

# LARC (LIST AUTHORISED RACKET COVERINGS) N°33B 1 JANUARY 2013 – 30 JUNE 2013

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DATE OF PUBLICATION: 1 October 2012

The new rubbers entering LARC 33B 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>95) AKKADI</b>		Revolution C.O.R. <sup>2</sup>	In	<b>06) ATEMI</b>	
001 Wind FT	Long	<b>001 V Max</b>	<i>In</i>	Revolution C.O.R Pips	Out	Ace	In
002 Lightning DS	In	<b>002 S Max</b>	<i>In</i>	Revolution Quad	In	Advantage	In
003 Thunder LM	In	<b>003 K Max</b>	<i>In</i>	Rocket	In	Challenge	In
<b>004 Artist</b>	<i>Long</i>	<b>004 Java</b>	<i>In</i>	Start	In	Debut	In
<b>01) 999</b>		<b>005 L3</b>	<i>Long</i>	Trophy	In	Fight Power	In
"999" is also used as part of a brand name for "AKKADI", "CRACK", "GLOBE", "JUIC", "THREE NINE", "XIYING" and "XUSHAOFA".		<b>006 K3</b>	<i>Out</i>	Upgrade	In	Ippon	In
889	Out	<b>007 Hornet</b>	<i>In</i>	<b>04) ARMSTRONG</b>		Super Champ	In
999 T-2	In	<b>008 999 Pro</b>	<i>In</i>	Aka Mark Max	Out	<b>07) AVALOX / AVX</b>	
999 T-3	In	<b>89) AMSIR</b>		Attack 3 Type L	Out	001 Purot	In
Super 999 T	In	002 Fantasy	In	Attack 3 Type M	Out	002 Sogno	In
<b>105) ADIDAS</b>		003 Flutter	Long	Attack 8 Type L	Out	Athlos	In
001 Repulse 500	In	005 Glory	In	Attack 8 Type M	Out	Horme	In
002 Repulse 700	In	006 Luxury	In	Attack 8 Type M EXX	Out	Mo	Long
003 P 3	In	007 Sensation	Long	Conqueror	In	Pronte	In
004 R 4	In	008 Surprise	Long	Conqueror SS	In	Sterco	In
005 P 5	In	009 Victory	In	Hikari Drive	In	<b>08) BANCO</b>	
006 R 6	In	010 Shot	Out	Hikari SR7	In	001 Extreme	In
007 Tenzone	In	<b>03) ANDRO</b>		Long Pimple	Out	002 Dynamic	In
008 Tenzone SF	In	001 Roxon	In	New Anti Spin	Anti	003 Ouragan	In
009 Syntec	In	002 Roxon 500 Pro	In	New Chopper	In	004 Megaspin	In
010 Syntec SF	In	003 Roxon 330	In	New Spirit Hi	In	Allstar	In
011 P 7	In	004 Blowfish	Out	Red Mark	In	Diva Energie	In
012 Blaze Spin	Out	005 Blowfish +	Out	Red Mark Type 1-4	Out	Dreamfire	In
013 Blaze Speed	Out	006 Chaos	Long	Red Mark Type 1-5	Out	Excellence	In
014 Syntec Fast	In	007 Hexer	In	Rosin	Out	Feeling	In
<b>015 Sonic</b>	<i>In</i>	008 Hexer +	In	Twister	Long	Furio	In
<b>016 Cruise</b>	<i>In</i>	009 Revo Fire	In	Twister EXT	Out	Futura Energie	In
<b>017 Touch Pro</b>	<i>In</i>	010 Hexer Duro	In	Vector	In	Impact Energie	Out
<b>02) AHUAYI</b>		011 Hexer Pips	Out	W-α Ex x	Out	Perfect	In
001 666	In	012 Hexer Pips +	Out	Warrior	In	Puissance	In
<b>106) AIR</b>		013 Sonnentau	In	<b>05) ARTENGO</b>		Start ★★	In
"AIR" is also used as part of a brand name for "JOOLA".		014 Shifter	In	001 930 A	In	Start ★★★	In
001 Scirocco	In	015 Shifter Powersponge	In	003 920 S	In	Variation Energy	In
002 Panamera	Out	016 Backside 2.0	In	004 950 S	In	<b>12) BOMB</b>	
003 Upupupup	Long	017 Nightmare	In	005 900 C	In	001 Oscule	In
004 Classique	Out	018 Hexer HD	In	007 851 O	In	Apex	In
005 Illumina	In	019 Rasant	In	008 861 O	In	Bombard	In
		020 Impuls Powersponge	In	009 881 O	In	Hammer	Out
		Backside	In	010 703 O	In	King Roc	Out
		Classic	Out	011 853 O	In	Mopha	In
		Impuls	In	012 863 O	In	Raider	In
		Impuls Speed	In	013 883 O	In	Rex	In
		Logo	Out	014 893 O	In	Talent	Long
		LP – 22	Long	702 O	In		
		Plasma	In	930 S	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
Tensa	In	Super-Sriver	In	Vlon-S	In	Gallardo Speed	In
Ufo	In	Tackifire-C	In			J.O. Waldner	In
Violent	In	Tackifire-D	In	<b>20) DAWEI</b>		Liga	In
<b>14) BUTTERFLY</b>		Tackifire SP	In	2008	In	Piranja FD TEC	Long
001 Tenergy 05	In	Tackiness-C	In	388A	In	Quattro	In
002 Tenergy 25	In	Tackiness-C II	In	388A-4	In	Quattro A'Conda	In
003 Tenergy 64	In	Tackiness-D	In	388C-1	Out	Quattro Formula	In
004 Pan Asia - X	In	Tempest	In	388D	Long	Slice 40	In
005 Spinart	In	Wakaba	In	388D-1	Long	Solo	In
006 Sriver G3	In	West Will	Out	Inspirit	In	Sonex JP	In
007 Sriver G3 FX	In	Yuki	In	Saviga	In	Sonex JP Gold	In
008 Roundell	In	<b>15) CARREFOUR</b>		Saviga V	Long	Sonex JP Soft	In
009 Tenergy 05 FX	In	Top Life	In	<b>118) DER-</b>		Twingo	In
010 Tenergy 25 FX	In	<b>16) CHAMPION</b>		<b>MATERIALSPEZIALIST</b>		Twister 40	Out
011 Tenergy 64 FX	In	<b>"CHAMPION" is used as</b>		001 Nightmare	Anti	Vari-Slick	In
012 Flarestorm II	Out	<b>part of a brand name for</b>		002 Beast	Anti	Vario	In
013 Addoy	In	<b>"SCHILDKRÖT".</b>		003 Undertaker	Long	Vario Cooper S	In
014 Wakaba	In	Apache	In	<b>21) DONIC</b>		Vario Soft	In
015 Pan Asia	In	Aragorn	In	001 Coppa JO Platin	In	<b>22) DONIER</b>	
016 Yuki	In	Cyclops	In	002 Vario Gold	In	Max	In
017 Dignics	In	ElySION	In	003 Alligator Def	Long	Max Attack	In
018 Tenergy 80	In	Hexa	In	006 Baracuda	In	SP 2	In
019 Largestorm	Out	Iason	In	007 Coppa Speed	In	SP 4	In
Addoy	In	Khan	In	008 Baxster LB	Out	SP 8	In
Biriba	In [R]	Mercury	In	009 Twister LB	Out	SP 12	In
Black	In [B]	Next	In	010 Vario Big Slam	In	Versus	In
Bryce	In	Partizan	In	011 Acuda S1	In	<b>23) DOUBLE FISH</b>	
Bryce FX	In	Quantum	In	012 Acuda S2	In	001 A One	In
Bryce Speed	In	Spartan	In	013 Acuda S3	In	002 FA 213	In
Bryce Speed FX	In	Trident	In	014 Coppa X1	In	003 FC 218	In
Catapult	In	Trojan	In	015 Coppa X2	In	004 FS 232	In
Cermet	In	Tron	In	016 Coppa X3	In	005 FL 233	In
Challenger Attack	Out	Ulyssis	In	017 Traction HS	In	006 8338	In
Challenger Large	Out	<b>17) CORNILLEAU</b>		018 Traction MS	In	007 8484	In
D'Or	In	001 ★	In	019 Waldner Legend	In	008 1615	Long
Driver	In [R]	002 ★★	In	020 Vario Platin	In	009 815	In
Ekrips	In	003 ★★★	In	021 Vario Sound	In	010 820 A	Out
Feint AG	Long	004 ★★★★	In	022 Alligator Anti	Anti	011 830	In
Feint Long II	Long	005 ★★★★★	In	023 Anti Classic	Anti	012 Volant	In
Feint Long III	Long	006 ★★★★★★	In	024 Acuda S1 Turbo	In	013 Volant 2	In
Feint-Ox	Long	007 Performa 1	In	025 Bluefire M1	In	014 Volant 3	In
Feint-Soft	Long	008 Performa 2	In	026 Bluefire M2	In	815	In
Flarestorm	Out	009 Pilot Advance	In	027 Bluefire M3	In	820A	Out
Flextra	In	010 Pilot Power	In	028 Piranja Anti	Anti	830	In
Fräulein	In	011 Pilot Style	In	66 GS	In	1615	Long
Large 44 DX	Out	012 Pilot Control	In	77 GS	In	8338	In
Lemuria	In	013 Drive Style	In	★	In	8484	In
Magnitude	Long	014 Drive Control	In	★★	In	F.A. 213	In
Morim	In	015 Start Up'	In	★★★	In	F.C. 218	In
NS 44	Out	016 Pulse Racer	In	Akkadi Java	In	F.L. 233	In
Orthodox-DX,103	Out	017 Pulse Rider	In	Akkadi K 1	Out	F.S. 232	In
Pan Asia	In	018 Target Ultim	In	Akkadi K 2	Out	Volant	In
Pecular	Out	019 Target Sound	In	Akkadi L 1	Long	<b>24) DOUBLE</b>	
Raystorm	Out	020 Target Force	In	Akkadi L 2	Long	<b>HAPPINESS / DHS</b>	
Rein	Out	<b>18) CRACK</b>		Akkadi Taichi	In	001 Hurricane	In
Relop Attack	Long	999	In	Alpha-Slick	In	002 Hurricane II	In
Relop Large	Out	Master	In	Baxster	Out	004 PF 4	In
Sapphira	In	SP	In	Blues	In	005 Skyline II	In
Selvid	In	Twister	In	Coppa	In	006 Skyline III	In
Soft	In	<b>99) CTT</b>		Coppa JO	In	008 Memo	In
Solcion	In	001 National Pride	In	Coppa JO Gold	In	009 Memo II	In
Speedy-P.O.	Out	002 National Strike	In	Coppa JO Silver	In	010 Memo III	In
Sprier	In	003 National Pogo	Long	Coppa Tagora	In	013 6512	In
Sriver EL	In	004 National Hero	In	Coppa Tenero	In	014 PF 4-1	In
Sriver FX	In	<b>19) DARKER</b>		Desto F1	In	<b>015 G 555</b>	<b>In</b>
Sriver G2	In	Provine	In	Desto F2	In	<b>016 G 666</b>	<b>In</b>
Sriver G2 FX	In	Spalbird	In	Desto F3	In	<b>017 G 777</b>	<b>In</b>
Sriver L	In			Duo	In	018 G 888	In
Sriver S	In			Easy-Slick	In	027 C 8	Long
Stayer	In			Gallardo Power Sound	In	028 Cloud & Fog II	Out
Super Anti	Anti			Gallardo Sound	In		

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Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type			
040 PF 4 Nittaku	In	<b>013 Allround Premium Long</b>	Super 729 FX	In	<b>28) GAMBLER</b>	Euro Spintec	In			
041 G 888 Nittaku	In		Diamant	Out		Top Point	In	Euro V	In	
045 Tin Arc	In		Domination	In		001 Wraith	In	Euro XX	In	
046 Tin Arc II	In		Leopard	Out		002 Shadow	In	Nano Attack	Out	
047 Tin Arc III	In		Pistol	Out		003 Reflectoid	In	Nano Force	In	
048 Gold Arc	In		Tornado Ultra	Out		4 Kings	In	<b>32) GLOBE</b> "GLOBE" is also used as part of a brand name for "XUSHAOFA".		
049 Gold Arc II	In		<b>111) DSP.CUP</b>	001 Superwave.AX		In	Aces			In
050 Gold Arc III	In			<b>107) DUNLOP</b>		001 Blackstorm Nitro	In	Outlaw	In	
054 Hurricane 8	In		002 Blackstorm Nemesis			In	Peace Keeper	Out	001 Mo Wang	Long
055 Hurricane 9	In		003 Venom Control	In		Six Shooter	In	002 Mo Wang II	Long	
108 Hurricane III	In		004 Venom Power	In		<b>120) GEILI</b>	003 Quicken	In	<b>003 888 II</b>	<b>Out</b>
651	Out		005 Venom Attack	In			<b>112) GENOTE</b>	001 Peak-power	In	888
652	Out		006 Venom Spin	In		<b>29) GEWO</b>		001 Proton	In	889
6512	In	007 4D Ultimate	In	002 Stratos	In		889-2		Out	
874	Out	<b>008 D 1</b>	<b>In</b>	003 Reflexx	In	979	Long			
C7	Out	<b>009 D 2</b>	<b>In</b>	004 Thunderball 2	In	999	In			
C - 8	Long	<b>010 D 3</b>	<b>In</b>	005 Return	In	999T	In			
Cloud & Fog II	Long	080 Evolution Max	In	006 Flexxon	In	Awala	In			
Cloud & Fog III	Long	090 Revolution Max	In	Mega Flex Control	In	Jinxuanfeng II	In			
Dipper	In	100 Revolution Max II	In	Nano	In	Jinxuanfeng III	In			
Dipper II	In	<b>27) FRIENDSHIP</b>	<b>"FRIENDSHIP" is also used as part of a brand name for "KOKUTAKU", "WINNING".</b>		Target airTEC	In	Liqin	In		
Dipper III	In				001 R.I.T.C 729 - 5	In	Target Energy	In	Magicwand	In
Dragonow	Out	002 R.I.T.C. 755 - 2	Long	<b>30) GIANT DRAGON</b>		Prize	In			
G555	In	003 Kokutaku New 729-2	In	001 Taichi	In	Taiphooon Gold	In			
G666	In	004 R.I.T.C 729 - 08	In	002 Karate	In	Tropy	In			
G666 Nittaku	In	005 729 105	Out	003 Meteorite	Long	Trump Card	In			
G777	In	006 729 Battle	In	004 Giant Long	Long	<b>86) GUO AO</b>				
G888	In	007 729 Battle II	In	005 Allround	In	001 718	In			
G888 Nittaku	In	008 729 Origin	In	006 Guard	Anti	<b>34) GUOQIU</b>				
Hurricane	In	729 Focus	In	007 Submarine	In	001 Gong Fu	In			
Hurricane II	In	729 Focus II	In	008 Topenergy	In	AB	In			
Hurricane III	In	729 Focus III	In	009 Superspin G3	In	FF	In			
Magican	In	729 High Point	In	010 Superspin G4	In	HB	In			
Magican II	In	Kokutaku 563 - 1	Out	011 Superveloce V12	In	MG	Long			
Magican III	In	Kokutaku 729-40 H	In	012 Dragon Talon	Long	MG II	Long			
Memo	In	Kokutaku 729-40 S	In	013 Snowflake	Long	SS	Out			
Memo II	In	Kokutaku 755	Long	014 Cropcircles	Long	<b>90) HAIFU</b>				
Memo III	In	Kokutaku 802-40	Out	015 Blast	Out	001 Whale	In			
Nittaku C 7	Out	Kokutaku R.I.T.C. 729 SP	In	016 612	Out	002 Shark	In			
Nittaku Hurricane II	In	R.I.T.C. 563	Out	017 Attack Long	Long	003 Penguin	Out			
Nittaku Hurricane III	In	R.I.T.C. 563-1	Out	018 Commander	In	004 Dolphin	Out			
Nittaku Hurricane Pro II	In	R.I.T.C. 729	In	019 Storm	In	005 Whale III	In			
Nittaku Hurricane Pro III	In	R.I.T.C. 729-2	In	020 Future	In	006 Shark III	In			
PF 4	In	R.I.T.C. 729-3	In	021 Soft Anti	In	007 Pirates 07	In			
PF 4-1	In	R.I.T.C. 729-40H	In	022 Peril Anti	In	008 Pirates 08	In			
Sharping	Out	R.I.T.C. 729-40S	In	807	In	009 Octopus	Long			
Sharping Nittaku	Out	R.I.T.C. 729-40S	In	8086	In	010 O. Orca	In			
Skyline	In	R.I.T.C. 729 Cream	In	8087	In	011 Otariidae	In			
Skyline II	In	R.I.T.C. 729 Dr. Evil	Out	8088	In	<b>97) HALEX</b>				
Skyline III	In	R.I.T.C. 729 Faster	In	8228 A	Out	(no other mark)	In			
Surpass	In	R.I.T.C. 729 GeoSpin	In	8228 B	In	XR - 3000	In			
TNT	In	R.I.T.C. 729 GeoSpin Tacky	In	Extsped	In	<b>35) HALLMARK</b>				
TNT II	In	R.I.T.C. 729 Higher	In	Maxspin	In	002 Podium	In			
TNT III	In	R.I.T.C. 729 SP	In	Superspeed	In	003 Friction Super Special	Long			
TNT Nittaku	In	R.I.T.C. 729 SST	In	Superspin	In	004 Pheonix	Long			
<b>25) DOUBLE POWER</b>		R.I.T.C. 729 SST	In	Superspin G2	In	005 Friction Special 2	Long			
No. 3080	In	R.I.T.C. 755	Long	<b>31) GKI</b>		006 Green Power	In			
<b>26) DR NEUBAUER</b>		R.I.T.C. 799	Out	001 Nano Sting	Long	Frustration	Long			
001 Special Defence	In	R.I.T.C. 802	Out	002 Euro Chelonz	In	Half Long	Out			
002 Goliath	In	R.I.T.C. 802-1	Out	004 ChelonZ HybridZ	In	Magic Pips	Out			
003 Monster Classic	Long	R.I.T.C. 802-40	Out	005 HybridZ GX	In	Mirage	Anti			
004 Boomerang Classic	Long	R.I.T.C. 804	Anti	Euro ★	In	Panther	Out			
005 Gorilla	Anti	R.I.T.C. 837	Long	Euro Jumbo	In	Power Spin	In			
006 Grizzly	Anti	R.I.T.C. 2000 Tack-Speed	In			<b>125) HEATT</b>				
007 Anti Special	Anti	Sky-Wing	In			001 Fair Play	Out			
008 A - B - S	Anti									
009 Fighter	Long									
010 Inferno Classic	Long									
011 Desperado	Long									
012 Terminator	Out									

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

ITTF N°) SUPPLIER		ITTF N°) SUPPLIER		ITTF N°) SUPPLIER		ITTF N°) SUPPLIER	
Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type
Hammond	In	<b>57) POINT BLANK</b>		Spinmax	In	Chop & Drive	In
Hammond FA	Out	Topgun	In	<b>133) SKITT</b>		Clippa	Out
Hammond Pro α	In	<b>58) PRASIDHA</b>		<b>001 Acconda</b>	<b>In</b>	Cobra 2000	In
Hammond X	In	001 Apple	In	<b>002 Uno</b>	<b>In</b>	Destroyer	Long
Hi-Super Drive	In	002 Titan	In	<b>003 Acconda Power</b>	<b>In</b>	Doer	In
Japan Original	In	003 Long 1615	Long	<b>108) SPINLORD</b>		Drive	In
J.O. Pen	In	004 Master	In	001 Marder	In	Energy Absorber	Anti
J.O. Shake	In	820	Out	002 Tiger	In	Evo	In
J.O. Waldner	In	830	In	003 Adler	In	Future	In
J.O. Waldner S.C.	In	838	In	004 Zeitgeist	Long	Innova	In
Magic Carbon	In	1615	Long	005 Stachelfeuer	Long	Innova Premium	In
Micro	In	Action	Out	006 Dornenglanz	Long	Innova Ultra Light	In
Moristo 2000	In	Frankfurt	In	007 Irbis	In	Innova Ultra Light Synergy Tech	In
Moristo 44	Out	Hamburg	In	008 Blitzschlag	Long	Magic	In
Moristo DF	In	Long A	Long	<b>009 Degu</b>	<b>Out</b>	Magna	In
Moristo FG	In	Osaka	In	<b>93) SPOKEY</b>		Mendo	In
Moristo LP	Long	Speed - F	Out	001 Master	In	Mendo Energy	In
Moristo LP One	Long	Tokyo	In	<b>67) STAG</b>		Mendo MP	In
Moristo SP	Out	Twister 8338	In	001 Peter Karlsson	In	Neos	In
Narucross	In	<b>60) REACTOR</b>		002 Peter Karlsson Training	In	Neos Sound	In
Narucross EX	In	001 Mirage	Out	003 High Tension Explosive	In	Neos Sound Synergy Tech	In
Narucross tension	In	002 Rafale	Out	004 Championship	In	Neos Synergy Tech	In
Nodias	In	003 Pioneer	Out	005 International	In	Neos Tacky	In
Pimplemini	Out	Boaz	In	006 Power Drive Plus	In	Optimum MP	In
Pimplemini One	Out	Ckylin	In	007 Official	In	Premium	In
Refoma	In	Corbor	In	008 Peter Karlsson Gen-II	In	Radical	Out
Renanos	In	Novar	In	009 Tec	In	Royal	Out
Screw	Long	Sonix	In	All Round	In	Stream	In
Screw One	Long	Thunder	In	Ninja Attack	In	Triumph	In
Specialist Chikara	Out	Tornado	In	Ninja Fire	In	<b>69) SUNFLEX</b>	
Specialist One	Out	<b>61) RUCANOR</b>		Power Drive	In	001 Expert Xonox	In
Specialist Soft	Out	001 Competition	In	Thunder Spin	In	002 Expert Zeno	In
Specialist Soft HS	Out	Competition	In	<b>121) STARWOOD</b>		003 Anti Loop	Anti
Spiral	In	Mogi Ura	In	001 Speed	In	AF 50	In
Super Large	Out	Orient	In	002 Spin	In	BZ 60	In
Tracer	In	TTB-150	In	003 Power	In	Mandarin	In
Universal- Ribbon	In	<b>87) SAN - EI</b>		<b>004 Alfa 3</b>	<b>Long</b>	Mikado	In
Universal- Ribbon	Out	001 Taipan	In	<b>005 Bravo</b>	<b>Out</b>	Mogul	In
<b>55) PALIO</b>		002 Samurai	In	<b>006 Alfa 9</b>	<b>Long</b>	Samurai	In
001 Macro ERA	In	003 Shogun	In	<b>007 Bravo 8</b>	<b>Out</b>	Shogun	In
002 Conqueror	In	<b>62) SANWEI</b>		<b>68) STIGA</b>		Sun-Control	In
003 Flying Dragon	Out	001 Target	In	001 Boost TP	In	Sun-Power	In
004 Power Dragon	Out	002 Rings Link	In	002 Boost TC	In	Taipan	In
005 Thor's	In	003 Gears	In	003 Boost TS	In	<b>70) SWORD</b>	
006 Blit'z	In	005 Ghost	Out	004 Boost TX	In	001 Break	In
AK47	In	006 Code	Long	005 JMS EVO 1	In	002 Paladin	In
Amigo	In	007 T88 Taiji	In	006 Magna TC II	In	003 Scylla	Long
CJ8000	In	008 T88	In	007 Magna TS II	In	005 Maze	In
CK531A	Long	009 T88 - I	In	008 Calibra LT	In	006 Nano	In
Drunken Dragon	In	010 T88 - II	In	009 Calibra LT Sound	In	007 Flute	In
Emperor Dragon	In	011 T88 - III	In	010 Power LT	In	<b>008 Paladin II</b>	<b>In</b>
Hadou	In	<b>012 A+</b>	<b>In</b>	011 S	In	<b>010 Long Can</b>	<b>Out</b>
Hidden Dragon	In	<b>113) SAVIGA</b>		012 S1	In	2000-F	In
HK1997	In	"SAVIGA" is also used		013 S2	In	Hero	In
Macro	In	as part of a brand name		014 S3	In	King	In
Macro Pro	In	for "DAWEI".		015 S4	In	RG	In
Maximo	In	001 Turbo	In	016 S5	In	<b>72) TECNOPRO</b>	
Wildish Dragon	In	002 Fantasy	Long	017 Calibra LT Plus	In	Competition	In
WP1013	Out	003 27	Long	018 Calibra LT Spin	In	Expert	In
<b>56) PEACE</b>		<b>63) SCHILDKRÖT</b>		019 Magna TX	In	Supercom	In
"PEACE" is also used		Avantgarde ★★★	In	Almana	In	Tournament	In
as part of a brand name		Champion ★★★★★	In	Almana Sound	In	<b>73) THREE NINE</b>	
for "GAMBLER".		Elite	In	Almana Sound Synergy Tech	In	999 T-1	In
001 LGO 44	Out	Energy	In	Carbo	In	<b>127) THREE SWORD</b>	
C'oma	In	Jade	In	Carbo MC	In	001 Gallop	In
Leo	In	Prestige	In	Carbo Sound	In	002 Prompt	In
Nova	In			China Extreme	In	003 Leap	In
Vela	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>74) TIBHAR</b>		010 Spin Magic	Out	004 VS - 402	In	999 LSZ	In
001 Sinus	In	730	In	005 VO - 102	Out	999 Yang	In
002 Grass Flex	Out	Actor	In	<b>006 V - 01</b>	<b>In</b>	999 ZCD	In
003 Grass Ultra	Long	Barri - Up	In	<b>129) VTEC</b>		Globe 999	In
004 Primus	In	Bjorn	In	<b>001 V I</b>	<b>In</b>	<b>82) YAPING</b>	
005 Genius	In	Bolt	In	<b>124) WILSON</b>		139	In
006 Nianmor	In	Brio	In	003 Hammer 3.0	In	<b>83) YASAKA</b>	
007 Aurus	In	Cesalo	In	004 Reaction 5.0	In	001 Pryde	In
008 Grip - S	In	Curl P-1 R	Long	<b>109) WIN</b>		002 Pryde 30	In
009 Genius +	In	Curl P-2	Out	001 Spear	In	003 Xtend LB	Out
010 Mythik	Long	Curl P-3	Long	002 Aegis	In	004 Cadet	In
011 Karisma	In	Curl P-3α R	Long	003 Axe	In	005 Marvelous	Out
012 Evolution FX - P	In	Cut Man	In	004 Bow	In	006 Pryde 40	In
013 Evolution MX - P	In	D-Top	In	<b>78) WINNING</b>		007 Rakza 7	In
014 Grip - S Europe	In	Giant	In	738 Super	In	008 Rakza 9	In
015 1Q	In	Hiyaku	In	Friendship 729 Super TSS	In	009 Rakza 7 Soft	In
016 5Q	In	L Catcher	Out	King Power Komann	In	010 Rakza 9 Soft	In
<b>017 Evolution EL - P</b>	<b>In</b>	Milli Tall II	Out	Komann	In	011 Mark V HPS	In
<b>018 Evolution MX - S</b>	<b>In</b>	Miracle	Out	Komann Super Fit	In	012 Mark V HPS Soft	In
Black Techno	In [B]	Miracle Super	Out	NP - 1	Out	013 Rakza PO	Out
Bungee	In	Real	In	NP - 2	Out	014 Rifle	In
Dang	In	Spectol	Out	NP - 6	Out	015 Rifle Speed	In
Ellen	Anti	Summit	In	NP - 8	Out	Anti Power	Anti
Extra Long	Long ♀	Super Spinpips	Out	<b>79) XIOM</b>		A-1-2 A-1	Out
Grass	Long	Tarbit	In	002 Zeta	In	A-1-2 A-2	Out
Grass D. TecS	Long	Tation	In	007 Sigma III	In	Cobalt α	Out
Learn Cont	In	T - Rex	In	008 Vega Europe	In	Cobalt X1	Out
Learn Spin	In	Triple	In	009 Vega Asia	In	Cobalt X2	Out
Legend	In	Tyranno	Out	011 Zava 1	Out	Extreme Speed	In
Makss	In	U Q	In	012 Vega Pro	In	Fusion	In
Nimbus	In	X's	In	013 Vega Elite	In	Large Pro	Out
Norm	In	X's F-1	In	014 Tau I	In	Mark V	In
Phantom	In	X's F-1 V	In	015 Tau II	In	Mark V AD	In
Rapid	In	<b>126) TTATOZ</b>		016 Tau III	In	Mark V GPS	In
Rapid D. TecS	In	001 TTATOZ Spin	In	017 Omega IV Pro	In	Mark V M <sup>2</sup>	In
Rapid Soft	In	002 TTATOZ Speed	In	018 Omega IV Asia	In	Mark V XS	In
Rapid X-Press	In	003 TTATOZ 44	Out	019 Omega IV Europe	In	New Era	In
Rookie D. TecS	In	004 TTATOZ Out	Out	020 Omega IV Elite	In	Original	In
Samurai	In	005 TTATOZ Long	Long	023 Vega China VH	In	Original	Out
Serie 2000	In	006 TTATOZ Basic	In	024 Vega China VM	In	Original A-1	Out
Speedy S/L	In	007 TTATOZ Power	In	025 Zava II	Out	Original A-2	Out
Speedy Soft	Out	<b>96) TUTTLE</b>		026 Sigma I Pro	In	Original Extra	In
Speedy Soft D. TecS	Out	001 Beijing	In	027 Sigma I Europe	In	PB-1	Out
Speedy Spin	In	002 World No. 1	In	<b>028 Omega II</b>	<b>In</b>	Phantom 007	Long
Speedy Spin Premium	In	003 AAA	In	<b>029 Omega III</b>	<b>In</b>	Phantom 008	Long
Standard	In	004 LV	In	030 Sigma II Europe	In	Phantom 009	Long
Storm	In	005 888	In	031 Musa I	In	Phantom 0011 ∞	Long
Super Defense 40	In	006 Spring - 3B	In	032 Musa II	In	Phantom 0012 ∞	Long
Torpedo	In	007 Summer - 3C	Out	<b>033 Vega Japan</b>	<b>In</b>	Top 12	In
Vari Spin	In	008 Autumn - 3D	Long	<b>034 Sigma II Pro</b>	<b>In</b>	Vision	In
Vari Spin D. TecS	In	009 Winter - 3E	Out	Omega I	In	V Stage	In
Volcano	In	010 Prevention Arc	Anti	Omega II	In	Wallie	In
<b>75) TONI HOLD</b>		<b>119) UNOAMI</b>		Omega III	In	Xtend	In
"TONI HOLD" is also used as part of a brand name for "JOOLA".		<b>85) V 3 TEC</b>		True - Innovation	In	Xtend HS	In
Anti Topspin New 40		001 Hanma	In	Yanus - DF	In	Xtend PO	Out
<b>76) TSP</b>		002 Fast Control S1	In	<b>80) XIYING</b>		Zap	In
001 Curl P-H	Long	003 Power Drive Y5	In	001 999 Sharing Limbo	In	<b>84) YASHIMA</b>	
003 Deus	In	<b>123) VALOR</b>		889	Out	Competition XR3000	In
004 Grandy	In	001 Premier	Out	979	Long	Go Sport XR3000	In
005 Agrit	In	<b>117) VICTAS</b>		999	In	Go Sport XX5	In
006 Agrit Speed	In	001 VO - 101	Out	<b>81) XUSHAOFA</b>		Upper Spin	
007 Rise	In	002 VLB - 301	Out	999	In	Competition XR7	In
008 Rise Speed	In	003 VS - 401	In			XX3	In
009 Curl P-4	Long					XX-5	In

