

**LARC (LIST AUTHORISED RACKET COVERINGS) N°31 1 JULY 2010 – 31 DECEMBER 2010**  
 Also available on the Internet: [www.ittf.com](http://www.ittf.com) (Home, Equipment, Racket Coverings)

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The new rubbers entering List 31 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>01) 999</b>		004 Blowfish	Out	New Spirit Hi	In	Mo	Long	
"999" is also used as part of a brand name for "CRACK", "GLOBE", "JUIC", "THREE NINE", "XIYING" and "XUSHAOFA".		005 Blowfish +	Out	Red Mark	In	Pronte	In	
		006 Chaos	Long	Red Mark Type 1-3	Out	Purot	In	
		007 Hexer	In	Red Mark Type 1-4	Out	Sogno	In	
		008 Hexer +	In	Red Mark Type 1-5	Out	Sterco	In	
		009 Revo Fire	In	Rosin	Out			
<b>889</b>	<b>Out</b>	<b>010 Hexer Duro</b>	<b>In</b>	Twister	Long	<b>08) BANCO</b>		
<b>105) ADIDAS</b>		Backside	In	Twister EXT	Out	001 Extreme	In	
001 Repulse 500	In	Classic	Out	Vector	In	002 Dynamic	In	
002 Repulse 700	In	EX – 8	In	W-α Ex x	Out	<b>003 Ouragan</b>	<b>In</b>	
<b>003 P 3</b>	<b>In</b>	Focus	In	Warrior	In	Allstar	In	
<b>004 R 4</b>	<b>In</b>	Impuls	In			Diva Energie	In	
<b>005 P 5</b>	<b>In</b>	Impuls Speed	In	<b>05) ARTENGO</b>		Dreamfire	In	
<b>006 R 6</b>	<b>In</b>	Logo	Out	001 930 A	In	Excellence	In	
<b>02) AHUAYI</b>		LP – 22	Long	003 920 S	In	Feeling	In	
666	In	Plasma	In	004 950 S	In	Furio	In	
<b>106) AIR</b>		Revolution	In	005 900 C	In	Futura Energie	In	
"AIR" is also used as part of a brand name for "JOOLA".		Revolution C.O.R.	In	006 910 A	Out	Impact Energie	Out	
		Revolution C.O.R. <sup>2</sup>	In	<b>007 851 O</b>	<b>In</b>	Perfect	In	
		Revolution C.O.R Pips	Out	<b>008 861 O</b>	<b>In</b>	Puissance	In	
		Revolution Fire	In	<b>009 881 O</b>	<b>In</b>	Start ★★	In	
		Revolution Quad	In	700 O	In	Start ★★★	In	
001 Scirocco	In	Rocket	In	702 O	In	Variation Energy	In	
002 Panamera	Out	Start	In	850 O	In			
003 Upupupup	Long	Trophy	In	860 O	In	<b>10) BEST</b>		
<b>004 Classique</b>	<b>Out</b>	Upgrade	In	880 O	In	"BEST" is also used as part of a brand name for "NITTAKU".		
<b>005 Illumina</b>	<b>In</b>	Zenith-G	In	900 A	In		★ ★	In
<b>89) AMSIR</b>		<b>04) ARMSTRONG</b>		900 C	In		★ ★ ★	In
002 Fantasy	In	Aka Mark Max	Out	900 S	In			
003 Flutter	Long	Attack 3 Type L	Out	930 S	In		<b>12) BOMB</b>	
005 Glory	In	Attack 3 Type M	Out	940 S	In	Apex	In	
006 Luxury	In	Attack 8 Type L	Out			Bombard	In	
007 Sensation	Long	Attack 8 Type M	Out	<b>06) ATEMI</b>		Hammer	Out	
008 Surprise	Long	Attack 8 Type M EXX	Out	Ace	In	King Roc	Out	
009 Victory	In	Conqueror	In	Advantage	In	Mopha	In	
010 Shot	Out	Conqueror SS	In	Challenge	In	Raider	In	
		Hikari Drive	In	Debut	In	Rex	In	
		Hikari SR7	In	Fight Power	In	Talent	Long	
<b>03) ANDRO</b>		Long Pimple	Out	Ippon	In	Tensa	In	
001 Roxon	In	New Anti Spin	Anti	Super Champ	In	Ufo	In	
002 Roxon 500 Pro	In	New Chopper	In	<b>07) AVALOX / AVX</b>		Violent	In	
003 Roxon 330	In			Athlos	In			
				Horme	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>14) BUTTERFLY</b>		Tackiness-D	In	002 National Strike	In	Piranja FD TEC	Long
001 Tenergy 05	In	Tempest	In	003 National Pogo	Long	Quattro	In
002 Tenergy 25	In	Tenergy	In	004 National Hero	In	Quattro A'Conda	In
003 Tenergy 64	In	Wakaba	In	<b>19) DARKER</b>		Quattro Formula	In
004 Pan Asia - X	In	West Will	Out	Provine	In	Slice 40	In
005 Spinart	In	Yuki	In	Spalbird	In	Solo	In
006 Sriver G3	In	<b>15) CARREFOUR</b>		Vlon-S	In	Sonex JP	In
007 Sriver G3 FX	In	Top Life	In	<b>20) DAWEI</b>		Sonex JP Gold	In
008 Roundell	In	<b>16) CHAMPION</b>		2008	In	Sonex JP Soft	In
009 Tenergy 05 FX	In	"CHAMPION" is used as		388A	In	Supersonic	In
010 Tenergy 25 FX	In	part of a brand name for		388A-4	In	Twingo	In
011 Tenergy 64 FX	In	"SCHILDKRÖT".		388C-1	Out	Twister 40	Out
012 Flarestorm II	Out	Apache	In	388D	Long	Vari-Slick	In
Addoy	In	Aragorn	In	388 D-1	Long	Vario	In
Biriba	In [R]	Cyclops	In	Inspirit	In	Vario Cooper S	In
Black	In [B]	Elysiion	In	Saviga	In	Vario Soft	In
Bryce	In	Flash	Long	Saviga V	Long	<b>22) DONIER</b>	
Bryce FX	In	Hexa	In	<b>21) DONIC</b>		Black Spin	In
Bryce Speed	In	Hyperion	In	001 Coppa JO Platin	In	Max	In
Bryce Speed FX	In	Iason	In	002 Vario Gold	In	Max Attack	In
Catapult	In	Ionix	Out	003 Alligator Def	Long	SP 2	In
Cermet	In	Khan	In	006 Baracuda	In	SP 4	In
Challenger Attack	Out	Mercury	In	007 Coppa Speed	In	SP 8	In
Challenger Large	Out	Next	In	008 Baxster LB	Out	SP 12	In
D'Or	In	Partizan	In	009 Twister LB	Out	Ultimate Fighting	In
Driver	In [R]	Quantum	In	010 Vario Big Slam	In	Versus	In
Ekrips	In	Spartan	In	011 Acuda S1	In	<b>23) DOUBLE FISH</b>	
Feint AG	Long	Tiger I	In	012 Acuda S2	In	001 A One	In
Feint Long II	Long	Trident	In	013 Acuda S3	In	<b>002 FA 213</b>	<b>In</b>
Feint Long III	Long	Trojan	In	<b>014 Coppa X1</b>	<b>In</b>	<b>003 FC 218</b>	<b>In</b>
Feint-Ox	Long	Tron	In	<b>015 Coppa X2</b>	<b>In</b>	<b>004 FS 232</b>	<b>In</b>
Feint-Soft	Long	Ulyssis	In	<b>016 Coppa X3</b>	<b>In</b>	<b>005 FL 233</b>	<b>In</b>
Flarestorm	Out	Zinex	In	66 GS	In	<b>006 8338</b>	<b>In</b>
Flextra	In	<b>17) CORNILLEAU</b>		77 GS	In	<b>007 8484</b>	<b>In</b>
Fräulein	In	001 ★	In	★	In	<b>008 1615</b>	<b>Long</b>
Large 44 DX	Out	002 ★★	In	★★	In	<b>009 815</b>	<b>In</b>
Lemuria	In	003 ★★★	In	★★★	In	<b>010 820 A</b>	<b>Out</b>
Magnitude	Long	004 ★★★★	In	Akkadi Java	In	<b>011 830</b>	<b>In</b>
Morim	In	005 ★★★★★	In	Akkadi K 1	Out	<b>012 Volant</b>	<b>In</b>
NS 44	Out	006 ★★★★★★	In	Akkadi K 2	Out	<b>013 Volant 2</b>	<b>In</b>
Orthodox-DX,103	Out	007 Performa 1	In	Akkadi L 1	Long	<b>014 Volant 3</b>	<b>In</b>
Pan Asia	In	008 Performa 2	In	Akkadi L 2	Long	815	In
Pecular	Out	009 Pilot Advance	In	Akkadi Taichi	In	820A	Out
Raystorm	Out	010 Pilot Power	In	Alpha-Slick	In	830	In
Rein	Out	011 Pilot Style	In	Anti 40	Anti	1615	Long
Relop Attack	Long	012 Pilot Control	In	Baxster	Out	8338	In
Relop Large	Out	<b>013 Drive Style</b>	<b>In</b>	Blues	In	8484	In
Sapphira	In	<b>014 Drive Control</b>	<b>In</b>	Blues F5	In	F.A. 213	In
Selvid	In	<b>015 Start Up'</b>	<b>In</b>	Coppa	In	F.C. 218	In
Soft	In	★	In	Coppa JO	In	F.L. 233	In
Solcion	In	★★	In	Coppa JO Gold	In	F.S. 232	In
Speedy-P.O.	Out	★★★	In	Coppa JO Silver	In	Volant	In
Sprier	In	★★★★	In	Coppa Tagora	In	<b>24) DOUBLE</b>	
Sriver EL	In	★★★★★	In	Coppa Tenero	In	<b>HAPPINESS / DHS</b>	
Sriver FX	In	★★★★★★	In	Desto F1	In	<b>001 Hurricane</b>	<b>In</b>
Sriver G2	In	★★★★★★★	In	Desto F1-S	In	002 Hurricane II	In
Sriver G2 FX	In	★★★★★★★	In	Desto F2	In	<b>004 PF 4</b>	<b>In</b>
Sriver L	In	★★★★★★★	In	Desto F3	In	005 Skyline II	In
Sriver S	In	★★★★★★★	In	Duo	In	006 Skyline III	In
Stayer	In	<b>18) CRACK</b>		Easy-Slick	In	008 Memo	In
Super Anti	Anti	999	In	Gallardo Power Sound	In	<b>009 Memo II</b>	<b>In</b>
Super-Sriver	In	Master	In	Gallardo Sound	In	<b>010 Memo III</b>	<b>In</b>
Tackifire-C	In	SP	In	Gallardo Speed	In	<b>013 6512</b>	<b>In</b>
Tackifire-D	In	Twister	In	J.O. Waldner	In	<b>014 PF 4-1</b>	<b>In</b>
Tackifire SP	In	<b>99) CTT</b>		Liga	In		
Tackiness-C	In	001 National Pride	In				
Tackiness-C II	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>018 G 888</b>	<i>In</i>	006 Grizzly	Anti	Top Point	In	889	Out
<b>027 C 8</b>	<i>Long</i>	007 Anti Special	Anti	<b>28) GAMBLER</b>		889-2	Out
<b>028 Cloud &amp; Fog II</b>	<i>Long</i>	008 A - B - S	Anti	001 Wraith	In	979	Long
<b>040 PF 4 Nittaku</b>	<i>In</i>	009 Fighter	Long	002 Shadow	In	999	In
<b>041 G 888 Nittaku</b>	<i>In</i>	Diamant	Out	003 Reflectoid	In	999T	In
<b>045 Tin Arc</b>	<i>In</i>	Domination	In	4 Kings	In	Awala	In
<b>046 Tin Arc II</b>	<i>In</i>	Leopard	Out	Aces	In	Jinxuanfeng II	In
<b>047 Tin Arc III</b>	<i>In</i>	Pistol	Out	Outlaw	In	Jinxuanfeng III	In
<b>048 Gold Arc</b>	<i>In</i>	Tornado Ultra	Out	Peace Keeper	Out	Liqin	In
<b>049 Gold Arc II</b>	<i>In</i>	<b>111) DSP.CUP</b>		Six Shooter	In	Magicwand	In
<b>050 Gold Arc III</b>	<i>In</i>	<b>001 Superwave.AX</b>	<i>In</i>	<b>112) GENOTE</b>		Prize	In
108 Hurricane III	In	<b>107) DUNLOP</b>		<b>001 Peak-power</b>	<i>In</i>	Taiphooon Gold	In
651	Out	<b>001 Blackstorm Nitro</b>	<i>In</i>	<b>29) GEWO</b>		Tropy	In
652	Out	<b>002 Blackstorm Nemesis</b>	<i>In</i>	001 Proton	In	Trump Card	In
6512	In	<b>003 Venom Control</b>	<i>In</i>	002 Stratos	In	<b>33) GOLD WAY</b>	
874	Out	<b>004 Venom Power</b>	<i>In</i>	<b>003 Reflex</b>	<i>In</i>	916	In
C7	Out	<b>005 Venom Attack</b>	<i>In</i>	<b>004 Thunderball 2</b>	<i>In</i>	968	In
C - 8	Long	<b>006 Venom Spin</b>	<i>In</i>	Maxima	In	<b>34) GUOQIU</b>	
Cloud & Fog II	Long	<b>007 4D Ultimate</b>	<i>In</i>	Mega Flex Control	In	001 Gong Fu	In
Cloud & Fog III	Long	<b>27) FRIENDSHIP</b>		Nano	In	AB	In
Dipper	In	<b>"FRIENDSHIP"</b> is also used		Target airTEC	In	FF	In
Dipper II	In	as part of a brand name for		Target Energy	In	HB	In
Dipper III	In	<b>"KOKUTAKU", "WINNING".</b>		Thunderball	In	MG	Long
Dragonow	Out	001 R.I.T.C 729 - 5	In	Viper cell TEC	In	MG II	Long
G555	In	002 R.I.T.C. 755 - 2	Long	<b>30) GIANT DRAGON</b>		SS	Out
G666	In	003 Kokutaku New 729 - 2	In	001 Taichi	In	<b>90) HAIFU</b>	
G666 Nittaku	In	004 R.I.T.C 729 - 08	In	002 Karate	In	001 Whale	In
G777	In	729 Focus	In	003 Meteorite	Long	002 Shark	In
G888	In	729 Focus II	In	004 Giant Long	Long	003 Penguin	Out
G888 Nittaku	In	729 Focus III	In	<b>005 Allround</b>	<i>In</i>	004 Dolphin	Out
Hurricane	In	729 High Point	In	<b>006 Guard</b>	<i>In</i>	005 Whale III	In
Hurricane II	In	Kokutaku 563 - 1	Out	<b>007 Submarine</b>	<i>In</i>	006 Shark III	In
Hurricane III	In	Kokutaku 729-40 H	In	<b>008 Topenergy</b>	<i>In</i>	007 Pirates 07	In
Magican	In	Kokutaku 729-40 S	In	<b>009 Superspin G3</b>	<i>In</i>	008 Pirates 08	In
Magican II	In	Kokutaku 755	Long	807	In	<b>97) HALEX</b>	
Magican III	In	Kokutaku 802-40	Out	8086	In	(no other mark)	In
Memo	In	Kokutaku R.I.T.C. 729 SP	In	8087	In	XR - 3000	In
Memo II	In	R.I.T.C. 563	Out	8088	In	<b>35) HALLMARK</b>	
Memo III	In	R.I.T.C. 563-1	Out	8228 A	Out	002 Podium	In
Nittaku C 7	Out	R.I.T.C. 729	In	8228 B	In	003 Friction Super Special	Long
Nittaku Hurricane II	In	R.I.T.C. 729-2	In	Extsped	In	004 Pheonix	Long
Nittaku Hurricane III	In	R.I.T.C. 729-3	In	Maxspin	In	005 Friction Special 2	Long
Nittaku Hurricane Pro II	In	R.I.T.C. 729-40H	In	Superspeed	In	006 Green Power	In
Nittaku Hurricane Pro III	In	R.I.T.C. 729-40S	In	Superspin	In	Frustration	Long
PF 4	In	R.I.T.C. 729 Cream	In	Superspin G2	In	Half Long	Out
PF 4-1	In	R.I.T.C. 729 Dr. Evil	Out	<b>31) GKI</b>		Magic Pips	Out
PF 4 Nittaku	In	R.I.T.C. 729 Faster	In	001 Nano Sting	Long	Mirage	Anti
Sharping	Out	R.I.T.C. 729 GeoSpin	In	002 Euro Chelonz	In	Panther	Out
Sharping Nittaku	Out	R.I.T.C. 729 GeoSpin Tacky	In	004 ChelonZ HybridZ	In	Power Spin	In
Skyline	In	R.I.T.C. 729 Higher	In	Euro ★	In	<b>104) HUARUITE</b>	
Skyline II	In	R.I.T.C. 729 SP	In	Euro Jumbo	In	001 Wujilong	In
Skyline III	In	R.I.T.C. 729 SST	In	Euro Spintec	In	<b>36) IMPERIAL</b>	
Surpass	In	R.I.T.C. 755	Long	Euro V	In	<b>001 Factor</b>	<i>In</i>
TNT	In	R.I.T.C. 799	Out	Euro XX	In	China	In
TNT II	In	R.I.T.C. 802	Out	Nano Attack	Out	Crash	In
TNT III	In	R.I.T.C. 802-1	Out	Nano Force	In	Cyber Tacky	In
TNT Nittaku	In	R.I.T.C. 802-40	Out	<b>32) GLOBE</b>		Force	In
<b>25) DOUBLE POWER</b>		R.I.T.C. 804	Anti	<b>"GLOBE"</b> is also used		Rubber 11 20 one	In
No. 3080	In	R.I.T.C. 837	Long	as part of a brand name		Rubber 45 20 one	In
<b>26) DR NEUBAUER</b>		R.I.T.C. 2000 Tack-Speed	In	for <b>"XUSHAOFA"</b> .		Super Strike	In
001 Special Defence	In	Sky-Wing	In	888	Out	Swift	In
002 Goliath	In	Super 729 FX	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>38) JAPTEC</b>		<b>41) JUIC</b>		<b>110) KTL</b>		Jupiter In	
Balance	In	001 Aircondle	In	<b>001 Black Power</b>	In [B]	Mars	In
DL - 01	Long	004 Nanospin	In	<b>002 Red Diamond</b>	In [R]	Mercury	In
Experience	In	005 Patisuma III	Out	<b>102) KTS KOREA</b>		Neptune	Long
Performance	In	<b>006 Nano Spin II</b>	In	001 Mach	In	Pluto	Out
Precision	In	999	In	<b>114) K-P</b>		Saturn	In
<b>40) JOOLA</b>		999 Elite	In	<b>001 Dynamik 600</b>	In	Venus	In
001 Express	In	Anti Super Spin	Anti	<b>002 Dream 900</b>	In	<b>50) MIZUNO</b>	
002 Shark	Long	Couga	In [B]	<b>003 Struggle 800</b>	Out	001 Charge SS	In
003 Orca	Long	Dany III	In	<b>46) LION</b>		002 Plaudit MF	In
004 Amy	Anti	Dany V	In	001 Roar	In	<b>003 Quasar</b>	In
005 Express X-Plode	In	DrivaSmash	In	002 Claw	Long	Booster EV	Out
006 Express Ultra	Out	DrivaSmash SV	In	003 Star	In	Booster SA	Out
007 Phénix	In	Driva Smash Ultima	In	004 2 Stars	In	Charge	In
<b>008 X-Plode</b>	In	Leggy R	Long	005 3 Stars	In	Charge MF	In
<b>009 Brave</b>	In	Masterspin	Out	006 Super 3	In	ChargePro	In
4 all	In	Masterspin II	Out	007 5 Stars	In	HyperZone	In
4 You	In	NanoCannon	In	008 Aggressor	In	Plaudit	In
air !	In	Neo Anti	Anti	009 Allrounder	In	Polaris	Out
Amigo	Out ‡	Offense	Out	010 Elite Control	In	Unison	In
Anti Topspin Toni Hold	Anti	Patisuma	Out	2 Stars	In	<b>51) NB ENEBE</b>	
Antispin Soft	Anti	Patisuma II	Out	3 Stars	In	★	In
Badman	Long	PipsAce	Out ‡	5 Stars	In	★★	In
Basic	In	Scramble	In	Aggressor	In	★★★	In
Cava	In	Scramble 21	In	Allrounder	In	Pro	In
Compass	In	Shenron	In	Elite Control	In	<b>91) NEOTTEC</b>	
Dingo	In	Spark	In	International	In	001 Hinomi	In
Drum	In	SpinSpiel	In	Scirocco	In	002 Iken	In
EasySpin	In	Varites	In	SS 800	In	003 Katana	In
Echo	In	<b>42) KETTLER</b>		Star	In	004 Tokkan	Long
Energy	In	Coach	In	Super Attack	In	<b>005 Maxima</b>	In
Energy X-tra	In	Master	In	Super 3	In	<b>94) NEXY</b>	
Fiesta	In	Professional	In	Typhoon	In	001 Demian	In
GX 75	In	<b>43) KILLERSPIN</b>		XA 900	In	002 Kairos	Out
Mambo	In	001 Blast	In	<b>47) LKT</b>		003 Chaos	Long
Mambo C	In	002 Fortissimo	In	001 Rapid Speed	In	<b>53) NIMATSU</b>	
Mambo GP	In	003 GT 2	In	002 Rapid Power	In	001 Chimera	In
Mambo H	In	Nitrx-4Z	In	003 Rapid Sound	In	002 Zerberus	Long
Moskito	In	<b>44) KINSON</b>		004 Rapid Soft	In	Hurricane	In
Octopus	Long	Perfect	In	005 Black Power	In[B]	Pegasus	In
orbit ICU	In	Super Spin	In	006 Red Diamond	In[R]	Pegasus	In
Peking	In	<b>45) KOKUTAKU</b>		Pro XP	In	Scorpion	In
Poker	Long ‡	"KOKUTAKU" is also used as part of a brand name for "FRIENDSHIP".		Pro XT	In	Spinfighter ★★★	In
Samba	In			Recoil	In	XX5	In
Samba Ntec	In	Big Star	In	Torrent E.G.S.	In	<b>54) NITTAKU</b>	
Smart	In	BLütenkirsche 868	In	<b>48) METEOR</b>		"NITTAKU" is also used as part of some brand names for "DOUBLE HAPPINESS/DHS".	
Smash	In	BLütenkirsche 868 Tokyo	In	575	Out		
Snabb	Out	Clitter	Out	71-1	Long		
Spring Thunder	In	Friendship 729 Super	In	71-2	Out		
Staccato	Out	Spec-V	In	813	In		
Tango	In	Spindle	In	835	In		
Tango Extrem	In	Synchron	In	845	Out		
Tango Metallic	In	Tuple 007	In	8512	Long		
Tango Titan 3.0	In	Tuple 007 Taiwan	In	9012	Long		
Tango Ultra	Out	Tuple 110	Out	<b>49) MILKY WAY</b>		001 Moristo RS	In
Teacher	In	Tuple 119	Out	001 Apollo	In	002 Renanos Bright	In
Terminator	In	Tuple 911	Long	<b>002 Sun</b>	In	003 Specialist Hibiki	Out
Thema	In			<b>003 Moon</b>	In	004 Narucross 44	Out
Topspin	In			955	Long	005 Annsort	In
Tramp	In			9000	In	006 Hammond FA Speed	Out
				Earth	In	007 Hammond Pro β	In
						008 Renanos BS	In
						009 Renanos Hold	In
						010 Nodias Dr	In
						011 Narucross GS	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>012 Learner</b>	<b>In</b>	HK1997	In	<b>003 Shogun</b>	<b>In</b>	Almana Sound Synergy Tech	In
<b>015 Fastarc G-1</b>	<b>In</b>	Macro	In	<b>62) SANWEI</b>		Carbo	In
<b>016 Fastarc S-1</b>	<b>In</b>	Macro Pro	In	001 Target	In	Carbo MC	In
Arufeel	In	Maximo	In	002 Rings Link	In	Carbo Sound	In
Best Anti	Anti	Wildish Dragon	In	003 Gears	In	China Extreme	In
Express	Out	WP1013	Out	005 Ghost	Out	Chop & Drive	In
Graffiti	In	<b>56) PEACE</b>		006 Code	Long	Clippa	Out
Hammond	In	"PEACE" is also used		007 T88 Taiji	In	Cobra 2000	In
Hammond FA	Out	as part of a brand name		008 T88	In	Destroyer	Long
Hammond Pro α	In	for "GAMBLER".		009 T88 - I	In	Doer	In
Hammond X	In	001 LGO 44	Out	010 T88 - II	In	Drive	In
Hi-Super Drive	In	C'oma	In	011 T88 - III	In	Energy Absorber	Anti
Japan Original	In	G'enstar	In	<b>113) SAVIGA</b>		Evo	In
J.O. Pen	In	Leo	In	"SAVIGA" is also used		Future	In
J.O. Shake	In	Nova	In	as part of a brand name		Innova	In
J.O. Waldner	In	Vela	In	for "DAWEI".		Innova Premium	In
J.O. Waldner S.C.	In	<b>57) POINT BLANK</b>		<b>001 Turbo</b>	<b>In</b>	Innova Ultra Light	In
Learner	In	Illusion	In	<b>002 Fantasy</b>	<b>Out</b>	Innova Ultra Light	In
Magic Carbon	In	One Star	In	<b>63) SCHILDKRÖT</b>		Synergy Tech	In
Micro	In	Star	In	Avantgarde ★★★	In	Magic	In
Moristo 2000	In	Super Star	In	Champion ★★★★★	In	Magna	In
Moristo 44	Out	Three Star	In	Elite	In	Mendo	In
Moristo DF	In	Topgun	In	Energy	In	Mendo Energy	In
Moristo FG	In	Top Star	In	Jade	In	Mendo MP	In
Moristo LP	Long	Two Star	In	Prestige	In	Neos	In
Moristo LP One	Long	<b>58) PRASIDHA</b>		Spinmax	In	Neos Sound	In
Moristo SP	Out	001 Apple	In	<b>108) SPINLORD</b>		Neos Sound Synergy Tech	In
Narucross	In	820	Out	<b>001 Marder</b>	<b>In</b>	Neos Synergy Tech	In
Narucross EX	In	830	In	<b>002 Tiger</b>	<b>In</b>	Neos Tacky	In
Nodias	In	838	In	<b>003 Adler</b>	<b>In</b>	Optimum MP	In
Pimplemini	Out	1615	Long	<b>93) SPOKEY</b>		Premium	In
Pimplemini One	Out	Action	Out	001 Master	In	Radical	Out
Refoma	In	Frankfurt	In	<b>66) SPORTCRAFT</b>		Royal	Out
Renanos	In	Hamburg	In	★★★★	In	Stream	In
Screw	Long	Long A	Long	★★★★★	In	Triumph	In
Screw One	Long	Osaka	In	<b>67) STAG</b>		<b>69) SUNFLEX</b>	
Specialist Chikara	Out	Speed - F	Out	001 Peter Karlsson	In	001 <i>Expert</i> Xonox	In
Specialist One	Out	Tokyo	In	002 Peter Karlsson Training	In	002 <i>Expert</i> Zeno	In
Specialist Soft	Out	Twister 8338	In	003 High Tension Explosive	In	AF 50	In
Specialist Soft HS	Out	<b>60) REACTOR</b>		All Round	In	BZ 60	In
Spiral	In	Boaz	In	Ninja Attack	In	Mandarin	In
Super Large	Out	Ckylin	In	Ninja Fire	In	Mikado	In
Tracer	In	Corbor	In	Power Drive	In	Mogul	In
Universal- Ribbon	In	Novar	In	Thunder Spin	In	Samurai	In
Universal- Ribbon	Out	Sonix	In	<b>68) STIGA</b>		Shogun	In
<b>55) PALIO</b>		Thunder	In	001 Boost TP	In	Sun-Control	In
001 Macro ERA	In	Tornado	In	002 Boost TC	In	Sun-Power	In
002 Conqueror	In	<b>61) RUCANOR</b>		003 Boost TS	In	Taipan	In
003 Flying Dragon	Out	<b>001 Competition</b>	<b>In</b>	004 Boost TX	In	<b>70) SWORD</b>	
004 Power Dragon	Out	Competition	In	005 JMS EVO 1	In	001 Break	In
005 Thor's	In	Mogi Ura	In	<b>006 Magna TC II</b>	<b>In</b>	002 Paladin	In
<b>006 Blit'z</b>	<b>In</b>	Orient	In	<b>007 Magna TS II</b>	<b>In</b>	003 Scylla	Long
AK47	In	TTB-150	In	<b>008 Calibra LT</b>	<b>In</b>	2000-F	In
Amigo	In	<b>87) SAN - EI</b>		<b>009 Calibra LT Sound</b>	<b>In</b>	Hero	In
CJ8000	In	<b>001 Taipan</b>	<b>In</b>	Almana	In	King	In
CK531A	Long	<b>002 Samurai</b>	<b>In</b>	Almana Sound	In	RG	In
Drunken Dragon	In					<b>88) TALENT</b>	
Emperor Dragon	In					"TALENT" is also	
Hadou	In					used as part of a brand	
Hidden Dragon	In					name for "BOMB".	
						001 Spider King	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>72) TECNOPRO</b>		<b>75) TONI HOLD</b>		<b>109) WIN</b>		<b>83) YASAKA</b>	
Competition	In	"TONI HOLD" is also used as part of a brand name for "JOOLA".	Anti Topspin New 40 Anti	<b>001 Spear</b>	<i>In</i>	001 Pryde	In
Expert	In			<b>002 Aegis</b>	<i>In</i>	002 Pryde 30	In
Supercom	In	<b>003 Deus</b>	In	<b>003 Axe</b>	<i>In</i>	003 Xtend LB	Out
Tournament	In	<b>004 Grandy</b>	In	<b>004 Bow</b>	<i>In</i>	004 Cadet	In
<b>73) THREE NINE</b>		<b>76) TSP</b>		<b>78) WINNING</b>		005 Marvelous	Out
999 T-1	In	001 Curl P-H	Long	738 Super	In	006 Pryde 40	In
999 T-2	In	003 Deus	In	Friendship 729 Super TSS	In	007 Rakza 7	In
999 T-3	In	004 Grandy	In	King Power Komann	In	<b>008 Rakza 9</b>	<i>In</i>
Super 999 T	In	730	In	Komann	In	<b>009 Rakza 7 Soft</b>	<i>In</i>
<b>74) TIBHAR</b>		Actor	In	Komann Super Fit	In	<b>010 Rakza 9 Soft</b>	<i>In</i>
001 Sinus	In	Barri - Up	In	NP - 1	Out	<b>011 Mark V HPS</b>	<i>In</i>
002 Grass Flex	Out	Bjorn	In	NP - 2	Out	<b>012 Mark V HPS Soft</b>	<i>In</i>
003 Grass Ultra	Long	Bolt	In	NP - 6	Out	<b>013 Rakza PO</b>	<i>Out</i>
004 Primus	In	Brio	In	NP - 8	Out	Anti Power	In
005 Genius	In	Cesalo	In	<b>79) XIOM</b>		A-1-2 A-1	Out
006 Nianmor	In	Curl P-1 R	Long	001 Sigma	In	A-1-2 A-2	Out
007 Aurus	In	Curl P-2	Out	002 Zeta	In	Cobalt α	Out
008 Grip - S	In	Curl P-3	Long	003 Omega IV	In	Cobalt X1	Out
009 Genius +	In	Curl P-3α R	Long	004 Flamenco	In	Cobalt X2	Out
010 Mythik	Long	Cut Man	In	005 Sigma I	In	Extreme Speed	In
011 Karisma	In	D-Top	In	006 Sigma II	In	Fusion	In
Black Techno	In [B]	Giant	In	007 Sigma III	In	Large Pro	Out
Bungee	In	Hiyaku	In	008 Vega Europe	In	Mark V	In
Dang	In	L Catcher	Out	009 Vega Asia	In	Mark V AD	In
Ellen	Anti	Milli Tall II	Out	010 Sigma I Japan Special	In	Mark V GPS	In
Extra Long	Long ≠	Miracle	Out	011 Zava 1	Out	Mark V M <sup>2</sup>	In
Grass	Long	Miracle Super	Out	012 Vega Pro	In	Mark V XS	In
Grass D. TecS	Long	Real	In	<b>013 Vega Elite</b>	<i>In</i>	New Era	In
Learn Cont	In	Spectol	Out	Guillotine - S	Long	Original	In
Learn Spin	In	Summit	In	Max - Leverage	In	Original	Out
Legend	In	Super Spinpips	Out	Omega I	In	Original A-1	Out
Makss	In	Tarbit	In	Omega II	In	Original A-2	Out
Nimbus	In	Tation	In	Omega III	In	Original Extra	In
Norm	In	T - Rex	In	Pro - Exclusive	In	PB-1	Out
Phantom	In	Triple	In	Pro - Z	In	Phantom 007	Long
Rapid	In	Tyranno	Out	Styx - SP	Out	Phantom 008	Long
Rapid D. TecS	In	U Q	In	True - Innovation	In	Phantom 009	Long
Rapid Soft	In	X's	In	Yanus - DF	In	Phantom 0011 ∞	Long
Rapid X-Press	In	X's F-1	In	<b>80) XIYING</b>		Phantom 0012 ∞	Long
Rookie D. TecS	In	X's F-1 V	In	889	Out	Top 12	In
Samurai	In	<b>77) TT MASTER</b>		979	Long	Vision	In
Serie 2000	In	001 Fireproof II	Long	999	In	V Stage	In
Speedy S/L	In	002 Punto	Long	<b>81) XUSHAOFA</b>		Wallie	In
Speedy Soft	Out	005 Master Spin	In	988 Yang	Out	Xtend	In
Speedy Soft D. TecS	Out	006 Master Anti	Anti	989 Yang	Long	Xtend HS	In
Speedy Spin	In	007 Selection	Long	998 Yang	Anti	Xtend PO	Out
Speedy Spin Premium	In	Fireproof	Long	999	In	Zap	In
Standard	In	S - Max	In	<b>82) YAPING</b>		<b>84) YASHIMA</b>	
Storm	In	<b>96) TUTTLE</b>		Globe 999	In	Competition XR3000	In
Super Defense 40	In	001 Beijing	In	999 LSZ	In	Go Sport XR3000	In
Torpedo	In	002 World No. 1	In	999 Yang	In	Go Sport XX5	In
Vari Spin	In	003 AAA	In	999 ZCD	In	Upper Spin	
Vari Spin D. TecS	In	<b>85) V 3 TEC</b>		Globe 999	In	Competition XR7	In
Volcano	In	001 Spin Attack X3	In	139	In	XX3	In
		002 Fast Control S1	In			XX-5	In
		003 Power Drive Y5	In				



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