Position Post Flop |  |
| :---: | :---: |
| Opponent's Position | Reraise Hands |
| Under the Gun | QQ+ |
| Under the Gun +1 | $\mathrm{JJ}+$, AKs |
| Under the Gun +2 | $\mathrm{JJ}+$, AKs, AKo |
| Middle Position | $\mathrm{JJ}+$, AQs+, AKo |
| Hijack | TT=, AQs+, AKo |
| Cut-Off | $99+$, AJs+, AQo+ |
| Button | $88+$, ATs+, AJo+ |


| Hands to Fold |  |
| :---: | :---: |
| Opponent Raise <br> Position | Hands to Fold |
| Under the Gun or Under the Gun +1 | $\begin{gathered} \text { AQs - A2s, K9s+, Q9s+, J9s+, T9s, AQo- } \\ \text { A2o, K9o+, Q9o+, J9o+, T9o } \end{gathered}$ |
| Under the Gun +2 | $\begin{gathered} \text { AJs-A2s, K9s+, Q9s+, J9s+,T9s+, AQo- } \\ \text { A2o, K9o+, Q9o+, J9o+, T9o } \end{gathered}$ |
| Middle Position | $\begin{gathered} \text { AJs-A2s, K9s+, Q9s+, J9s+, T9s, AJo-A2o, } \\ \text { K9o+, Q9o+, J9o+, T9o } \end{gathered}$ |
| Hijack | $\begin{aligned} & \text { ATs-A2s, K9s+, Q9s+, J9s+, T9s, A9o-A2o, } \\ & \text { K9o+, Q9o+, J9o+, T9o } \end{aligned}$ |
| Cut-Off | A9s-A2s, KJs-K9s, Q9s+, J9s+, T9s, A9o- <br> A20, K90+, Q90+, J90+, T9o |
| Button | A7s-A2s, KJs-K9s, Q9s+, J9s+, T9s, A8oA20, K90+, Q90+, J90+, T9o |

## Hands to Fold

## Position

Under the Gun or
Under the Gun +1
AJs-A2s, K9s+, Q9s+, J9s+,T9s+, AQo-
,

| Push /Fold 10 big blinds |  |  |
| :---: | :---: | :---: |
| Players | With Antes | Without Antes |
| 8 | $\begin{gathered} 33+\text {, A8s+, A5s, AJo+, } \\ \text { K9s+, KQo, QTs+, JTs, } \\ \text { T9s } \end{gathered}$ | $\begin{gathered} \text { 99+, ATs+, A5s, AJo, KTs+, } \\ \text { QTs+ } \end{gathered}$ |
| 7 | $\begin{gathered} \text { 22+, A8s+, A5s, ATo+, } \\ \text { K9s+, KQo+, Q9s+, J9s+, } \\ \text { T9s } \end{gathered}$ | $\begin{aligned} & \text { 88+, A9s+, A5s, AJo, KTs+. } \\ & \text { KQo, QTs+, JTs } \end{aligned}$ |
| 6 | $\begin{gathered} 22+, \text { A8s+ A5s, A4s, } \\ \text { ATo+, K9s+, KJo+, Q9s+, } \\ \text { QJo, J9s+, T9s } \end{gathered}$ | 44+, A9s+, A5s, AJo+, K9s+, KQo, QTs+, JTs |
| 5 | $\begin{gathered} 22+, \text { A2s+, A9o+, K8s+ }, \\ \text { KJo+, Q9s+, QJo, J8s+, } \\ \text { JTo, T8s+, 98s } \end{gathered}$ | $\begin{gathered} \text { 22+, A8s+, A5s, ATo+, } \\ \text { K9s+, KQo, Q9s+, J9s+, T9s } \end{gathered}$ |
| 4 | $\begin{gathered} 22+, \text { A2s+, A5o+, K7s+, } \\ \text { KTo+, Q8s+, QTo+, J8s+, } \\ \text { JTo, T8s+, 98s, 87s } \end{gathered}$ | $\begin{gathered} 22+, \text { A7s+, a5s, A4s, A3s, } \\ \text { ATo+, K8s+, KJo+, Q8s+, } \\ \text { QJo, J8s+, T8s+, 98s } \end{gathered}$ |
| 3 | 22+, Ax+, K6s+, KTo+, Q8s+, QTo+, J8s+, JTo, T7s+,97s+, 87s, 76s | $\begin{gathered} 22+, \text { A2s+, A7o+, A5o, } \\ \text { K7s+, KTo+, Q8s+, QTo+, } \\ \text { J8s+, JTo, T8s+, 98s, 87s } \end{gathered}$ |
| 2 | $\begin{gathered} 22+, \mathrm{Ax}+, \mathrm{K} 2 \mathrm{~s}+, \mathrm{K} 8 \mathrm{o}^{+}, \\ \text {Q6s+, Q9o+, } \mathrm{J7s}+, \text { J9o+, } \\ \text { T7s+, } \mathrm{T} 9 \mathrm{o}, 96 \mathrm{~s}+, 86 \mathrm{~s}+ \\ 75 \mathrm{~s}+, 65 \mathrm{~s} \end{gathered}$ | $\begin{aligned} & \text { 22+, Ax+, K5s+, KTo+, } \\ & \text { Q8s+, QTo+, J8s+, JTo, } \\ & \text { T8s+, 97s+, 87s, 76s } \end{aligned}$ |
| SB | $\begin{gathered} 22+, \text { Qx+, J2s+, J6o+, } \\ \text { T2s+, T7o+, 94s+, 97o+, } \\ 84 \mathrm{~s}^{+}, 86 \mathrm{o}^{+}, 74 \mathrm{~s}^{+}, 76 \mathrm{o} \\ 63 \mathrm{~s}^{+}, 53 \mathrm{~s}+, 43 \mathrm{~s}^{+} \end{gathered}$ | $\begin{gathered} 22+, \text { Kx+, Q2s+, Q8o+, } \\ \text { J3s+, J8o+, T4s+, T8o+, } \\ 95 \mathrm{~s}+, 97 \mathrm{o}^{+}, 85 \mathrm{~s}^{+}, 87 \mathrm{o} \\ 74 \mathrm{~s}+, 76 \mathrm{o}, 64 \mathrm{~s}^{+}, 53 \mathrm{~s}+ \end{gathered}$ |

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