

# LARC (LIST AUTHORISED RACKET COVERINGS) N°33 1 JULY 2012 – 31 DECEMBER 2012

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The new rubbers entering LARC 33 appear in **bold italics**, whilst other changes appear in **bold**, and both are valid with immediate effect. Dark sponge (black, blue, brown, green, purple) should not be used under translucent red coverings (most red coverings are translucent). It is the player's responsibility to use a racket covering which appears bright red, and the use of a dark sponge under a translucent top sheet is likely to make the rubber illegal. Even if racket coverings appear in this LARC without reference to sponge, the Law 2.4.3. governs the use of sponge.

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](http://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

[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.

‡ Indicates a version available with a textile reinforcement, intended to be used without sponge.

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



ITTF N°) SUPPLIER		ITTF N°) SUPPLIER		ITTF N°) SUPPLIER		ITTF N°) SUPPLIER	
Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type
<b>115) 61 SECOND</b>		<b>89) AMSIR</b>		Trophy	In	930 S	In
001 Wind FT	Long	002 Fantasy	In	Upgrade	In	<b>06) ATEMI</b>	
002 Lightning DS	In	003 Flutter	Long	<b>04) ARMSTRONG</b>		Ace	In
003 Thunder LM	In	005 Glory	In	Aka Mark Max	Out	Advantage	In
<b>01) 999</b>		006 Luxury	In	Attack 3 Type L	Out	Challenge	In
<b>"999" is also used as part of a brand name for "CRACK", "GLOBE", "JUIC", "THREE NINE", "XIYING" and "XUSHAOFA".</b>		007 Sensation	Long	Attack 3 Type M	Out	Debut	In
889	Out	008 Surprise	Long	Attack 8 Type L	Out	Fight Power	In
999 T-2	In	009 Victory	In	Attack 8 Type M	Out	Ippon	In
999 T-3	In	010 Shot	Out	Attack 8 Type M EXX	Out	Super Champ	In
Super 999 T	In	<b>03) ANDRO</b>		Conqueror	In	<b>07) AVALOX / AVX</b>	
<b>105) ADIDAS</b>		001 Roxon	In	Conqueror SS	In	001 Purot	In
001 Repulse 500	In	002 Roxon 500 Pro	In	Hikari Drive	In	002 Sogno	In
002 Repulse 700	In	003 Roxon 330	In	Hikari SR7	In	Athlos	In
003 P 3	In	004 Blowfish	Out	Long Pimple	Out	Horme	In
004 R 4	In	005 Blowfish +	Out	New Anti Spin	Anti	Mo	Long
005 P 5	In	006 Chaos	Long	New Chopper	In	Pronte	In
006 R 6	In	007 Hexer	In	New Spirit Hi	In	Sterco	In
007 Tenzone	In	008 Hexer +	In	Red Mark	In	<b>08) BANCO</b>	
008 Tenzone SF	In	009 Revo Fire	In	Red Mark Type 1-4	Out	001 Extreme	In
009 Syntec	In	010 Hexer Duro	In	Red Mark Type 1-5	Out	002 Dynamic	In
010 Syntec SF	In	011 Hexer Pips	Out	Rosin	Out	003 Ouragan	In
011 P 7	In	012 Hexer Pips +	Out	Twister	Long	004 Megaspinn	In
<b>012 Blaze Spin</b>	<b>Out</b>	013 Sonnentau	In	Twister EXT	Out	Allstar	In
<b>013 Blaze Speed</b>	<b>Out</b>	014 Shifter	In	Vector	In	Diva Energie	In
<b>014 Syntec Fast</b>	<b>In</b>	015 Shifter Powersponge	In	W-α Ex x	Out	Dreamfire	In
<b>02) AHUAYI</b>		016 Backside 2.0	In	Warrior	In	Excellence	In
001 666	In	017 Nightmare	In	<b>05) ARTENGO</b>		Feeling	In
<b>106) AIR</b>		018 Hexer HD	In	001 930 A	In	Furio	In
<b>"AIR" is also used as part of a brand name for "JOOLA".</b>		<b>019 Rasant</b>	<b>In</b>	003 920 S	In	Futura Energie	In
001 Scirocco	In	<b>020 Impuls Powersponge</b>	<b>In</b>	004 950 S	In	Impact Energie	Out
002 Panamera	Out	Backside	In	005 900 C	In	Perfect	In
003 Upupupup	Long	Classic	Out	007 851 O	In	Puissance	In
004 Classique	Out	Impuls	In	008 861 O	In	Start ☆☆	In
005 Illumina	In	Impuls Speed	In	009 881 O	In	Start ☆☆☆	In
		Logo	Out	010 703 O	In	Variation Energy	In
		LP – 22	Long	011 853 O	In	<b>12) BOMB</b>	
		Plasma	In	012 863 O	In	001 Oscule	In
		Revolution C.O.R. <sup>2</sup>	In	013 883 O	In	Apex	In
		Revolution C.O.R Pips	Out	<b>014 893 O</b>	<b>In</b>	Bombard	In
		Revolution Quad	In	702 O	In	Hammer	Out
		Rocket	In			King Roc	Out
		Start	In			Mopha	In

ITTF N°) SUPPLIER		ITTF N°) SUPPLIER		ITTF N°) SUPPLIER		ITTF N°) SUPPLIER	
Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type
Raider	In	Sriver G2 FX	In	<b>99) CTT</b>		Coppa JO Silver	In
Rex	In	Sriver L	In	001 National Pride	In	Coppa Tagora	In
Talent	Long	Sriver S	In	002 National Strike	In	Coppa Tenero	In
Tensa	In	Stayer	In	003 National Pogo	Long	Desto F1	In
Ufo	In	Super Anti	Anti	004 National Hero	In	Desto F2	In
Violent	In	Super-Sriver	In	<b>19) DARKER</b>		Desto F3	In
<b>14) BUTTERFLY</b>		Tackifire-C	In	Provine	In	Duo	In
001 Tenergy 05	In	Tackifire-D	In	Spalbird	In	Easy-Slick	In
002 Tenergy 25	In	Tackifire SP	In	Vlon-S	In	Gallardo Power Sound	In
003 Tenergy 64	In	Tackiness-C	In	<b>20) DAWEI</b>		Gallardo Sound	In
004 Pan Asia - X	In	Tackiness-C II	In	2008	In	Gallardo Speed	In
005 Spinart	In	Tackiness-D	In	388A	In	J.O. Waldner	In
006 Sriver G3	In	Tempest	In	388A-4	In	Liga	In
007 Sriver G3 FX	In	Wakaba	In	388C-1	Out	Piranjá FD TEC	Long
008 Roundell	In	West Will	Out	388D	Long	Quattro	In
009 Tenergy 05 FX	In	Yuki	In	388D-1	Long	Quattro A'Conda	In
010 Tenergy 25 FX	In	<b>15) CARREFOUR</b>		Inspirit	In	Quattro Formula	In
011 Tenergy 64 FX	In	Top Life	In	Saviga	In	Slice 40	In
012 Flarestorm II	Out	<b>16) CHAMPION</b>		Saviga V	Long	Solo	In
013 Addoy	In	"CHAMPION" is used as		<b>118) DER-</b>		Sonex JP	In
014 Wakaba	In	part of a brand name for		<b>MATERIALSPEZIALIST</b>		Sonex JP Gold	In
015 Pan Asia	In	"SCHILDKRÖT".		001 Nightmare	Anti	Sonex JP Soft	In
016 Yuki	In	Apache	In	<b>002 Beast</b>	<b>Anti</b>	Twingo	In
017 Dignics	In	Aragorn	In	<b>003 Undertaker</b>	<b>Long</b>	Twister 40	Out
<b>018 Tenergy 80</b>	<b>In</b>	Cyclops	In	<b>21) DONIC</b>		Vari-Slick	In
<b>019 Largestorm</b>	<b>Out</b>	Elyson	In	001 Coppa JO Platin	In	Vario	In
Addoy	In	Hexa	In	002 Vario Gold	In	Vario Cooper S	In
Biriba	In [R]	Iason	In	003 Alligator Def	Long	Vario Soft	In
Black	In [B]	Khan	In	006 Baracuda	In	<b>22) DONIER</b>	
Bryce	In	Mercury	In	007 Coppa Speed	In	Max	In
Bryce FX	In	Next	In	008 Baxster LB	Out	Max Attack	In
Bryce Speed	In	Partizan	In	009 Twister LB	Out	SP 2	In
Bryce Speed FX	In	Quantum	In	010 Vario Big Slam	In	SP 4	In
Catapult	In	Spartan	In	011 Acuda S1	In	SP 8	In
Cermet	In	Trident	In	012 Acuda S2	In	SP 12	In
Challenger Attack	Out	Trojan	In	013 Acuda S3	In	Versus	In
Challenger Large	Out	Tron	In	014 Coppa X1	In	<b>23) DOUBLE FISH</b>	
D'Or	In	Ulyssis	In	015 Coppa X2	In	001 A One	In
Driver	In [R]	<b>17) CORNILLEAU</b>		016 Coppa X3	In	002 FA 213	In
Ekrips	In	001 ★	In	017 Traction HS	In	003 FC 218	In
Feint AG	Long	002 ★★	In	018 Traction MS	In	004 FS 232	In
Feint Long II	Long	003 ★★★	In	019 Waldner Legend	In	005 FL 233	In
Feint Long III	Long	004 ★★★★	In	020 Vario Platin	In	006 8338	In
Feint-Ox	Long	005 ★★★★★	In	021 Vario Sound	In	007 8484	In
Feint-Soft	Long	006 ★★★★★★	In	022 Alligator Anti	Anti	008 1615	Long
Flarestorm	Out	007 Performa 1	In	023 Anti Classic	Anti	009 815	In
Flextra	In	008 Performa 2	In	024 Acuda S1 Turbo	In	010 820 A	Out
Fraulein	In	009 Pilot Advance	In	<b>025 Bluefire M1</b>	<b>In</b>	011 830	In
Large 44 DX	Out	010 Pilot Power	In	<b>026 Bluefire M2</b>	<b>In</b>	012 Volant	In
Lemuria	In	011 Pilot Style	In	<b>027 Bluefire M3</b>	<b>In</b>	013 Volant 2	In
Magnitude	Long	012 Pilot Control	In	<b>028 Piranja Anti</b>	<b>Anti</b>	014 Volant 3	In
Morim	In	013 Drive Style	In	66 GS	In	815	In
NS 44	Out	014 Drive Control	In	77 GS	In	820A	Out
Orthodox-DX,103	Out	015 Start Up'	In	★	In	830	In
Pan Asia	In	016 Pulse Racer	In	★★	In	1615	Long
Pecular	Out	017 Pulse Rider	In	★★★	In	8338	In
Raystorm	Out	018 Target Ultim	In	★★★★	In	8484	In
Rein	Out	019 Target Sound	In	Akkadi Java	In	F.A. 213	In
Relop Attack	Long	020 Target Force	In	Akkadi K 1	Out	F.C. 218	In
Relop Large	Out	<b>18) CRACK</b>		Akkadi K 2	Out	F.L. 233	In
Sapphira	In	999	In	Akkadi L 1	Long	F.S. 232	In
Selvid	In	Master	In	Akkadi L 2	Long	Volant	In
Soft	In	SP	In	Akkadi Taichi	In	<b>24) DOUBLE</b>	
Solcion	In	Twister	In	Alpha-Slick	In	<b>HAPPINESS / DHS</b>	
Speedy-P.O.	Out			Baxster	Out	001 Hurricane	In
Sprier	In			Blues	In	002 Hurricane II	In
Sriver EL	In			Coppa	In	004 PF 4	In
Sriver FX	In			Coppa JO	In	005 Skyline II	In
Sriver G2	In			Coppa JO Gold	In	006 Skyline III	In

ITTF N°) SUPPLIER		ITTF N°) SUPPLIER		ITTF N°) SUPPLIER		ITTF N°) SUPPLIER	
Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type
008 Memo	In	004 Boomerang Classic	Long	R.I.T.C. 802-1	Out	<b>31) GKI</b>	
009 Memo II	In	005 Gorilla	Anti	R.I.T.C. 802-40	Out	001 Nano Sting	Long
010 Memo III	In	006 Grizzly	Anti	R.I.T.C. 804	Anti	002 Euro ChelonZ	In
013 6512	In	007 Anti Special	Anti	R.I.T.C. 837	Long	004 ChelonZ HybridZ	In
014 PF 4-1	In	008 A - B - S	Anti	R.I.T.C. 2000 Tack-Speed	In	005 HybridZ GX	In
018 G 888	In	009 Fighter	Long	Sky-Wing	In	Euro *	In
027 C 8	Long	010 Inferno Classic	Long	Super 729 FX	In	Euro Jumbo	In
028 Cloud & Fog II	Out	011 Desperado	Long	Top Point	In	Euro Spintec	In
040 PF 4 Nittaku	In	012 Terminator	Out ‡			Euro V	In
041 G 888 Nittaku	In	Diamant	Out	<b>28) GAMBLER</b>		Euro XX	In
045 Tin Arc	In	Domination	In	001 Wraith	In	Nano Attack	Out
046 Tin Arc II	In	Leopard	Out	002 Shadow	In	Nano Force	In
047 Tin Arc III	In	Pistol	Out	003 Reflectoid	In		
048 Gold Arc	In	Tornado Ultra	Out	4 Kings	In	<b>32) GLOBE</b>	
049 Gold Arc II	In			Aces	In	"GLOBE" is also used as part of a brand name for "XUSHAOFA".	
050 Gold Arc III	In	<b>111) DSP.CUP</b>		Outlaw	In		
054 Hurricane 8	In	001 Superwave.AX	In	Peace Keeper	Out	001 Mo Wang	Long
055 Hurricane 9	In	<b>107) DUNLOP</b>		Six Shooter	In	002 Mo Wang II	Long
108 Hurricane III	In	001 Blackstorm Nitro	In			888	Out
651	Out	002 Blackstorm Nemesis	In	<b>120) GEILI</b>		889	Out
652	Out	003 Venom Control	In	003 Quicken	In	889-2	Out
6512	In	004 Venom Power	In	<b>112) GENOTE</b>		979	Long
874	Out	005 Venom Attack	In	001 Peak-power	In	999	In
C7	Out	006 Venom Spin	In	<b>29) GEWO</b>		999T	In
C - 8	Long	007 4D Ultimate	In	001 Proton	In	Awala	In
Cloud & Fog II	Long	<b>080</b> Evolution Max	In	002 Stratos	In	Jinxuanfeng II	In
Cloud & Fog III	Long	<b>090</b> Revolution Max	In	003 Reflexx	In	Jinxuanfeng III	In
Dipper	In	<b>100</b> Revolution Max II	In	004 Thunderball 2	In	Liqin	In
Dipper II	In	<b>27) FRIENDSHIP</b>		<b>005 Return</b>	<b>In</b>	Magicwand	In
Dipper III	In	"FRIENDSHIP" is also used as part of a brand name for "KOKUTAKU", "WINNING".		<b>006 Flexxon</b>	<b>In</b>	Prize	In
Dragonow	Out				Mega Flex Control	In	Taiphon Gold
G555	In	001 R.I.T.C 729 - 5	In	Nano	In	Tropy	In
G666	In	002 R.I.T.C. 755 - 2	Long	Target airTEC	In	Trump Card	In
G666 Nittaku	In	003 Kokutaku New 729-2	In	Target Energy	In		
G777	In	004 R.I.T.C 729 - 08	In	<b>30) GIANT DRAGON</b>		<b>86) GUO AO</b>	
G888	In	005 729 105	Out	001 Taichi	In	001 718	In
G888 Nittaku	In	006 729 Battle	In	002 Karate	In	<b>34) GUOQIU</b>	
Hurricane	In	007 729 Battle II	In	003 Meteorite	Long	001 Gong Fu	In
Hurricane II	In	008 729 Origin	In	004 Giant Long	Long	AB	In
Hurricane III	In	729 Focus	In	005 Allround	In	FF	In
Magican	In	729 Focus II	In	006 Guard	Anti	HB	In
Magican II	In	729 Focus III	In	007 Submarine	In	MG	Long
Magican III	In	729 High Point	In	008 Topenergy	In	MG II	Long
Memo	In	729 High Point	In	009 Superspin G3	In	SS	Out
Memo II	In	Kokutaku 563 - 1	Out	010 Superspin G4	In	<b>90) HAIFU</b>	
Memo III	In	Kokutaku 729-40 H	In	011 Superveloce V12	In	001 Whale	In
Nittaku C 7	Out	Kokutaku 729-40 S	In	012 Dragon Talon	Long	002 Shark	In
Nittaku Hurricane II	In	Kokutaku 755	Long	013 Snowflake	Long	003 Penguin	Out
Nittaku Hurricane III	In	Kokutaku 802-40	Out	014 Cropcircles	Long	004 Dolphin	Out
Nittaku Hurricane Pro II	In	Kokutaku R.I.T.C. 729 SP	In	015 Blast	Out	005 Whale III	In
Nittaku Hurricane Pro III	In	R.I.T.C. 563	Out	016 612	Out	006 Shark III	In
PF 4	In	R.I.T.C. 563-1	Out	017 Attack Long	Long	007 Pirates 07	In
PF 4-1	In	R.I.T.C. 729	In	018 Commander	In	008 Pirates 08	In
Sharping	Out	R.I.T.C. 729-2	In	019 Storm	In	009 Octopus	Long
Sharping Nittaku	Out	R.I.T.C. 729-3	In	020 Future	In	010 O. Orca	In
Skyline	In	R.I.T.C. 729-40H	In	021 Soft Anti	In	011 Otariidae	In
Skyline II	In	R.I.T.C. 729-40S	In	022 Peril Anti	In		
Skyline III	In	R.I.T.C. 729 Cream	In	807	In	<b>97) HALEX</b>	
Surpass	In	R.I.T.C. 729 Dr. Evil	Out	8086	In	(no other mark)	In
TNT	In	R.I.T.C. 729 Faster	In	8087	In	XR - 3000	In
TNT II	In	R.I.T.C. 729 GeoSpin	In	8088	In	<b>35) HALLMARK</b>	
TNT III	In	R.I.T.C. 729 GeoSpin Tacky	In	8228 A	Out	002 Podium	In
TNT Nittaku	In	R.I.T.C. 729 Higher	In	8228 B	In	003 Friction Super Special	Long
		R.I.T.C. 729 SP	In	Extspeed	In	004 Pheonix	Long
<b>25) DOUBLE POWER</b>		R.I.T.C. 729 SST	In	Maxspin	In	005 Friction Special 2	Long
No. 3080	In	R.I.T.C. 755	Long	Superspeed	In	006 Green Power	In
<b>26) DR NEUBAUER</b>		R.I.T.C. 799	Out	Superspin	In	Frustration	Long
001 Special Defence	In	R.I.T.C. 802	Out	Superspin G2	In		
002 Goliath	In						
003 Monster Classic	Long						

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Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type
Half Long	Out	Thema	In	003 Stranger	Long	<b>50) MIZUNO</b>	
Magic Pips	Out	Topspin	In	004 Golden Star	In	001 Charge SS	In
Mirage	Anti	Tramp	In	005 Magic Power	Out	002 Plaudit MF	In
Panther	Out	<b>41) JUIC</b>		<b>006 PRO XP</b>	<b>In</b>	003 Quasar	In
Power Spin	In	001 Aircondle	In	<b>007 PRO XT</b>	<b>In</b>	004 Quasar MF	In
<b>125) HEATT</b>		004 Nanospin	In	<b>102) KTS</b>		<b>005 Booster HP</b>	<b>Out</b>
<b>001 Fair Play</b>	<b>Out</b>	005 Patisuma III	Out	002 Galaxy	In	Booster EV	Out
<b>104) HUARUITE</b>		006 Nano Spin II	In	<b>46) LION</b>		Booster SA	Out
001 Wujilong	In	<b>007 T+</b>	<b>In</b>	001 Roar	In	Charge	In
<b>36) IMPERIAL</b>		<b>008 J9+</b>	<b>In</b>	002 Claw	Long	Charge MF	In
001 Factor	In	999	In	003 Star	In	ChargePro	In
China	In	999 Élite	In	004 2 Stars	In	HyperZone	In
Crash	In	Anti Super Spin	Anti	005 3 Stars	In	Plaudit	In
Cyber Tacky	In	Couga	In [B]	006 Super 3	In	Polaris	Out
Force	In	Dany III	In	007 5 Stars	In	Unison	In
Rubber 11 20 one	In	Dany V	In	008 Aggressor	In	<b>51) NB ENEBE</b>	
Rubber 45 20 one	In	DrivaSmash	In	009 Allrounder	In	★	In
Super Strike	In	DrivaSmash SV	In	010 Elite Control	In	★★	In
Swift	In	Driva Smash Ultima	In	011 Rebirth	Out	★★★	In
<b>38) JAPTEC</b>		Leggy R	Long	2 Stars	In	Pro	In
Balance	In	Masterspin	Out	3 Stars	In	<b>91) NEOTTEC</b>	
DL - 01	Long	Masterspin II	Out	5 Stars	In	001 Hinomi	In
Experience	In	NanoCannon	In	Aggressor	In	002 Iken	In
Performance	In	Neo Anti	Anti	Allrounder	In	003 Katana	In
Precision	In	Offense	Out	Elite Control	In	004 Tokkan	Long
<b>40) JOOLA</b>		Patisuma	Out	International	In	005 Maxima	In
001 Express	In	Patisuma II	Out	Scirocco	In	006 Enkei	In
002 Shark	Long	PipsAce	Out ‡	SS 800	In	<b>94) NEXY</b>	
003 Orca	Long	Scramble	In	Star	In	001 Demian	In
004 Amy	Anti	Scramble 21	In	Super 3	In	002 Kairos	Out
005 Express X-Plode	In	Shenron	In	Typhoon	In	003 Chaos	Long
006 Express Ultra	Out	Spark	In	XA 900	In	<b>53) NIMATSU</b>	
007 Phénix	In	SpinSpiel	In	<b>47) LKT</b>		001 Chimera	In
008 X-Plode	In	Varites	In	001 Rapid Speed	In	002 Zerberus	Long
009 Brave	In	<b>42) KETTLER</b>		002 Rapid Power	In	Hurricane	In
010 Turbo	In	Coach	In	003 Rapid Sound	In	Pegasus	In
011 Samba +	In	Master	In	004 Rapid Soft	In	Scorpion	In
012 timeless	Anti	Professional	In	005 Black Power	In[B]	Spinfighter ★★★	In
013 Rhyzm	In	<b>43) KILLERSPIN</b>		006 Red Diamond	In[R]	XX5	In
4 all	In	001 Blast	In	Pro XP	In	<b>54) NITTAKU</b>	
4 You	In	002 Fortissimo	In	Pro XT	In	“NITTAKU” is also used as part of some brand names for “DOUBLE HAPPINESS/DHS”.	
air !	In	003 GT 2	In	Recoil	In		
Anti Topspin Toni Hold	Anti	Nitrx-4Z	In	Torrent E.G.S.	In	001 Moristo RS	In
Badman	Long	<b>44) KINSON</b>		<b>48) METEOR</b>		002 Renanos Bright	In
Basic	In	Perfect	In	575	Out	003 Specialist Hibiki	Out
Compass	In	Super Spin	In	71-1	Long	004 Narucross 44	Out
Drum	In	<b>45) KOKUTAKU</b>		71-2	Out	005 Annsort	In
Energy	In	“KOKUTAKU” is also used as part of a brand name for “FRIENDSHIP”.		813	In	006 Hammond FA Speed	Out
Energy X-tra	In		Big Star	In	835	In	007 Hammond Pro ß
Fiesta	In	BLütenkirsche 868	In	845	Out	008 Renanos BS	In
GX 75	In	BLütenkirsche 868 Tokyo	In	8512	Long	009 Renanos Hold	In
Mambo	In	Clitter	Out	9012	Long	011 Narucross GS	In
Mambo C	In	Friendship 729 Super	In	<b>49) MILKY WAY</b>		012 Learner	In
Mambo GP	In	Spec-V	In	001 Apollo	In	013 Wallest	Long
Mambo H	In	Spindle	In	002 Sun	In	015 Fastarc G-1	In
Octopus	Long	Synchron	In	003 Moon	In	016 Fastarc S-1	In
Peking	In	Tuple 007	In	955	Long	017 Galze	In
Samba	In	Tuple 007 Taiwan	In	9000	In	018 Royallarge	Out
Samba NTec	In	Tuple 110	Out	Earth	In	019 Retora	In
Smart	In	Tuple 119	Out	Jupiter	In	020 Flyatt	In
Smash	In	Tuple 911	Long	Mars	In	021 Pimple Slide	Out
Staccato	Out	<b>110) KTL</b>		Mercury	In	022 Revspin	In
Tango	In	001 Black Power	In [B]	Neptune	Long	023 Jewellarge	Out
Tango Extrem	In	002 Red Diamond	In [R]	Pluto	Out	024 P 12	In
Tango Ultra	Out			Saturn	In		
Teacher	In			Venus	In		

ITTF N°) SUPPLIER		ITTF N°) SUPPLIER		ITTF N°) SUPPLIER		ITTF N°) SUPPLIER	
Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type
<b>025 Fastarc C-1</b>	<b>In</b>	001 LGO 44	Out	Champion ★★☆☆	In	Clippa	Out
<b>026 Zalt</b>	<b>In</b>	C'oma	In	Elite	In	Cobra 2000	In
<b>027 Alhelg</b>	<b>In</b>	Leo	In	Energy	In	Destroyer	Long
Arufeel	In	Nova	In	Jade	In	Doer	In
Best Anti	Anti	Vela	In	Prestige	In	Drive	In
Express	Out	<b>57) POINT BLANK</b>		Spinmax	In	Energy Absorber	Anti
Graffiti	In	Topgun	In	<b>108) SPINLORD</b>		Evo	In
Hammond	In	<b>58) PRASIDHA</b>		001 Marder	In	Future	In
Hammond FA	Out	001 Apple	In	002 Tiger	In	Innova	In
Hammond Pro α	In	<b>002 Titan</b>	<b>In</b>	003 Adler	In	Innova Premium	In
Hammond X	In	<b>003 Long 1615</b>	<b>Long</b>	004 Zeitgeist	Long	Innova Ultra Light	In
Hi-Super Drive	In	<b>004 Master</b>	<b>In</b>	005 Stachelfeuer	Long	Innova Ultra Light	
Japan Original	In	820	Out	006 Dornenglanz	Long	Synergy Tech	In
J.O. Pen	In	830	In	007 Irbis	In	Magic	In
J.O. Shake	In	838	In	<b>008 Blitzschlag</b>		Magna	In
J.O. Waldner	In	1615	Long	<b>93) SPOKEY</b>		Mendo	In
J.O. Waldner S.C.	In	Action	Out	001 Master	In	Mendo Energy	In
Magic Carbon	In	Frankfurt	In	<b>66) SPORTCRAFT</b>		Mendo MP	In
Micro	In	Hamburg	In	★☆☆☆	In	Neos	In
Moristo 2000	In	Long A	Long	★☆☆☆	In	Neos Sound	In
Moristo 44	Out	Osaka	In	<b>67) STAG</b>		Neos Sound Synergy Tech	In
Moristo DF	In	Speed - F	Out	001 Peter Karlsson	In	Neos Synergy Tech	In
Moristo FG	In	Tokyo	In	002 Peter Karlsson Training	In	Neos Tacky	In
Moristo LP	Long	Twister 8338	In	003 High Tension Explosive	In	Optimum MP	In
Moristo LP One	Long	<b>60) REACTOR</b>		004 Championship	In	Premium	In
Moristo SP	Out	001 Mirage	Out	005 International	In	Radical	Out
Narucross	In	002 Rafale	Out	006 Power Drive Plus	In	Royal	Out
Narucross EX	In	003 Pioneer	Out	007 Official	In	Stream	In
Narucross tension	In	Boaz	In	008 Peter Karlsson Gen-II	In	Triumph	In
Nodias	In	Cylin	In	009 Tec	In	<b>69) SUNFLEX</b>	
Pimplemini	Out	Corbor	In	All Round	In	001 Expert Xonox	In
Pimplemini One	Out	Novar	In	Ninja Attack	In	002 Expert Zeno	In
Refoma	In	Sonix	In	Ninja Fire	In	003 Anti Loop	Anti
Renanos	In	Thunder	In	Power Drive	In	AF 50	In
Screw	Long	Tornado	In	Thunder Spin	In	BZ 60	In
Screw One	Long	<b>61) RUCANOR</b>		<b>121) STARWOOD</b>		Mandarin	In
Specialist Chikara	Out	001 Competition	In	001 Speed	In	Mikado	In
Specialist One	Out	Competition	In	002 Spin	In	Mogul	In
Specialist Soft	Out	Mogi Ura	In	003 Power	In	Samurai	In
Specialist Soft HS	Out	Orient	In	<b>68) STIGA</b>		Shogun	In
Spiral	In	TTB-150	In	001 Boost TP	In	Sun-Control	In
Super Large	Out	<b>87) SAN - EI</b>		002 Boost TC	In	Sun-Power	In
Tracer	In	001 Taipan	In	003 Boost TS	In	Taipan	In
Universal- Ribbon	In	002 Samurai	In	004 Boost TX	In	<b>70) SWORD</b>	
Universal- Ribbon	Out	003 Shogun	In	005 JMS EVO 1	In	001 Break	In
<b>55) PALIO</b>		<b>62) SANWEI</b>		006 Magna TC II	In	002 Paladin	In
001 Macro ERA	In	001 Target	In	007 Magna TS II	In	003 Scylla	Long
002 Conqueror	In	002 Rings Link	In	008 Calibra LT	In	005 Maze	In
003 Flying Dragon	Out	003 Gears	In	009 Calibra LT Sound	In	006 Nano	In
004 Power Dragon	Out	005 Ghost	Out	010 Power LT	In	007 Flute	In
005 Thor's	In	006 Code	Long	011 S	In	2000-F	In
006 Blit'z	In	007 T88 Taiji	In	012 S1	In	Hero	In
AK47	In	008 T88	In	013 S2	In	King	In
Amigo	In	009 T88 - I	In	014 S3	In	RG	In
CJ8000	In	010 T88 - II	In	015 S4	In	<b>72) TECNOPRO</b>	
CK531A	Long	011 T88 - III	In	016 S5	In	Competition	In
Drunken Dragon	In	<b>113) SAVIGA</b>		017 Calibra LT Plus	In	Expert	In
Emperor Dragon	In	"SAVIGA" is also used		018 Calibra LT Spin	In	Supercom	In
Hadou	In	as part of a brand name		019 Magna TX	In	Tournament	In
Hidden Dragon	In	for "DAWEI".		Almana	In	<b>73) THREE NINE</b>	
HK1997	In	001 Turbo	In	Almana Sound	In	999 T-1	In
Macro	In	002 Fantasy	Long	Almana Sound Synergy Tech	In	<b>127) THREE SWORD</b>	
Macro Pro	In	<b>003 27</b>	<b>Long</b>	Carbo	In	001 Gallop	In
Maximo	In	<b>63) SCHILDKRÖT</b>		Carbo MC	In	002 Prompt	In
Wildish Dragon	In	Avantgarde ★★	In	Carbo Sound	In	003 Leap	In
WP1013	Out			China Extreme	In		
<b>56) PEACE</b>				Chop & Drive	In		
"PEACE" is also used							
as part of a brand name							
for "GAMBLER".							

ITTF N°) SUPPLIER		ITTF N°) SUPPLIER		ITTF N°) SUPPLIER		ITTF N°) SUPPLIER	
Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type
<b>74) TIBHAR</b>		<b>010 Spin Magic</b>	<b>Out</b>	002 VLB - 301	Out	999 ZCD	In
001 Sinus	In	730	In	003 VS - 401	In	Globe 999	In
002 Grass Flex	Out	Actor	In	004 VS - 402	In	<b>82) YAPING</b>	
003 Grass Ultra	Long	Barri - Up	In	005 VO - 102	Out	139	In
004 Primus	In	Bjorn	In	<b>124) WILSON</b>		<b>83) YASAKA</b>	
005 Genius	In	Bolt	In	003 Hammer 3.0	In	001 Pryde	In
006 Nianmor	In	Brio	In	<b>004 Reaction 5.0</b>	<b>In</b>	002 Pryde 30	In
007 Aurus	In	Cesalo	In	<b>109) WIN</b>		003 Xtend LB	Out
008 Grip - S	In	Curl P-1 R	Long	001 Spear	In	004 Cadet	In
009 Genius +	In	Curl P-2	Out	002 Aegis	In	005 Marvelous	Out
010 Mythik	Long	Curl P-3	Long	003 Axe	In	006 Pryde 40	In
011 Karisma	In	Curl P-3α R	Long	004 Bow	In	007 Rakza 7	In
012 Evolution FX - P	In	Cut Man	In	<b>78) WINNING</b>		008 Rakza 9	In
013 Evolution MX - P	In	D-Top	In	738 Super	In	009 Rakza 7 Soft	In
014 Grip - S Europe	In	Giant	In	Friendship 729 Super TSS	In	010 Rakza 9 Soft	In
015 1Q	In	Hiyaku	In	King Power Komann	In	011 Mark V HPS	In
<b>016 5Q</b>	<b>In</b>	L Catcher	Out	Komann	In	012 Mark V HPS Soft	In
Black Techno	In [B]	Milli Tall II	Out	Komann Super Fit	In	013 Rakza PO	Out
Bungee	In	Miracle	Out	NP - 1	Out	<b>014 Rifle</b>	<b>In</b>
Dang	In	Miracle Super	Out	NP - 2	Out	<b>015 Rifle Speed</b>	<b>In</b>
Ellen	Anti	Real	In	NP - 6	Out	Anti Power	<b>Anti</b>
Extra Long	Long ‡	Spectol	Out	NP - 8	Out	A-1-2 A-1	Out
Grass	Long	Summit	In	<b>79) XIOM</b>		A-1-2 A-2	Out
Grass D. TecS	Long	Super Spinpips	Out	002 Zeta	In	Cobalt α	Out
Learn Cont	In	Tarbit	In	007 Sigma III	In	Cobalt X1	Out
Learn Spin	In	Tation	In	008 Vega Europe	In	Cobalt X2	Out
Legend	In	T - Rex	In	009 Vega Asia	In	Extreme Speed	In
Makss	In	Triple	In	011 Zava 1	Out	Fusion	In
Nimbus	In	Tyranno	Out	012 Vega Pro	In	Large Pro	Out
Norm	In	U Q	In	013 Vega Elite	In	Mark V	In
Phantom	In	X's	In	014 Tau I	In	Mark V AD	In
Rapid	In	X's F-1	In	015 Tau II	In	Mark V GPS	In
Rapid D. TecS	In	X's F-1 V	In	016 Tau III	In	Mark V M <sup>2</sup>	In
Rapid Soft	In	<b>126) TTATOZ</b>		017 Omega IV Pro	In	Mark V XS	In
Rapid X-Press	In	001 TTATOZ Spin	In	018 Omega IV Asia	In	New Era	In
Rookie D. TecS	In	002 TTATOZ Speed	In	019 Omega IV Europe	In	Original	In
Samurai	In	003 TTATOZ 44	Out	020 Omega IV Elite	In	Original	Out
Serie 2000	In	004 TTATOZ Out	Out	023 Vega China VH	In	Original A-1	Out
Speedy S/L	In	005 TTATOZ Long	<b>Long</b>	024 Vega China VM	In	Original A-2	Out
Speedy Soft	Out	006 TTATOZ Basic	In	025 Zava II	Out	Original Extra	In
Speedy Soft D. TecS	Out	007 TTATOZ Power	In	026 Sigma I Pro	In	PB-1	Out
Speedy Spin	In	<b>96) TUTTLE</b>		027 Sigma I Europe	In	Phantom 007	Long
Speedy Spin Premium	In	001 Beijing	In	<b>028 Vega Japan</b>	<b>In</b>	Phantom 008	Long
Standard	In	002 World No. 1	In	<b>029 Sigma II Pro</b>	<b>In</b>	Phantom 009	Long
Storm	In	003 AAA	In	<b>030 Sigma II Europe</b>	<b>In</b>	Phantom 0011 ∞	Long
Super Defense 40	In	004 LV	In	<b>031 Musa I</b>	<b>In</b>	Phantom 0012 ∞	Long
Torpedo	In	005 888	In	<b>032 Musa II</b>	<b>In</b>	Top 12	In
Vari Spin	In	006 Spring - 3B	In	Omega I	In	Vision	In
Vari Spin D. TecS	In	007 Summer - 3C	Out	Omega II	In	V Stage	In
Volcano	In	008 Autumn - 3D	Long	Omega III	In	Wallie	In
<b>75) TONI HOLD</b>		009 Winter - 3E	Out	True - Innovation	In	Xtend	In
"TONI HOLD" is also used as part of a brand name for "JOOLA".		<b>010 Prevention Arc</b>	<b>Anti</b>	Yanus - DF	In	Xtend HS	In
Anti Topspin New 40	Anti	<b>119) UNOAMI</b>		<b>80) XIYING</b>		Xtend PO	Out
<b>76) TSP</b>		001 Hanma	In	001 999 Sharing Limbo	In	Zap	In
001 Curl P-H	Long	<b>85) V 3 TEC</b>		889	Out	<b>84) YASHIMA</b>	
003 Deus	In	001 Spin Attack X3	In	979	Long	Competition XR3000	In
004 Grandy	In	002 Fast Control S1	In	999	In	Go Sport XR3000	In
005 Agrit	In	003 Power Drive Y5	In	<b>81) XUSHAOFA</b>		Go Sport XX5	In
006 Agrit Speed	In	<b>123) VALOR</b>		999	In	Upper Spin	
007 Rise	In	001 Premier	Out	999 LSZ	In	Competition XR7	In
008 Rise Speed	In	<b>117) VICTAS</b>		999 Yang	In	XX3	In
009 Curl P-4	Long	001 VO - 101	Out			XX-5	In



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