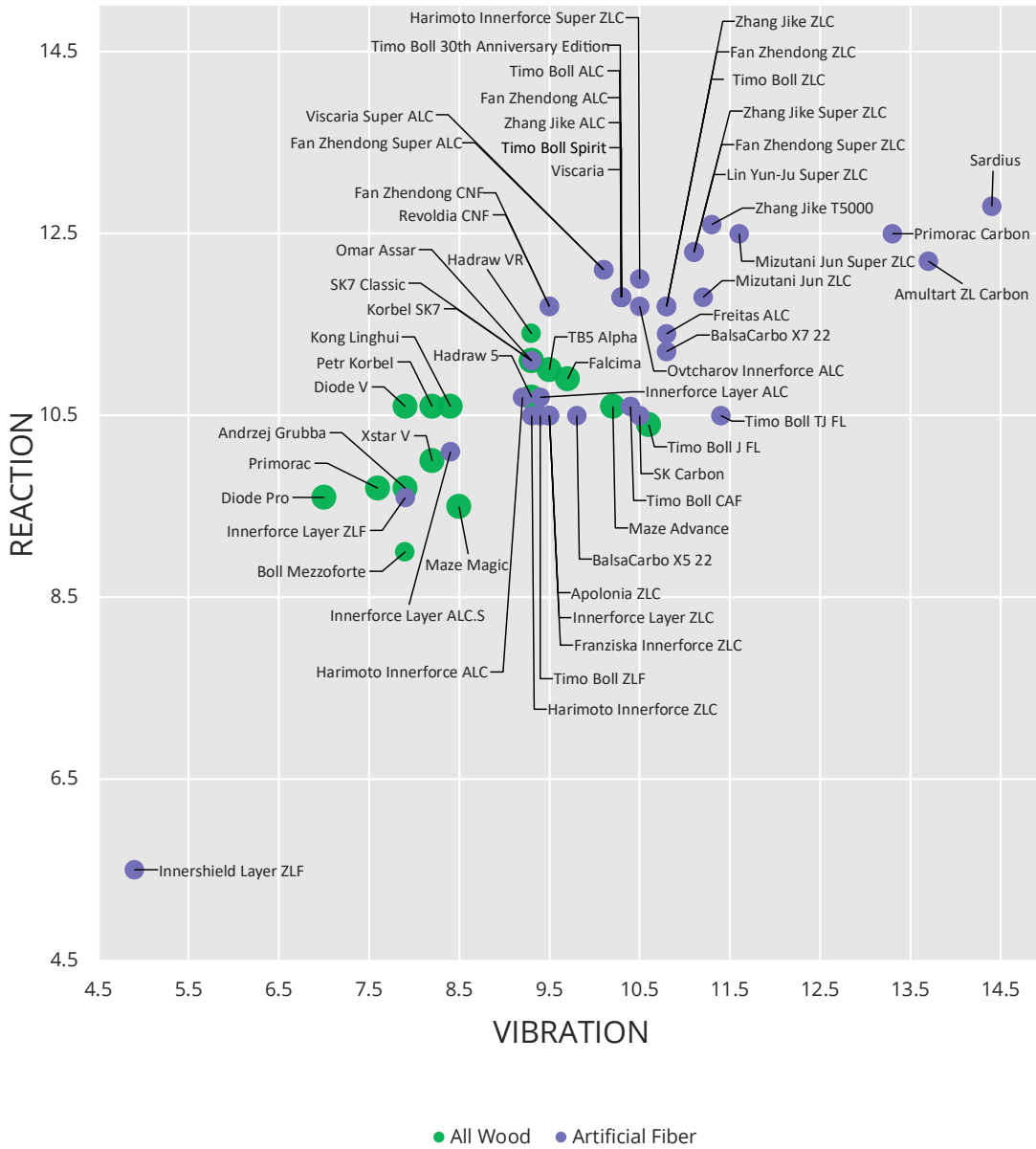


Butterfly Blade Matrix

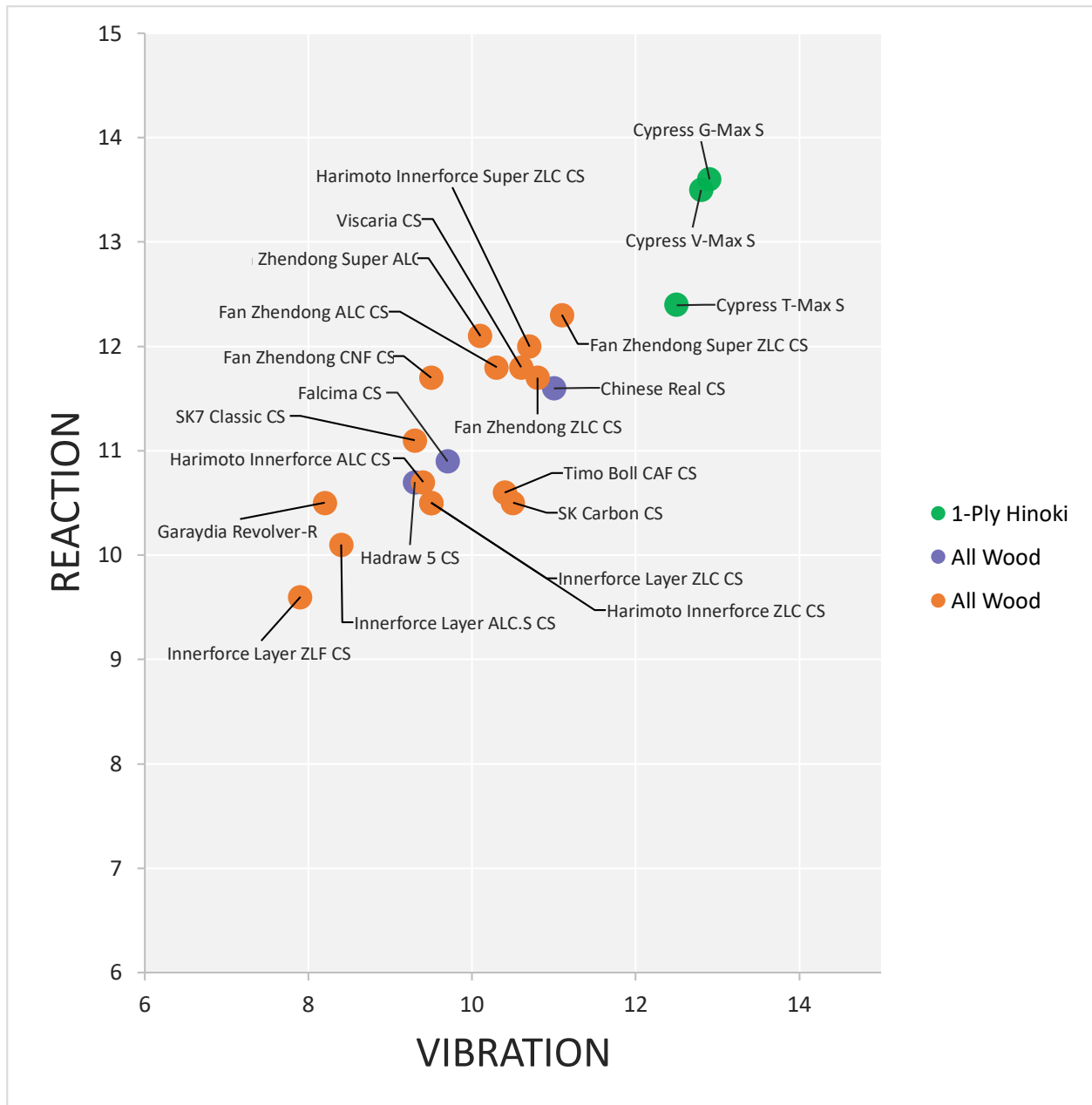


Shakehand Blades



Blade	Playing Style	Plies	Reaction	Vibration	Weight (avg. grams)	Head Height (mm)	Head Width (mm)	Head Thickness	AN Handle Dims	FL Handle Dims	SI Handle Dims	ST Handle Dims	Material	Special Structure	Special Handle
Amulstart ZL Carbon Blade	Attack	3W+2ZLC	12.2	13.7	86	157	150	7.1		100X25		100X24	ZL (ZL Carbon)		
Andrzej Grubba Blade	All-Round	5W	9.7	7.9	85	159	151	5.7	100x25	100x25		100x25	All Wood		
Apolonia ZLC Blade	Attack	5W+2ZLC	10.5	9.5	89	157	150	5.7	100x24	100x24		100x23	ZL (ZL Carbon)	Innerfiber	
BalsaCarbo X5 22 Blade	Attack	3W+2C	10.5	9.8	72	158	152	6	100x24	100x24		100x24	Carbon		
BalsaCarbo X7 22 Blade	Attack	5W+2C	11.2	10.8	75	158	152	7.5	100x24	100x24		100x24	Carbon		
Boll Mezzoforte Blade	All-Round	5W	9	7.9	77	158	152	5	100x23	100x24		100x23	All Wood		
Diode Pro Blade	Defense	5W	9.6	7	90	165	156	5.5		100x24		100x23	All Wood		
Diode V Blade	Defense	5W	10.6	7.9	97	165	156	5.7		100x24		100x23	All Wood		
Falcima Blade	Attack	5W	10.9	9.7	87	157	150	6		100x24			All Wood		
Fan Zhendong ALC	Attack	5W+2SALC	11.8	10.3	87	157	150	5.8		100x25		100x23	SALC (Super ALC)		
Fan Zhendong CNF	Attack	5W+2CNF	11.7	9.5	89	157	150	5.7		100x25		100x23	CNF (Cellulose Nano Fiber)		
Fan Zhendong Super ALC	Attack	5W+2SALC	12.1	10.1	89	157	150	5.7		100x25		100x23	SALC (Super ALC)		
Fan Zhendong Super ZLC	Attack	5W+2SZLC	12.3	11.1	90	157	150	5.6		100x25		100x23	SZLC (Super ZLC)		
Fan Zhendong ZLC	Attack	5W+2ZLC	11.7	10.8	86	157	150	5.5		100x25		100x23	ZL (ZL Carbon)		
Franziska Innerforce ZLC Blade	Attack	5W+2ZLC	10.5	9.5	88	157	150	5.7	100x24	100x24		100x23	ZL (ZL Carbon)	Innerfiber	
Freitas ALC Blade	Attack	5W+2ALC	11.4	10.8	84	157	150	6	100x25	100x25		100x23	ALC (Arylate-Carbon)		
Hadraw 5	Attack	5W	10.7	9.3	87	157	150	5.9		100x25		100x23	All Wood		
Hadraw VR Blade	Attack	5W	11.4	9.3	88	157	150	5.9	100x25	100x25		100x23	All Wood		
Harimoto Innerforce ALC Blade	Attack	5W+2ALC	10.7	9.2	88	158	152	6	100x25	100x25		100x23	ALC (Arylate-Carbon)	Innerfiber	
Harimoto Innerforce Super ZLC Blade	Attack	5W+2SZLC	12	10.5	90	158	152	6.2	100x25	100x25		100x23	SZLC (Super ZLC)	Innerfiber	
Harimoto Innerforce ZLC Blade	Attack	5W+2ZLC	10.5	9.3	89	158	152	5.7	100x24	100x24		100x23	ZL (ZL Carbon)	Innerfiber	
Innerforce Layer ALC Blade	Attack	5W+2ALC	10.7	9.4	85	157	150	6	100x25	100x25		100x23	ALC (Arylate-Carbon)	Innerfiber	
Innerforce Layer ALC.S Blade	Attack	5W+2ALC	10.1	8.4	88	157	150	5.5	100x24	100x24		100x23	ALC (Arylate-Carbon)	Innerfiber	
Innerforce Layer ZLC Blade	Attack	5W+2ZLC	10.5	9.5	85	157	150	5.7	100x24	100x24		100x23	ZL (ZL Carbon)	Innerfiber	
Innerforce Layer ZLF Blade	Attack	5W+2ZLF	9.6	7.9	86	157	150	5.3	100x24	100x24		100x22	ZLF (ZL Fiber)	Innerfiber	
Innershield Layer ZLF Blade	Defense	5W+2ZLF	5.5	4.9	84	166	155	5.1		100x24		100x23	ZLF (ZL Fiber)		
Kong Linghui Blade	Attack	5W	10.6	8.4	90	154	148	5.5		100x24			All Wood		
Korbel SK7 Blade	Attack	7W	11.1	9.3	92	157	150	6.8	100x24	100x24		100x23	All Wood		
Lin Yun-Ju Super ZLC Blade	Attack	5W+2ZLC	12.3	11.1	91	157	150	5.6	100X24	100X25		100x23	ZL (ZL Carbon)		
Maze Advance Blade	Attack	5W	10.6	10.2	82	157	150	6.7		100x24			All Wood		
Maze Magic Blade	All-Round	5W	9.5	8.5	85	159	151	5.9	100x24	100x24		100x24	All Wood		
Mizutani Jun Super ZLC Blade	Attack	5W+2SZLC	12.5	11.6	90	157	150	5.8	100X24	100X24		100x22	SZLC (Super ZLC)		
Mizutani Jun ZLC Blade	Attack	5W+2ZLC	11.8	11.2	85	157	150	5.7	100x24	100x24		100x22	ZL (ZL Carbon)		
Omar Assar Blade	Attack	3W+2AC	11.1	9.3	85	157	150	5.8	100x25	100x25		100x23	Aramid Carbon		
Ovtcharov Innerforce ALC Blade	Attack	5W+2ALC	11.7	10.5	91	158	152	6.2	100x25	100x25		100x23	ALC (Arylate-Carbon)	Innerfiber	
Petr Korbel Blade	Attack	5W	10.6	8.2	90	158	152	5.9		100X24		100X23	All Wood		
Primorac Blade	Attack	5W	9.7	7.6	84	157	150	5.5		100x25			All Wood		
Primorac Carbon Blade	Attack	3W+2T5000	12.5	13.3	89	157	150	7		100x24		100x23	T5000 (Tamca 5000)		
Revolodia CNF Blade	Attack	5W+2CNF	11.7	9.5	90	157	150	5.7		100x25			CNF (Cellulose Nano Fiber)		
Sardius Blade	Attack	3W+2T5000	12.8	14.4	92	158	152	7.2		100x25			T5000 (Tamca 5000)		
SK Carbon Blade	Attack	3W+2T5000	10.5	10.5	79	157	150	5.2		100x24		100x23	T5000 (Tamca 5000)		
SK7 Classic Blade	Attack	7W	11.1	9.3	90	157	150	6.8		100x25		100x23	All Wood		
TB5 Alpha FL Blade	Attack	5W	11	9.5	88	158	152	6.4		100X26			All Wood		
Timo Boll 30th Anniversary Edition FL	Attack	5W+2ALC	11.8	10.3	85	157	150	5.8		100x24			ALC (Arylate-Carbon)		G-Fless
Timo Boll ALC Blade	Attack	5W+2ALC	11.8	10.3	84	157	150	5.8	100x24	100x24		100x22	ALC (Arylate-Carbon)		
Timo Boll CAF Blade	Attack	3W+2CAF	10.6	10.4	82	157	150	5.7		100x24		100x22	CAF (CA Fiber)		
Timo Boll J FL Blade	Attack	5W	10.4	10.6	73	152	144	6.1		92X22			All Wood		
Timo Boll Spirit Blade	Attack	5W+2ALC	11.8	10.3	87	157	150	5.8	100x24	100x24		100x22	ALC (Arylate-Carbon)		
Timo Boll TJ FL Blade	Attack	3W+2T5000	10.5	11.4	71	154	146	5.2		95X21			T5000 (Tamca 5000)		
Timo Boll ZLC Blade	Attack	5W+2ZLC	11.7	10.8	84	157	150	5.5	100X24	100X24		100X22	ZL (ZL Carbon)		
Timo Boll ZLF Blade	Attack	5W+2ZLF	10.5	9.4	82	157	150	5.4	100X24	100X24		100X22	ZLF (ZL Fiber)		
Viscaria Blade	Attack	5W+2ALC	11.8	10.3	85	157	150	5.8		100x25			ALC (Arylate-Carbon)		
Viscaria Super ALC Blade	Attack	5W+2SALC	12.1	10.1	89	157	150	5.7		100x25		100x23	SALC (Super ALC)		
Xstar V Blade	Attack	5W	10	8.2	83	158	152	5.6		102x24			All Wood		
Zhang Jike ALC Blade	Attack	5W+2ALC	11.8	10.3	86	157	150	5.8	102x24	100x25		100x23	ALC (Arylate-Carbon)		
Zhang Jike Super ZLC Blade	Attack	5W+2SZLC	12.3	11.1	87	157	150	5.6	102x24	100x25		100x23	SZLC (Super ZLC)		
Zhang Jike T5000 Blade	Attack	5W+2T5000	12.6	11.3	91	157	150	5.5	102x25	100x25		100x24	T5000 (Tamca 5000)		
Zhang Jike ZLC Blade	Attack	5W+2ZLC	11.7	10.8	86	157	159	5.5	102x24	100x25		100x23	ZL (ZL Carbon)		

Penhold Blades



Blade	Playing Style	Plies	Reaction	Vibration	grams)	(mm)	(mm)	Thickness	(mm)	Material	Structure
Chinese Real CS Blade	Quick Attack	5W	11.6	11	80	158	150	7.7	82x24	All Wood	
Cypress G-Max S Blade	Topspin-Minded	1W	13.6	12.9	89	161	135	10	92x20	All Wood	
Cypress T-Max S Blade	Topspin-Minded	1W	12.4	12.5	94	163	135	10	92x20	All Wood	
Cypress V-Max S Blade	Topspin-Minded	1W	13.5	12.8	93	163	135	10	92x20	All Wood	
Falcima CS Blade	Quick Attack	5W	10.9	9.7	81	161	150	6	82x23	All Wood	
Fan Zhendong ALC CS	Quick Attack	5W+2ALC	11.8	10.3	82	161	150	5.8	82x24	ALC (Arylate-Carbon)	
Fan Zhendong CNF CS	Quick Attack	5W+2CNF	11.7	9.5	89	161	150	5.7	82x24	CNF (Cellulose Nano Fiber)	
Fan Zhendong Super ALC CS	Quick Attack	5W+2SALC	12.1	10.1	89	161	150	5.7	82x24	SALC (Super ALC)	
Fan Zhendong Super ZLC CS	Quick Attack	5W+2SZLC	12.3	11.1	85	161	150	5.6	82x24	SZLC (Super ZLC)	
Fan Zhendong ZLC CS	Quick Attack	5W+2ZLC	11.7	10.8	81	161	150	5.5	82x24	ZLC (ZL Carbon)	
Garaydia Revolver-R Blade	Combination	3W+2ALC	10.5	8.2	60	161	141	6.4	86x16	ALC (Arylate-Carbon)	
Hadraw 5 CS	Quick Attack	5W	10.7	9.3	91	161	150	5.9	82x24	All Wood	
Harimoto Innerforce ALC CS Blade	Quick Attack	5W+2ALC	10.7	9.4	85	161	150	6	82x24	ALC (Arylate-Carbon)	Innerfiber
Harimoto Innerforce Super ZLC CS Blade	Quick Attack	5W+2SZLC	12	10.7	89	161	150	6.2	82x24	SZLC (Super ZLC)	Innerfiber
Harimoto Innerforce ZLC CS Blade	Quick Attack	5W+2ZLC	10.5	9.5	84	161	150	5.7	82x24	ZLC (ZL Carbon)	Innerfiber
Innerforce Layer ALC.S CS Blade	Quick Attack	5W+2ALC	10.1	8.4	88	161	150	5.5	82x24	ALC (Arylate-Carbon)	Innerfiber
Innerforce Layer ZLC CS Blade	Quick Attack	5W+2ZLC	10.5	9.5	877	161	150	5.7	82x24	ZLC (ZL Carbon)	Innerfiber
Innerforce Layer ZLF CS Blade	Quick Attack	5W+2ZLF	9.6	7.9	86	161	150	5.3	82x23	ZLF (ZL Fiber)	Innerfiber
Shamada CS Blade	Quick Attack	5W	12.6	12.6	90	160	150	7.5	80x23	All Wood	
SK Carbon CS Blade	Quick Attack	3W+2T5000	10.5	10.5	76	161	150	5.2	82x24	T5000 (Tamca 5000)	
SK7 Classic CS Blade	Quick Attack	7W	11.1	9.3	90	161	150	6.8	82x24	All Wood	
Timo Boll CAF CS Blade	Quick Attack	3W+2CAF	10.6	10.4	82	161	150	5.7	82x23	CAF (CA Fiber)	
Viscaria CS	Quick Attack	5W+2ALC	11.8	10.6	81	158	150	5.8	82x22	ALC (Arylate-Carbon)	
Viscaria Super ALC CS Blade	Quick Attack	5W+2SALC	12.1	10.4	89	158	150	5.7	82x22	SALC (Super ALC)	

Reaction property

The reaction property is the quantified value illustrating the base speed of a blade.

A low reaction property signifies the lower speed of the ball after contact with the blade.

A high reaction property signifies the higher speed of the ball after impact.

Vibration property

The vibration property is the quantified value illustrating the feeling of a blade on impact.

A low vibration property in general signifies slower vibration on ball contact and denotes a blade with a softer touch.

A high vibration property in general signifies faster vibration of the blade on contract with the ball and denotes a blade with a harder touch.