

# LARC (LIST AUTHORISED RACKET COVERINGS) N°31B 1 JANUARY 2011 – 30 JUNE 2011

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The new rubbers entering List 31B will be in **bold** and *italics* and are valid with immediate effect.

Dark sponge (black, blue, brown, green, purple, red) 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 List 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 List of Authorized Racket Coverings. However, the brand name given in the list 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 this List:

1. Make certain that you have the correct list (see date of validity, they are 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 List. 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>03) ANDRO</b>		Hikari Drive	In	<b>06) ATEMI</b>	
<b>001 Wind FT</b>	<i>Long</i>	001 Roxon	In	Hikari SR7	In	Ace	In
<b>002 Lightning DS</b>	<i>In</i>	002 Roxon 500 Pro	In	Long Pimple	Out	Advantage	In
<b>003 Thunder LM</b>	<i>In</i>	003 Roxon 330	In	New Anti Spin	Anti	Challenge	In
		004 Blowfish	Out	New Chopper	In	Debut	In
<b>01) 999</b>		005 Blowfish +	Out	New Spirit Hi	In	Fight Power	In
"999" is also used as part of a brand name for "CRACK", "GLOBE", "JUIC", "THREE NINE", "XIYING" and		006 Chaos	Long	Red Mark	In	Ippon	In
889	Out	007 Hexer	In	Red Mark Type 1-3	Out	Super Champ	In
		008 Hexer +	In	Red Mark Type 1-4	Out		
<b>105) ADIDAS</b>		009 Revo Fire	In	Red Mark Type 1-5	Out	<b>07) AVALOX / AVX</b>	
001 Repulse 500	In	010 Hexer Duro	In	Rosin	Out	<b>001 Purot</b>	<i>In</i>
002 Repulse 700	In	<b>011 Hexer Pips</b>	<b>Out</b>	Twister	Long	<b>002 Sogno</b>	<i>In</i>
003 P 3	In	<b>012 Hexer Pips +</b>	<b>Out</b>	Twister EXT	Out	Athlos	In
004 R 4	In	<b>013 Sonnentau</b>	<i>In</i>	Vector	In	Horme	In
005 P 5	In	Backside	In	W-α Ex x	Out	Mo	Long
006 R 6	In	Classic	Out	Warrior	In	Pronte	In
		EX – 8	In			Purot	In
<b>02) AHUAYI</b>		Focus	In	<b>05) ARTENGO</b>		Sogno	In
<b>001 666</b>	<i>In</i>	Impuls	In	001 930 A	In	Sterco	In
666	In	Impuls Speed	In	003 920 S	In	<b>08) BANCO</b>	
		Logo	Out	004 950 S	In	001 Extreme	In
<b>106) AIR</b>		LP – 22	Long	005 900 C	In	002 Dynamic	In
"AIR" is also used as part of a brand name for "JOOLA".		Plasma	In	006 910 A	Out	003 Ouragan	In
001 Scirocco	In	Revolution	In	007 851 O	In	Allstar	In
002 Panamera	Out	Revolution C.O.R.	In	008 861 O	In	Diva Energie	In
003 Upupupup	Long	Revolution C.O.R. <sup>2</sup>	In	009 881 O	In	Dreamfire	In
004 Classique	Out	Revolution C.O.R Pips	Out	<b>010 703 O</b>	<i>In</i>	Excellence	In
005 Illumina	In	Revolution Fire	In	<b>011 853 O</b>	<i>In</i>	Feeling	In
		Revolution Quad	In	<b>012 863 O</b>	<i>In</i>	Furio	In
<b>89) AMSIR</b>		Rocket	In	<b>013 883 O</b>	<i>In</i>	Futura Energie	In
002 Fantasy	In	Start	In	700 O	In	Impact Energie	Out
003 Flutter	Long	Trophy	In	702 O	In	Perfect	In
005 Glory	In	Upgrade	In	850 O	In	Puissance	In
006 Luxury	In	Zenith-G	In	860 O	In	Start ★★	In
007 Sensation	Long			880 O	In	Start ★★★	In
008 Surprise	Long	<b>04) ARMSTRONG</b>		900 A	In	Variation Energy	In
009 Victory	In	Aka Mark Max	Out	900 C	In		
010 Shot	Out	Attack 3 Type L	Out	900 S	In	<b>10) BEST</b>	
		Attack 3 Type M	Out	930 S	In	"BEST" is also used as part of a brand name for "NITTAKU".	
		Attack 8 Type L	Out	940 S	In	★★	In
		Attack 8 Type M	Out			★★★	In
		Attack 8 Type M EXX	Out				
		Conqueror	In				
		Conqueror SS	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>12) BOMB</b>		Sriver G2 FX	In	<b>18) CRACK</b>		Desto F1	In
Apex	In	Sriver L	In	999	In	Desto F1-S	In
Bombard	In	Sriver S	In	Master	In	Desto F2	In
Hammer	Out	Stayer	In	SP	In	Desto F3	In
King Roc	Out	Super Anti	Anti	Twister	In	Duo	In
Mopha	In	Super-Sriver	In	<b>99) CTT</b>		Easy-Slick	In
Raider	In	Tackifire-C	In	001 National Pride	In	Gallardo Power Sound	In
Rex	In	Tackifire-D	In	002 National Strike	In	Gallardo Sound	In
Talent	Long	Tackifire SP	In	003 National Pogo	Long	Gallardo Speed	In
Tensa	In	Tackiness-C	In	004 National Hero	In	J.O. Waldner	In
Ufo	In	Tackiness-C II	In	<b>19) DARKER</b>		Liga	In
Violent	In	Tackiness-D	In	Provine	In	Piranja FD TEC	Long
		Tempest	In	Spalbird	In	Quattro	In
<b>14) BUTTERFLY</b>		Tenergy	In	Vlon-S	In	Quattro A'Conda	In
001 Tenergy 05	In	Wakaba	In	<b>20) DAWEI</b>		Quattro Formula	In
002 Tenergy 25	In	West Will	Out	2008	In	Slice 40	In
003 Tenergy 64	In	Yuki	In	388A	In	Solo	In
004 Pan Asia - X	In	<b>15) CARREFOUR</b>		388A-4	In	Sonex JP	In
005 Spinart	In	Top Life	In	388C-1	Out	Sonex JP Gold	In
006 Sriver G3	In	<b>16) CHAMPION</b>		388D	Long	Sonex JP Soft	In
007 Sriver G3 FX	In	"CHAMPION" is used as		388D-1	Long	Supersonic	In
008 Roundell	In	part of a brand name for		Inspirit	In	Twingo	In
009 Tenergy 05 FX	In	"SCHILDKRÖT".		Saviga	In	Twister 40	Out
010 Tenergy 25 FX	In	Apache	In	Saviga V	Long	Vari-Slick	In
011 Tenergy 64 FX	In	Aragorn	In	<b>21) DONIC</b>		Vario	In
012 Flarestorm II	Out	Cyclops	In	001 Coppa JO Platin	In	Vario Cooper S	In
Addoy	In	ElySION	In	002 Vario Gold	In	Vario Soft	In
Biriba	In [R]	Flash	Long	003 Alligator Def	Long	<b>22) DONIER</b>	
Black	In [B]	Hexa	In	006 Baracuda	In	Black Spin	In
Bryce	In	Hyperion	In	007 Coppa Speed	In	Max	In
Bryce FX	In	Iason	In	008 Baxster LB	Out	Max Attack	In
Bryce Speed	In	Ionix	Out	009 Twister LB	Out	SP 2	In
Bryce Speed FX	In	Khan	In	010 Vario Big Slam	In	SP 4	In
Catapult	In	Mercury	In	011 Acuda S1	In	SP 8	In
Cermet	In	Next	In	012 Acuda S2	In	SP 12	In
Challenger Attack	Out	Partizan	In	013 Acuda S3	In	Ultimate Fighting	In
Challenger Large	Out	Quantum	In	014 Coppa X1	In	Versus	In
D'Or	In	Spartan	In	015 Coppa X2	In	<b>23) DOUBLE FISH</b>	
Driver	In [R]	Tiger I	In	016 Coppa X3	In	001 A One	In
Ekrips	In	Trident	In	<b>017 Traction HS</b>	<b>In</b>	002 FA 213	In
Feint AG	Long	Trojan	In	<b>018 Traction MS</b>	<b>In</b>	003 FC 218	In
Feint Long II	Long	Tron	In	66 GS	In	004 FS 232	In
Feint Long III	Long	Ulyssis	In	77 GS	In	005 FL 233	In
Feint-Ox	Long	Zinex	In	★	In	006 8338	In
Feint-Soft	Long	<b>17) CORNILLEAU</b>		★★	In	007 8484	In
Flarestorm	Out	001 ★	In	★★★	In	008 1615	Long
Flextra	In	002 ★★	In	Akkadi Java	In	009 815	In
Fräulein	In	003 ★★★	In	Akkadi K 1	Out	010 820 A	Out
Large 44 DX	Out	004 ★★★★	In	Akkadi K 2	Out	011 830	In
Lemuria	In	005 ★★★★★	In	Akkadi L 1	Long	012 Volant	In
Magnitude	Long	006 ★★★★★★	In	Akkadi L 2	Long	013 Volant 2	In
Morim	In	007 Performa 1	In	Akkadi Taichi	In	014 Volant 3	In
NS 44	Out	008 Performa 2	In	Alpha-Slick	In	815	In
Orthodox-DX,103	Out	009 Pilot Advance	In	Anti 40	Anti	820A	Out
Pan Asia	In	010 Pilot Power	In	Baxster	Out	830	In
Pecular	Out	011 Pilot Style	In	Blues	In	1615	Long
Raystorm	Out	012 Pilot Control	In	Blues F5	In	8338	In
Rein	Out	013 Drive Style	In	Coppa	In	8484	In
Relop Attack	Long	014 Drive Control	In	Coppa JO	In	F.A. 213	In
Relop Large	Out	015 Start Up'	In	Coppa JO Gold	In	F.C. 218	In
Sapphira	In	★ ★	In	Coppa JO Silver	In	F.L. 233	In
Selvid	In	★ ★ ★	In	Coppa Tagora	In	F.S. 232	In
Soft	In	★ ★ ★ ★	In	Coppa Tenero	In	Volant	In
Solcion	In	★ ★ ★ ★ ★	In				
Speedy-P.O.	Out	★ ★ ★ ★ ★ ★	In				
Sprier	In	★ ★ ★ ★ ★ ★ ★	In				
Sriver EL	In	★ ★ ★ ★ ★ ★ ★ ★	In				
Sriver FX	In	★ ★ ★ ★ ★ ★ ★ ★ ★	In				
Sriver G2	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>24) DOUBLE HAPPINESS / DHS</b>		TNT II	In	R.I.T.C. 729-40S	In	8086	In
001 Hurricane	In	TNT III	In	R.I.T.C. 729 Cream	In	8087	In
002 Hurricane II	In	TNT Nittaku	In	R.I.T.C. 729 Dr. Evil	Out	8088	In
004 PF 4	In	<b>25) DOUBLE POWER</b>		R.I.T.C. 729 Faster	In	8228 A	Out
005 Skyline II	In	No. 3080	In	R.I.T.C. 729 GeoSpin	In	8228 B	In
006 Skyline III	In	<b>26) DR NEUBAUER</b>		R.I.T.C. 729 GeoSpin Tacky	In	Extspeed	In
008 Memo	In	001 Special Defence	In	R.I.T.C. 729 Higher	In	Maxspin	In
009 Memo II	In	002 Goliath	In	R.I.T.C. 729 SP	In	Superspeed	In
010 Memo III	In	003 Monster Classic	Long	R.I.T.C. 729 SST	In	Superspin	In
013 6512	In	004 Boomerang Classic	Long	R.I.T.C. 755	Long	Superspin G2	In
014 PF 4-1	In	005 Gorilla	Anti	R.I.T.C. 799	Out	<b>31) GKI</b>	
018 G 888	In	006 Grizzly	Anti	R.I.T.C. 802	Out	001 Nano Sting	Long
027 C 8	Long	007 Anti Special	Anti	R.I.T.C. 802-1	Out	002 Euro Chelonz	In
028 Cloud & Fog II	Long	008 A - B - S	Anti	R.I.T.C. 802-40	Out	004 ChelonZ HybridZ	In
040 PF 4 Nittaku	In	009 Fighter	Long	R.I.T.C. 804	Anti	Euro *	In
041 G 888 Nittaku	In	<b>010 Inferno Classic</b>	<b>Long</b>	R.I.T.C. 837	Long	Euro Jumbo	In
045 Tin Arc	In	Diamant	Out	R.I.T.C. 2000 Tack-Speed	In	Euro Spintec	In
046 Tin Arc II	In	Domination	In	Sky-Wing	In	Euro V	In
047 Tin Arc III	In	Leopard	Out	Super 729 FX	In	Euro XX	In
048 Gold Arc	In	Pistol	Out	Top Point	In	Nano Attack	Out
049 Gold Arc II	In	Tornado Ultra	Out	<b>28) GAMBLER</b>		Nano Force	In
050 Gold Arc III	In	<b>111) DSP.CUP</b>		001 Wraith	In	<b>32) GLOBE</b>	
<b>054 Hurricane 8</b>	<b>In</b>	001 Superwave.AX	In	002 Shadow	In	<b>"GLOBE"</b> is also used as part of a brand name for <b>"XUSHAOFA"</b> .	
<b>055 Hurricane 9</b>	<b>In</b>	<b>107) DUNLOP</b>		003 Reflectoid	In		
108 Hurricane III	In	001 Blackstorm Nitro	In	4 Kings	In	<b>001 Mo Wang</b>	<b>Out</b>
651	Out	002 Blackstorm Nemesis	In	Aces	In	<b>002 Mo Wang II</b>	<b>Out</b>
652	Out	003 Venom Control	In	Outlaw	In	888	Out
6512	In	004 Venom Power	In	Peace Keeper	Out	889	Out
874	Out	005 Venom Attack	In	Six Shooter	In	889-2	Out
C7	Out	006 Venom Spin	In	<b>112) GENOTE</b>		979	Long
C - 8	Long	007 4D Ultimate	In	001 Peak-power	In	999	In
Cloud & Fog II	Long	<b>27) FRIENDSHIP</b>		001 Proton	In	999T	In
Cloud & Fog III	Long	<b>"FRIENDSHIP"</b> is also used as part of a brand name for <b>"KOKUTAKU", "WINNING"</b>		002 Stratos	In	Awala	In
Dipper	In		001 R.I.T.C 729 - 5	In	003 Reflexx	In	Jinxuanfeng II
Dipper II	In	002 R.I.T.C. 755 - 2	Long	004 Thunderball <sup>2</sup>	In	Jinxuanfeng III	In
Dipper III	In	003 Kokutaku New 729-2	In	Maxima	In	Liqin	In
Dragonow	Out	004 R.I.T.C 729 - 08	In	Mega Flex Control	In	Magicwand	In
G555	In	<b>005 729 105</b>	<b>Out</b>	Nano	In	Prize	In
G666	In	<b>006 729 Battle</b>	<b>In</b>	Target airTEC	In	Taiphooon Gold	In
G666 Nittaku	In	<b>007 729 Battle II</b>	<b>In</b>	Target Energy	In	Tropy	In
G777	In	<b>008 Origin</b>	<b>In</b>	Viper cell TEC	In	Trump Card	In
G888	In	729 Focus	In	<b>30) GIANT DRAGON</b>		<b>34) GUOQIU</b>	
G888 Nittaku	In	729 Focus II	In	001 Taichi	In	001 Gong Fu	In
Hurricane	In	729 Focus III	In	002 Karate	In	AB	In
Hurricane II	In	729 High Point	In	003 Meteorite	Long	FF	In
Hurricane III	In	Kokutaku 563 - 1	Out	004 Giant Long	Long	HB	In
Magican	In	Kokutaku 729-40 H	In	005 Allround	In	MG	Long
Magican II	In	Kokutaku 729-40 S	In	006 Guard	Anti	MG II	Long
Magican III	In	Kokutaku 755	Long	007 Submarine	In	SS	Out
Memo	In	Kokutaku 802-40	Out	008 Topenergy	In	<b>90) HAIFU</b>	
Memo II	In	Kokutaku R.I.T.C. 729 SP	In	009 Superspin G3	In	001 Whale	In
Memo III	In	R.I.T.C. 563	Out	<b>010 Superspin G4</b>	<b>In</b>	002 Shark	In
Nittaku C 7	Out	R.I.T.C. 563-1	Out	<b>011 Superverloce V12</b>	<b>In</b>	003 Penguin	Out
Nittaku Hurricane II	In	R.I.T.C. 729	In	<b>012 Dragon Talon</b>	<b>Long</b>	004 Dolphin	Out
Nittaku Hurricane III	In	R.I.T.C. 729-2	In	<b>013 Snowflake</b>	<b>Long</b>	005 Whale III	In
Nittaku Hurricane Pro II	In	R.I.T.C. 729-3	In	<b>014 Cropcircles</b>	<b>Long</b>	006 Shark III	In
Nittaku Hurricane Pro III	In	R.I.T.C. 729-40H	In	<b>015 Blast</b>	<b>Out</b>	007 Pirates 07	In
PF 4	In	<b>111) DSP.CUP</b>		<b>016 612</b>	<b>Out</b>	008 Pirates 08	In
PF 4-1	In	001 Superwave.AX	In	807	In	<b>009 Octopus</b>	<b>Long</b>
PF 4 Nittaku	In	<b>107) DUNLOP</b>		<b>29) GEWO</b>		<b>97) HALEX</b>	
Sharping	Out	001 Blackstorm Nitro	In	001 Proton	In	(no other mark)	In
Sharping Nittaku	Out	002 Blackstorm Nemesis	In	002 Stratos	In	XR - 3000	In
Skyline	In	003 Venom Control	In	003 Reflexx	In		
Skyline II	In	004 Venom Power	In	004 Thunderball <sup>2</sup>	In		
Skyline III	In	005 Venom Attack	In	Maxima	In		
Surpass	In	006 Venom Spin	In	Mega Flex Control	In		
TNT	In	007 4D Ultimate	In	Nano	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>35) HALLMARK</b>		Moskito	In	<b>45) KOKUTAKU</b>		8512	Long	
002 Podium	In	Octopus	Long	<b>"KOKUTAKU" is also used as part of a brand name for "FRIENDSHIP".</b>		9012	Long	
003 Friction Super Special	Long	orbit ICU	In		<b>49) MILKY WAY</b>		001 Apollo	In
004 Pheonix	Long	Peking	In		002 Sun	In	003 Moon	In
005 Friction Special 2	Long	Poker	Long ‡		955	Long	9000	In
006 Green Power	In	Samba	In		Earth	In	Earth	In
Frustration	Long	Samba Ntec	In		Jupiter	In	Mars	In
Half Long	Out	Smart	In		Mercury	In	Mercury	In
Magic Pips	Out	Smash	In		Neptune	Long	Neptune	Long
Mirage	Anti	Snabb	Out		Pluto	Out	Pluto	Out
Panther	Out	Spring Thunder	In		Saturn	In	Saturn	In
Power Spin	In	Staccato	Out		Venus	In	Venus	In
<b>104) HUARUITE</b>		Tango	In		<b>50) MIZUNO</b>		001 Charge SS	In
001 Wujilong	In	Tango Extrem	In		002 Plaudit MF	In	003 Quasar	In
<b>36) IMPERIAL</b>		Tango Metallic	In	<b>004 Quasar MF</b>	<b>In</b>	Booster EV	Out	
001 Factor	In	Tango Titan 3.0	In	Booster SA	Out	Booster SA	Out	
China	In	Tango Ultra	Out	Charge	In	Charge	In	
Crash	In	Teacher	In	Charge MF	In	Charge MF	In	
Cyber Tacky	In	Terminator	In	ChargePro	In	ChargePro	In	
Force	In	Thema	In	HyperZone	In	HyperZone	In	
Rubber 11 20 one	In	Topspin	In	Plaudit	In	Plaudit	In	
Rubber 45 20 one	In	Tramp	In	Polaris	Out	Polaris	Out	
Super Strike	In	<b>41) JUIC</b>		Unison	In	Unison	In	
Swift	In	001 Aircondle	In	<b>51) NB ENEBE</b>		★	In	
<b>38) JAPTEC</b>		004 Nanospin	In	★ ★	In	★ ★ ★	In	
Balance	In	005 Patisuma III	Out	★ ★ ★	In	Pro	In	
DL - 01	Long	006 Nano Spin II	In	<b>91) NEOTTEC</b>		001 Hinomi	In	
Experience	In	999	In	002 Iken	In	002 Iken	In	
Performance	In	999 Elite	In	003 Katana	In	003 Katana	In	
Precision	In	Anti Super Spin	Anti	004 Tokkan	Long	004 Tokkan	Long	
<b>40) JOOLA</b>		Couga	In [B]	005 Maxima	In	005 Maxima	In	
001 Express	In	Dany III	In	<b>94) NEXY</b>		001 Demian	In	
002 Shark	Long	Dany V	In	002 Kairos	Out	002 Kairos	Out	
003 Orca	Long	DrivaSmash	In	003 Chaos	Long	003 Chaos	Long	
004 Amy	Anti	DrivaSmash SV	In	<b>53) NIMATSU</b>		001 Chimera	In	
005 Express X-Plode	In	Driva Smash Ultima	In	002 Zerberus	Long	002 Zerberus	Long	
006 Express Ultra	Out	Leggy R	Long	Hurricane	In	Hurricane	In	
007 Phénix	In	Masterspin	Out	Pegasus	In	Pegasus	In	
008 X-Plode	In	Masterspin II	Out	Scorpion	In	Scorpion	In	
009 Brave	In	NanoCannon	In	Spinfighter ★ ★ ★	In	Spinfighter ★ ★ ★	In	
4 all	In	Neo Anti	Anti	XX5	In	XX5	In	
4 You	In	Offense	Out	<b>54) NITTAKU</b>		<b>"NITTAKU" is also used as part of some brand names for "DOUBLE HAPPINESS/DHS".</b>		
air !	In	Patisuma	Out				001 Moristo RS	In
Amigo	Out ‡	Patisuma II	Out				002 Renanos Bright	In
Anti Topspin Toni Hold	Anti	PipsAce	Out ‡				003 Specialist Hibiki	Out
Antispin Soft	Anti	Scramble	In				004 Narucross 44	Out
Badman	Long	Scramble 21	In					
Basic	In	Shenron	In	<b>47) LKT</b>				
Cava	In	Spark	In	001 Rapid Speed	In			
Compass	In	SpinSpiel	In	002 Rapid Power	In			
Dingo	In	Varites	In	003 Rapid Sound	In			
Drum	In	<b>42) KETTLER</b>		004 Rapid Soft	In			
EasySpin	In	Coach	In	005 Black Power	In[B]			
Echo	In	Master	In	006 Red Diamond	In[R]			
Energy	In	Professional	In	Pro XP	In			
Energy X-tra	In	<b>43) KILLERSPIN</b>		Pro XT	In			
Fiesta	In	001 Blast	In	Recoil	In			
GX 75	In	002 Fortissimo	In	Torrent E.G.S.	In			
Mambo	In	003 GT 2	In	<b>48) METEOR</b>				
Mambo C	In	Nitrx-4Z	In	575	Out			
Mambo GP	In	<b>44) KINSON</b>		71-1	Long			
Mambo H	In	Perfect	In	71-2	Out			
		Super Spin	In	813	In			
				835	In			
				845	Out			

ITTF N°) SUPPLIER		ITTF N°) SUPPLIER		ITTF N°) SUPPLIER		ITTF N°) SUPPLIER	
Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type
005 Annsort	In	Hadou	In	003 Gears	In	Destroyer	Long
006 Hammond FA Speed	Out	Hidden Dragon	In	005 Ghost	Out	Doer	In
007 Hammond Pro β	In	HK1997	In	006 Code	Long	Drive	In
008 Renanos BS	In	Macro	In	007 T88 Taiji	In	Energy Absorber	Anti
009 Renanos Hold	In	Macro Pro	In	008 T88	In	Evo	In
011 Narucross GS	In	Maximo	In	009 T88 - I	In	Future	In
012 Learner	In	Wildish Dragon	In	010 T88 - II	In	Innova	In
<b>013 Wallest</b>	<b>Out</b>	WP1013	Out	011 T88 - III	In	Innova Premium	In
015 Fastarc G-1	In	<b>56) PEACE</b>		<b>113) SAVIGA</b>		Innova Ultra Light	In
016 Fastarc S-1	In	<b>"PEACE" is also used</b>		<b>"SAVIGA" is also used</b>		Innova Ultra Light	In
<b>017 Galze</b>	<b>In</b>	<b>as part of a brand name</b>		<b>as part of a brand name</b>		Synergy Tech	In
<b>018 Royallarge</b>	<b>Out</b>	<b>for "GAMBLER".</b>		<b>for "DAWEI".</b>		Magic	In
<b>019 Retora</b>	<b>In</b>	001 LGO 44	Out	001 Turbo	In	Magna	In
Arufeel	In	C'oma	In	002 Fantasy	Long	Mendo	In
Best Anti	Anti	G'enstar	In	<b>63) SCHILDKRÖT</b>		Mendo Energy	In
Express	Out	Leo	In	Avantgarde ***	In	Mendo MP	In
Graffiti	In	Nova	In	Champion *****	In	Neos	In
Hammond	In	Vela	In	Elite	In	Neos Sound	In
Hammond FA	Out	<b>57) POINT BLANK</b>		Energy	In	Neos Sound Synergy Tech	In
Hammond Pro α	In	Illusion	In	Jade	In	Neos Synergy Tech	In
Hammond X	In	One Star	In	Prestige	In	Neos Tacky	In
Hi-Super Drive	In	Star	In	Spinmax	In	Optimum MP	In
Japan Original	In	Super Star	In	<b>108) SPINLORD</b>		Premium	In
J.O. Pen	In	Three Star	In	001 Marder	In	Radical	Out
J.O. Shake	In	Topgun	In	002 Tiger	In	Royal	Out
J.O. Waldner	In	Top Star	In	003 Adler	In	Stream	In
J.O. Waldner S.C.	In	Two Star	In	<b>004 Zeitgeist</b>	<b>Long</b>	Triumph	In
Magic Carbon	In	<b>58) PRASIDHA</b>		<b>005 Stachelfeuer</b>	<b>Long</b>	<b>69) SUNFLEX</b>	
Micro	In	001 Apple	In	<b>93) SPOKEY</b>		001 Expert Xonox	In
Moristo 2000	In	820	Out	001 Master	In	002 Expert Zeno	In
Moristo 44	Out	830	In	<b>66) SPORTCRAFT</b>		AF 50	In
Moristo DF	In	838	In	***	In	BZ 60	In
Moristo FG	In	1615	Long	****	In	Mandarin	In
Moristo LP	Long	Action	Out	*****	In	Mikado	In
Moristo LP One	Long	Frankfurt	In	<b>67) STAG</b>		Mogul	In
Moristo SP	Out	Hamburg	In	001 Peter Karlsson	In	Samurai	In
Narucross	In	Long A	Long	002 Peter Karlsson Training	In	Shogun	In
Narucross EX	In	Osaka	In	003 High Tension Explosive	In	Sun-Control	In
Narucross tension	In	Speed - F	Out	All Round	In	Sun-Power	In
Nodias	In	Tokyo	In	Ninja Attack	In	Taipan	In
Pimplemini	Out	Twister 8338	In	Ninja Fire	In	<b>70) SWORD</b>	
Pimplemini One	Out	<b>60) REACTOR</b>		Power Drive	In	001 Break	In
Refoma	In	Boaz	In	Thunder Spin	In	002 Paladin	In
Renanos	In	Ckylin	In	<b>68) STIGA</b>		003 Scylla	Long
Screw	Long	Corbor	In	001 Boost TP	In	<b>005 Maze</b>	<b>In</b>
Screw One	Long	Novar	In	002 Boost TC	In	<b>006 Nano</b>	<b>In</b>
Specialist Chikara	Out	Sonix	In	003 Boost TS	In	2000-F	In
Specialist One	Out	Thunder	In	004 Boost TX	In	Hero	In
Specialist Soft	Out	Tornado	In	005 JMS EVO 1	In	King	In
Specialist Soft HS	Out	<b>61) RUCANOR</b>		006 Magna TC II	In	RG	In
Spiral	In	001 Competition	In	007 Magna TS II	In	<b>88) TALENT</b>	
Super Large	Out	Competition	In	008 Calibra LT	In	<b>"TALENT" is also</b>	
Tracer	In	Mogi Ura	In	009 Calibra LT Sound	In	<b>used as part of a brand</b>	
Universal- Ribbon	In	Orient	In	<b>010 Power LT</b>	<b>In</b>	<b>name for "BOMB".</b>	
Universal- Ribbon	Out	TTB-150	In	Almana	In	001 Spider King	In
<b>55) PALIO</b>		<b>87) SAN - EI</b>		Almana Sound	In	<b>72) TECNOPRO</b>	
001 Macro ERA	In	001 Taipan	In	Almana Sound Synergy Tech	In	Competition	In
002 Conqueror	In	002 Samurai	In	Carbo	In	Expert	In
003 Flying Dragon	Out	003 Shogun	In	Carbo MC	In	Supercom	In
004 Power Dragon	Out	<b>62) SANWEI</b>		Carbo Sound	In	Tournament	In
005 Thor's	In	001 Target	In	China Extreme	In	<b>73) THREE NINE</b>	
006 Blit'z	In	002 Rings Link	In	Chop & Drive	In	999 T-1	In
AK47	In	<b>82) SANWEI</b>		Clippa	Out	999 T-2	In
Amigo	In	001 Target	In	Cobra 2000	In	999 T-3	In
CJ8000	In	002 Rings Link	In			Super 999 T	In
CK531A	Long						
Drunken Dragon	In						
Emperor Dragon	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>		<b>008 Rise Speed</b>	<i>In</i>	<b>109) WIN</b>		<b>82) YAPING</b>	
001 Sinus	In	730	In	001 Spear	In	139	In
002 Grass Flex	Out	Actor	In	002 Aegis	In	<b>83) YASAKA</b>	
003 Grass Ultra	Long	Barri - Up	In	003 Axe	In	001 Pryde	In
004 Primus	In	Bjorn	In	004 Bow	In	002 Pryde 30	In
005 Genius	In	Bolt	In	<b>78) WINNING</b>		003 Xtend LB	Out
006 Nianmor	In	Brio	In	738 Super	In	004 Cadet	In
007 Aurus	In	Cesalo	In	Friendship 729 Super TSS	In	005 Marvelous	Out
008 Grip - S	In	Curl P-1 R	Long	King Power Komann	In	006 Pryde 40	In
009 Genius +	In	Curl P-2	Out	Komann	In	007 Rakza 7	In
010 Mythik	Long	Curl P-3	Long	Komann Super Fit	In	008 Rakza 9	In
011 Karisma	In	Curl P-3α R	Long	NP - 1	Out	009 Rakza 7 Soft	In
<b>012 Evolution FX - P</b>	<i>In</i>	Cut Man	In	NP - 2	Out	010 Rakza 9 Soft	In
<b>013 Evolution MX - P</b>	<i>In</i>	D-Top	In	NP - 6	Out	011 Mark V HPS	In
<b>014 Grip - S Europe</b>	<i>In</i>	Giant	In	NP - 8	Out	012 Mark V HPS Soft	In
Black Techno	In [B]	Hiyaku	In	<b>79) XIOM</b>		013 Rakza PO	Out
Bungee	In	L Catcher	Out	001 Sigma	In	Anti Power	In
Dang	In	Milli Tall II	Out	002 Zeta	In	A-1-2 A-1	Out
Ellen	Anti	Miracle	Out	003 Omega IV	In	A-1-2 A-2	Out
Extra Long	Long ≠	Miracle Super	Out	004 Flamenco	In	Cobalt α	Out
Grass	Long	Real	In	005 Sigma I	In	Cobalt X1	Out
Grass D. TecS	Long	Spectol	Out	006 Sigma II	In	Cobalt X2	Out
Learn Cont	In	Summit	In	007 Sigma III	In	Extreme Speed	In
Learn Spin	In	Super Spinpips	Out	008 Vega Europe	In	Fusion	In
Legend	In	Tarbit	In	009 Vega Asia	In	Large Pro	Out
Makss	In	Tation	In	010 Sigma I Japan Special	In	Mark V	In
Nimbus	In	T - Rex	In	011 Zava 1	Out	Mark V AD	In
Norm	In	Triple	In	012 Vega Pro	In	Mark V GPS	In
Phantom	In	Tyranno	Out	013 Vega Elite	In	Mark V M <sup>2</sup>	In
Rapid	In	U Q	In	<b>014 Tau I</b>	<i>In</i>	Mark V XS	In
Rapid D. TecS	In	X's	In	<b>015 Tau II</b>	<i>In</i>	New Era	In
Rapid Soft	In	X's F-1	In	<b>016 Tau III</b>	<i>In</i>	Original	In
Rapid X-Press	In	X's F-1 V	In	<b>017 Pro</b>	<i>In</i>	Original	Out
Rookie D. TecS	In	<b>77) TT MASTER</b>		<b>018 Omega IV Asia</b>	<i>In</i>	Original A-1	Out
Samurai	In	001 Fireproof II	Long	<b>019 Omega IV Europe</b>	<i>In</i>	Original A-2	Out
Serie 2000	In	002 Punto	Long	<b>020 Omega IV Elite</b>	<i>In</i>	Original Extra	In
Speedy S/L	In	005 Master Spin	In	<b>021 Vega Pro China</b>	<i>In</i>	PB-1	Out
Speedy Soft	Out	006 Master Anti	Anti	<i>Special</i>	<i>In</i>	Phantom 007	Long
Speedy Soft D. TecS	Out	007 Selection	Long	<b>022 Vega Asia China</b>	<i>In</i>	Phantom 008	Long
Speedy Spin	In	Fireproof	Long	<i>Special</i>	<i>In</i>	Phantom 009	Long
Speedy Spin Premium	In	S - Max	In	Guillotine - S	Long	Phantom 0011 ∞	Long
Standard	In	<b>96) TUTTLE</b>		Max - Leverage	In	Phantom 0012 ∞	Long
Storm	In	001 Beijing	In	Omega I	In	Top 12	In
Super Defense 40	In	002 World No. 1	In	Omega II	In	Vision	In
Torpedo	In	003 AAA	In	Omega III	In	V Stage	In
Vari Spin	In	<b>004 LV</b>	<i>In</i>	Pro - Exclusive	In	Wallie	In
Vari Spin D. TecS	In	<b>005 888</b>	<i>In</i>	Pro - Z	In	Xtend	In
Volcano	In	<b>006 Spring - 3B</b>	<i>In</i>	Styx - SP	Out	Xtend HS	In
<b>75) TONI HOLD</b>		<b>007 Summer - 3C</b>	<i>Out</i>	True - Innovation	In	Xtend PO	Out
"TONI HOLD" is also used as part of a brand name for "JOOLA".		<b>008 Autumn - 3D</b>	<i>Out</i>	Yanus - DF	In	Zap	In
		<b>009 Winter - 3E</b>	<i>Out</i>	<b>80) XIYING</b>		<b>84) YASHIMA</b>	
Anti Topspin New 40	Anti	<b>85) V 3 TEC</b>		889	Out	Competition XR3000	In
<b>76) TSP</b>		001 Spin Attack X3	In	979	Long	Go Sport XR3000	In
001 Curl P-H	Long	002 Fast Control S1	In	999	In	Go Sport XX5	In
003 Deus	In	003 Power Drive Y5	In	<b>81) XUSHAOFA</b>		Upper Spin	
004 Grandy	In	<b>117) VICTAS</b>		999	In	Competition XR7	In
<b>005 Agrit</b>	<i>In</i>	<b>001 VO - 101</b>	<i>Out</i>	999 LSZ	In	XX3	In
<b>006 Agrit Speed</b>	<i>In</i>	<b>002 VLB - 301</b>	<i>Out</i>	999 Yang	In	XX-5	In
<b>007 Rise</b>	<i>In</i>	<b>003 VS - 401</b>	<i>Out</i>	999 ZCD	In		
				Globe 999	In		



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