Rubber Matrix RYCE HIGHSPEED 13 NDELL HARD NDELL SOFT 12 SPIN ART FLARESTORM I 10 SPEEDY P.O. — CHALLENGER ATTACK TACKIFIRE DRIVE Speed 8 SAPPHIRA ACKINESS DRIVE - TACKINESS CHOP I FEINT AG TACKINESS CHOP 6 FEINT LONG II 5 SUPER ANTI Spin 🛑 = Pips-in and Anti Rubber Short Pips-out Rubber = Long Pimples Rubber

Isotype for Butterfly Rubber

Sponge

MAX 3.8-4.0mm (Including Rubber Sheet) 1.9-2.2mm 1.9 1.5 1.7-1.9mm 1.5-1.7mm 1.3-1.5mm THICKNES THICKNESS 1.3 0.5 1.1-1.3mm 0.8-1.1mm 0.4-0.7mm THICKNESS THICKNESS

Speed

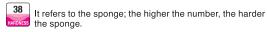
10 The measure for speed of SRIVER is 10.

Spin



The measure of spin for TACKINESS CHOP is 10.

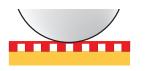
Hardness



- The numbers are based on the research conducted by the Butterfly Research and Development Department in January, 2017.

Rubber Categories

Pimples-in Rubber



A rubber with a large contact area for the ball, which makes it easy to impart spin; there are two types, highly elastic with high reaction and moderate for control.

High Tension Pimples-in Rubber

A rubber with very high elasticity and friction; it is created by impacting tension into the rubber molecule.

A rubber which imparts spin on the ball with ease as a result of the tackiness of the surface.

High Friction High Tension Pimples-in Rubber

A rubber with very high elasticity and friction created by impacting tension into the rubber molecule as well as enabling spin to be imparted on the ball owing to the tackiness of the surface

Pimples-out Rubber



Pimples-out Rubber

A rubber with a small contact area on the ball, which means it is less affected by the opponent's spin as the ball does not stay on the rubber for long.

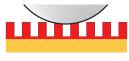
A pimples-out rubber with very high elasticity created by impacting tension into the rubber molecule.





• Pimples-out Rubber (without Sponge)
A rubber without sponge; it is light weight and has low elasticity.

Long Pimpled Rubber





- Long Pimpled Rubber
- A long pimpled rubber with unexpected variety of rotations as the pimples easily transform on contact.
- High Tension Long Pimpled Rubber

A long pimpled rubber which combines variation and elasticity; created by impacting tension into the rubber molecule.





- Long Pimpled Rubber (without Sponge)
- A long pimpled rubber without sponge; it is light weight and has low elasticity.

Anti-Spin Rubber





Anti-Spin Rubber

A rubber with less friction; it is less affected by the amount of spin applied by the opponent.

BUTTERFLY RUBBER **SPECIFICATION CHART**

RUBBER	SURFACE	CATEGORY	SPEED	SPIN	HARDNESS	SPONGE
Bryce	Inverted	High Tension Pimples-in Rubber	12.00	9.50	35	THICKNESS (MM) 1.9, 2.1
Bryce FX	Inverted	High Tension Pimples-in Rubber	12.00	9.50	33	2.1
Bryce High Speed	Inverted	High Tension Pimples-in Rubber	14.50	10.30	35	1.9, 2.1
Bryce Speed	Inverted	High Tension Pimples-in Rubber	14.00	9.75	38	2.1
Bryce Speed FX	Inverted	High Tension Pimples-in Rubber	14.00	9.75	32	2.1
Challenger Attack	Pips-Out	Pimples-out Rubber	9.50	6.50	35	1.5, 1.9, 2.1
Feint AG	Pips-Out	High Tension Long Pimpled Rubber	7.00	4.00	28	1.3, 1.7
Feint Long II	Pips-Out	Long Pimpled Rubber	6.25	3.25	38	0.5, 1.1, 1.3
Feint Long II OX	Pips-Out	Long Pimpled Rubber (without Sponge)	6.25	3.25	n/a	OX
Feint Long III	Pips-Out	Long Pimpled Rubber	6.00	4.00	25	0.5, 1.1, 1.3
Feint OX	Pips-Out	Long Pimpled Rubber (without Sponge)	4.50	3.50	n/a	0X
Feint Soft	Pips-Out	Long Pimpled Rubber	5.50	3.50	25	1.5
Flarestorm II	Pips-Out	High Tension Pimples-out Rubber	11.70	6.70	32	1.9, 2.1
Flextra	Inverted	Pimples-in Rubber	8.25	8.75	32	1.9
Impartial XB	Pips-Out	High Tension Pimples-out Rubber	11.90	6.70	30	1.7, 1.9, 2.1, MAX
Impartial XS	Pips-Out	High Tension Pimples-out Rubber	12.20	7.90	30	1.7, 1.9, 2.1, MAX
Orthodox DX	Pips-Out	Pimples-out Rubber (without Sponge)	6.00	4.25	n/a	OX
Raystorm	Pips-Out	High Tension Pimples-out Rubber	9.75	7.00	34	1.9, 2.1
Roundell	Inverted	High Tension Pimples-in Rubber	12.80	10.20	35	1.9, 2.1
Roundell Hard	Inverted	High Tension Pimples-in Rubber	12.80	10.20	40	2.1
Roundell Soft	Inverted	High Tension Pimples-in Rubber	12.80	10.20	32	2.1
Rozena	Inverted	High Tension Pimples-In Rubber	13.00	10.80	35	1.7, 1.9, 2.1
Sapphira	Inverted	Pimples-in Rubber	8.75	8.50	35	1.9
Speedy PO	Pips-Out	Pimples-out Rubber	10.00	6.00	35	1.9
Spin Art	Inverted	High Friction High Tension Pimples-in Rubber	11.90	11.50	48	1.9, 2.1
Sriver	Inverted	Pimples-in Rubber	10.00	8.00	38	1.5, 1.7, 1.9, 2.1, MAX
Sriver EL	Inverted	Pimples-in Rubber	10.00	8.00	35	1.9, 2.1
Sriver FX	Inverted	Pimples-in Rubber	10.00	8.00	33	1.9, 2.1
Super Anti	Inverted	Anti-Spin Rubber	4.00	3.00	25	1.9
Tackifire Drive	Inverted	High Friction Pimples-in Rubber	9.00	9.25	38	2.1
Tackiness Chop	Inverted	High Friction Pimples-in Rubber	6.50	10.00	32	1.5, 1.7, 1.9
Tackiness Chop II	Inverted	High Friction Pimples-in Rubber	7.50	10.00	41	1.5, 1.9
Tackiness Drive	Inverted	High Friction Pimples-in Rubber	8.50	9.00	38	1.9
Tenergy 05	Inverted	High Tension Pimples-in Rubber	13.00	11.50	36	1.7, 1.9, 2.1
Tenergy 05 FX	Inverted	High Tension Pimples-in Rubber	13.00	11.50	32	1.9, 2.1
Tenergy 25	Inverted	High Tension Pimples-in Rubber	13.25	11.00	36	1.9, 2.1
Tenergy 25 FX	Inverted	High Tension Pimples-in Rubber	13.25	11.00	32	1.9, 2.1
Tenergy 64	Inverted	High Tension Pimples-in Rubber	13.50	10.50	36	1.9, 2.1
Tenergy 64 FX	Inverted	High Tension Pimples-in Rubber	13.50	10.50	32	1.9, 2.1
Tenergy 80	Inverted	High Tension Pimples-in Rubber	13.25	11.25	36	1.9, 2.1
Tenergy 80-FX	Inverted	High Tension Pimples-in Rubber	13.25	11.25	32	1.9, 2.1