



## Block Pro Blackjack Progressive

Block Pro is very easy to play and delivers a fun and very rewarding progressive side-bet to traditional Blackjack.

The game doesn't deviate from existing blackjack procedures, making it very fast to learn and play. The aim of the side-bet is to wager on the outcome of the players first two cards and the dealer's hole card.

### Playing The Game

- 1: Block Pro Blackjack Progressive is a progressive side bet, which may be added to any blackjack game.
- 2: Standard procedures for traditional Blackjack apply
- 3: A player may place a Block Pro Blackjack Progressive wager on any box on which the player has placed a blackjack wager.
- 4: Block Pro Blackjack Progressive wagers must be placed before any cards in the round of play are dealt.
- 5: Block Pro Blackjack Progressive must be paid as per the displayed pay table
- 6: After each player has been dealt the first 2 cards, and the dealer has been dealt their hold card all payouts are made to players who has a winning Block Pro Blackjack Progressive wager.
- 7: The dealer then goes on to deal with each player in the usual way for Blackjack.

The following are the possible wins.

- **Triple Aces:** Player's first two cards, and dealer's hole card, are all aces of the same suit.
- **Triple Royal:** Player's first two cards, and dealer's hole card, are all the same royal face card (J, Q or K) and the same suit.
- **Triple:** Player's first two cards, and dealer's hole card, are all the same rank of 2 through to 10 and the same suit.
- **Pair:** Player's first two cards and dealer's hole card are all the same suit, and player's first two cards form a pair.
- **Flush:** Player's first two cards and dealer's hole card are all the same suit.

The jackpot meter shall be seeded at \$2,000. Either 65% or 70% of money bet shall be added to the jackpot meter, according to the choice of casino management. All wins should be deducted from the jackpot meter. The number of decks can be 5, 6, or 8.



### Game Play ↓

- An enjoyable alternative to existing Blackjack bets
- Optional Side Bet with progressive payouts
- Does not require the main game rules to be changed.
- A simple bet that is very easy to explain and understand.
- Play against the house
- Very low cost and easy to introduce to a casino floor
- Layouts fit standard Blackjack tables

### Pay Table ↓

Hand	Pays
Triple Aces	100% of jackpot meter
Triple Royal	20% of jackpot meter
Triple	10% of jackpot meter
Pair	50 to 1
Flush	5 to 1



### Examples:

**Triple Aces:** Player has A♠, A♠ + Dealer has A♠

**Triple Royal:** Player has Q♠, Q♠ + Dealer has Q♠

**Triple:** Player has 4♠, 4♠ + Dealer has 4♠

**Pair:** Player has J♠, J♠ + Dealer has 8♠

**Flush:** Player has K♠, 5♠ + Dealer has 7♠,  
or

Player has J♠, 8♠ + Dealer has J♠

## Mathematical Analysis

### House Edge

The following tables show the probabilities and average win according to the contribution rate (65% or 70%) and the number of decks (5, 6, or 8). The lower right cells show the expected return. For example, in table 1 the expected return is 67.76%.

Regardless of the contribution rate, the cost of reseeding the meter shall be 2.76% for 5 decks, 3.19% for 6 decks, and 3.76% for 8 decks.

**Table 1 - 65% Contribution - 5 Decks**

Event	Pays	Average Win	Combinations	Probability	Return
Triple Aces	100%	6231.53	40	0.000014	0.086082
Triple Royal	20%	1246.31	120	0.000041	0.051649
Triple	10%	623.15	360	0.000124	0.077474
Pair	50	50.00	10400	0.003592	0.179582
Flush	5	5.00	163800	0.056568	0.282841
Lose	0	0.00	2720900	0.939661	0.000000
<b>Total</b>			<b>2895620</b>	<b>1</b>	<b>0.677628</b>

**Table 2 - 65% Contribution - 6 Decks**

Event	Pays	Average Win	Combinations	Probability	Return
Triple Aces	100%	5299.69	80	0.000016	0.084570
Triple Royal	20%	1059.94	240	0.000048	0.050742
Triple	10%	529.97	720	0.000144	0.076113
Pair	50	50.00	18720	0.003734	0.186703
Flush	5	5.00	284544	0.056758	0.283788
Lose	0	0.00	4709016	0.939301	0.000000
<b>Total</b>			<b>5013320</b>	<b>1</b>	<b>0.681915</b>



### Table 3 - 65% Contribution - 8 Decks

Event	Pays	Average Win	Combinations	Probability	Return
Triple Aces	100%	4404.90	224	0.000019	0.082831
Triple Royal	20%	880.98	672	0.000056	0.049699
Triple	10%	440.49	2016	0.000169	0.074548
Pair	50	50.00	46592	0.003911	0.195565
Flush	5	5.00	678912	0.056993	0.284966
Lose	0	0.00	11183744	0.938851	0.000000
<b>Total</b>			<b>11912160</b>	<b>1</b>	<b>0.687609</b>

### Table 4 - 70% Contribution - 5 Decks

Event	Pays	Average Win	Combinations	Probability	Return
Triple Aces	100%	7679.34	40	0.000014	0.106082
Triple Royal	20%	1535.87	120	0.000041	0.063649
Triple	10%	767.93	360	0.000124	0.095474
Pair	50	50.00	10400	0.003592	0.179582
Flush	5	5.00	163800	0.056568	0.282841
Lose	0	0.00	2720900	0.939661	0.000000
<b>Total</b>			<b>2895620</b>	<b>1</b>	<b>0.727628</b>

### Table 5 - 70% Contribution - 6 Decks

Event	Pays	Average Win	Combinations	Probability	Return
Triple Aces	100%	6553.02	80	0.000016	0.104570
Triple Royal	20%	1310.60	240	0.000048	0.062742
Triple	10%	655.30	720	0.000144	0.094113
Pair	50	50.00	18720	0.003734	0.186703
Flush	5	5.00	284544	0.056758	0.283788
Lose	0	0.00	4709016	0.939301	0.000000
<b>Total</b>			<b>5013320</b>	<b>1</b>	<b>0.731915</b>

### Table 6 - 70% Contribution - 8 Decks

Event	Pays	Average Win	Combinations	Probability	Return
Triple Aces	100%	5468.49	224	0.000019	0.102831
Triple Royal	20%	1093.70	672	0.000056	0.061699
Triple	10%	546.85	2016	0.000169	0.092548
Pair	50	50.00	46592	0.003911	0.195565
Flush	5	5.00	678912	0.056993	0.284966
Lose	0	0.00	11183744	0.938851	0.000000
<b>Total</b>			<b>11912160</b>	<b>1</b>	<b>0.737609</b>