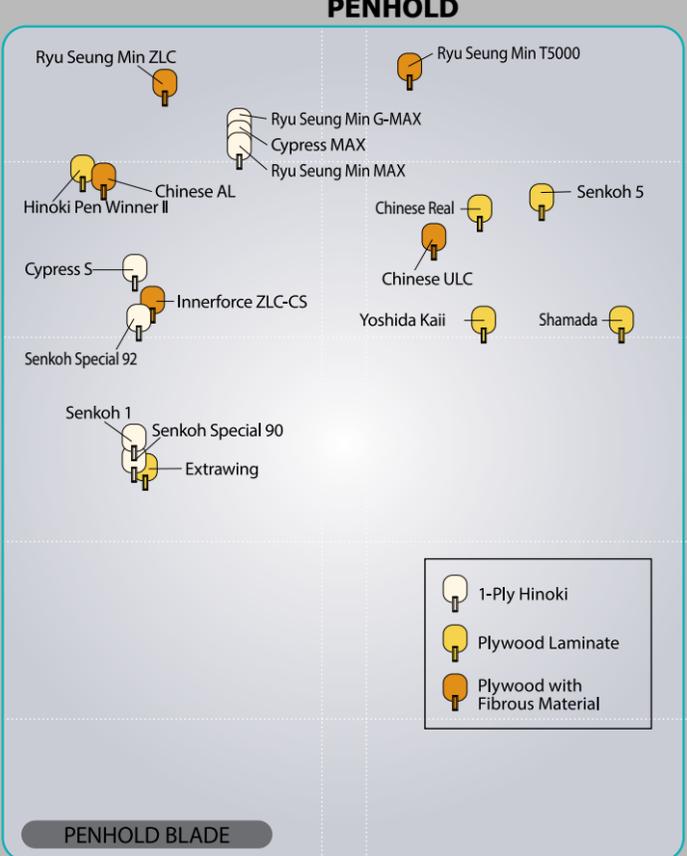


SHAKEHAND BLADE

SOFT HARD

FEELING



PENHOLD BLADE

SOFT HARD

FEELING

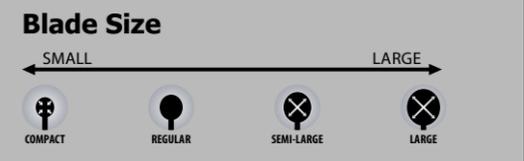
Characteristics of Butterfly Blade (ISOTYPE for Butterfly Blade)

Playing Style

- ATTACK** Powerful shakehands grip blade for powerful top spin attacking players.
- ALL-ROUND** Shakehands grip blade for all-round players whose aim is balanced and controlled play.
- DEFENCE** Shakehands grip blade exclusively for defensive players; less bounce enables a stable defence to be combined with a fierce attack.
- TOP-SPIN-MINDED** Penhold grip blade for the powerful attacking top spin player.
- QUICK ATTACK** Penhold grip blade suitable for attack and defence, enables fast change from forehand and backhand.
- COMBINATION** Combination penhold grip blade for players with different rubber surfaces on either side of the racket.



- ### Feeling
- HARD** Hard feeling when hitting a ball.
 - MEDIUM** The feeling in the middle when hitting a ball.
 - SOFT** Soft feeling when hitting a ball.



- ### Grip Shape
- FL Flare** Gravity center is closer to grip and the blade fits in the palm.
 - AN Anatomic** Wave-shape grip fits in the palm and provides stability.
 - ST Straight** The straight grip enables to change a way of grip according to the play.
 - SI Straight Incline** The width is straight and the thickness becomes thicker toward grip-end.
 - S** Angular Penhold Blade
 - R** Round-Angular Penhold Blade
 - CS** Chinese Penhold Blade

- ### Blade Dimensions
- Width and length from the forefront to grip of shakehand blade.
 - Blade thickness of shakehand blade.
 - Grip thickness of shakehand and penhold blades of Chinese style.
 - Width and length from the forefront to grip of penhold blade.
 - Blade thickness of penhold blade.
 - Length and height of upper part of penhold blade.

BLADE	CLASS	PLIES	WEIGHT ~(grams)	BLADE DIMENSIONS(mm)		BLADE HEAD THICKNESS(mm)	HANDLE STYLE	HANDLE DIMENSIONS		
				h	w			AN	FL	ST
Amultart	OFF+	3W+2ZLC	86	157	150	7.1	FL	X	100x25	X
Andrezj Grubba	ALL+	5W	83	158	150	5.1	AN, FL, ST	102x25	102x23	100x25
BalsaCarbo X5	OFF	3W+2C	83	158	150	7.0	AN, FL, ST	103x25	102x23	100x22
Defence III	DEF	3W	96	166	155	6.4	FL, ST	X	100x22	100x23
Defence X	DEF	5W	87	168	159	5.2	FL, ST	X	100x22	100x21
Feth	ALL+	5W	70	158	151	6.2	FL	X	99x25	X
Gergely	OFF+	3W+2T5000	93	160	152	6.9	FL	X	100x23	X
Gergely Alpha	OFF+	3W+2T5000	86	154	148	7.1	FL	X	100x25	X
Grubba Carbon	ALL+	3W+2C	90	158	151	4.9	FL	X	100x24	X
Grubba Pro	ALL-	5W	85	164	156	4.8	FL	X	102x21	X
Innerforce AL	OFF	5W+2A	86	157	150	5.9	FL	X	100x25	X
Innerforce ALC	OFF	5W+2AC	88	157	150	5.9	FL	X	100x25	X
Innerforce T-5000	OFF+	5W+2T5000	90	157	150	5.7	FL	X	100x24	X
Innerforce ZLC	OFF	5W+2ZLC	85	158	152	5.7	FL	X	100x24	X
Innerforce ZLF	OFF	5W+2ZLF	86	158	152	5.6	FL	X	100x24	X
Innershield ZLF	DEF	5W+2ZLF	84	166	153	5.1	ST	X	X	100x23
Joo Saehyuk	DEF	5W	97	165	156	5.9	ST	X	X	100x23
Korbel SK7	OFF	7W	90	157	150	6.7	FL	X	100x24	X
Korbel Speed	OFF	5W	89	158	152	5.6	FL	X	100x24	X
Liu Shiwen	OFF	5W+2ZLF	85	158	152	5.6	FL	X	100x24	X
Maze Performance	ALL	5W	81	157	150	6.7	FL, ST	X	100x24	100x23
Maze T-Tec	OFF+	5W	75	156	150	6.1	FL	X	102x25	X
Mazunov	OFF+	5W	107	158	152	6.7	FL	X	100x25	X
Michael Maze	OFF	5W+2AC	89	157	150	5.9	FL	X	100x25	X
Millerga	OFF	5W	86	153	150	7.0	ST	X	X	102x23
Mizutani Jun	OFF+	5W+2ZLC	91	157	150	5.7	FL	X	100x24	X
Petr Korbel	OFF	5W	91	158	152	5.9	FL	X	100x24	X
Photino	OFF+	3W+2ZLF	85	157	150	7.0	FL	X	100x24	X
Photino Light	OFF+	3W+2ZLF	72	157	148	6.2	FL	X	100x25	X
Power Drive II	OFF+	5W	85	160	152	6.7	FL	X	100x24	X
Primorac	OFF-	5W	86	157	150	5.5	FL	X	100x25	X
Primorac Carbon	OFF+	3W+2C	88	157	150	6.9	FL	X	100x25	X
Primorac EX	OFF	5W	85	157	150	5.7	FL	X	100x24	X
Ranunculus	OFF	5W	89	158	152	6.5	FL	X	100x24	X
Redox	OFF-	5W	80	157	150	6.1	FL	X	100x23	X
Reygundo	OFF	3W+2AC	74	157	148	6.5	FL	X	100x25	X
Timo Boll ALC	OFF	5W+2AC	84	157	150	5.7	AN, FL, ST	102x25	100x24	100x22
Timo Boll ALL	ALL	5W	85	159	150	5.3	FL	X	100x25	X
Timo Boll ALL+	ALL+	5W	85	159	150	5.5	FL	X	100x25	X
Timo Boll OFF-	OFF-	5W	85	159	150	5.9	FL	X	100x25	X
Timo Boll Spirit	OFF	5W+2AC	89	157	150	5.7	FL, ST	X	100x24	100x22
Timo Boll T5000	OFF+	5W+2T5000	89	157	150	5.5	FL	X	100x24	X
Timo Boll W5	OFF	5W	89	157	150	5.8	FL	X	100x24	X
Timo Boll W7	OFF	7W	94	157	150	6.7	AN, FL, ST	102x25	100x24	100x22
Timo Boll ZLC	OFF	5W+2ZLC	85	157	150	5.5	FL	X	100x24	X
Timo Boll ZLF	OFF	5W+2ZLF	84	157	150	5.4	FL	X	100x24	X
Viscaria	OFF	5W+2AC	90	157	150	5.7	FL	X	100x25	X
Zhang Jike	OFF	5W+2AC	89	157	150	5.7	FL	X	100x25	X
Zhang Jike ALC	OFF	5W+2AC	86	157	150	5.7	FL	X	100x25	X
Zhang Jike T-5000	OFF	5W+2T5000	88	157	150	5.5	FL	X	100x25	X
Zhang Jike Super ZLC	OFF	5W+2ZLC	90	157	150	5.6	FL, ST	X	100x25	100x23
Zhang Jike ZLC	OFF	5W+2ZLC	86	157	150	5.5	FL	X	100x25	X
X-Star III	ALL	5W	78	154	148	6.1	FL	X	102x24	X

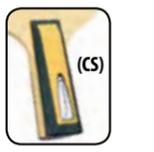
BLADE	CLASS	PLIES	WEIGHT ~(grams)	BLADE DIMENSIONS(mm)		BLADE HEAD THICKNESS(mm)	HANDLE
CHINESE STYLE							
				h	w		
Chinese AL	Quick Attack	5W+2A	84	158	150	7	82 x 24
Chinese EX	Quick Attack	5W	85	161	150	5.7	82 x 24
Chinese Real	Quick Attack	5W	86	158	150	7.7	82 x 24
Chinese ULC	Quick Attack	3W+2ZLC	81	158	150	6.9	82 x 24
Extra Wing-CS	Quick Attack	5W	86	161	150	5.9	82 x 24
Innerforce ZLC CS	Quick Attack	5W+2ZLC	85	158	150	5.7	82 x 24
Shamada	Quick Attack	5W	86	160	150	7.5	80 x 23
Yoshida Kaii	Quick Attack	7W	91	161	150	6.7	82 x 25
JAPANESE STYLE							
Cypress Max	Top-Spin Minded	1W	94	163	135	10	92 x 20
Cypress-S	Top-Spin Minded	1W	87	163	135	9	92 x 20
Hinoki Pen Winner II	Top-Spin Minded	5W	83	163	135	8.2	92 x 20
Ryu Seung Min G-Max	Top-Spin Minded	1W	90	163	135	10	92 x 20
Ryu Seung Min Max	Top-Spin Minded	1W	97	163	135	10	92 x 20
Ryu Seung Min T-5000	Top-Spin Minded	5W+2T5000	88	163	135	8.2	92 x 20
Ryu Seung Min ZLC	Top-Spin Minded	5W+2ZLC	95	163	135	8.2	92 x 20
Senkoh-1	Top-Spin Minded	1W	89	161	133	9	80 x 20
Senkoh-5	Quick Attack	5W	81	155	143	8.1	80 x 20
Senkoh Special 90	Top-Spin Minded	1W	85	163	135	9	92 x 20
Senkoh Special 92	Top-Spin Minded	1W	89	163	135	9.2	92 x 20

What Handle Style Should I Choose?

Many blades are available in different handle styles. Penhold blades are available in 2 different styles: Chinese penhold and Japanese penhold.

The Penhold models:

(CS) - Chinese penhold handles have a shorter conical shape.



(JP) - Japanese Penhold handles are long and narrow. They feature a block of cork on top of the handle for a surer and more comfortable grip. Almost all feature a thin layer of cork on the backside.



The Shakehand models:

(AN) - Anatomic Handle is tapered at the neck and is broader in the middle. The area between the base and middle is slightly concave.



(FL) - Flare Handle is wide at the base and is concave in the center.



(ST) - Straight Handle has no deviation in it. It is uniform from neck to base.



Traditionally, most players from Asia hold the racket as if they were writing with a pen, hence the name, "penhold".

Penhold racket construction is slightly different than a shakehand racket in the following ways:

- It features rubber on only one side of the racket as a penhold player will traditionally use the same side of the racket to execute both a forehand as well as a backhand shot. Having rubber on only one side of the racket significantly reduces the weight of the racket
- There is a gap above the handle where the fingers rest offering a more comfortable grip
- The racket head is slightly wider and/or elongated compared to the head of a shakehand racket offering an even weight distribution.

Control of the Blade

The amount of control a blade has cannot be measured. It is different for each individual. Your level of control is proportional to the amount of time you spend practicing. The more you play, the more control you will have. Generally, the faster the blade, the more difficult it will be to control.

Speed of the Blade

Many different woods are used in modern blade construction. Each wood type has its own unique characteristics that affect the feel and speed of the blade. The speed rating of a racket indicates the integrated pace of the ball relative to other rackets in our line.