## LARC (LIST AUTHORISED RACKET COVERINGS) N°34 1 JULY 2013 – 31 DECEMBER 2013

Also available on the Internet: <u>www.ittf.com</u> (Home, Equipment, Racket Coverings)

DATE OF PUBLICATION: 1 April 2013

The new rubbers entering LARC 34 appear in **bold italics**, whilst other changes appear in **bold**, and both are valid with immediate effect.

Many racket coverings contain additional text in the rubber mould apart from the brand name and suppliers name and this does not disqualify them from the LARC. However, the brand name given in the LARC must be there (for example, Butterfly Sriver L and Butterfly Sriver S have the addition "D13"). Such texts could be positioned anywhere in the area reserved for the text on the rubber.

## How to acknowledge a racket covering from LARC:

- 1. Make certain that you have the correct LARC (see date of validity, it is published twice a year, in April and October. Pdf files to be found on our website at all times: www.ittf.com).
- 2. The supplier and brand names as well as the ITTF logo and eventually ITTF number should be clearly visible on the rubber.
- 3. These names should appear in the LARC. If in doubt, check the images/pictures on the ITTF web site.

## **LEGEND**

005 Illumina

In

Backside

[R] or [B] Indicates that this brand name is available in only red or black respectively.

"Long" Under `Pimple Type', this is used where the aspect ratio (= pimple height / pimple diameter) is larger than 0.89.

**01)** Supplier number, may appear in the rubber mould together with the ITTF logo.



, 11	/ 11			0			
ITTF N°) SUPPLIER Brand Pim	nple Type	ITTF N°) SUPPLIER Brand Pim	ple Type	ITTF N°) SUPPLIER Brand Pimp	ole Type	ITTF N°) SUPPLIE Brand P	<b>R</b> imple Type
115) 61 SECOND	)	95) AKKADI		Classic	Out	06) ATEMI	
001 Wind FT	Long	<b>"AKKADI"</b> is also	ucod	Impuls	In	Ace	In
002 Lightning DS	In	as part of a brand		Impuls Speed	ln	Advantage	In
003 Thunder LM	In	for " <b>DONIC</b> ".	liame	Plasma	In	Challenge	In
004 Artist	Long	IOI DONIC .		Rocket	In	Début	ln
-1\	O	001 V Max	In	Start	In	Fight Power	In
01) 999		002 S Max	In	Trophy	In	Ippon	In
<b>"999"</b> is also used as	part of a	003 K Max	ln	Upgrade	In	Super Champ	ln
brand name for		004 Java	In				
"AKKADI","CRACK",	"GLOBE"	005 L3	Long	04) ARMSTRONG		07) AVALOX / A	<b>NVX</b>
"AKKADI", "CRACK",  "JUIC", "THREE NINE "XIYING" and "XUSH	Ξ", ΙΛΩΕΛ"	006 K3	Out	Aka Mark Max	Out	001 Purot	In
		007 Hornet	In	Attack 3 Type L	Out	002 Sogno	In
889_	Out	008 999 Pro	In	Attack 3 Type M	Out	Athlos	In
999 T-2	<u>I</u> n		•••	Attack 8 Type L	Out	Horme	In
999 T-3	In	89) AMSIR		Attack 8 Type M	Out	Mo	Long
Super 999 T	In	002 Fantasy	In	Attack 8 Type M EXX	Out	Pronte	In
105) ADIDAS		003 Flutter	Long	Conqueror	In	Sterco	In
	In	005 Glory	In	Conqueror SS	In	Stereo	•••
001 Repulse 500 002 Repulse 700	In In	006 Luxury	In	Hikari Drive	In	08) BANCO	
002 Repuise 700 003 P 3	In	007 Sensation	Long	Hikari SR7	In	001 Extreme	In
003 F 3 004 R 4	In	008 Surprise	Long	Long Pimple	Out	002 Dynamic	ln
004 R 4 005 P 5		009 Victory	In	New Anti Spin	Anti	003 Ouragan	ln
006 R 6	ln In	010 Shot '	Out	New Chopper	In	004 Megaspin	In
007 Tenzone	In In			New Spirit Hi	In	Allstar	In
007 Terizone 008 Tenzone SF	In	03) ANDRO		Red Mark	In	Excellence	In
		001 Roxon	ln	Red Mark Type 1-4	Out	Feeling	ln
009 Syntec	In	002 Roxon 500 Pro	o In	Rosin	Out	Furio	ln
010 Syntec SF	ln In	003 Roxon 330	In	Twister	Long	Futura Energie	In
011 P 7	In Out	004 Blowfish	Out	Twister EXT	Out	Perfect	In
012 Blaze Spin	Out	005 Blowfish +	Out	Vector	In	Puissance	ln
013 Blaze Speed	Out	006 Chaos	Long	W-α Ex x	Out	Start ★★	In
014 Syntec Fast	ln In	007 Hexer	In	Warrior	ln	Start ***	In
015 Sonic	ln I	008 Hexer +	In			Variation Energy	In
016 Cruise 017 Touch Pro	In In	009 Revo Fire	In	05) ARTENGO			
	In In	010 Hexer Duro	In	001 930 A	In	12) BOMB	
018 Tenzone Ultra	In	011 Hexer Pips	Out	003 920 S	ln	001 Oscule	In
02) AHUAYI		012 Hexer Pips +	Out	004 950 S	In	Apex	In
001 666	In	013 Sonnentau	In	005 900 C	In	Bombard	In
001 000		014 Shifter	In	007 851 O	In	Hammer	Out
106) AIR		015 Shifter Powerspo		008 861 O	In	l .	
"AIR" is also used	as part	016 Backside 2.0	In	009 881 O	In	King Roc	Out
of a brand name fo		017 Nightmare	 In	010 703 O	In	Mopha	ln '
"JOOLA".		018 Hexer HD	ln	011 853 O	ln	Raider	ln
L-	l.a	019 Rasant	In	012 863 O	ln	Rex	. In
001 Scirocco	In Out	020 Impuls Powerspo		013 883 O	In	Talent	Long
002 Panamera	Out	021 Rasant Turbo	In	014 893 O	In	Tensa	<u>I</u> n
003 Upupupup	Long	022 Rasant Powersp		702 O	In	Ufo	In
004 Classique	Out	D I : I		702 0		Violent	In

930 S

In

ITTF N°) SUPPLIER Brand Pir	t nple Type	ITTF N°) SUPPLIER Brand Pim	ple Type	ITTF N°) SUPPLIEI Brand Pir	<b>R</b> mple Type	ITTF N°) SUPPLIER Brand Pir	<b>t</b> mple Type
14) BUTTERFLY	. ,,,	Wakaba	In	20) DAWEI		Quattro	In
001 Tenergy 05	In	West Will	Out	2008	In	Quattro A'Conda	In
002 Tenergy 25	In	Yuki	In	388A	In	Quattro Formula	In
003 Tenergy 64	ln	4E) CARREGUE		388A-4	In	Slice 40	In
004 Pan Asia - X	ln	15) CARREFOUR		388C-1	Out	Solo	In
005 Spinart	In	Top Life	ln	388D	Long	Sonex JP Gold	ln
006 Sriver G3	In	16) CHAMPION		388D-1	Long	Twingo	In
007 Sriver G3 FX	In			Inspirit	In	Vari-Slick	In
008 Roundell	In	"CHAMPION" is u		Saviga	. In	Vario	In
009 Tenergy 05 FX		part of a brand nan	ne for	Saviga V	Long	Vario Cooper S	ln !
010 Tenergy 25 FX	<u>I</u> n	"SCHILDKRÖT".		118) DER-		Vario Soft	In
011 Tenergy 64 FX		001 V 7	In	MATERIALSPEZI	ALIST	22) DONIER	
012 Flarestorm II	Out	002 V 5	In	001 Nightmare	Anti	Max	In
013 Addoy	In	Apache	ln	002 Beast	Anti	Max Attack	In
014 Wakaba	ln In	Aragorn	<u>In</u>	003 Undertaker	Long	Versus	In
015 Pan Asia 016 Yuki	In In	Cyclops	ln	004 L.S.D Long Su	ıper	22) DOUBLE EIG	ш
017 Dignics	In	Elysion	ln	Defence	Long	23) DOUBLE FIS 001 A One	п In
018 Tenergy 80	In	Hexa	ln		8	001 A One 002 FA213	
019 Largestorm	Out	lason	ln In	21) DONIC		002 FA213 003 FC218	In In
020 Tenergy 80 FX		Khan	ln	001 Coppa JO Pla		003 FC2 F6 004 FS232	ln
Addoy	In	Mercury Next	In In	002 Vario Gold	. In	004 F3232 005 FL233	In
Biriba	In [R]	Partizan	In	003 Alligator Def	Long	006 8338	In
Black	In [B]	Quantum	In	006 Baracuda	In	007 8484	In
Bryce	ln	Spartan	In	007 Coppa Speed		008 1615	Long
Bryce FX	In	Trident	In	008 Baxster LB 009 Twister LB	Out Out	009 815	In
Bryce Speed	In	Trojan	ln	010 Vario Big Slar		010 820 A	Out
Bryce Speed FX	In	Tron	In	011 Acuda S1	II III	011 830	In
Catapult	In	Ulyssis	In	012 Acuda S2	In	012 Volant	In
Cermet	In	,		013 Acuda S3	In	013 Volant 2	In
Challenger Attack	Out	136) CHEN HAI I	PAI	014 Coppa X1	In	014 Volant 3	ln
Challenger Large	Out	001 888	Out	015 Coppa X2	ln	015 Athlon 1	In
Driver	In [R]	17) CORNILLEAU	ı	016 Coppa X3	ln	016 Athlon 2	In
Ekrips	In			018 Traction MS	In	017 Qiji	<b>In</b>
Feint AG	Long	001 ★ 002 ★★	ln In	019 Waldner Lege	end In	815	In Out
Feint Long II Feint Long III	Long Long	003 * * *	In In	020 Vario Platin	In	820A 830	Out In
Feint-Ox	Long	004 * * *	In	021 Vario Sound	. In	1615	Long
Feint-Soft	Long	005 * * * * *	In	022 Alligator Anti	Anti	8338	In
Flarestorm	Out	006 *****	In	023 Anti Classic	Anti	8484	In
Flextra	In	007 Performa 1	In	024 Acuda S1 Turk		F.A. 213	In
Fräulein	ln	008 Performa 2	 In	025 Bluefire M1	<u>I</u> n	FC218	In
Large 44 DX	Out	009 Pilot Advance	In	026 Bluefire M2 027 Bluefire M3	ln In	F.L. 233	In
Lemuria	In	010 Pilot Power	In	027 Bidelile M3 028 Piranja Anti	Anti	FS232	In
Magnitude	Long	011 Pilot Style	In	<b>029 Bluefire JP 0</b> 1		Volant	In
Morim	_ In	012 Pilot Control	In	030 Bluefire JP 03		24) DOUBLE	
Orthodox-DX,103	Out	013 Drive Style	In	66 GS	In	HAPPINESS / DE	16
Pan Asia	ln	014 Drive Control	<u>In</u>	77 GS	In		
Raystorm	Out	015 Start Up'	<u>I</u> n	*	In	001 Hurricane	ln '
Rein	Out	016 Pulse Racer	ln	* *	ln	002 Hurricane II	In Voc
Relop Attack	Long	017 Pulse Rider	In In	**	ln	<b>003 Skyline</b> 004 PF4	<i>In</i> In
Sapphira Solvid	In In	018 Target Ultim	ln In	Akkadi Java	In	004 FF4 005 Skyline II	In
Selvid Soft	In In	019 Target Sound 020 Target Force	In In	Akkadi K1	Out	006 Skyline III	In
Solcion	in In	020 larget Force	Ш	Akkadi K2	Out	008 Memo	In
Speedy-P.O.	Out	18) CRACK		Akkadi L1	Long	000 Memo II	In
Sprier	In	999	In	Akkadi L2	Long	010 Memo III	In
Sriver EL	In	Master	In	Akkadi Taichi	ļn	011 TNT	In
Sriver FX	In	SP	In	Alpha-Slick	ln O t	012 TNT II	In
Sriver G2	In	Twister	In	Baxster	Out	013 6512	In
Sriver G2 FX	In	1 ** 13101	111	Coppa	ln In	014 PF4-1	In
Sriver L	ln	99) CTT		Coppa JO Gold	ln In	015 G555	In
Sriver S	In	001 National Pride	In	Coppa JO Silver	In In	016 G666	In
Stayer	In	002 National Strike		Coppa Tagora Coppa Tenero	In In	017 G777	In
Super Anti	Anti	003 National Pogo	Long	Desto F1	In In	018 G888	In
Super-Sriver	ln	004 National Hero	In	Desto F2	In	019 TNT III	<u>In</u>
Tackifire-C	ln	10) DADI/FD		Desto F3	In	020 Magican	In
Tackifire-D	In	19) DARKER	,	Duo	In	021 Magican II	In ,
Tackifire SP	In	001 Turbo 70	<i>In</i>	Easy-Slick	In	022 Magican III	In In
Tackiness-C	In	Provine	ln '	Liga	In	023 Dipper 024 Dipper II	In In In In In In
T1.: C !!						. UZ4 LUDDAY II	ın
Tackiness-C II Tackiness-D	In In	Spalbird	In	Piranja FD TEC	Long	024 Dipper III	In 2

TTF N°) SUPPLIER Brand Pimpl	le Type	ITTF N°) SUPPLIER Brand Pimp	le Type	ITTF N°) SUPPLIER Brand Pim	ple Type	ITTF N°) SUPPLIER Brand Pim	ole Type
026 C7	Out	004 Boomerang Classi		Outlaw	In	002 Mo Wang II	Long
027 C8	Long	005 Gorilla	Anti	Peace Keeper	Out	003 888 II	Out
028 Cloud & Fog II	Long	006 Grizzly 007 Anti Special	Anti	Six Shooter	ln	004 Do	In
029 Cloud & Fog III		007 Anti Special	Anti Anti	120) GEILI		888	Out
030 651 031 652	Out Out	000 / 1 B - 3	Long	003 Quicken	In	889 889-2	Out Out
037 032	Out	010 Inferno Classic	Long			979	Long
033 Dragonow	Out	011 Desperado	Long	112) GENOTE		999	In
034 Sharping	Out	012 Terminator	Out	001 Peak-Power	In	999T	ln
040 PF4 Nittaku	In	013 Allround Premium	n Long	29) GEWO		Awala	In
041 G888 Nittaku	In	014 Killer	Out	001 Proton	In	Jinxuanfeng II	In
045 Tin Arc	ln	Diamant	Out	002 Stratos	In	Jinxuanfeng III	In
046 Tin Arc II	In	Domination	In Out	003 Reflexx	ln	Liqin	ln '
047 Tin Arc III	In	Leopard Pistol	Out	004 Thunderball <sup>2</sup>	In	Magicwand	In
048 Gold Arc	<u>I</u> n	Tornado Ultra	Out Out	005 Return	<u>I</u> n	Prize	In In
049 Gold Arc II	ln		Out	006 Flexxon	In	Taiphoon Gold Tropy	In
050 Gold Arc III	In	107) DUNLOP		Mega Flex Control	ln	Trump Card	In
054 Hurricane 8	ln In	080 Evolution Max	ln	Nano	In	·	111
055 Hurricane 9 108 Hurricane III	In In	090 Revolution Max	: In	Target airTEC	In	86) GUO AO	
551	Out	100 Revolution Max	: II In	Target Energy	In	001 718	In
552	Out	27) FRIENDSHIP		30) GIANT DRAC	ON	34) GUOQIU	
5512	In	,	1	001 Taichi	In		L-
374	Out	<b>"FRIENDSHIP"</b> is also		002 Karate	In	001 Gong Fu AB	In In
	Out	as part of a brand nam	ne for	003 Meteorite	Long	FF	In
C - 8	Long	"KOKUTAKU","WINI	NING".	004 Giant Long	Long	HB	In
Cloud & Fog II	Long	001 R.I.T.C. 729 - 5		005 Allround	. In	MG	Long
Cloud & Fog III	Lonğ	001 R.I.T.C. 729 - 3	In Long	006 Guard	Anti	MG II	Long
Dipper	In	002 R.I.T.C. 733 - 2		007 Submarine	In	SS	Out
Dipper II	In	004 K.I.1.C. 729 - 00	8 In Out	008 Topenergy	<u>I</u> n		
Dipper III	In	005 729 T05 006 729 Battle	In	009 Superspin G3	ln In	90) HAIFU	
Oragonow	Out	007 729 Battle II	In	010 Superspin G4 011 Superveloce V1	In  2 In	001 Whale	In
G555 G666	ln In	008 729 Origin	ln	012 Dragon Talon	Long	002 Shark	In O
3666 Nittaku	In In	009 729 Aurora	In	013 Snowflake	Long	003 Penguin	Out
3777	In	729 Focus	In	014 Cropcircles	Long	004 Dolphin 005 Whale III	Out In
G888	In	729 Focus II	In	015 Blast	Out	006 Shark III	In
5888 Nittaku	In	729 Focus III	In	016 612	Out	000 Shark III 007 Pirates 07	In
Hurricane	In	729 High Point	ln	017 Attack Long	Long	008 Pirates 08	In
Hurricane II	In	R.I.T.C. 563	Out	018 Commander	In	009 Octopus	Long
Hurricane III	In	R.I.T.C. 563-1	Out	019 Storm	In	010 O. Orca	In
Magican	ln	R.I.T.C. 729	ln '	020 Future	In	011 Otariidae	ln
Magican II	In	R.I.T.C. 729-2	In	021 Soft Anti	<u>I</u> n	07) 114157	
Magican III	ln	R.I.T.C. 729-3 R.I.T.C. 729-40H	In In	022 Peril Anti	In	97) HALEX	
∕lemo	In	R.I.T.C. 729-4011 R.I.T.C. 729-40S	In	807	ln '	(no other mark)	In '
∕lemo II	ln	R.I.T.C. 729-403 R.I.T.C. 729 Cream	In	8086	ln !	XR - 3000	In
Nemo III	In Out	R.I.T.C. 729 Dr. Evil	Out	8087 8088	ln In	35) HALLMARK	
Nittaku C 7	Out	R.I.T.C. 729 Faster	In	8228 A	Out	002 Podium	ln
Nittaku Hurricane II	In In	R.I.T.C. 729 GeoSpir		8228 B	In	004 Pheonix	Long
Nittaku Hurricane III Nittaku Hurricane Pro	ln II In	R.I.T.C. 729 GeoSpin Ta		Extspeed	ln	005 Friction Special	
Nittaku Hurricane Pro		R.I.T.C. 729 Higher	In	Maxspin	In	006 Green Power	In
Miliaku Fiumcane Fio PF4	III III	R.I.T.C. 729 SP	In	Superspeed	In	Frustration	Long
PF4-1	In	R.I.T.C. 729 SST	In	Superspin	In	Half Long	Out
Sharping	Out	R.I.T.C. 755	Long	Superspin G2	In	Magic Pips	Out
Sharping Nittaku	Out	R.I.T.C. 799	Out	31) GKI		Mirage	Anti
Skyline	In	R.I.T.C. 802	Out	1	1	Panther	Out
skýline II	In	R.I.T.C. 802-1	Out	001 Nano Sting	Long	Power Spin	ln
kyline III	In	R.I.T.C. 802-40 R.I.T.C. 804	Out	002 Euro Chelonz 004 ChelonZ Hybri	In idZ In	125) HEATT	
urpass	ln	R.I.T.C. 804 R.I.T.C. 837	Anti Long	004 Chelonz HybridZ GX	Iuz III In	001 Fair Play	Out
NT	<u>I</u> n	R.I.T.C. 2000 Tack-Sp		Euro Jumbo	In	,	Jut
NT II	In In	Sky-Wing	eed III In	Euro Spintec	In	104) HUARUITE	
NT III	In	Super 729 FX	In	Euro XX	In	001 Wujilong	In
NT Nittaku	In	Top Point	ln	Nano Attack	Out	36) IMPERIAL	
25) DOUBLE POW	ER			Nano Force	In	1	
No. 3080	In	28) GAMBLER				001 Factor	In Long
		001 Wraith	ln	32) GLOBE		002 Spinbreaker China	Long In
26) DR NEUBAUER	(	002 Shadow	<u>I</u> n	"GLOBE" is also us		Crina	in In
001 Special Defence	In	003 Reflectoid	<u>I</u> n	as part of a brand n	ame	Cyber Tacky	in In
002 Goliath	. In	4 Kings Aces	In In	for <b>"XUSHAOFA"</b> .		Force	In
003 Monster Classic					1		

ITTF N°) SUPPLIER Brand Pim	ple Type	ITTF N°) SUPPLIER Brand Pim	ple Type	ITTF N°) SUPPLIER Brand Pim	nple Type	ITTF N°) SUPPLIER Brand Pim	ple Type
Rubber 45 20 one	In	Masterspin	Out	3 Stars	In	51) NB ENEBE	
Super Strike	In	Masterspin II	Out	5 Stars	In	*	In
Swift	In	NanoCannon .	In	Aggressor	In	**	In
38) JAPTEC		Neo Anti	Anti	Allrounder	<u>In</u>	* * *	In
Balance	In	Offense	Out	Elite Control	ln I	Pro	In
DL - 01	In Long	Patisuma Patisuma II	Out Out	International Scirocco	In In	91) NEOTTEC	
Experience	Long In	Pausuma n PipsAce	Out	SS 800	In	001 Hinomi	In
Performance	In	Scramble	In	Star	In	002 Iken	In
Precision	In	Scramble 21	In	Super 3	In	003 Katana	In
40) 1001 4		SpinSpiel	ln	Typhoon	ln	004 Tokkan	Long
40) JOOLA				XÁ 900	ln	004 lokkali 005 Maxima	In
001 Express 002 Shark	In	42) KETTLER		47) LKT		006 Enkei	In
002 Shark 003 Orca	Long Long	Coach Master	In		In		
003 Orca 004 Amy	Anti	Professional	In In	001 Rapid Speed 002 Rapid Power	In In	94) NEXY	
004 Amy 006 Express Ultra	Out	Professional	111	002 Rapid Fower	In	001 Demian	In
007 Phénix	In	43) KILLERSPIN		004 Rapid Soft	In	002 Kairos	Out
008 X-Plode	In	001 Blast	In	005 Black Power	In[B]	003 Chaos	Long
009 Brave	In	002 Fortissimo	In	006 Red Diamond	In[R]	004 Elpis	In
010 Turbo	In	003 GT 2	In	Pro XP	In	53) NIMATSU	
011 Samba +	In	Nitrx-4Z	In	Pro XT	ln	001 Chimera	In
012 timeless	Anti	44) KINSON		Recoil	In	001 Cnimera 002 Zerberus	
013 Rhyzm	In		In	Torrent E.G.S.	In		Long
014 UPP	In '	Perfect	ln In	48) METEOR		Hurricane	In
015 Maxxx	In In	Super Spin	In	<b>48) METEUR</b> 575	Lon-	Pegasus	In
<b>016 Novic</b> 4 all	<i>In</i> In	45) KOKUTAKU		5/5 71-1	Long	Scorpion	In
4 You	In	Big Star	In	71-1	Long Out	Spinfighter ★★★	In
air!	In	BLütenkirsche 868	In	813	In	XX5	ln
Anti Topspin Toni Holo		BLütenkirsche 868 T	okyo In	835	In	54) NITTAKU	
Badman	Long	Clitter	Out	845	Long	"NITTAKU" is also	
Basic	ln	Friendship 729 Sup		8512	Long	used as part of some	
Compass	ln	Spec-V	In	9012	Long	· ·	
Drum	In	Spindle	In	40) 1411 1/3/34/43/	_	brand names for "DO	OOBLE
Energy	<u>I</u> n	Synchron	In	49) MILKY WAY		HAPPINESS/DHS".	
Energy X-tra	ln In	Tuple 007	ln	001 Apollo	ln I	001 Moristo RS	<u>I</u> n
Fiesta GX 75	In In	Tuple 007 Taiwan	In	002 Sun	ln In	002 Renanos Bright	ln .
Mambo	In	Tuple 110	Out	003 Moon 004 Moon Speed	In In	003 Specialist Hibik	
Mambo C	In	Tuple 119 Tuple 911	Out	007 Big Dipper	In	004 Narucross 44 005 Annsort	Out In
Mambo GP	In	Tupie 911	Long	010 Qing	Long	006 Hammond FA Spe	
Mambo H	ln	110) KTL		011 Uranus Poly	Out	007 Hammond Pro	
Octopus	Long	001 Black Power	In [B]	955	Long	008 Renanos BS	In
Peking	In	002 Red Diamond	In [R]	9000	Iň	009 Renanos Hold	In
Samba	In	003 Stranger	Long	Earth	In	011 Narucross GS	In
Samba NTec	<u>I</u> n	004 Golden Star	In	Jupiter	<u>I</u> n	012 Learner	ln
Smart	In	005 Magic Power	Out	Mars	ln '	013 Wallest	Long
Smash	ln In	006 Pro XP	ln In	Mercury	In	015 Fastarc G-1	lñ
Tango Tango Eytrom	In In	007 Pro XT	In In	Neptune Pluto	Long	016 Fastarc S-1	ln '
Tango Extrem Tango Ultra	In Out	008 Panther 009 Falcon	In In	Pluto Saturn	Out In	017 Galze	In Out
Teacher	In	UUJ FAICON	In	Venus	In	018 Royallarge	Out
Thema	In	102) KTS			111	019 Retora 020 Flyatt	ln In
Горѕріп	In	002 Galaxy	In	50) MIZUNO		021 Pimple Slide	Out
Tramp	In	003 Tachyon	In	001 Charge SS	In	021 Pimple 3fide 022 Revspin	In
•		,		002 Plaudit MF	In	023 Jewellarge	Out
41) JUIC	_	135) LEOVIZ		003 Quasar	In	024 P 12	In
001 Aircondle	ln I	001 Penna X-6	In	004 Quasar MF	In	025 Fastarc C-1	ln
004 Nanospin	In Out	46) LION		005 Booster HP	Out	026 Zalt	In
005 Patisuma III 006 Nano Spin II	Out In	001 Roar	In	006 Opti	In	027 Alhelg	In
000 Nano 3pin n 007 T <sup>+</sup>	In	002 Claw	Long	007 Rookie	In	029 Lonfrict	Out
		003 Star	In	Booster EV	Out	Arufeel	In Anti
008 J9 <sup>+</sup> 999	In In	004 2 Stars	In	Booster SA	Out	Best Anti	Anti Out
999 999 Élite	In In	005 3 Stars	In	Charge	In	Express Graffiti	
Couga	In [B]	006 Super 3	In	Charge MF	In	Hammond	In In
Couga Dany V	in [b] In	007 5 Stars	In	ChargePro	In	Hammond FA	Out
Dany v DrivaSmash	In	008 Aggressor	In	HyperZone	In	Hammond Pro α	In
DrivaSmash SV	In	009 Allrounder	ln	Plaudit	In	Hammond-X	In
Driva Smash Ultima		010 Elite Control	In	Polaris	Out	Hi-Super Drive	In
		011 Rebirth	Out			Japan Original	
Leggy R	Long	2 Stars	In	Unison	In	japan Ongmai	In ∠

ITTF N°) SUPPLIER		ITTF N°) SUPPLIE	R	ITTF N°) SUPPLIER		ITTF N°) SUPPLIER	
	ple Type		mple Type	Brand Pimple	Туре		ole Type
J.O. Pen	In	830	In	108) SPINLORD		China Extreme	In
J.O. Shake	In	Action	Out	001 Marder	In	Chop & Drive	In
J.O. Waldner	In	Frankfurt	In	002 Tiger	In	Clippa	Out
J.O. Waldner S.C.	In	Hamburg	In	002 figer 003 Adler	In	Cobra 2000	In
Magic Carbon	In	Long-A	Long		ong.	Destroyer	Long
Micro	In	Osaka	In	Ÿ		Doer	In
Moristo 2000	In	Speed - F	Out		.ong .ong	Drive	In
Moristo 44	Out	Tokyo	In	007 Irbis	In	Energy Absorber	Anti
Moristo DF	In	Twister 8338	In			Evo	In
Moristo LP	Long	TWISTEL 0550		008 Blitzschlag L	ong	Future	In
Moristo LP One	Long	60) REACTOR		O	Out	Innova	In
Moristo SP	Out	001 Mirage	Out	010 Feuerstich L	ong Out	Innova Premium	In
Narucross	In	002 Rafale	Out	011 Waran	Out	Innova Ultra Light	In
Narucross EX	In	003 Pioneer	Out	93) SPOKEY		Innova Ultra Light	
	In	Boaz	In	001 Master	ln		In
Narucross tension Nodias	In	Ckylin	In	001 Master	111	Synergy Tech Magic	In
Pimplemini	Out	Corbor	In	67) STAG			In
		Novar	In	001 Peter Karlsson	In	Magna	
Pimplemini One	Out	Sonix	In	002 Peter Karlsson Trainin		Mendo	ln '
Refoma	In	Thunder		003 High Tension Explosiv		Mendo Energy	In
Renanos	ln L		ln In	004 Championship	In	Mendo MP	ln
Screw	Long	Tornado	In	005 International	In	Neos	ln
Screw One	Long	61) RUCANOR				Neos Sound	In
Specialist Chikara	Out		1	006 Power Drive Plus	ln In	Neos Sound Synergy Te	
Specialist One	Out	001 Competition	ln !	007 Official 008 Peter Karlsson Gen-I	In I In	Neos Synergy Tech	In
Specialist Soft	Out	Competition	In	009 Tec		Neos Tacky	In
Specialist Soft HS	Out	Mogi Ura	<u>ļ</u> n		In In	Optimum MP	ln
Spiral	In	Orient	In	010 Super	In In	Premium	In
Super Large	Out	TTB-150	In	011 Power Drive	In	Radical	Out
Universal- Ribbon	In	OZ) CANL FL		012 All Round	<u>In</u>	Royal	Out
Universal- Ribbon	Out	87) SAN - EI		013 Thunder Spin Plus		Stream	In
	Out	001 Taipan	In	All Round	ln	Triumph	In
55) PALIO		002 Samurai	In	Ninja Attack	In		
001 Macro ERA	In	003 Shogun	In	Ninja Fire	In	69) SUNFLEX	
002 Conqueror	In	_		Power Drive	In	001 Expert Xonox	In
003 Flying Dragon	Out	62) SANWEI		121) STARWOOD		002 Expert Zeno	In
004 Power Dragon	Out	001 Target	In	121) STARWOOD		003 Anti Loop	Anti
005 Thor's	In	002 Rings Link	In	001 Speed	ln	AF 50	In
006 Blit'z	In	003 Gears	In	002 Spin	ln	BZ 60	In
		005 Ghost	Out	003 Power	In	Mandarin	In
AK47	In	006 Code	Long	004 Alfa 3 L	.ong	Mikado	In
Amigo	In	007 T88 Taiji	In	005 Bravo	Out	Mogul	In
CJ8000	. In	008 T88	In	006 Alfa 9 L	.ong	Samurai	In
CK531A	Long	009 T88 - I	In		Out	Shogun	ln
Drunken Dragon	ln In	010 T88 - II	In	(O) CTICA		Sun-Control	In
Emperor Dragon	ln !	011 T88 - III	In	68) STIGA	_	Sun-Power	In
Hadou	ln	011 100 - III 012 A <sup>+</sup>	In	001 Boost TP	In	Taipan	In
Hidden Dragon	ln	UIZA	111	002 Boost TC	ln	ιαιραιι	111
HK1997	In	130) SAUER&TE	ÖCEP	003 Boost TS	In	70) SWORD	
Macro	In			004 Boost TX	In	001 Break	In
Macro Pro	In	001 Hellfire	Long	005 JMS EVO 1	In	002 Paladin	In
Wildish Dragon	In	112) SAV/ICA		006 Magna TC II	In	002 Faladili 003 Scylla	Long
WP1013	Out	113) SAVIGA	1	007 Magna TS II	In	005 Scylla 005 Maze	In
-() DE (CE		<b>"SAVIGA"</b> is also	used	008 Calibra LT	ln	005 Maze	In
56) PEACE		as part of a branc	l name	009 Calibra LT Sound	ln	006 Nano 007 Flute	In
"PEACE" is also use	ed	for "DAWEI".		010 Power LT	In	007 Flute 008 Paladin II	In
as part of a brand n	ame			011 S	ln		
for "GAMBLER".		001 Turbo	. In	012 S1	In	010 Long Can	Out
		002 Fantasy	Long	013 S2	In	2000-F	In
001 LGO 44	Out	003 27	Long	014 S3	In	Hero	In '
C'oma	In	(2) CCUII DI/DŽ	̈́т	014 33 015 S4	In	King	<u>I</u> n
Leo	In	63) SCHILDKRO		016 S5	In	RG	In
Nova	In	Avantgarde ★★★		017 Calibra LT Plus	In	72) TECNOPRO	
vela √ela		Champion ★★★	★★ In				1
veid	In	Elite	In	018 Calibra LT Spin	ln In	Competition	ln '
57) POINT BLANI	k	Energy	In	019 Magna TX	ln In	Expert	ln '
•		Jade	In	020 Calibra Tour S	In	Supercom	In
Topgun	In			021 Calibra Tour M	In	Tournament	In
58) PRASIDHA		Prestige	In	022 Calibra Tour H	In	72) TLIDEE MIMIE	
		Spinmax	In	Almana	In	73) THREE NINE	
001 Apple	In	400\ CICET		Almana Sound	ln	999 T-1	In
002 Titan	In	133) <b>SKITT</b>		Almana Sound Synergy Tec	ch In	127) THREE SWOI	DΠ
003 Long 1615	Long	001 Aconda	In	Carbo	In	· ·	
oos Long Tots	In	002 Uno	In	Carbo MC	In	001 Gallop	<u>In</u>
						L ()()) Duomant	In
004 Master 820	Out	003 Aconda Powe		Carbo Sound	In	002 Prompt 003 Leap	In In

ITTF N°) SUPPLIER Brand Pimple Type	ITTF N°) SUPPLIER Brand Pimple	Туре	ITTF N°) SUPPLIER Brand Pimp	ole Type	ITTF N°) SUPPLIER Brand Pim	ple Type
74) TIBHAR	Actor	In	129)VTEC		81) XUSHAOFA	
001 Sinus In	Barri - Up	In	001 V I	ln	999	In
002 Grass Flex Out	Bjorn	In			999 LSZ	In
003 Grass Ultra Long	Bolt	ln	124) WILSON		999 ZCD	In
004 Primus In	Brio	In	003 Hammer 3.0	ln In	Globe 999	In
005 Genius In		ong. Out	004 Reaction 5.0	In	82) YAPING	
006 Nianmor In 007 Aurus In	I .	ong	109) WIN		139	In
008 Grip - S In		ong	001 Spear	ln		•••
009 Genius + In	D-Top	In	002 Aegis	In	83) YASAKA	
010 Mythik Long	Giant	In	003 Axe 004 Bow	In In	001 Pryde	ln In
012 Evolution FX - P In	Hiyaku	In		111	002 Pryde 30 003 Xtend LB	In Out
013 Evolution MX - P In		Out	78) WINNING		004 Cadet	In
014 Grip - S Europe In		Out Out	738 Super	In	005 Marvelous	Out
015 1Q In 016 5Q In	Real	In	Friendship 729 Super T King Power Komanr	TSS In In	006 Pryde 40	In
017 Evolution EL - P In		Out	King rower Komani Komann	ı III İn	007 Rákza 7	In
018 Evolution MX - S In	Summit	In	Komann Super Fit	In	008 Rakza 9	ln
019 5Q + In	Super Spinpips	Out	NP - 1	Out	009 Rakza 7 Soft	<u>I</u> n
Bungee In	Tarbit	In	NP - 2	Out	010 Rakza 9 Soft 011 Mark V HPS	In In
Dang In	T - Rex	In .	NP - 6	Out	012 Mark V HPS So	
Ellen Anti	Triple	In	NP - 8	Out	013 Rakza PO	Out
Extra Long Long	Tyranno UQ	Out   In	79) XIOM		014 Rifle	In
Grass D. Toss Long	X's	In	002 Zeta	In	015 Rifle Speed	In
Grass D. TecS Long Learn Cont In	X's F-1	In	003 Omega IV	In	Anti Power	Anti
Learn Cont In Learn Spin In	X's F-1 V	ln	007 Sigma III	ln	A-1-2 A-1	Out
Legend In	10C) TTATO7		008 Vega Europe	In	A-1-2 A-2	Out
Nimbus In	126) TTATOZ	.	009 Vega Asia	ln	Cobalt <b>α</b> Cobalt X1	Out Out
Norm In	001 TTATOZ Spin 002 TTATOZ Speed	In In	011 Zava 1	Out	Cobalt X2	Out
Phantom In		Out	012 Vega Pro	ln In	Extreme Speed	In
Rapid In		Out	013 Vega Elite 014 Tau I	In In	Fusion	In
Rapid D. TecS In Rapid Soft In		ong	015 Tau II	In	Large Pro	Out
Rookie D. TecS In	006 TTATOZ Basic	In	016 Tau III	ln	Mark V	In
Samurai In	007 TTATOZ Power	In	017 Omega IV Pro	In	Mark V AD	In '
Serie 2000 In	96) TUTTLE		018 Omega IV Asia	In	Mark V GPS Mark V M <sup>2</sup>	ln In
Speedy Soft Out	001 Beijing	In	019 Omega IV Euro	•	Mark V XS	In
Speedy Soft D. TecS Out	002 World No. 1	In	020 Omega IV Elite	In In	New Era	In
Speedy Spin In	004 LV	ln	023 Vega China VH 024 Vega China VM	In In	Original	In
Speedy Spin Premium In	005 888	ln	025 Zava II	Out	Original	Out
Standard In Storm In	006 Spring - 3B	In	026 Sigma I Pro	In	Original A-1	Out
Super Defense 40 In		Out	027 Sigma I Europe	In	Original A-2	Out
Torpedo In		ong .	028 Omega II	In	Original Extra	In
Vari Spin In		Out Anti	029 Omega III	In	PB-1 Phantom 007	Out Long
Vari Spin D. TecS In	OTO FIEVERILION / NC /	AIIU	030 Sigma II Europe		Phantom 008	Long
Volcano In	119) UNOAMI		031 Musa I 032 Musa II	In In	Phantom 009	Long
75) TONI HOLD	001 Hanma	In	033 Vega Japan	In	Phantom 0011 ∞	Long
"TONI HOLD" is also	85) V 3 TEC		034 Sigma II Pro	ln	Phantom 0012 ∞	Long
used as part of a brand	001 Spin Attack X3	In	035 Omega V Tour	In	Top 12	<u>I</u> n
name for "JOOLA".	001 Spiri Attack AS 002 Fast Control S1	In I	036 Omega V Pro	In	Vision	ln
Anti Topspin New 40 Anti	003 Power Drive Y5	In	038 MUV° Prospin	In	V Stage	In
• •			039 MUV <sup>o</sup> Eurospin		Wallie	ln In
76) TSP	123) VALOR		040 MUVº Hyspin 041 MUVº Vspin	In In	Xtend	In In
001 Curl P-H Long 004 Grandy In	001 Premier	Out	Omega I	In	Xtend HS	In Out
005 Agrit In	117) VICTAS		Omega II	In	Xtend PO Zap	Out In
006 Agrit Speed In	l ·	Out	Omega III	In	Ζαρ	111
007 Rise In		Out	True – Innovation	In	84) YASHIMA	
008 Rise Speed In	003 VS > 401	ln	Yanus – DF	In	Competition XR300	
009 Curl P-4 Long	004 VS > 402	In	80) XIYING		Go Sport XR3000	ļn
010 Spin Magic Out		Out	001 999 Sharing Liml	oo In	Go Sport XX5	ln
011 Ventus Speed In	006  V > 01	In In	889	Out	Upper Spin Competition XR	7 In
012 Ventus Spin In 013 Ventus Soft In	007 V > 01 Limber 008 V > 01 Stiff	In In	979	Long	XX 3	. 7 In In
730 In	OUU V / UI JUII	***	999	In	XX 5	In
		'				

