

# LARC (LIST AUTHORISED RACKET COVERINGS) N°32 1 JULY 2011 – 31 DECEMBER 2011

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The new rubbers entering LARC 32 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 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>		009 Victory	In	Attack 3 Type L	Out	Ippon	In
001 Wind FT	Long	010 Shot	Out	Attack 3 Type M	Out	Super Champ	In
002 Lightning DS	In	<b>03) ANDRO</b>		Attack 8 Type L	Out	<b>07) AVALOX / AVX</b>	
003 Thunder LM	In	001 Roxon	In	Attack 8 Type M	Out	001 Purot	In
<b>01) 999</b>		002 Roxon 500 Pro	In	Attack 8 Type M EXX	Out	002 Sogno	In
"999" is also used as part of a brand name for "CRACK", "GLOBE", "JUIC", "THREE NINE", "XIYING" and "XUSHAOFA".		003 Roxon 330	In	Conqueror	In	Athlos	In
		004 Blowfish	Out	Conqueror SS	In	Horme	In
		005 Blowfish +	Out	Hikari Drive	In	Mo	Long
		006 Chaos	Long	Hikari SR7	In	Pronte	In
		007 Hexer	In	Long Pimple	Out	Purot	In
		008 Hexer +	In	New Anti Spin	Anti	Sogno	In
		009 Revo Fire	In	New Chopper	In	Sterco	In
		010 Hexer Duro	In	New Spirit Hi	In		
		011 Hexer Pips	Out	Red Mark	In	<b>08) BANCO</b>	
		012 Hexer Pips +	Out	Red Mark Type 1-3	Out	001 Extreme	In
		013 Sonnentau	In	Red Mark Type 1-4	Out	002 Dynamic	In
		<b>014 Shifter</b>	<b>In</b>	Red Mark Type 1-5	Out	003 Ouragan	In
		<b>015 Shifter Powersponge</b>	<b>In</b>	Rosin	Out	Allstar	In
		<b>016 Backside 2.0</b>	<b>In</b>	Twister	Long	Diva Energie	In
		<b>017 Nightmare</b>	<b>In</b>	Twister EXT	Out	Dreamfire	In
		<b>018 Hexer HD</b>	<b>In</b>	Vector	In	Excellence	In
		Backside	In	W-α Ex x	Out	Feeling	In
		Classic	Out	Warrior	In	Furio	In
		EX – 8	In	<b>05) ARTENGO</b>		Futura Energie	In
		Focus	In	001 930 A	In	Impact Energie	Out
		Impuls	In	003 920 S	In	Perfect	In
		Impuls Speed	In	004 950 S	In	Puissance	In
		Logo	Out	005 900 C	In	Start ★★	In
		LP – 22	Long	007 851 O	In	Start ★★★	In
		Plasma	In	008 861 O	In	Variation Energy	In
		Revolution	In	009 881 O	In		
		Revolution C.O.R.	In	010 703 O	In	<b>10) BEST</b>	
		Revolution C.O.R. <sup>2</sup>	In	011 853 O	In	"BEST" is also used as part of a brand name for "NITTAKU".	
		Revolution C.O.R Pips	Out	012 863 O	In	★ ★	In
		Revolution Fire	In	013 883 O	In	★ ★ ★	In
		Revolution Quad	In	702 O	In		
		Rocket	In	930 S	In	<b>12) BOMB</b>	
		Start	In	<b>06) ATEMI</b>		<b>001 Oscule</b>	<b>In</b>
		Trophy	In	Ace	In	Apex	In
		Upgrade	In	Advantage	In	Bombard	In
		Zenith-G	In	Challenge	In	Hammer	Out
		<b>04) ARMSTRONG</b>		Debut	In	King Roc	Out
		Aka Mark Max	Out	Fight Power	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
Mopha	In	Sriver L	In	Master	In	Coppa JO	In
Raider	In	Sriver S	In	SP	In	Coppa JO Gold	In
Rex	In	Stayer	In	Twister	In	Coppa JO Silver	In
Talent	Long	Super Anti	Anti			Coppa Tagora	In
Tensa	In	Super-Sriver	In	<b>99) CTT</b>		Coppa Tenero	In
Ufo	In	Tackifire-C	In	001 National Pride	In	Desto F1	In
Violent	In	Tackifire-D	In	002 National Strike	In	Desto F1-S	In
		Tackifire SP	In	003 National Pogo	Long	Desto F2	In
<b>14) BUTTERFLY</b>		Tackiness-C	In	004 National Hero	In	Desto F3	In
001 Tenergy 05	In	Tackiness-C II	In			Duo	In
002 Tenergy 25	In	Tackiness-D	In	<b>19) DARKER</b>		Easy-Slick	In
003 Tenergy 64	In	Tempest	In	Provine	In	Gallardo Power Sound	In
004 Pan Asia - X	In	Tenergy	In	Spalbird	In	Gallardo Sound	In
005 Spinart	In	Wakaba	In	Vlon-S	In	Gallardo Speed	In
006 Sriver G3	In	West Will	Out			J.O. Waldner	In
007 Sriver G3 FX	In	Yuki	In	<b>20) DAWEI</b>		Liga	In
008 Roundell	In			2008	In	Piranja FD TEC	Long
009 Tenergy 05 FX	In	<b>15) CARREFOUR</b>		388A	In	Quattro	In
010 Tenergy 25 FX	In	Top Life	In	388A-4	In	Quattro A'Conda	In
011 Tenergy 64 FX	In			388C-1	Out	Quattro Formula	In
012 Flarestorm II	Out	<b>16) CHAMPION</b>		388D	Long	Slice 40	In
<b>013 Addoy</b>	<b>In</b>	"CHAMPION" is used as		388D-1	Long	Solo	In
<b>014 Wakaba</b>	<b>In</b>	part of a brand name for		Inspirit	In	Sonex JP	In
<b>015 Pan Asia</b>	<b>In</b>	"SCHILDKRÖT".		Saviga	In	Sonex JP Gold	In
<b>016 Yuki</b>	<b>In</b>			Saviga V	Long	Sonex JP Soft	In
<b>017 Dignics</b>	<b>In</b>					Supersonic	In
Addoy	In	Apache	In	<b>118) DER-</b>		Twingo	In
Biriba	In [R]	Aragorn	In	<b>MATERIALSPEZIALIST</b>		Twister 40	Out
Black	In [B]	Cyclops	In	<b>001 Nightmare</b>	<b>Anti</b>	Vari-Slick	In
Bryce	In	ElySION	In			Vario	In
Bryce FX	In	Hexa	In	<b>21) DONIC</b>		Vario Cooper S	In
Bryce Speed	In	Iason	In	001 Coppa JO Platin	In	Vario Soft	In
Bryce Speed FX	In	Khan	In	002 Vario Gold	In		
Catapult	In	Mercury	In	003 Alligator Def	Long	<b>22) DONIER</b>	
Cermet	In	Next	In	006 Baracuda	In	Black Spin	In
Challenger Attack	Out	Partizan	In	007 Coppa Speed	In	Max	In
Challenger Large	Out	Quantum	In	008 Baxster LB	Out	Max Attack	In
D'Or	In	Spartan	In	009 Twister LB	Out	SP 2	In
Driver	In [R]	Trident	In	010 Vario Big Slam	In	SP 4	In
Ekrips	In	Trojan	In	011 Acuda S1	In	SP 8	In
Feint AG	Long	Tron	In	012 Acuda S2	In	SP 12	In
Feint Long II	Long	Ulyssis	In	013 Acuda S3	In	Ultimate Fighting	In
Feint Long III	Long			014 Coppa X1	In	Versus	In
Feint-Ox	Long	<b>17) CORNILLEAU</b>		015 Coppa X2	In		
Feint-Soft	Long	001 ★	In	016 Coppa X3	In	<b>23) DOUBLE FISH</b>	
Flarestorm	Out	002 ★★	In	017 Traction HS	In	001 A One	In
Flextra	In	003 ★★★	In	018 Traction MS	In	002 FA 213	In
Fräulein	In	004 ★★★★★	In	<b>019 Waldner Legend</b>	<b>In</b>	003 FC 218	In
Large 44 DX	Out	005 ★★★★★★	In	<b>020 Vario Platin</b>	<b>In</b>	004 FS 232	In
Lemuria	In	006 ★★★★★★	In	<b>021 Vario Sound</b>	<b>In</b>	005 FL 233	In
Magnitude	Long	007 Performa 1	In	<b>022 Alligator Anti</b>	<b>Anti</b>	006 8338	In
Morim	In	008 Performa 2	In	<b>023 Anti Classic</b>	<b>Anti</b>	007 8484	In
NS 44	Out	009 Pilot Advance	In	<b>024 Acuda S1 Turbo</b>	<b>In</b>	008 1615	Long
Orthodox-DX,103	Out	010 Pilot Power	In	66 GS	In	009 815	In
Pan Asia	In	011 Pilot Style	In	77 GS	In	010 820 A	Out
Pecular	Out	012 Pilot Control	In	★	In	011 830	In
Raystorm	Out	013 Drive Style	In	★★	In	012 Volant	In
Rein	Out	014 Drive Control	In	★★★	In	013 Volant 2	In
Relop Attack	Long	015 Start Up'	In	Akkadi Java	In	014 Volant 3	In
Relop Large	Out	<b>016 Pulse Racer</b>	<b>In</b>	Akkadi K 1	Out	815	In
Sapphira	In	<b>017 Pulse Rider</b>	<b>In</b>	Akkadi K 2	Out	820A	Out
Selvid	In	<b>018 Target Ultim</b>	<b>In</b>	Akkadi L 1	Long	830	In
Soft	In	<b>019 Target Sound</b>	<b>In</b>	Akkadi L 2	Long	1615	Long
Solcion	In	★★	In	Akkadi Taichi	In	8338	In
Speedy-P.O.	Out	★★★	In	Alpha-Slick	In	8484	In
Sprier	In	★★★★	In	Anti 40	Anti	F.A. 213	In
Sriver EL	In	★★★★★	In	Baxster	Out	F.C. 218	In
Sriver FX	In	★★★★★	In	Blues	In	F.L. 233	In
Sriver G2	In			Blues F5	In	F.S. 232	In
Sriver G2 FX	In	<b>18) CRACK</b>		Coppa	In	Volant	In
		999	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 III	In	R.I.T.C. 729 Higher	In	<b>31) GKI</b>	
001 Hurricane	In	TNT Nittaku	In	R.I.T.C. 729 SP	In	001 Nano Sting	Long
002 Hurricane II	In	<b>25) DOUBLE POWER</b>		R.I.T.C. 729 SST	In	002 Euro Chelonz	In
004 PF 4	In	No. 3080	In	R.I.T.C. 755	Long	004 ChelonZ HybridZ	In
005 Skyline II	In	<b>26) DR NEUBAUER</b>		R.I.T.C. 799	Out	<b>005 HybridZ GX</b>	<b>In</b>
006 Skyline III	In	001 Special Defence	In	R.I.T.C. 802	Out	Euro *	In
008 Memo	In	002 Goliath	In	R.I.T.C. 802-1	Out	Euro Jumbo	In
009 Memo II	In	003 Monster Classic	Long	R.I.T.C. 802-40	Out	Euro Spintec	In
010 Memo III	In	004 Boomerang Classic	Long	R.I.T.C. 804	Anti	Euro V	In
013 6512	In	005 Gorilla	Anti	R.I.T.C. 837	Long	Euro XX	In
014 PF 4-1	In	006 Grizzly	Anti	R.I.T.C. 2000 Tack-Speed	In	Nano Attack	Out
018 G 888	In	007 Anti Special	Anti	Sky-Wing	In	Nano Force	In
027 C 8	Long	008 A - B - S	Anti	Super 729 FX	In		
028 Cloud & Fog II	Out	009 Fighter	Long	Top Point	In	<b>32) GLOBE</b>	
040 PF 4 Nittaku	In	010 Inferno Classic	Long	<b>28) GAMBLER</b>		<b>"GLOBE"</b> is also used	
041 G 888 Nittaku	In	Diamant	Out	001 Wraith	In	as part of a brand name	
045 Tin Arc	In	Domination	In	002 Shadow	In	for <b>"XUSHAOFA"</b> .	
046 Tin Arc II	In	Leopard	Out	003 Reflectoid	In		
047 Tin Arc III	In	Pistol	Out	4 Kings	In	001 Mo Wang	Long
048 Gold Arc	In	Tornado Ultra	Out	Aces	In	002 Mo Wang II	Long
049 Gold Arc II	In	<b>111) DSP.CUP</b>		Outlaw	In	888	Out
050 Gold Arc III	In	001 Superwave.AX	In	Peace Keeper	Out	889	Out
054 Hurricane 8	In	<b>107) DUNLOP</b>		Six Shooter	In	889-2	Out
055 Hurricane 9	In	001 Blackstorm Nitro	In	<b>112) GENOTE</b>		979	Long
108 Hurricane III	In	002 Blackstorm Nemesis	In	001 Peak-power	In	999	In
651	Out	003 Venom Control	In	<b>29) GEWO</b>		999T	In
652	Out	004 Venom Power	In	001 Proton	In	Awala	In
6512	In	005 Venom Attack	In	002 Stratos	In	Jinxuanfeng II	In
874	Out	006 Venom Spin	In	003 Reflexx	In	Jinxuanfeng III	In
C7	Out	007 4D Ultimate	In	004 Thunderball 2	In	Liqin	In
C - 8	Long	<b>27) FRIENDSHIP</b>		Mega Flex Control	In	Magicwand	In
Cloud & Fog II	Long	<b>"FRIENDSHIP"</b> is also used		Nano	In	Prize	In
Cloud & Fog III	Long	as part of a brand name for		Target airTEC	In	Taiphooon Gold	In
Dipper	In	<b>"KOKUTAKU", "WINNING"</b> .		Target Energy	In	Tropy	In
Dipper II	In			Viper cell TEC	In	Trump Card	In
Dipper III	In	001 R.I.T.C 729 - 5	In	<b>30) GIANT DRAGON</b>		<b>86) GUO AO</b>	
Dragonow	Out	002 R.I.T.C. 755 - 2	Long	001 Taichi	In	<b>001 718</b>	<b>In</b>
G555	In	003 Kokutaku New 729-2	In	002 Karate	In	<b>34) GUOQIU</b>	
G666	In	004 R.I.T.C 729 - 08	In	003 Meteorite	Long	001 Gong Fu	In
G666 Nittaku	In	005 729 105	Out	004 Giant Long	Long	AB	In
G777	In	006 729 Battle	In	005 Allround	In	FF	In
G888	In	007 729 Battle II	In	006 Guard	Anti	HB	In
G888 Nittaku	In	008 <b>729</b> Origin	In	007 Submarine	In	MG	Long
Hurricane	In	729 Focus	In	008 Topenergy	In	MG II	Long
Hurricane II	In	729 Focus II	In	009 Superspin G3	In	SS	Out
Hurricane III	In	729 Focus III	In	010 Superspin G4	In	<b>90) HAIFU</b>	
Magican	In	729 High Point	In	011 Superveloce V12	In	001 Whale	In
Magican II	In	Kokutaku 563 - 1	Out	012 Dragon Talon	Long	002 Shark	In
Magican III	In	Kokutaku 729-40 H	In	013 Snowflake	Long	003 Penguin	Out
Memo	In	Kokutaku 729-40 S	In	014 Crocicircles	Long	004 Dolphin	Out
Memo II	In	Kokutaku 755	Long	015 Blast	Out	005 Whale III	In
Memo III	In	Kokutaku 802-40	Out	016 612	Out	006 Shark III	In
Nittaku C 7	Out	Kokutaku R.I.T.C. 729 SP	In	<b>017 Attack Long</b>	Long	007 Pirates 07	In
Nittaku Hurricane II	In	R.I.T.C. 563	Out	807	In	008 Pirates 08	In
Nittaku Hurricane III	In	R.I.T.C. 563-1	Out	8086	In	009 Octopus	Long
Nittaku Hurricane Pro II	In	R.I.T.C. 729	In	8087	In	<b>010 O. Orca</b>	<b>In</b>
Nittaku Hurricane Pro III	In	R.I.T.C. 729-2	In	8088	In	<b>011 Otariidae</b>	<b>In</b>
PF 4	In	R.I.T.C. 729-3	In	8228 A	Out	<b>97) HALEX</b>	
PF 4-1	In	R.I.T.C. 729-40H	In	8228 B	In	(no other mark)	In
PF 4 Nittaku	In	R.I.T.C. 729-40S	In	Extspeed	In	XR - 3000	In
Sharping	Out	R.I.T.C. 729 Cream	In	Superspin	In	<b>35) HALLMARK</b>	
Sharping Nittaku	Out	R.I.T.C. 729 Dr. Evil	Out	Superspeed	In	002 Podium	In
Skyline	In	R.I.T.C. 729 Faster	In	Superspin	In	003 Friction Super Special	Long
Skyline II	In	R.I.T.C. 729 GeoSpin	In	Superspin G2	In	004 Pheonix	Long
Skyline III	In	R.I.T.C. 729 GeoSpin Tacky	In			005 Friction Special 2	Long
Surpass	In						
TNT	In						
TNT II	In						

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Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type
006 Green Power	In	Teacher	In	<b>110) KTL</b>		Saturn	In
Frustration	Long	Thema	In	001 Black Power	In [B]	Venus	In
Half Long	Out	Topspin	In	002 Red Diamond	In [R]	<b>50) MIZUNO</b>	
Magic Pips	Out	Tramp	In	<b>003 Stranger</b>	<b>Long</b>	001 Charge SS	In
Mirage	Anti			<b>004 Golden Star</b>	<b>In</b>	002 Plaudit MF	In
Panther	Out	<b>41) JUIC</b>				003 Quasar	In
Power Spin	In	001 Aircondle	In	<b>114) K-P</b>		004 Quasar MF	In
<b>104) HUARUITE</b>		004 Nanospin	In	<b>001 Dynamik 600</b>	<b>In</b>	Booster EV	Out
001 Wujilong	In	005 Patisuma III	Out	<b>002 Dream 900</b>	<b>In</b>	Booster SA	Out
<b>36) IMPERIAL</b>		006 Nano Spin II	In	<b>003 Struggle 800</b>	<b>Out</b>	Charge	In
001 Factor	In	999	In	<b>46) LION</b>		Charge MF	In
China	In	999 Élite	In	001 Roar	In	ChargePro	In
Crash	In	Anti Super Spin	Anti	002 Claw	Long	HyperZone	In
Cyber Tacky	In	Couga	In [B]	003 Star	In	Plaudit	In
Force	In	Dany III	In	004 2 Stars	In	Polaris	Out
Rubber 11 20 one	In	Dany V	In	005 3 Stars	In	Unison	In
Rubber 45 20 one	In	DrivaSmash	In	006 Super 3	In		
Super Strike	In	DrivaSmash SV	In	007 5 Stars	In	<b>51) NB ENEBE</b>	
Swift	In	Driva Smash Ultima	In	008 Aggressor	In	★	In
<b>38) JAPTEC</b>		Leggy R	Long	009 Allrounder	In	★★	In
Balance	In	Masterspin	Out	010 Elite Control	In	★★★	In
DL - 01	Long	Masterspin II	Out	2 Stars	In	Pro	In
Experience	In	NanoCannon	In	3 Stars	In		
Performance	In	Neo Anti	Anti	5 Stars	In	<b>91) NEOTTEC</b>	
Precision	In	Offense	Out	Aggressor	In	001 Hinomi	In
<b>40) JOOLA</b>		Patisuma	Out	Allrounder	In	002 Iken	In
001 Express	In	Patisuma II	Out	Elite Control	In	003 Katana	In
002 Shark	Long	PipsAce	Out ‡	International	In	004 Tokkan	Long
003 Orca	Long	Scramble	In	Scirocco	In	005 Maxima	In
004 Amy	Anti	Scramble 21	In	SS 800	In	<b>94) NEXY</b>	
005 Express X-Plode	In	Shenron	In	Star	In	001 Demian	In
006 Express Ultra	Out	Spark	In	Super Attack	In	002 Kairos	Out
007 Phénix	In	SpinSpiel	In	Super 3	In	003 Chaos	Long
008 X-Plode	In	Varites	In	Typhoon	In		
009 Brave	In	<b>42) KETTLER</b>		XA 900	In	<b>53) NIMATSU</b>	
<b>010 Turbo</b>	<b>In</b>	Coach	In	<b>47) LKT</b>		001 Chimera	In
<b>011 Samba +</b>	<b>In</b>	Master	In	001 Rapid Speed	In	002 Zerberus	Long
<b>012 timeless</b>	<b>Anti</b>	Professional	In	002 Rapid Power	In	Hurricane	In
4 all	In	<b>43) KILLERSPIN</b>		003 Rapid Sound	In	Pegasus	In
4 You	In	001 Blast	In	004 Rapid Soft	In	Scorpion	In
air !	In	002 Fortissimo	In	005 Black Power	In[B]	Spinfighter ★★★	In
Anti Topspin Toni Hold	Anti	003 GT 2	In	006 Red Diamond	In[R]	XX5	In
Badman	Long	Nitrx-4Z	In	Pro XP	In	<b>54) NITTAKU</b>	
Basic	In	<b>44) KINSON</b>		Pro XT	In	“NITTAKU” is also used as part of some brand names for “DOUBLE HAPPINESS/DHS”.	
Compass	In	Perfect	In	Recoil	In		
Drum	In	Super Spin	In	Torrent E.G.S.	In	001 Moristo RS	In
Energy	In	<b>45) KOKUTAKU</b>		<b>48) METEOR</b>		002 Renanos Bright	In
Energy X-tra	In	<b>“KOKUTAKU” is also</b>		575	Out	003 Specialist Hibiki	Out
Fiesta	In	<b>used as part of a brand</b>		71-1	Long	004 Narucross 44	Out
GX 75	In	<b>name for “FRIENDSHIP”.</b>		71-2	Out	005 Annsort	In
Mambo	In			813	In	006 Hammond FA Speed	Out
Mambo C	In	Big Star	In	835	In	007 Hammond Pro β	In
Mambo GP	In	BLütenkirsche 868	In	845	Out	008 Renanos BS	In
Mambo H	In	BLütenkirsche 868 Tokyo	In	8512	Long	009 Renanos Hold	In
Octopus	Long	Clitter	Out	9012	Long	010 Narucross GS	In
orbit ICU	In	Friendship 729 Super	In	<b>49) MILKY WAY</b>		011 Learner	In
Peking	In	Spec-V	In	001 Apollo	In	012 Wallest	In
Samba	In	Spindle	In	002 Sun	In	013 Wallest	<b>Long</b>
Samba NTec	In	Synchron	In	003 Moon	In	015 Fastarc G-1	In
Smart	In	Tuple 007	In	955	Long	016 Fastarc S-1	In
Smash	In	Tuple 007 Taiwan	In	9000	In	017 Galze	In
Snabb	Out	Tuple 110	Out	Earth	In	018 Royallarge	Out
Spring Thunder	In	Tuple 119	Out	Jupiter	In	019 Retora	In
Staccato	Out	Tuple 911	Long	Mars	In	<b>020 Flyatt</b>	<b>In</b>
Tango	In			Mercury	In	<b>021 Pimple Slide</b>	<b>Out</b>
Tango Extrem	In			Neptune	Long	Arufeel	In
Tango Ultra	Out			Pluto	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
Best Anti	Anti	C'oma	In	002 Fantasy	Long	Clippa	Out
Express	Out	Leo	In	<b>63) SCHILDKRÖT</b>		Cobra 2000	In
Graffiti	In	Nova	In	Avantgarde ★★★	In	Destroyer	Long
Hammond	In	Vela	In	Champion ★★★★★	In	Doer	In
Hammond FA	Out	<b>57) POINT BLANK</b>		Elite	In	Drive	In
Hammond Pro α	In	Illusion	In	Energy	In	Energy Absorber	Anti
Hammond X	In	One Star	In	Jade	In	Evo	In
Hi-Super Drive	In	Star	In	Prestige	In	Future	In
Japan Original	In	Super Star	In	Spinmax	In	Innova	In
J.O. Pen	In	Three Star	In	<b>108) SPINLORD</b>		Innova Premium	In
J.O. Shake	In	Topgun	In	001 Marder	In	Innova Ultra Light	In
J.O. Waldner	In	Top Star	In	002 Tiger	In	Innova Ultra Light	
J.O. Waldner S.C.	In	Two Star	In	003 Adler	In	Synergy Tech	In
Magic Carbon	In	<b>58) PRASIDHA</b>		004 Zeitgeist	Long	Magic	In
Micro	In	001 Apple	In	005 Stachelfeuer	Long	Magna	In
Moristo 2000	In	820	Out	<b>006 Dornenglanz</b>	<b>Long</b>	Mendo	In
Moristo 44	Out	830	In	<b>93) SPOKEY</b>		Mendo Energy	In
Moristo DF	In	838	In	001 Master	In	Mendo MP	In
Moristo FG	In	1615	Long	<b>66) SPORTCRAFT</b>		Neos	In
Moristo LP	Long	Action	Out	★★★	In	Neos Sound	In
Moristo LP One	Long	Frankfurt	In	★★★★	In	Neos Sound Synergy Tech	In
Moristo SP	Out	Hamburg	In	<b>67) STAG</b>		Neos Synergy Tech	In
Narucross	In	Long A	Long	001 Peter Karlsson	In	Neos Tacky	In
Narucross EX	In	Osaka	In	002 Peter Karlsson Training	In	Optimum MP	In
Narucross tension	In	Speed - F	Out	003 High Tension Explosive	In	Premium	In
Nodias	In	Tokyo	In	<b>004 Championship</b>	<b>In</b>	Radical	Out
Pimplemini	Out	Twister 8338	In	<b>005 International</b>	<b>In</b>	Royal	Out
Pimplemini One	Out	<b>60) REACTOR</b>		<b>006 Power Drive Plus</b>	<b>In</b>	Stream	In
Refoma	In	<b>001 Mirage</b>	<b>Out</b>	<b>007 Official</b>	<b>In</b>	Triumph	In
Renanos	In	<b>002 Rafale</b>	<b>Out</b>	<b>008 Peter Karlsson Gen-II</b>	<b>In</b>	<b>69) SUNFLEX</b>	
Screw	Long	<b>003 Pioneer</b>	<b>Out</b>	<b>009 Tec</b>	<b>In</b>	001 Expert Xonox	In
Screw One	Long	Boaz	In	All Round	In	002 Expert Zeno	In
Specialist Chikara	Out	Ckylin	In	Ninja Attack	In	AF 50	In
Specialist One	Out	Corbor	In	Ninja Fire	In	BZ 60	In
Specialist Soft	Out	Novar	In	Power Drive	In	Mandarin	In
Specialist Soft HS	Out	Sonix	In	Thunder Spin	In	Mikado	In
Spiral	In	Thunder	In	<b>68) STIGA</b>		Mogul	In
Super Large	Out	Tornado	In	001 Boost TP	In	Samurai	In
Tracer	In	<b>61) RUCANOR</b>		002 Boost TC	In	Shogun	In
Universal- Ribbon	In	001 Competition	In	003 Boost TS	In	Sun-Control	In
Universal- Ribbon	Out	Competition	In	004 Boost TX	In	Sun-Power	In
<b>55) PALIO</b>		Mogi Ura	In	005 JMS EVO 1	In	Taipan	In
001 Macro ERA	In	Orient	In	006 Magna TC II	In	<b>70) SWORD</b>	
002 Conqueror	In	TTB-150	In	007 Magna TS II	In	001 Break	In
003 Flying Dragon	Out	<b>87) SAN - EI</b>		008 Calibra LT	In	002 Paladin	In
004 Power Dragon	Out	001 Taipan	In	009 Calibra LT Sound	In	003 Scylla	Long
005 Thor's	In	002 Samurai	In	010 Power LT	In	005 Maze	In
006 Blit'z	In	003 Shogun	In	<b>011 S</b>	<b>In</b>	006 Nano	In
AK47	In	<b>62) SANWEI</b>		<b>012 S1</b>	<b>In</b>	2000-F	In
Amigo	In	001 Target	In	<b>013 S2</b>	<b>In</b>	Hero	In
CJ8000	In	002 Rings Link	In	<b>014 S3</b>	<b>In</b>	King	In
CK531A	Long	003 Gears	In	<b>015 S4</b>	<b>In</b>	RG	In
Drunken Dragon	In	005 Ghost	Out	<b>016 S5</b>	<b>In</b>	<b>88) TALENT</b>	
Emperor Dragon	In	006 Code	Long	<b>017 Calibra LT Plus</b>	<b>In</b>	<b>"TALENT" is also</b>	
Hadou	In	007 T88 Taiji	In	<b>018 Calibra LT Spin</b>	<b>In</b>	<b>used as part of a brand</b>	
Hidden Dragon	In	008 T88	In	<b>019 Magna TX</b>	<b>In</b>	<b>name for "BOMB".</b>	
HK1997	In	009 T88 - I	In	Almana	In	001 Spider King	In
Macro	In	010 T88 - II	In	Almana Sound	In	<b>72) TECNOPRO</b>	
Macro Pro	In	011 T88 - III	In	Almana Sound Synergy Tech	In	Competition	In
Maximo	In	<b>113) SAVIGA</b>		Carbo	In	Expert	In
Wildish Dragon	In	<b>"SAVIGA" is also used</b>		Carbo MC	In	Supercom	In
WP1013	Out	<b>as part of a brand name</b>		China Extreme	In	Tournament	In
<b>56) PEACE</b>		<b>for "DAWEI".</b>		Chop & Drive	In		
<b>"PEACE" is also used</b>							
<b>as part of a brand name</b>							
<b>for "GAMBLER".</b>							
001 LGO 44	Out	001 Turbo	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>73) THREE NINE</b>		<b>76) TSP</b>		<b>005 VO - 102</b>	<b>Out</b>	999 ZCD	In
999 T-1	In	001 Curl P-H	Long			Globe 999	In
999 T-2	In	003 Deus	In	<b>109) WIN</b>		<b>82) YAPING</b>	
999 T-3	In	004 Grandy	In	001 Spear	In	139	In
Super 999 T	In	005 Agrit	In	002 Aegis	In	<b>83) YASAKA</b>	
<b>74) TIBHAR</b>		006 Agrit Speed	In	003 Axe	In	001 Pryde	In
001 Sinus	In	007 Rise	In	004 Bow	In	002 Pryde 30	In
002 Grass Flex	Out	008 Rise Speed	In	<b>78) WINNING</b>		003 Xtend LB	Out
003 Grass Ultra	Long	730	In	738 Super	In	004 Cadet	In
004 Primus	In	Actor	In	Friendship 729 Super TSS	In	005 Marvelous	Out
005 Genius	In	Barri - Up	In	King Power Komann	In	006 Pryde 40	In
006 Nianmor	In	Bjorn	In	Komann	In	007 Rakza 7	In
007 Aurus	In	Bolt	In	Komann Super Fit	In	008 Rakza 9	In
008 Grip - S	In	Brio	In	NP - 1	Out	009 Rakza 7 Soft	In
009 Genius +	In	Cesalo	In	NP - 2	Out	010 Rakza 9 Soft	In
010 Mythik	Long	Curl P-1 R	Long	NP - 6	Out	011 Mark V HPS	In
011 Karisma	In	Curl P-2	Out	NP - 8	Out	012 Mark V HPS Soft	In
012 Evolution FX - P	In	Curl P-3	Long	<b>79) XIOM</b>		013 Rakza PO	Out
013 Evolution MX - P	In	Curl P-3α R	Long	001 Sigma	In	Anti Power	In
014 Grip - S Europe	In	Curl P-3α R	Long	002 Zeta	In	A-1-2 A-1	Out
<b>015 IQ</b>	<b>In</b>	Cut Man	In	003 Omega IV	In	A-1-2 A-2	Out
Black Techno	In [B]	D-Top	In	004 Flamenco	In	Cobalt α	Out
Bungee	In	Giant	In	005 Sigma I	In	Cobalt X1	Out
Dang	In	Hiyaku	In	006 Sigma II	In	Cobalt X2	Out
Ellen	Anti	L Catcher	Out	007 Sigma III	In	Extreme Speed	In
Extra Long	Long ‡	Milli Tall II	Out	008 Vega Europe	In	Fusion	In
Grass	Long	Miracle	Out	009 Vega Asia	In	Large Pro	Out
Grass D. TecS	Long	Miracle Super	Out	010 Sigma I Japan Special	In	Mark V	In
Learn Cont	In	Real	In	011 Zava 1	Out	Mark V AD	In
Learn Spin	In	Spectol	Out	012 Vega Pro	In	Mark V GPS	In
Legend	In	Summit	In	013 Vega Elite	In	Mark V M <sup>2</sup>	In
Makss	In	Super Spinpips	Out	014 Tau I	In	Mark V XS	In
Nimbus	In	Tarbit	In	015 Tau II	In	New Era	In
Norm	In	Tation	In	016 Tau III	In	Original	In
Phantom	In	T - Rex	In	017 Omega IV Pro	In	Original	Out
Rapid	In	Triple	In	018 Omega IV Asia	In	Original A-1	Out
Rapid D. TecS	In	Tyranno	Out	019 Omega IV Europe	In	Original A-2	Out
Rapid Soft	In	U Q	In	020 Omega IV Elite	In	Original Extra	In
Rapid X-Press	In	X's	In	<b>023 Vega China VH</b>	<b>In</b>	PB-1	Out
Rookie D. TecS	In	X's F-1	In	<b>024 Vega China VM</b>	<b>In</b>	Phantom 007	Long
Samurai	In	X's F-1 V	In	<b>025 Zava II</b>	<b>Out</b>	Phantom 008	Long
Serie 2000	In	<b>96) TUTTLE</b>		<b>026 Sigma I Pro</b>	<b>In</b>	Phantom 009	Long
Speedy S/L	In	001 Beijing	In	<b>027 Sigma I Europe</b>	<b>In</b>	Phantom 0011 ∞	Long
Speedy Soft	Out	002 World No. 1	In	Guillotine - S	Long	Phantom 0012 ∞	Long
Speedy Soft D. TecS	Out	003 AAA	In	Max - Leverage	In	Top 12	In
Speedy Spin	In	004 LV	In	Omega I	In	Vision	In
Speedy Spin Premium	In	005 888	In	Omega II	In	V Stage	In
Standard	In	006 Spring - 3B	In	Omega III	In	Wallie	In
Storm	In	007 Summer - 3C	Out	Pro - Exclusive	In	Xtend	In
Super Defense 40	In	008 Autumn - 3D	<b>Long</b>	Pro - Z	In	Xtend HS	In
Torpedo	In	009 Winter - 3E	Out	Styx - SP	Out	Xtend PO	Out
Vari Spin	In	<b>119) UNOAMI</b>		True - Innovation	In	Zap	In
Vari Spin D. TecS	In	<b>001 Hanma</b>	<b>In</b>	Yanus - DF	In	<b>84) YASHIMA</b>	
Volcano	In	<b>85) V 3 TEC</b>		<b>80) XIYING</b>		Competition XR3000	In
<b>75) TONI HOLD</b>		001 Spin Attack X3	In	889	Out	Go Sport XR3000	In
<b>"TONI HOLD" is also used as part of a brand name for "JOOLA".</b>		002 Fast Control S1	In	979	Long	Go Sport XX5	In
Anti Topspin New 40	Anti	003 Power Drive Y5	In	999	In	Upper Spin	
		<b>117) VICTAS</b>		<b>81) XUSHAOFA</b>		Competition XR7	In
		001 VO - 101	Out	999	In	XX3	In
		002 VLB - 301	Out	999 LSZ	In	XX-5	In
		003 VS - 401	In	999 Yang	In		
		<b>004 VS - 402</b>	<b>In</b>				



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