

SPIRAL MIXER

Translation of Original Instructions

Thank you for choosing this machine. We are sure that its performance will meet your requirements. It is in your interest to keep the machine in perfect running order. In this handbook you will find the necessary instructions on how to use and service it.

SAFETY STANDARDS

THROUGHOUT THE MANUAL THIS SYMBOL INDICATES IMPORTAN INFORMATION WARNING YOU OF ANY HAZARDOUS OPERATION. ALWAYS READ THE MESSAGE THAT FOLLOWS IT.



GENERAL WARNINGS



This machine has been manufactured to make your work as safe as possible. Caution is, nevertheless, the golden rule to follow to prevent accidents.

KNOWING YOUR MACHINE

<u>CAUTION: Store this manual in a safe place, near the machine, and disclose its storage location to all</u> <u>involved personnel!</u>

Do not put this manual away without having first read it, regardless of any previous personal experience. A little time spent in reading will save time and extra work.

Read this handbook thoroughly before proceeding with start-up, use, maintenance and other operations. Read and rigorously follow the herein contained instructions and recommendations:

- Read all warning labels applied to any part of the machine, and promptly replace them when they become worn or illegible;
- Only trained and authorised personnel should operate the machine;
- If any part jams or locks up, before clearing make sure you first switch off the motor. DO NOT clean, oil or grease by hand any moving parts of the machine. In addition, all repair and setting operations of any moving parts with the motor running, are prohibited, unless the necessary precautions to prevent any accidents have been taken beforehand;
- All moving parts are fitted with adequate guards and protections. Always remount them after removal for servicing.

WEAR ADEQUATE CLOTHING

Be sure to wear tight-fitting clothing without any loose parts. Never wear open or unfastened jackets, shirts or overalls.

IMPORTANT



To prevent accidents and ensure best performance the machine must not be modified or altered unless authorised by manufacturer. Nor must it be used in conditions or for purposes other than those for which it has been expressly designed. Any arbitrary modification implemented in this machine will automatically exempt the manufacturer from any liabilities for ensuing damage or injury.

This Machine has been designed and manufactured in conformity with EU directives : 2006/42/CE, 2006/95/CE and 2004/108/CE.

BE SURE TO READ "IMPORTANT" MESSAGES

Information highlighted as **"Important" or "Attention"** in the Operator's Manual and/or machine indicate specific **instructions about settings, maintenance** and so on. Failure to comply with these instructions may lead to damage to the machine.



For your own personal safety, before connecting the machine to mains:

- Check that power mains leading to distribution socket is fitted with an appropriate multipolar switch protected against overloads and shortcircuits;
- Carry out all phase connections, as well as any neutral and ground connections (compulsory) with a standard plug compatible with the above mentioned socket. The protection lead (ground) is the one with the yellow/green insulating sheath; make sure that the power supply cable is appropriate to its use, according to length, mains voltage and machine consumption;
- Unless adequate protections against electrical shock are fitted, do not operate the machine in damp or wet environments.

Strictly do not start up the machine without the protective panelling. This may jeopardise personnel safety and machine serviceability.

INDEX

- Salety standards and general warnings	J
- Technical specifications of models	6
- Machine applications	7
1. Operating principle	8
2. Preparing the machine	8
3. Operating the machine	8
3.1 Loading and starting	9
3.2 Unloading the machine	9
3.3 Varying initial mixture doses	10
4. Transport and handling	10
5. Installation, connections and set-up	11
6. Cleaning	13
7. Maintenance and adjustment	14
8. Whirring noise	16
9. Dismantling and demolishing the machine	16
10. Inconveniences and their remedies	16
- Wiring Diagram	17
- Exploded view	18
- Spare parts List	19

TECHNICAL CHARACTERISTICS of the SP 5 SPIRAL MODEL





SPECIFICATIONS TABLE of MODEL SP 5

Model	Motor	Weight	Length	Width	Height	Capacity
	HP	Kg. ca.	mm.	mm.	mm.	Kg.
SP 5	0.33	30	445	265	365	5

FIXED BOWL SPIRAL KNEADING MACHINE MOD. SP 5

- Stainless steel bowl with high resistance stainless steel spiral tool.
- Moving parts mounted on ball bearings with long-life sealing gaskets.
- Safety device for complete locking of moving parts and controls.
- Electrical circuit with control parts in low voltage 24 V for more safety.
- Connection by flameproof power cable according to necessary supply voltage, standard final length L = 3 m, without final plug.
- Protection of iron parts by furnace coating with epoxy powders.
- Power supply voltages: STANDARD: V = 220 V Single-phase 50 Hz
 ON REQUEST: V = 220 V Single-phase 60 Hz
 V = 110 V Single-phase 60 Hz

Specific characteristics of the machine

- Chain drives with speed driving belt reduction with the possibility of tensioning of the belt itself.
- Machine fitted with support feet with elastic damper.
- A normal START-STOP switch is provided together with an automatic production shutdown.

MACHINE APPLICATIONS

The machine is a processor of cereal flour doughs and pastries for pizzahouses, bakeries and confectioneries.

WARNING

For reasons of hygiene, health and warranty, it is strictly prohibited to use the machine for the processing of substances other than foods. Any other uses are contrary to the applications as originally intended by the manufacturer, who shall consequently not be held liable for any damage to the machine itself or to other objects, or for any injuries to persons that may arise thereof. In taking the risk of misuse, the user will be held responsible for any consequences.

1. OPERATING PRINCIPLE

The process consists in mixing flour, water, salt, yeast and any other food ingredient to the desired consistency.

This is performed by a stainless steel spiral (Fig. 1B) synchronised with bowl rotation (Fig. 1A).



2. PREPARING the MACHINE

Prepare the machine before every process cycle.

Be sure that the machine, especially parts which come in contact with food products (spiral, bowl) are perfectly clean; where necessary clean with hot water and spirit (see chapter CLEANING on page 22).

CAUTION: clean with machine off.

3. OPERATING the MACHINE

After having ensured perfect cleanliness of the machine, proceed with dough-making operations as required.



3.1 LOADING and STARTING

Press the stop pushbutton (Fig. 1B) to make sure the machine is off. Lift the protection from the tank (Fig. 3B) until stopping it against the steel peg with ingredients of the type and quantity required.

(Fig. 2B). Load the machine

Lower the bowl guard on its rest (Fig. 2C).

Press the green start switch (Fig. 1C).

CAUTION: the machine will run only if the safety microswitch is serviceable and perfectly positioned.



3.2 UNLOADING the MACHINE

At the end of the time period set for the process, press the stop pushbutton (Fig. 1C). Raise the bowl guard (Fig. 2C), remove the dough, and thoroughly clean all parts affected by the process immediately after (see chapter CLEANING on page 22). At the end of the operation, close the guard.

3.3 VARYNG INITIAL MIXTURE DOSES

If you need to vary the initial mixture doses by adding or changing the percentage of the ingredients, use the food slots (See Figure 1E) without stopping the machine or raising the guard.

4. TRANSPORT and HANDLING

The machine, pallet-mounted at origin, is shipped enclosed in an appropriate packing. Machine packing also encloses an instructions handbook and statement of conformity to EC directive.

The machine must be unloaded from the transportation means, extracting it from its packaging with extreme care.

Unless you need to check its contents, you are recommended not to open the packing until the moment of installation.



To transport the machine to the installation site, use a trolley of adequate carrying capacity.

The machine is delivered packed (in a closed box, any movement is prevented by the strips of polystyrene) and enclosed by a plastic cover.

Remove straps, packing and polystyrene strips. Dispose of this material according to the regulations in force. Lift the machine and place on the installation site.

Extract the machine from its packaging with extreme care.



5. INSTALLATION, CONNECTIONS and SET-UP

WARNING: install and use the machine in a room that can be efficiently ventilated, and where the floor is level, compact and easy to clean.

If floor is uneven, to prevent instability and machine movements, shim feet with strips of hard rubber.

FIGURA G



Position the machine as preferred, leaving a free space of approx. 15 cm all round (Fig. G).

This will enable unhindered access for actual operation, as well as for cleaning and maintenance. Be sure that machine voltage is the same as that distributed by power mains (see rating plate in machine rear, Fig. H).



For connection to electrical system, fit a suitable plug to the machine power supply cable.

WARNING: have the plug fitted to the power supply by qualified personnel. Take the necessary precautions to prevent the cable from being crimped or damaged.

After mating the plug to the mains socket, the machine is ready for use. First, however, check out proper operation of all moving parts and components of the machine. Thus, check:

A) rotation direction of bowl (compare with arrow on bowl) and spiral (Fig. IA page 22);

B) safety device serviceability: device is serviceable when machine stops the moment the guard (Fig. IB page 22) is lifted by 10-15 mm;

C) operation of pushbuttons and pilot lamp (Fig. IC page 22).

IMPORTANT: if the machine or some of its parts fail, call your local authorised dealer.



6. CLEANING

IMPORTANT: for healthy and hygienic processing of nutritional products, be sure to keep your machine and the surrounding environment clean.

Always cut off power supply before cleaning.

After use, especially since processed material is still soft, always thoroughly clean guard, bowl and spiral. Inspect and, if necessary, clean the process tools again before a fresh kneading operation. Use hot water to remove and rinse off any residual dough. Dry with nutritional absorbent paper and disinfect with a soft cloth dabbed in alcohol.

IMPORTANT: never use non-nutritional, abrasive or corrosive chemicals to clean. Also never use coarse or abrasive objects such as steel wool, abrasive sponges and so on.

To clean machine internal and external parts:

A) remove power supply plug from power mains socket;

B) clean coated surfaces with soft cloth and disinfect with alcohol;

C) to clean internal parts of machine, dismantle the rear panel (see fig. 1H), the upper panel (see fig. 2H) and finally the lower panel (see fig. 3H). Remove any grease and powder from the food products processed; then reassemble the panels.



7. MAINTENANCE AND ADJUSTMENT

WARNING: remember that all maintenance operations are hazardous if you do not first disconnect the plug from power mains.

To maintain machine safety, serviceability and stated performance, service the following parts:

A) BELT TENSION: once yearly, or in case of irregular machine operation (r.p.m. loss), check belt drive tension. In order to do this dismantle the upper panel by removing the four fixing screws using a screwdriver.



Finally using a suitable wrench, unscrew the four fixing screws of the motor to the structure of the machine (see fig. L1), subsequently move it backwards just enough to make sure that the belt is tight enough, finally fix the screws (fig. L2).

WARNING: never use the machine with any missing, disassembled or open guards and shields. If servicing operations require repairs to electrical system and/or replacement of bearings or mechanical components, call an expert technician or your local dealer.



B) MAINTENANCE OF THE CHAINS: for tensioning the Archimedean screw; as indicated above remove the upper panel, then loosen the four screws that block the Archimedean screw support (see fig. M2), push the same forward until the chain is tight enough, finally tighten the screws (fig. M1).

For tensioning of the tank chain: loosen the two screws that block the flanged support placed at the bottom (see fig. P1), then pull the return shaft and fix the screws (fig. P2).



Use an MR3 type of grease, just enough to ensure lubrication of all of the links of the chain, making sure however not to apply too much grease as during movement of the chain excessive grease tends to be directed towards the walls where it may easily mix with dust and food products (for example flour), therefore making it difficult to clean the inside of the machine.

8. WHIRRING NOISE

The whirring noise emitted by the machine has been measured on an identical sample machine in compliance with standard DIN 45635. A constant value not exceeding 70 DB(A) was measured as stated in the manufacturer's test report.

9. DISMANTELLING and DEMOLISHING the MACHINE

If machine needs to be dismantled and/or demolished, its components do not entail a degree of danger that requires any particular precaution.

Remember, however, that to facilitate material recycling operations, it is a good rule to remove electrical system components from the machine.



INFORMATIVE REPORT TO THE CUSTOMERS

according to the art.13 of Decree Legislative 25 July 2005, n.151 "Performance Directives 2002/95/CE, 2002/96/CE and 2003/108/CE, relative to the reduction of the use of dangerous substances in the electronic and electrical equipment, let alone to disposal of the refusals".

The symbol of the crossed bin brought back on the equipment or its packing indicates that the product at the end of its own life cycle must be collected separately from the other refusals.

The differentiated collection of the present equipment at the end of its life cycle is organized and is managed from the distributor. The customer who want to unravel itself the present equipment will have therefore to contact the distributor and follow the system that he has adopted in order to concur the separate collection of the equipment at the end of its life cycle.

The adapted differentiated collection for the successive start of the cast-off equipment to the recycling, to the treatment and to the compatible with environment disposal contributes to avoid possible negative effects on the atmosphere and the health and favours the re-employment and/or the recycling of the materials of which the equipment is made.

Illicit disposal of the product by the holder involves the application of the previewed administrative endorsements from the enforced norm.

inconveniences	causes	remedies
1) Machine operation failure	Disconnected plug	Connect plug
	 Plug leads not correctly connected 	Check lead connections
	 Trip switch adjusted for insufficient values 	 Adjust trip switch accordingly
	Unsuitable trip switch	Replace trip switch
	Board fuses blown ou	t • Replace blown fuse

10. INCONVENIENCES and their REMEDIES

WIRING DIAGRAM FOR SPIRAL MIXER SP 5 MODEL

ONE-PHASE 50/60 HZ 240 VOLTS DIAGRAM N/B SE 0



EXPLODED VIEW for SPIRAL MIXER MOD. SP 5



SPARE PARTS LIST for SPIRAL MIXER MOD. SP5

64	Riparo in AR	Cover	Protecteur	Schutzvorrichtung	Reparo
63	Interruttore senza scheda elettrica	Switch without electrical board	Interrupteur sans fiche électrique	Schalter ohne elektrische Karte	Interruptor sin tarjeta eléctrica
62	Piastrina fissagio impianto elettrico	Fixing plate of electrical system	Plaquette de fixation installation électrique	Befestigungsplatte Elektroanlage	Plancha de fiación de la instalación eléctrica
61	Distanziale per pignone di rinvio	Spacer for return pinion	Entretoise pour pianon de renvoi	Abstandsstück für Vorgelegeritzel	Espaciador para piñón de reenvio
60	Eccentrico per micro interrutore	Cam for microswitch	Came pour micro-interrupteur	Exzenter für Mikroschalter	Expéritrico para microinterruptor
59	Vite stei M4x5	Stei screw M4x5	Visistei M4x5	Gewindestift mit Innensechskant M4x5	Tomilo stei M4x5
58	Vite stei M6x8	Stei screw M6x8	Vis stei M6x8	Gewindestift mit Innensechskant M6x8	Tomilo stei M6x8
57	Vite stei M6x8	Stei screw M6x8	Vis stei M6x8	Gewindestift mit Innensechskant M6x8	Tomillo stei M6x8
56	Motore	Motor	Moter	Vntor	Motor
55	Rinaro posteriore in teflon	Rear cover in tellon	Protecteur en télion	Hinterer Tellorschutz	Reparo trasero de tellón
54	Microinternuttore NR6K1 (elettrica)	NB 6K1 microswitch (electrical)	Micro-internunteur NR 6K1 (électrique)	Mikroschalter NR6K1 (elektrisch)	Microinterruptor NR6K1 (eléctrica)
53	Fermacavo Po13	Po13 cable stop	Presse-cáble Po13	Kabelhalter Po13	Suieta-cable Po13
52	Impianto elettrico completo	Complete electrical system	Équipement électrique complet	Komplette Elektroanlage	Instalación eléctrica completa
51	Pulsanteria completa	Complete button panel	Tableau à poussoir complet	Vollständige Druckknopftafel	Tablero de pulsadores completo
50	Vite Testa Cacciavite M4x10	Screwdriver head screw M4x10	Vis tête tourvevis M4x10	Schraube Schraubendreherkopf M4x10	Tomillo cabeza destomillador M4x10
49	Piedini	Feet	Pieds	Füße	Pies
48	Vite Tcei M6x10	Tcei screw M6x10	Vis tcei M6x10	Innensechskantschraube M6x10	Tornillo toel M6x10
47	Dado M6 Acc	M6 Acc nut	Écrou M6	Muter M6	Tuerca M6
46	Vite Tcei M6x40 Acc	Tcei screw M6x40 Acc	Vis tcei M6x40 Acc	Innensechskantschraube M6x40 Acc	Tamillo toei M6x40 Acc
45	Vite Tcei M6x20 Acc	Tcei screw M6x20 Acc	Vis tcei M6x20 Acc	Innensechskantschraube M6x20 Acc	Tornillo toei M6x20 Acc
44	Dado M8 Zn	M8 Zn nut	Écrou M8 Zn	Mutter M8 Zn	Tuerca M8 Zn
43	Vite Te M8x20 Br C72	te screw M8x20 Br C72	Vis te M8x20 Br C72	Sechskantschraube M8x20 Br C72	Tomillo te M8x20 Br C72
42	Vite Tcei M8x10 Acc	Tcei screw M8x10 Acc	Vis tcei M8x10 Acc	Innensechskantschraube M8x10 Acc	Tomillo tcei M8x10 Acc
41	Dado M6	M6 nut	Écrou M6	Mutter MG	Tuerca M6
40	Vite Toei Mex15 Acc AISI 304	Toel screw M6x15 Acc AISI 304	Visitoei M6x15 Acc AISI 304	Innensechskantschraube M6x15 Acc AISI 304	Tornillo toei M6x15 Acc AISI 304
39	Vite Te M6y25 Br C72	Te screw M6x25 Br C72	Vis Te M6x25 Br C72	Sechskantschraube Te M6x25 Br C72	Tomillo Te M6x25 Br C72
38	Vite Te M6y20 Br C72	Te screw M6x20 Br C72	Vis Te M6x20 Br C72	Sechskantschraube Te M6x20 Br C72	Tomillo Te M6x20 Br C72
37	Dado M6	Ménut	Écrou M6	Mutter M6	Dado M6
36	Anello Seener ner Alberi IA 12	Seener ring for shafts A 12	Anneau seener nour arbres	Seegerring für Wellen	Anillo seeger para árboles
35	vite tsei M6v15 Zincate	Galvanized topi screw M6v15	Vistrei M6x15 zinquée	Innensechskantschraube M6x15 verzinkt	Tomillo toei M6x15 cincado
34	Vito To Mex10 Br C72	To scrow Mey10 Br C72	Vis To M6X10 Br C72	Sochskantschraube Te M6x10 Br C72	Tomilio Te Mitx10 Br C72
33	Chiavatta 6v6v20	Kay EvEv20	Clauatta 6v6v20	PaRtoriar System	Chaveta 6x6x20
30	Chiavatta SvSv15	Kov EvEv15	Clavatto 5v5v15	Paßfadar 5v5v15	Chaveta 5y5y15
21	Chiavotta SASA15	Ney DADATU Vini EuEute	Ciavelle SASA 13	Dollfodor 5v5v15	Chaupta 5y5y15
20	Distanziale contenimento cinchia	Ney 3X3X13	Cidvette 3X3X13	Fableudi JAJA 13 Abstandatijak Diamanaufinshma	Fenaniador de contención de la correa
20	Distanzialo por puloagia motoro	Dell contaninent space	Entretoise ni materi dia materia	Abstandstück für Matamannachaina	Espaciador de contención de la contra Fenaniador nara nolas del motor
23	Catona 2/0"v7/20" 47 page 4 munto	Obain 0/0%/7/00/ 47 stores - securities	Chaine 9/0"v7/00" 47 peo , joint	Vote 2/01/27/2011/27	Cadara 3/8"v7/32" /7 naces + juntura
28	Udielid olo X1/02 41 passi + yiulitu	Unan 3/6 x//32 4/ steps + coupling	Utalite 310 x1/32 47 pas + joint	Nelle J/O X//JZ 4/	oducija oro krijez 41 pasos t juliuja
	O-1 0.01 7/001 70	Ohnin 0/05-7/005 70 stans, astroling	Obelies 0/0%/7/00% 79 pes . laint	Villet abstallu + Verbillourigsstelle	Cadona 2/8"v7/22" 72 passa / juntura
21	Catena 3/8 x7/32 73 passi + giunto	Chain 3/8 X1/32 /3 steps + coupling	Chaine 3/6 X//32 / 3 pas + joint	Nelle 3/0 X//32 /3	oducia alo xilaz ila pasos + piliura
-	01 11 1000 ee 1 1	A 1 (44) (44)	0 1 1001/1 00 1 1	Mittenaostande + Verbindungsstelle	Cames 100VI 00 diastes
26	Cinghia 160XL 80 denti	Beit 160XL 80 teeth	Courrole 160 XL 80 dents	Hiemen 160XL 80 Zanne	Collecte C1004
25	Cuscinetto 61801	Bearing 61801	Houlement 61801	Lager 61801	Collete 61801
24	Cuscinetto 6001	Bearing 6001	Houlement 6001	Lager 6001	Cojinete 6001
23	Cuscinetto 6004 2RS	Bearing 6004 2RS	Roulement 6004 2RS	Lager 6004 2RS	Cojinete 6004 2HS
22	Cuscinetto 6003 2RS	Bearing 6003 2RS	Roulement 6003 2RS	Lager 6003 2RS	Cojinete 6003 2HS
21	Supporto a flangia seria UBPFL 202	UBPFL 202 flange support range	Support à brides sèrie UBPFL 202	Flanschhalterung Serie UBPFL 202	Soporte con brida serie UBPFL 202
20	Supporto per coclea	Support for Archimedean screw	Support pour vis sans fin	Halterung für Schnecke	Soporte para coclea
19	Supporto per porta vasca	Support for bowl holder	Support pour porte-cuve	Auflage für Schüsselhalterung	Soporte para porta-recipiente
18	Corona Z=60 3/8*x7/32*	Z=60 3/8"x7/32" crown	Couronne Z=60 3/8"x7/32"	Kranz Z=60 3/8"x7/32"	Corona Z=60 3/8"x7/32"
17	Pignone Z=23 3/8"x7/32"	Z=23 3/8"x7/32"pinion	Pignon Z=23 3/8"x7/32"	Ritzel Z=23 3/8"x7/32"	Pinon Z=23 3/8"x7/32"
16	Pignone Z=20 3/8"x7/32"	7.00.0/0*v7/00*ninion	D	Ditrol 7 00 2/05-7/201	Piñón Z=20 3/8"x7/32"
15		2=20 0/0 X//02 piriluit	Highon Z=20 3/8 X7/32	HU28 Z=20 3/0 X//32	
10	Pignone Z=10 3/8"x7/32"	Z=10 3/8*x7/32*pinion	Pignon Z=10 3/8"x7/32"	Ritzel Z=20 3/8 x7/32"	Piñón Z=10 3/8"x7/32"
14	Pignone Z=10 3/8"x7/32" Pignone Z=12 3/8"x7/32"	Z=20 3/8 x7/32 pinion Z=10 3/8"x7/32" pinion Z=12 3/8"x7/32" pinion	Pignon Z=10 3/8"x7/32" Pignon Z=10 3/8"x7/32" Pignon Z=12 3/8"x7/32"	Ritzel Z=10 3/8"x7/32" Ritzel Z=12 3/8"x7/32"	Piñón Z=10 3/8"x7/32" Piñón Z=12 3/8"x7/32"
14 13	Pignone Z=10 3/8"x7/32" Pignone Z=12 3/8"x7/32" Puleggia rinvio 72XL037 (6W)	Z=20 3/8*x7/32*pinion Z=10 3/8*x7/32*pinion Z=12 3/8*x7/32* pinion 72XL037 (6W) transmission pulley	Pignon Z=20 3/8*x7/32* Pignon Z=10 3/8*x7/32* Pignon Z=12 3/8*x7/32* Poulie de renvoi 72XL037 (6W)	Ritzel Z=10 3/8*x7/32* Ritzel Z=10 3/8*x7/32* Ritzel Z=12 3/8*x7/32* Vorgelege-Riemenscheibe 72XL037 (6W)	Piñón Z=10 3/8*x7/32* Piñón Z=12 3/8*x7/32* Polea de reervio 72XL037 (6W)
14 13 12	Pignone Z=10 3/8*x7/32* Pignone Z=12 3/8*x7/32* Puleggia rinvio 72XL037 (6W) Puleggia XL037 (6F)	Z=co 3i0 X7/32 pillion Z=10 3/8°x7/32° pillion Z=12 3/8°x7/32° pillion 72XL037 (6W) transmission pulley XL037 (6F) pulley	Pignon Z=20 3/8 X//32 Pignon Z=10 3/8'x7/32" Pignon Z=12 3/8'x7/32" Poulie de renvoi 72XL037 (6W) Poulie XL037 (6F)	Huzel Z=20 3/3 x7/32 Ritzel Z=10 3/8"x7/32" Ritzel Z=12 3/8"x7/32" Vorgelege-Riemenscheibe 72XL037 (6W) Riemenscheibe XL037 (6F)	Piñón Z=10 3/8"x7/32" Piñón Z=12 3/8"x7/32" Polea de reenvio 72XL037 (6W) Polea XL037 (6F)
13 14 13 12 11	Pignone Z=10 3/8*x7/32* Pignone Z=12 3/8*x7/32* Puleggia rinvio 72XL037 (6W) Puleggia XL037 (6F) Supporto per puleggia di rinvio	2=20 3/0 X/32 philor Z=10 3/8*x7/32* philon Z=12 3/8*x7/32* philon 72XL037 (6W) transmission pulley XL037 (6F) pulley Support for transmission pulley	Pgron Z=20 3/8 X//32 Pignon Z=10 3/8*X//32* Pignon Z=12 3/8*X7/32* Poulie de remvoi 72XL037 (6W) Poulie XL037 (6F) Support pour poulie de remvoi	Huzel Z=20 376 X7/32 Ritzel Z=10 3/8"x7/32" Ritzel Z=12 3/8"x7/32" Vorgelege-Riemenscheibe 72XL037 (6W) Riemenscheibe XL037 (6F) Halterung für Vorgelegeriemenscheibe	Piñón Z=10 3/8*x7/32* Piñón Z=12 3/8*x7/32* Polea de reenvio 72XL037 (6W) Polea XL037 (6F) Soporte para polea de reenvio
13 14 13 12 11 10	Pignone Z=10 3/8*x7/32* Pignone Z=12 3/8*x7/32* Puleggia rinvio 72XL037 (6W) Puleggia XL037 (6F) Supporto per puleggia di rinvio Porta vasca	Z=20 30 X/732 pition Z=10 308'X/732' pinion Z=12 308'X/732' pinion ZXL037 (6W) transmission pulley XL037 (6F) pulley Support for transmission pulley Bowl holder	Pignon Z=20 3/8 X/132 Pignon Z=10 3/8*x7/32* Pignon Z=12 3/8*x7/32* Poulie de remoi 72XL037 (6W) Poulie XL037 (6F) Support poulie de renvoi Porte-cuve	Huzi 2=0 3/8 X/32 Ritzel Z=10 3/8°/x7/32 Ritzel Z=12 3/8°/x7/32 Vorgelege-Riemenscheibe 72XL037 (6W) Riemenscheibe XL037 (6F) Halterung für Vorgelegeriemenscheibe Schüsselhaterung	Pińón Z=10 3/8*x7/32* Pińón Z=12 3/8*x7/32* Polea de reenvio 72XL037 (6W) Polea XL037 (6F) Soporte para polea de reenvio Porta-recipiente
13 14 13 12 11 10 9	Pignone Z=10 3/8*x7/32* Pignone Z=12 3/8*x7/32* Puleggia rinvio 72XL037 (6W) Puleggia XL037 (6F) Supporto per puleggia di rinvio Porta vasca Albero riduzione velocita'	Z=20 308 X732 pinion Z=10 308 X732 pinion Z=12 308 X732 pinion 72XL037 (6W) transmission pulley XL037 (6F) pulley Support for transmission pulley Bowl holder Speed reduction shaft	Pignon Z=20 3/8 X//32 Pignon Z=10 3/8*x7/32" Pignon Z=12 3/8*x7/32" Poulie de remvoi 72XL037 (6W) Poulie XL037 (6F) Support pour poulie de renvoi Porte-cuve Arbre réduction vitesse	Huzi 2=00 36 X/32 Ritzel Z=10 3/8"x7732" Ritzel Z=12 3/8"x7732" Vorgelege-Riemenscheibe 72XL037 (6W) Riemenscheibe XL037 (6F) Haterung für Vorgelegeriemenscheibe Schüsselhatterung Welle Geschwindigkeitsreduzierung	Pińón Z=10 3/8*x7/32* Pińón Z=12 3/8*x7/32* Polea de reenvio 72XL037 (6W) Polea XL037 (6F) Soporte para polea de reenvio Porta-recipiente Árbol de reducción de la velocidad
13 14 13 12 11 10 9 8	Pignone Z=10 3/8*x7/32* Pignone Z=12 3/8*x7/32* Puleggia rinvio 72XL037 (6W) Puleggia XL037 (6F) Supporto per puleggia di rinvio Porta vasca Albero riduzione velocita' Coclea per sp5	Z=20 3/6 X/732 pinion Z=10 3/8 X/732 pinion Z=12 3/8 X/732 pinion 72XL037 (6W) transmission pulley XL037 (6F) pulley Support for transmission pulley Bowh holder Speed reduction shaft Archimedean screw for sc6	Pgron Z=20 3/8 X//32 Pgron Z=10 3/8'x7/32" Pgron Z=12 3/8'x7/32" Poulie de remvoi 72XL037 (6W) Poulie XL037 (6F) Support pour poulie de renvoi Porte-ouve Arbre réduction vitesse Vis sans tête pour so5	Huze I 2=0 3/8 X/32 Ritzel Z=10 3/8 X/732 Ritzel Z=12 3/8 X/732 Worgelege Riemenscheibe 72XL037 (6W) Riemenscheibe XL037 (6F) Haterung für Vorgelegeriemenscheibe Schlussehaterung Welle Geschwindigkeitsreduzierung Schnecke für sp5	Pińón Z=10 3/8*x7/32* Pińón Z=12 3/8*x7/32* Polea de reenvio 72XL037 (6W) Polea XL037 (6F) Soporte para polea de reenvio Porta-recipiente Árbol de reducción de la velocidad Cóclea para sp5
13 14 13 12 11 10 9 8 7	Pignone Z=10 3/8*x7/32* Pignone Z=12 3/8*x7/32* Puleggia rinvio 72XL037 (6W) Puleggia XL037 (6F) Supporto per puleggia di rinvio Porta vasca Albero riduzione velocita' Coclea per sp5 Distanziale per supporto flancia	Z=20 3/6 X7/32 pinion Z=10 3/8*X7/32* pinion Z=12 3/8*X7/32* pinion 72XL037 (6W) transmission pulley Support for transmission pulley Bowl holder Speed reduction shaft Archimedean screw for sp5 Speed reducton shaft	Pignon Z=20 3/8 X/132 Pignon Z=10 3/8*x7/32* Pignon Z=12 3/8*x7/32* Poulie de remvoi 72XL037 (6W) Poulie XL037 (6F) Support pour poulie de remvoi Porte-cuve Afbre réduction vitesse Vis sans tête pour sp5 Entretoise pour support à brides	Huzi Z=20 3/8 X/32 Ritzel Z=10 3/8 %/7/32 Ritzel Z=12 3/8 %/7/32 Worgelege Filemenscheibe 72XL037 (6W) Riemenscheibe XL037 (6F) Haterung für Vorgelegeriemenscheibe Schüsselhaterung Welle Geschwindigkeitsreduzierung Schrecke für Sp5 Abstandsstück für Flanschhalteruno	Pińón Z=10 3/8*x7/32* Pińón Z=12 3/8*x7/32* Polea de reenvio 72XL037 (6W) Polea XL037 (6F) Soporte para polea de reenvio Porta-recipiente Árbol de reducción de la velocidad Cóclea para sp5 Espaciador para soporte brida
13 14 13 12 11 10 9 8 7 6	Pignone Z=10 3/8*x7/32* Pignone Z=12 3/8*x7/32* Puleggia rinvio 72XL037 (6W) Puleggia XL037 (6F) Supporto per puleggia di rinvio Porta vasca Albero riduzione velocita' Coclea per sp5 Distanziale per supporto flangia Schiena posteriore	Z=20 3/6 X/732 pinion Z=10 3/6 X/732 pinion Z=12 3/6 X/732 pinion 72XL037 (6W) transmission pulley Support for transmission pulley Bowl holder Speed reduction shaft Archimedean screw for sp5 Speed reduction shaft Rear back panel	Pgron Z=20 3/8 X/132 Pignon Z=10 3/8'x7/32" Pignon Z=12 3/8'x7/32" Poulie de remvoi 72XL037 (6W) Poulie XL037 (6F) Support pour poulie de remvoi Porte-cuve Arbre réduction vitesse Vis sans title pour support Entretoise pour support à brides Dos postérieur	Huze Z=0 3/8 X/32 Ritzel Z=10 3/8'x/7/32' Ritzel Z=12 3/8'x/7/32' Vorgelege Filemenscheibe 72XL037 (6W) Riemenscheibe XL037 (6F) Haterung für Vorgelegeriemenscheibe Schüsselhaterung Wele Geschwindigkeitsreduzierung Schrecke für sp5 Abstandsstück für Flanschhalterung Hinteres Rückenstück	Pińón Z=10 3/8*x7/32* Pińón Z=12 3/8*x7/32* Polea de reenvio 72XL037 (6W) Polea XL037 (6F) Soporte para polea de reenvio Porta-recipiente Árbol de reducción de la velocidad Cóclea para sp5 Espaciador para soporte brida Espalda trasera
13 14 13 12 11 10 9 8 7 6 5	Pignone Z=10 3/8*x7/32* Pignone Z=12 3/8*x7/32* Puleggia rinvio 72XL037 (6W) Puleggia XL037 (6F) Supporto per puleggia di rinvio Porta vasca Albero riduzione velocita* Coclea per sp5 Distanziale per supporto flangia Schiena posteriore Riojano inferiore chiusura	Z=20 3/6 X/732 pinion Z=10 3/8*X/732* pinion Z=12 3/8*X/732* pinion 72XL037 (6W) transmission pulley Support for transmission pulley Bowl holder Speed reduction shaft Archimedean screw for sp5 Spacer for flange support Rear back panel Closure of lower shelf	Pgron Z=20 3/8 X/132 Pignon Z=10 3/8*x7/32* Pignon Z=12 3/8*x7/32* Poulie de remvoi 72XL037 (6W) Poulie XL037 (6F) Support pour poulie de remvoi Porte-cuve Arbre réduction vitesse Vis sans tête pour sp5 Entretoise pour support à brides Dos postérieur Tablette inférieure de fermeture	Huze Z=0 3/8 X/32 Ritzel Z=10 3/8 X/732 Ritzel Z=12 3/8 X/732 Vorgelege-Riemenscheibe 72XL037 (6W) Riemenscheibe XL037 (6F) Haterung für Vorgelegeriemenscheibe Schüsselhaterung Welle Geschwindigkeitsreduzierung Schnecke für sp5 Abstandsstück für Flanschhalterung Hinteres Rückenstück Untere Abschlußfläche	Pińón Z=10 3/8*x7/32* Pińón Z=12 3/8*x7/32* Polea de reenvio 72XL037 (6W) Polea XL037 (6F) Soporte para polea de reenvio Porta-recipiente Árbol de reducción de la velocidad Cóclea para sp5 Espaciador para soporte brida Espalda trasera Plano inferior de cierre
13 14 13 12 11 10 9 8 7 6 5 4	Pignone Z=10 3/8*x7/32* Pignone Z=12 3/8*x7/32* Puleggia rinvio 72XL037 (6W) Puleggia XL037 (6F) Supporto per puleggia di rinvio Porta vasca Albero riduzione velocita' Coclea per sp5 Distanziale per supporto flangia Schiena posteriore Ripiano inferiore chiusura Ripiano speriore chiusura	Z=20 3/6 X/732 pinion Z=10 3/6 X/732° pinion Z=12 3/8° X/732° pinion 72XL037 (6W) transmission pulley Support for transmission pulley Bowl holder Speed reduction shaft Archimedean screw for sp5 Spacer for flange support Rear back panel Closure of lower shelf Closure of lower shelf	Pignon Z=20 3/8 X/132 Pignon Z=10 3/8'x7/32" Pignon Z=12 3/8'x7/32" Poulie de remvoi 72XL037 (6W) Poulie XL037 (6F) Support pour poulie de remvoi Porte-cuve Arbre réduction vitesse Vis sans tôte pour sp5 Entretoise pour sp5 Entretoise pour sp5 Entretoise pour sp5 Entretoise pour sp6 Entretoise pour sp6 Entretoise pour support à brides Dos postérieur Tablette inféreure de fermeture Tablette soférieure de fermeture	Huzi Z=00 3/8 X/32 Ritzel Z=10 3/8 X/732 Ritzel Z=12 3/8 X/732 Vorgelege Riemenscheibe 72XL037 (6W) Riemenscheibe XL037 (6F) Haterung für Vorgelegeriemenscheibe Schüsselhaterung Welle Geschwindigkeitsreduzierung Schnecke für spö Abstandsstück für Flanschhalterung Hinteres Rückenstück Untere Abschuldfläche Obere Abschuldfläche	Piñón Z=10 3/8*x7/32* Piñón Z=12 3/8*x7/32* Polea de reenvio 72XL037 (6W) Polea XL037 (6F) Soporte para polea de reenvio Porta-recipiente Ártol de reducción de la velocidad Códea para sp5 Espaciador para soporte brida Espaida trasera Plano inferior de cierre Plano superior de cierre
13 14 13 12 11 10 9 8 7 6 5 4 3	Pignone Z=10 3/8*x7/32* Pignone Z=12 3/8*x7/32* Puleggia rinvio 72XL037 (6W) Puleggia XL037 (6F) Supporto per puleggia di rinvio Porta vasca Albero riduzione velocita' Coclea per sp5 Distanziale per supporto flangia Schiena posteriore Ripiano inferiore chiusura Ripiano superiore chiusura Lima sostenon rinaro	Z=20 3/6 X/732 pinion Z=10 3/6 X/732° pinion Z=12 3/8° X/732° pinion 72XL037 (6W) transmission pulley Support for transmission pulley Bowl holder Speed reduction shaft Archimedean screw for sp5 Spacer for flange support Rear back panel Closure of lower shelf Closure of upper shelf Closure of upper shelf Closure of upper shelf	Pignon Z=20 3/8 X/132 Pignon Z=10 3/8'x7/32" Pignon Z=12 3/8'x7/32" Poulie de renvoi 72XL037 (6W) Poulie XL037 (6F) Support pour poulie de renvoi Porte-cuve Arber réduction vitesse Vis sans tôte pour sp5 Entretoise pour support à brides Dos postérieur Tablette sinférieure de fermeture Tablette supérieure de fermeture Tablette supérieure de fermeture	Huze Z=20 3/8 X/32 Ritzel Z=10 3/8 X/732 Ritzel Z=12 3/8 X/732 Ritzel Z=12 3/8 X/732 Vorgelege-Riemenscheibe 72XL037 (6W) Riemenscheibe XL037 (6F) Haterung für Vorgelegeriemenscheibe Schüsselhaterung Welle Geschwindigkeitsreduzierung Schnecke für sp5 Abstandsstück für Flanschhalterung Hinteres Rückenstück Untere Abschlußfläche Obere Abschlußfläche Stützpkatte Schutzrorrichtrung	Piñón Z=10 3/8*x7/32* Piñón Z=12 3/8*x7/32* Polea de reenvio 72XL037 (6W) Polea XL037 (6F) Soporte para polea de reenvio Porta-recipiente Ártol de reducción de la velocidad Cóclea para sp5 Espaciador para soporte brida Espalda trasera Plano interior de cierre Plano superior de cierre Cuchilla de sostén recaro
13 14 13 12 11 10 9 8 7 6 5 4 3 2	Pignone Z=10 3/8*x7/32* Pignone Z=12 3/8*x7/32* Puleggia rinvio 72XL037 (6W) Puleggia XL037 (6F) Supporto per puleggia di rinvio Porta vasca Albero riduzione velocita' Coclea per sp5 Distanziale per supporto flangia Schiena posteriore Ripiano inferiore chiusura Ripiano superiore chiusura Lama sostegno riparo Vasca per sp5 (J 262 5	2=20 36 X7/32 pinion Z=10 3/8*X7/32*pinion Z=12 3/8*X7/32*pinion ZXL037 (6F) pulley Support for transmission pulley Bowl holder Speed reduction shaft Archimedean screw for sp5 Spacer for flange support Rear back panel Closure of lower shelf Closure of upper shelf Guard support blade Bowl for sh JA 262 5	Pignon Z=10 3/8 X/132 Pignon Z=10 3/8'x7/32" Pignon Z=10 3/8'x7/32" Poulie de remoi 72XL037 (6W) Poulie XL037 (6F) Support pour poulie de renvoi Porte-cuve Arbre réduction vitesse Vis sans title pour sp5 Entretoise pour support à brides Dos postérieur Tablette inférieure de fermeture Tablette supérieure de fermeture Lame de soutien du protecteur Cume nour sp5 (Ja 262 5)	Huzi 2=0 3/8 X/32 Ritzel Z=10 3/8'/x/732' Ritzel Z=12 3/8'/x/732' Vorgelege-Riemenscheibe 72XL037 (6M) Riemenscheibe XL037 (6F) Halterung für Vorgelegeriemenscheibe Schüsselhaterung Welle Geschwindigkeitsreduzierung Schrecke für sp5 Abstandsstück für Flanschhalterung Hinteres Rückenstück Untere Abschlußfläche Stützplatte Schutzvorrichtung Stützplatte Schutzvorrichtung Stützplatte Schutzvorrichtung	Piñón Z=10 3/8*x7/32* Piñón Z=12 3/8*x7/32* Polea de reenvio 72XL037 (6W) Polea XL037 (6F) Soporte para polea de reenvio Pota-recipiente Árbol de reducción de la velocidad Códea para sp5 Espaciador para soporte brida Espadat trasera Plano interior de cierre Plano superior de cierre Plano superior de cierre Cuchilla de sostém reparo Recipiente para sp5 / 262.5
13 14 13 12 11 10 9 8 7 6 5 4 3 2 1	Pignone Z=10 3/8*x7/32* Pignone Z=12 3/8*x7/32* Puleggia rinvio 72XL037 (6W) Puleggia XL037 (6F) Supporto per puleggia di rinvio Porta vasca Albero riduzione velocita* Coclea per sp5 Distanziale per supporto flangia Schiena posteriore Ripiano inferiore chiusura Lama sostegno riparo Vasca per sp5 [A 262.5] Sinthura ne se5	2=20 36 X7/32 pinion Z=10 3/8*X7/32*pinion Z=12 3/8*X7/32*pinion ZXL037 (6F) pulley Support for transmission pulley Bowl holder Speed reduction shaft Archimedean screw for sp5 Spacer for flange support Rear back panel Closure of lower shelf Closure of upper shelf Guard support blade Bowl for sp5 (A 262.5 Frame for sp6	Pignon 2=20 3/8 X//32" Pignon 2=10 3/8"x7/32" Pignon 2=10 3/8"x7/32" Poulie de remoi 72XL037 (6W) Poulie XL037 (6F) Support poulie de renvoi Porte-cuve Arbre réduction vitesse Vis sans tête pour sp5 Entretoise pour support à brides Dos postérieur Tablette inférieure de fermeture Tablette supérieure de fermeture Tablette supérieure de fermeture Lame de soutien du protecteur Cuve pour sp5 /a 262.5 Sincture nour sof.	Huzik 2=00 3/8 X/32 Ritzel Z=10 3/8" X/32" Ritzel Z=12 3/8" X/32" Vorgelege-Riemenscheibe 72XL037 (6M) Haterung für Vorgelegeriemenscheibe Schüsselhalterung Welle Geschwindigkeitsreduzierung Schnecke für sp5 Abstandsstück für Flanschhalterung Hinteres Rückerstück Untere Abschlußfläche Stützplatte Schutzvorrichtung Schüssel für sp5 [A 262.5 Sinklur für sp5	Piñón Z=10 3/8*x7/32* Piñón Z=12 3/8*x7/32* Polea de reenvio 72XL037 (6W) Polea XL037 (6F) Soporte para polea de reenvio Porta-recipiente Árbol de reducción de la velocidad Códea para sp5 Espaciador para soporte brida Espalda trasera Plano inferior de cierre Plano superior de cierre Plano superior de cierre Cuchilla de sostén reparo Recipiente para sp5 (A 262.5 Estructura para sp5