

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

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

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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).
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
115) 61 SECOND		95) AKKADI		Revolution C.O.R. ²	In	06) ATEMI	
001 Wind FT	Long	001 V Max	<i>In</i>	Revolution C.O.R Pips	Out	Ace	In
002 Lightning DS	In	002 S Max	<i>In</i>	Revolution Quad	In	Advantage	In
003 Thunder LM	In	003 K Max	<i>In</i>	Rocket	In	Challenge	In
004 Artist	<i>Long</i>	004 Java	<i>In</i>	Start	In	Debut	In
01) 999		005 L3	<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".		006 K3	<i>Out</i>	Upgrade	In	Ippon	In
889	Out	007 Hornet	<i>In</i>	04) ARMSTRONG		Super Champ	In
999 T-2	In	008 999 Pro	<i>In</i>	Aka Mark Max	Out	07) AVALOX / AVX	
999 T-3	In	89) AMSIR		Attack 3 Type L	Out	001 Purot	In
Super 999 T	In	002 Fantasy	In	Attack 3 Type M	Out	002 Sogno	In
105) ADIDAS		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	08) BANCO	
006 R 6	In	010 Shot	Out	Hikari SR7	In	001 Extreme	In
007 Tenzone	In	03) ANDRO		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
015 Sonic	<i>In</i>	008 Hexer +	In	Twister	Long	Furio	In
016 Cruise	<i>In</i>	009 Revo Fire	In	Twister EXT	Out	Futura Energie	In
017 Touch Pro	<i>In</i>	010 Hexer Duro	In	Vector	In	Impact Energie	Out
02) AHUAYI		011 Hexer Pips	Out	W-α Ex x	Out	Perfect	In
001 666	In	012 Hexer Pips +	Out	Warrior	In	Puissance	In
106) AIR		013 Sonnentau	In	05) ARTENGO		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	12) BOMB	
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	20) DAWEI		J.O. Waldner	In
Violent	In	Tackifire-D	In	2008	In	Liga	In
14) BUTTERFLY		Tackifire SP	In	388A	In	Piranja FD TEC	Long
001 Tenergy 05	In	Tackiness-C	In	388A-4	In	Quattro	In
002 Tenergy 25	In	Tackiness-C II	In	388C-1	Out	Quattro A'Conda	In
003 Tenergy 64	In	Tackiness-D	In	388D	Long	Quattro Formula	In
004 Pan Asia - X	In	Tempest	In	388D-1	Long	Slice 40	In
005 Spinart	In	Wakaba	In	Inspirit	In	Solo	In
006 Sriver G3	In	West Will	Out	Saviga	In	Sonex JP	In
007 Sriver G3 FX	In	Yuki	In	Saviga V	Long	Sonex JP Gold	In
008 Roundell	In	15) CARREFOUR		118) DER-		Sonex JP Soft	In
009 Tenergy 05 FX	In	Top Life	In	MATERIALSPEZIALIST		Twingo	In
010 Tenergy 25 FX	In	16) CHAMPION		001 Nightmare	Anti	Twister 40	Out
011 Tenergy 64 FX	In	"CHAMPION" is used as		002 Beast	Anti	Vari-Slick	In
012 Flarestorm II	Out	part of a brand name for		003 Undertaker	Long	Vario	In
013 Addoy	In	"SCHILDKRÖT".		21) DONIC		Vario Cooper S	In
014 Wakaba	In	Apache	In	001 Coppa JO Platin	In	Vario Soft	In
015 Pan Asia	In	Aragorn	In	002 Vario Gold	In	22) DONIER	
016 Yuki	In	Cyclops	In	003 Alligator Def	Long	Max	In
017 Dignics	In	ElySION	In	006 Baracuda	In	Max Attack	In
018 Tenergy 80	In	Hexa	In	007 Coppa Speed	In	SP 2	In
019 Largestorm	Out	Iason	In	008 Baxster LB	Out	SP 4	In
Addoy	In	Khan	In	009 Twister LB	Out	SP 8	In
Biriba	In [R]	Mercury	In	010 Vario Big Slam	In	SP 12	In
Black	In [B]	Next	In	011 Acuda S1	In	Versus	In
Bryce	In	Partizan	In	012 Acuda S2	In	23) DOUBLE FISH	
Bryce FX	In	Quantum	In	013 Acuda S3	In	001 A One	In
Bryce Speed	In	Spartan	In	014 Coppa X1	In	002 FA 213	In
Bryce Speed FX	In	Trident	In	015 Coppa X2	In	003 FC 218	In
Catapult	In	Trojan	In	016 Coppa X3	In	004 FS 232	In
Cermet	In	Tron	In	017 Traction HS	In	005 FL 233	In
Challenger Attack	Out	Ulyssis	In	018 Traction MS	In	006 8338	In
Challenger Large	Out	17) CORNILLEAU		019 Waldner Legend	In	007 8484	In
D'Or	In	001 ★	In	020 Vario Platin	In	008 1615	Long
Driver	In [R]	002 ★★	In	021 Vario Sound	In	009 815	In
Ekrips	In	003 ★★★	In	022 Alligator Anti	Anti	010 820 A	Out
Feint AG	Long	004 ★★★★	In	023 Anti Classic	Anti	011 830	In
Feint Long II	Long	005 ★★★★★	In	024 Acuda S1 Turbo	In	012 Volant	In
Feint Long III	Long	006 ★★★★★★	In	025 Bluefire M1	In	013 Volant 2	In
Feint-Ox	Long	007 Performa 1	In	026 Bluefire M2	In	014 Volant 3	In
Feint-Soft	Long	008 Performa 2	In	027 Bluefire M3	In	815	In
Flarestorm	Out	009 Pilot Advance	In	028 Piranja Anti	Anti	820A	Out
Flextra	In	010 Pilot Power	In	66 GS	In	830	In
Fräulein	In	011 Pilot Style	In	77 GS	In	1615	Long
Large 44 DX	Out	012 Pilot Control	In	★	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	Akkadi Java	In	F.C. 218	In
NS 44	Out	016 Pulse Racer	In	Akkadi K 1	Out	F.L. 233	In
Orthodox-DX,103	Out	017 Pulse Rider	In	Akkadi K 2	Out	F.S. 232	In
Pan Asia	In	018 Target Ultim	In	Akkadi L 1	Long	Volant	In
Pecular	Out	019 Target Sound	In	Akkadi L 2	Long	24) DOUBLE	
Raystorm	Out	020 Target Force	In	Akkadi Taichi	In	HAPPINESS / DHS	
Rein	Out	18) CRACK		Alpha-Slick	In	001 Hurricane	In
Relop Attack	Long	999	In	Baxster	Out	002 Hurricane II	In
Relop Large	Out	Master	In	Blues	In	004 PF 4	In
Sapphira	In	SP	In	Coppa	In	005 Skyline II	In
Selvid	In	Twister	In	Coppa JO	In	006 Skyline III	In
Soft	In	99) CTT		Coppa JO Gold	In	008 Memo	In
Solcion	In	001 National Pride	In	Coppa JO Silver	In	009 Memo II	In
Speedy-P.O.	Out	002 National Strike	In	Coppa Tagora	In	010 Memo III	In
Sprier	In	003 National Pogo	Long	Coppa Tenero	In	013 6512	In
Sriver EL	In	004 National Hero	In	Coppa Tenergy	In	014 PF 4-1	In
Sriver FX	In	19) DARKER		Desto F1	In	015 G 555	In
Sriver G2	In	Provine	In	Desto F2	In	016 G 666	In
Sriver G2 FX	In	Spalbird	In	Desto F3	In	017 G 777	In
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		

ITTF N°) SUPPLIER		ITTF N°) SUPPLIER		ITTF N°) SUPPLIER		ITTF N°) SUPPLIER	
Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type	Brand	Pimple Type
040 PF 4 Nittaku	In	013 Allround Premium Long		Super 729 FX	In	Euro Spintec	In
041 G 888 Nittaku	In	Diamant	Out	Top Point	In	Euro V	In
045 Tin Arc	In	Domination	In	28) GAMBLER		Euro XX	In
046 Tin Arc II	In	Leopard	Out	001 Wraith	In	Nano Attack	Out
047 Tin Arc III	In	Pistol	Out	002 Shadow	In	Nano Force	In
048 Gold Arc	In	Tornado Ultra	Out	003 Reflectoid	In	32) GLOBE	
049 Gold Arc II	In	111) DSP.CUP		4 Kings	In	"GLOBE" is also used as part of a brand name for "XUSHAOFA" .	
050 Gold Arc III	In	001 Superwave.AX	In	Aces	In		001 Mo Wang
054 Hurricane 8	In	107) DUNLOP		Outlaw	In	002 Mo Wang II	Long
055 Hurricane 9	In	001 Blackstorm Nitro	In	Peace Keeper	Out	003 888 II	Out
108 Hurricane III	In	002 Blackstorm Nemesis	In	Six Shooter	In	888	Out
651	Out	003 Venom Control	In	120) GEILI		889	Out
652	Out	004 Venom Power	In	003 Quicken	In	889-2	Out
6512	In	005 Venom Attack	In	112) GENOTE		979	Long
874	Out	006 Venom Spin	In	001 Peak-power	In	999	In
C7	Out	007 4D Ultimate	In	29) GEWO		999T	In
C - 8	Long	008 D 1	In	001 Proton	In	Awala	In
Cloud & Fog II	Long	009 D 2	In	002 Stratos	In	Jinxuanfeng II	In
Cloud & Fog III	Long	010 D 3	In	003 Reflexx	In	Jinxuanfeng III	In
Dipper	In	080 Evolution Max	In	004 Thunderball 2	In	Liqin	In
Dipper II	In	090 Revolution Max	In	005 Return	In	Magicwand	In
Dipper III	In	100 Revolution Max II	In	006 Flexxon	In	Prize	In
Dragonow	Out	27) FRIENDSHIP		Mega Flex Control	In	Taiphooon Gold	In
G555	In	"FRIENDSHIP" is also used as part of a brand name for "KOKUTAKU", "WINNING" .		Nano	In	Tropy	In
G666	In		001 R.I.T.C 729 - 5	In	Target airTEC	In	Trump Card
G666 Nittaku	In	002 R.I.T.C. 755 - 2	Long	Target Energy	In	86) GUO AO	
G777	In	003 Kokutaku New 729-2	In	30) GIANT DRAGON		001 718	In
G888	In	004 R.I.T.C 729 - 08	In	001 Taichi	In	34) GUOQIU	
G888 Nittaku	In	005 729 105	Out	002 Karate	In	001 Gong Fu	In
Hurricane	In	006 729 Battle	In	003 Meteorite	Long	AB	In
Hurricane II	In	007 729 Battle II	In	004 Giant Long	Long	FF	In
Hurricane III	In	008 729 Origin	In	005 Allround	In	HB	In
Magican	In	729 Focus	In	006 Guard	Anti	MG	Long
Magican II	In	729 Focus II	In	007 Submarine	In	MG II	Long
Magican III	In	729 Focus III	In	008 Topenergy	In	SS	Out
Memo	In	729 High Point	In	009 Superspin G3	In	90) HAIFU	
Memo II	In	Kokutaku 563 - 1	Out	010 Superspin G4	In	001 Whale	In
Memo III	In	Kokutaku 729-40 H	In	011 Superveloce V12	In	002 Shark	In
Nittaku C 7	Out	Kokutaku 729-40 S	In	012 Dragon Talon	Long	003 Penguin	Out
Nittaku Hurricane II	In	Kokutaku 755	Long	013 Snowflake	Long	004 Dolphin	Out
Nittaku Hurricane III	In	Kokutaku 802-40	Out	014 Cropcircles	Long	005 Whale III	In
Nittaku Hurricane Pro II	In	Kokutaku R.I.T.C. 729 SP	In	015 Blast	Out	006 Shark III	In
Nittaku Hurricane Pro III	In	R.I.T.C. 563	Out	016 612	Out	007 Pirates 07	In
PF 4	In	R.I.T.C. 563-1	Out	017 Attack Long	Long	008 Pirates 08	In
PF 4-1	In	R.I.T.C. 729	In	018 Commander	In	009 Octopus	Long
Sharping	Out	R.I.T.C. 729-2	In	019 Storm	In	010 O. Orca	In
Sharping Nittaku	Out	R.I.T.C. 729-3	In	020 Future	In	011 Otariidae	In
Skyline	In	R.I.T.C. 729-40H	In	021 Soft Anti	In	97) HALEX	
Skyline II	In	R.I.T.C. 729-40S	In	022 Peril Anti	In	(no other mark)	In
Skyline III	In	R.I.T.C. 729 Cream	In	807	In	XR - 3000	In
Surpass	In	R.I.T.C. 729 Dr. Evil	Out	8086	In	35) HALLMARK	
TNT	In	R.I.T.C. 729 Faster	In	8087	In	002 Podium	In
TNT II	In	R.I.T.C. 729 GeoSpin	In	8088	In	003 Friction Super Special	Long
TNT III	In	R.I.T.C. 729 GeoSpin Tacky	In	8228 A	Out	004 Pheonix	Long
TNT Nittaku	In	R.I.T.C. 729 Higher	In	8228 B	In	005 Friction Special 2	Long
25) DOUBLE POWER		R.I.T.C. 729 SP	In	Extsped	In	006 Green Power	In
No. 3080	In	R.I.T.C. 729 SST	In	Maxspin	In	Frustration	Long
26) DR NEUBAUER		R.I.T.C. 729 SST	In	Superspeed	In	Half Long	Out
001 Special Defence	In	R.I.T.C. 755	Long	Superspin	In	Magic Pips	Out
002 Goliath	In	R.I.T.C. 799	Out	Superspin G2	In	Mirage	Anti
003 Monster Classic	Long	R.I.T.C. 802	Out	31) GKI		Panther	Out
004 Boomerang Classic	Long	R.I.T.C. 802-1	Out	001 Nano Sting	Long	Power Spin	In
005 Gorilla	Anti	R.I.T.C. 802-40	Out	002 Euro Chelonz	In	125) HEATT	
006 Grizzly	Anti	R.I.T.C. 804	Anti	004 ChelonZ HybridZ	In	001 Fair Play	Out
007 Anti Special	Anti	R.I.T.C. 837	Long	005 HybridZ GX	In		
008 A - B - S	Anti	R.I.T.C. 2000 Tack-Speed	In	Euro ★	In		
009 Fighter	Long	Sky-Wing	In	Euro Jumbo	In		
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
104) HUARUITE		008 J9+	In	002 Claw	Long	Booster EV	Out
001 Wujilong	In	999	In	003 Star	In	Booster SA	Out
36) IMPERIAL		999 Élite	In	004 2 Stars	In	Charge	In
001 Factor	In	Anti Super Spin	Anti	005 3 Stars	In	Charge MF	In
002 Spinbreaker	Long	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	51) NB ENEBE	
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
38) JAPTEC		NanoCannon	In	Aggressor	In	Pro	In
Balance	In	Neo Anti	Anti	Allrounder	In	91) NEOTTEC	
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
40) JOOLA		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	94) NEXY	
003 Orca	Long	Spark	In	XA 900	In	001 Demian	In
004 Amy	Anti	SpinSpiel	In	47) LKT		002 Kairos	Out
005 Express X-Plode	In	Varites	In	001 Rapid Speed	In	003 Chaos	Long
006 Express Ultra	Out	42) KETTLER		002 Rapid Power	In	004 Elpis	In
007 Phénix	In	Coach	In	003 Rapid Sound	In	53) NIMATSU	
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	43) KILLERSPIN		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	44) KINSON		48) METEOR		54) NITTAKU	
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	45) KOKUTAKU		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	49) MILKY WAY			
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	004 Moon Speed	In		
Mambo H	In	Tuple 007 Taiwan	In	007 Big Dipper	In		
Octopus	Long	Tuple 110	Out	010 Qing	Long		
Peking	In	Tuple 119	Out	011 Uranus Poly	Out		
Samba	In	Tuple 911	Long	955	Long		
Samba NTec	In	110) KTL		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	102) KTS		Venus	In		
Topspin	In	002 Galaxy	In	50) MIZUNO			
Tramp	In	46) LION		001 Charge SS	In		
41) JUIC		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			006 Opti	In		
007 T+	In			007 Rookie	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
Hammond	In	57) POINT BLANK		Spinmax	In	Chop & Drive	In
Hammond FA	Out	Topgun	In	133) SKITT		Clippa	Out
Hammond Pro α	In	58) PRASIDHA		001 Acconda	In	Cobra 2000	In
Hammond X	In	001 Apple	In	002 Uno	In	Destroyer	Long
Hi-Super Drive	In	002 Titan	In	003 Acconda Power	In	Doer	In
Japan Original	In	003 Long 1615	Long	108) SPINLORD		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	009 Degu	Out	Magna	In
Moristo FG	In	Osaka	In	93) SPOKEY		Mendo	In
Moristo LP	Long	Speed - F	Out	001 Master	In	Mendo Energy	In
Moristo LP One	Long	Tokyo	In	67) STAG		Mendo MP	In
Moristo SP	Out	Twister 8338	In	001 Peter Karlsson	In	Neos	In
Narucross	In	60) REACTOR		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	69) SUNFLEX	
Specialist One	Out	61) RUCANOR		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	121) STARWOOD		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	87) SAN - EI		004 Alfa 3	Long	Mikado	In
Universal- Ribbon	Out	001 Taipan	In	005 Bravo	Out	Mogul	In
55) PALIO		002 Samurai	In	006 Alfa 9	Long	Samurai	In
001 Macro ERA	In	003 Shogun	In	007 Bravo 8	Out	Shogun	In
002 Conqueror	In	62) SANWEI		68) STIGA		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	70) SWORD	
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	008 Paladin II	In
Hadou	In	012 A+	In	011 S	In	010 Long Can	Out
Hidden Dragon	In	113) SAVIGA		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	72) TECNOPRO	
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
56) PEACE		63) SCHILDKRÖT		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	73) THREE NINE	
for "GAMBLER".		Elite	In	Almana Sound Synergy Tech	In	999 T-1	In
001 LGO 44	Out	Energy	In	Carbo	In	127) THREE SWORD	
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
74) TIBHAR		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	006 V - 01	In	999 ZCD	In
003 Grass Ultra	Long	Barri - Up	In	129) VTEC		Globe 999	In
004 Primus	In	Bjorn	In	001 V I	In	82) YAPING	
005 Genius	In	Bolt	In	124) WILSON		139	In
006 Nianmor	In	Brio	In	003 Hammer 3.0	In	83) YASAKA	
007 Aurus	In	Cesalo	In	004 Reaction 5.0	In	001 Pryde	In
008 Grip - S	In	Curl P-1 R	Long	109) WIN		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	78) WINNING		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
017 Evolution EL - P	In	Milli Tall II	Out	Komann	In	011 Mark V HPS	In
018 Evolution MX - S	In	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	79) XIOM		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	126) TTATOZ		016 Tau III	In	Mark V GPS	In
Rapid D. TecS	In	001 TTATOZ Spin	In	017 Omega IV Pro	In	Mark V M ²	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	96) TUTTLE		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	028 Omega II	In	Phantom 007	Long
Speedy Spin Premium	In	003 AAA	In	029 Omega III	In	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	033 Vega Japan	In	Top 12	In
Vari Spin	In	008 Autumn - 3D	Long	034 Sigma II Pro	In	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
75) TONI HOLD		119) UNOAMI		Omega III	In	Xtend	In
"TONI HOLD" is also used as part of a brand name for "JOOLA".		85) V 3 TEC		True - Innovation	In	Xtend HS	In
Anti Topspin New 40		001 Hanma	In	Yanus - DF	In	Xtend PO	Out
76) TSP		002 Fast Control S1	In	80) XIYING		Zap	In
001 Curl P-H	Long	003 Power Drive Y5	In	001 999 Sharing Limbo	In	84) YASHIMA	
003 Deus	In	123) VALOR		889	Out	Competition XR3000	In
004 Grandy	In	001 Premier	Out	979	Long	Go Sport XR3000	In
005 Agrit	In	117) VICTAS		999	In	Go Sport XX5	In
006 Agrit Speed	In	001 VO - 101	Out	81) XUSHAOFA		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

