

## Double Twist Blackjack

Exhibit A

14 017

**Rules: Standard Blackjack Rules Will Apply.**

Blackjack Twist offers players two chances to win a bonus payout during a single round of play.

**To start the game** players have the option to place a wager in one or both of the blackjack circles, this will determine which blackjack hand the player is wagering on.

Players who have placed a wager on at least one blackjack hand have the option to place a bonus wager on the same blackjack hand in the circle above their blackjack wager marked Blackjack Bonus.

To win a bonus payout players must achieve a pair or higher by using their 2 initial blackjack cards and the 1 dealer up card for a total of 3 cards.

Player(s) are paid based on the highest single payout for a poker hand they achieve according to the pay table listed below or at the blackjack table. The dealer shall collect all non - winning bonus wagers and pay all winning bonus wagers.

Players are only allowed to split ONE time.  
Maximum amount of hands/player: 2 hands.

### Three Card Pay Table

3 Card Royal Flush	40 to1
Straight Flush	30 to1
Three of Kind	20 to1
Straight	4 to1
Flush	3 to1
Pair	1 to1



TABLE LAYOUT  
 ARTWORK PROOF

**New Vision Gaming**

job # 311510  
 Double Twist Blackjack file # 31039  
 proof date: 5-7-15  
 fabric type: 1.5  
 full printed size: 82" X 52"

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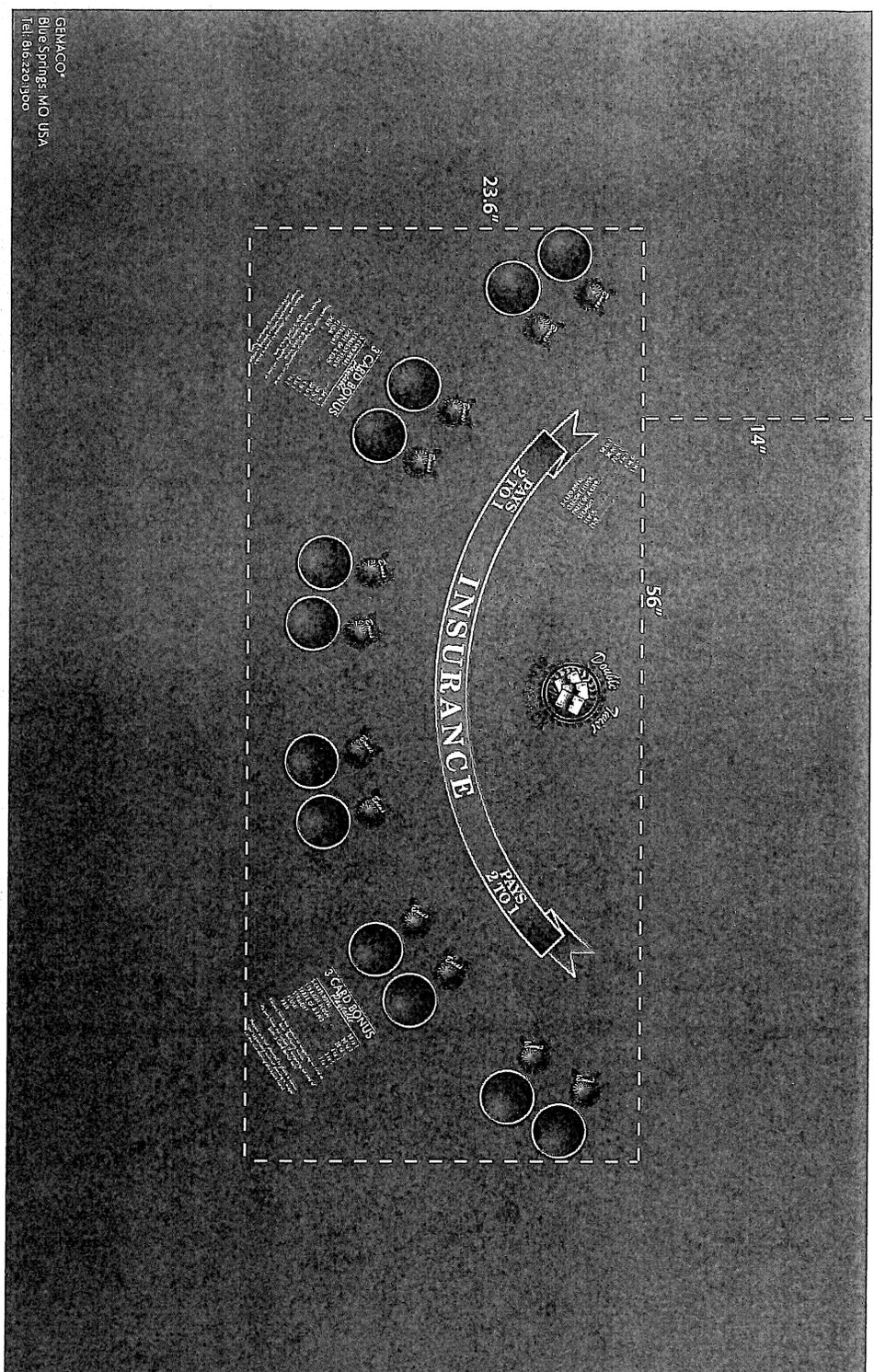
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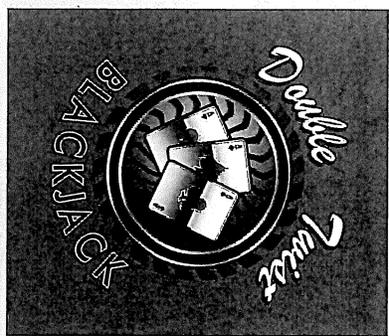
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detail enlarged



**3 CARD BONUS**  
*Paranalle*

3-CARD ROYAL	50 to 1
STRAIGHT FLUSH	30 to 1
THREE OF A KIND	20 to 1
STRAIGHT	4 to 1
FLUSH	3 to 1
PAIR	1 to 1

Players have the option of wagering on one or both BlackJack hands.  
 Players have the option of wagering on one or both 3 Card Bonus bets.

Players are not allowed to place a bonus wager separately without placing a wager on the correlating blackjack hand.

**Gaming Partners International**

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## Three Card Blackjack Sidebet

14 017

**Prepared by:**

This analysis was prepared for John Feola of New Vision Gaming by Elliot Frome of Gambatria. Any questions regarding this analysis should be directed to Gambatria. Gambatria can be reached by phone at 702-834-5930 or by e-mail at gambatria@gmail.com.

**Game Description:**

Three Card Blackjack Sidebet is an optional sidebet for the game of Blackjack. The Player is paid based on the Poker hand that is made by the three (3) cards comprised of the Player's two (2) initial cards plus the Dealer upcard.

Several paytables have been created for Three Card Blackjack Sidebet. Four apply to only a single-deck game, two apply to a 6-deck or 8-deck game and 1 applies only to an 8-deck game. They are shown in the tables below:

Hand	TCBS-01*	TCBS-02*	TCBS-03*	TCBS-04*
Decks	1	1	1	1
3-Card Royal	100	100	50	100
Straight Flush	50	40	40	40
Three of a Kind	30	30	30	30
Straight	5	5	6	6
Flush	4	4	3	3
Pair	1	1	1	1
Payback	97.5023%	95.5113%	92.9050%	93.8100%
House Advantage	2.4977%	4.4887%	7.0950%	6.1900%

\* Payouts are X TO 1

Hand	TCBS-05*		TCBS-06*		TCBS-07*
	6	8	6	8	8
3-Card Royal	50	50	100	100	40
Straight Flush	30	30	30	30	30
Three of a Kind	20	20	20	20	20
Straight	4	4	4	4	4
Flush	3	3	3	3	3
Pair	1	1	1	1	1
Payback	95.6411%	96.3412%	96.5028%	97.2008%	96.1693%
House Advantage	4.3589%	3.6588%	3.4972%	2.7992%	3.8307%

\* Payouts are X TO 1

### Analysis Methodology:

A computer program was used to determine the distribution of 3-Card hands from a standard 52-card deck, a 6-deck shoe and an 8-deck shoe. Using the distributions a theoretical payback can be easily determined by multiplying the frequency of each hand type by its payout and summing up the values.

### Results:

The distribution of 3-Card hands using the ranking in use for Three Card Poker is as follows:

Hand	Frequency	Frequency	Frequency
Decks	1	6	8
3-Card Royal	4	864	2,048
Straight Flush	44	9,504	22,528
Three of a Kind	52	26,312	64,480
Straight	720	155,520	368,640
Flush	1,096	292,896	700,928
Pair	3,744	977,184	2,336,256
Other	16,440	3,551,040	8,417,280
<b>Total</b>	<b>22,100</b>	<b>5,013,320</b>	<b>11,912,160</b>

By multiplying the Frequency of each hand by the payout of each hand, and summing up these values, the overall payback of the sidebet can be calculated. This calculation is shown for each payable/shoe-size combination in the tables below:

Paytable TCBS- 01			
Hand	Frequency	Pays*	Payback
3-Card Royal	4	101	404
Straight Flush	44	51	2,244
Three of a Kind	52	31	1,612
Straight	720	6	4,320
Flush	1,096	5	5,480
Pair	3,744	2	7,488
<b>Total</b>	<b>5,660</b>		<b>21,548</b>

\*Includes the return of the original wager

The payback is calculated as 21,548 divided by 22,100 or 97.5023%. The house advantage is 2.4977%. The win frequency is 25.61%.

Paytable TCBS- 02			
Hand	Frequency	Pays*	Payback
3-Card Royal	4	101	404
Straight Flush	44	41	1,804
Three of a Kind	52	31	1,612
Straight	720	6	4,320
Flush	1,096	5	5,480
Pair	3,744	2	7,488
<b>Total</b>	<b>5,660</b>		<b>21,108</b>

\*Includes the return of the original wager

The payback is calculated as 21,108 divided by 22,100 or 95.5113%. The house advantage is 4.4887%. The win frequency is 25.61%.

Paytable TCBS- 03			
Hand	Frequency	Pays*	Payback
3-Card Royal	4	51	204
Straight Flush	44	41	1,804
Three of a Kind	52	31	1,612
Straight	720	7	5,040
Flush	1,096	4	4,384
Pair	3,744	2	7,488
<b>Total</b>	<b>5,660</b>		<b>20,532</b>

\*Includes the return of the original wager

The payback is calculated as 20,532 divided by 22,100 or 92.9050%. The house advantage is 7.0950%. The win frequency is 25.61%.

Paytable TCBS- 04			
Hand	Frequency	Pays*	Payback
3-Card Royal	4	101	404
Straight Flush	44	41	1,804
Three of a Kind	52	31	1,612
Straight	720	7	5,040
Flush	1,096	4	4,384
Pair	3,744	2	7,488
<b>Total</b>	<b>5,660</b>		<b>20,732</b>

\*Includes the return of the original wager

The payback is calculated as 20,732 divided by 22,100 or 93.8100%. The house advantage is 6.1900%. The win frequency is 25.61%.

Paytable TCBS- 05 - 6 Decks			
Hand	Frequency	Pays*	Payback
3-Card Royal	864	51	44,064
Straight Flush	9,504	31	294,624
Three of a Kind	26,312	21	552,552
Straight	155,520	5	777,600
Flush	292,896	4	1,171,584
Pair	977,184	2	1,954,368
<b>Total</b>	<b>1,462,280</b>		<b>4,794,792</b>

\*Includes the return of the original wager

The payback is calculated as 4,794,792 divided by 5,013,320 or 95.6411%. The house advantage is 4.3589%. The win frequency is 29.17%.

Paytable TCBS- 06 - 6 Decks			
Hand	Frequency	Pays*	Payback
3-Card Royal	864	101	87,264
Straight Flush	9,504	31	294,624
Three of a Kind	26,312	21	552,552
Straight	155,520	5	777,600
Flush	292,896	4	1,171,584
Pair	977,184	2	1,954,368
<b>Total</b>	<b>1,462,280</b>		<b>4,837,992</b>

\*Includes the return of the original wager

The payback is calculated as 4,837,992 divided by 5,013,320 or 96.5028%. The house advantage is 3.4972%. The win frequency is 29.17%.

Paytable TCBS- 05 - 8 Decks			
Hand	Frequency	Pays*	Payback
3-Card Royal	2,048	51	104,448
Straight Flush	22,528	31	698,368
Three of a Kind	64,480	21	1,354,080
Straight	368,640	5	1,843,200
Flush	700,928	4	2,803,712
Pair	2,336,256	2	4,672,512
<b>Total</b>	<b>3,494,880</b>		<b>11,476,320</b>

\*Includes the return of the original wager

The payback is calculated as 11,476,320 divided by 11,912,160 or 96.3412%. The house advantage is 3.6588%. The win frequency is 29.34%.

Paytable TCBS- 06 - 8 Decks			
Hand	Frequency	Pays*	Payback
3-Card Royal	2,048	101	206,848
Straight Flush	22,528	31	698,368
Three of a Kind	64,480	21	1,354,080
Straight	368,640	5	1,843,200
Flush	700,928	4	2,803,712
Pair	2,336,256	2	4,672,512
<b>Total</b>	<b>3,494,880</b>		<b>11,578,720</b>

\*Includes the return of the original wager

The payback is calculated as 11,578,720 divided by 11,912,160 or 97.2008%. The house advantage is 2.7992%. The win frequency is 29.34%.

Paytable TCBS- 07 - 8 Decks			
Hand	Frequency	Pays*	Payback
3-Card Royal	2,048	41	83,968
Straight Flush	22,528	31	698,368
Three of a Kind	64,480	21	1,354,080
Straight	368,640	5	1,843,200
Flush	700,928	4	2,803,712
Pair	2,336,256	2	4,672,512
<b>Total</b>	<b>3,494,880</b>		<b>11,455,840</b>

\*Includes the return of the original wager

The payback is calculated as 11,455,840 divided by 11,912,160 or 96.1693%. The house advantage is 3.8307%. The win frequency is 29.34%.



John F. ...  
New York, N.Y. ...  
Patent 2,781,871 ...  
Largest Manufacturers ...

**BLACKJACK TWIST**  
*Signature*

3-CARD ROYAL	100
STRAIGHT FLUSH	50
THREE OF A KIND	30
STRAIGHT	20
FLUSH	10
PAIR	5

**BLACKJACK TWIST**  
*Signature*

3-CARD ROYAL	100
STRAIGHT FLUSH	50
THREE OF A KIND	30
STRAIGHT	20
FLUSH	10
PAIR	5

**BLACKJACK TWIST**  
*Signature*

3-CARD ROYAL	100
STRAIGHT FLUSH	50
THREE OF A KIND	30
STRAIGHT	20
FLUSH	10
PAIR	5

**BLACKJACK TWIST**  
*Signature*

3-CARD ROYAL	100
STRAIGHT FLUSH	50
THREE OF A KIND	30
STRAIGHT	20
FLUSH	10
PAIR	5

**BLACKJACK TWIST**  
*Signature*

3-CARD ROYAL	100
STRAIGHT FLUSH	50
THREE OF A KIND	30
STRAIGHT	20
FLUSH	10
PAIR	5

**BLACKJACK TWIST**  
*Signature*

3-CARD ROYAL	100
STRAIGHT FLUSH	50
THREE OF A KIND	30
STRAIGHT	20
FLUSH	10
PAIR	5

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