



INDUSTRIAS TECHNOFLEX SA

<http://www.technoflex.es/>

Electric and Petrol Oscillating Vibro-Floating Screeds



Instruction Manual / List of Spare Parts

BUILDING AND PUBLIC WORKS MACHINERY

This manual contains the following sections:

1B- *Operation*

2.- *Articulation Control Spare Parts*

4.- *VIFOK Type Screed Spare Parts*

3.- *VIFOM Type Screed Spare Parts*

5.- *VIFOH Type Screed Spare Parts*

This manual provides information and procedures to safely operate and maintain this machine. For your own safety and protection from injury, carefully read, understand and observe the safety instructions described in this manual. THE INFORMATION CONTAINED IN THIS MANUAL ARE CORRECT FROM THE MOMENT OF EDITING. HOWEVER THE MANUFACTURER RESERVES THE RIGHT TO MODIFY THE CHARACTERISTICS, WITHOUT PRIOR NOTICE IN CONSIDERATION OF CONTRACT COMMITMENT OF CONTINUOUS IMPROVEMENT.

*Keep this manual or a copy of it with the machine. If you lose this manual or need an additional copy, please contact **INDUSTRIAS TECHNOFLEX S.A.** This machine is built with user safety in mind, however, it can present hazards if improperly operated and serviced. Follow operating instructions carefully! If you have questions about operating or servicing this equipment, please contact **INDUSTRIAS TECHNOFLEX S.A.***

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1.1 Safety Notes

This manual contains CAUTIONS and WARNINGS which must be followed to prevent the possibility of improper service, damaged to the equipment, or personal injury. Read and follow all the CAUTIONS and WARNINGS included in this instructions manual.



WARNING!: Warnings warn of conditions or practices which could lead to personal injury.

1.2 Warning and Safety Instructions



WARNING!

Read All Instructions!

When using electric tools, basic safety precautions should always be followed, to reduce the risk of fire, electric shock, and personal injury.

Guard against electric shock!

1. Never operate the equipment with damaged or worn electrical cords! When using an extension cord be sure to use one heavy enough to carry the current load.
2. Prevent body contact with grounded surfaces, such as pipes, metal railings, radiators and metal ductwork.
3. When the equipment is used outdoors, use only extension cords intended for and marked for outdoor use.
4. Always keep power cord away from heat, oil and sharp edges which can damage it.
5. Make certain the equipment is in good working order and **properly grounded** before starting, as well as the **connection plug** where this will be connected.

Save these instructions!

1B OPERATION

READ ALL INSTRUCTIONS



WARNING!

Familiarity and proper training are required for the safe operation of this equipment! Equipment operated or serviced improperly or by untrained personnel can be dangerous! Read all operating instructions and the safety notes below. Familiarize yourself with the proper use of this equipment before operating it.

1. *Keep your work area clean and free of clutter.*
2. *Keep your work area well lit.*
3. *DO NOT allow children or people other than the operator to handle power cables, extension cords or the equipment.*
4. *DO NOT allow non-essential personnel or visitors in the work area.*
5. *NEVER carry equipment by cord or pull on it to disconnect it from receptacle. Keep cord away from heat, oil and sharp edges.*
6. *Stay alert! Watch what you are doing. Use common sense. NEVER operate the vibrator motor when you are tired or while under the influence of drugs, alcohol, or medication.*
7. *Keep hands, feet, hair and loose clothing away from moving parts. They can be caught in moving parts.*
8. *DO NOT operate equipment if switch does not operate properly.*
9. *DO NOT overreach! Keep proper footing and balance at all times. Make sure any supporting structures are strong enough and stable enough to support your weight and the weight of any equipment on it.*
10. *Wear protective clothing when operating equipment. Goggles or safety glasses will protect against eye damage caused by flying debris. DO NOT force tool. Use the correct tool for which it is designed.*
11. *DO NOT force tool. Use the correct tool for which it is designed.*
12. *NEVER allow untrained personnel to operate or service the equipment.*
13. *Maintain tools with care. Keep vibrator unit clean for better and safer performance. Inspect motor cord periodically and if damaged, have it repaired by an authorized service facility.*
14. *NEVER use equipment with a defective switch. If the switch does not turn the motor "I" or "O", have it repaired by an authorized service facility before using the motor.*
15. *Replace worn or damaged parts with replacement parts designed and recommended for use by **INDUSTRIAS TECHNOFLEX S.A.***
16. *Any servicing, other than that covered in this instruction manual, should be performed by an authorized **INDUSTRIAS TECHNOFLEX S.A** Service Representative.*
17. *In all the countries the normative ones are not same, please if in their country the demand level is not contemplated in this manual, we request them they indicate it to us.*

Save these instructions!

1.3 Technical Data

VIFOM MODEL (Single-Phase Motor)	
Voltage	2P+T 220 V. or 115 V.
Frequency	Hz. 50/60
Power	KW. 0,25
Vibrations	v.p.m. 2850
Centrifugal Force	N. 2000
Length of Strip	m. (ft.) 2 / 2,5 / 3 (6,6 / 8 / 10)
Machine Weight Without Stripe	Kg. (lbs.) 11,5 (25,3)
Strip Weight	Kg./m. (lbs./ft.) 4,2 (9,2)

VIFOK MODEL (Kawasaki Petrol Engine)	
Engine	2 - Stroke Kawasaki
Maximum Power	Hp. 0,6
Fuel Type	Gasoline MIXES
Mixture Ratio	4 %
Tank Capacity	l. 0,5
Fuel Duration Approx.	1 Hour
Maximum Vibration	v.p.m. 6000
Max. Centrifugal Force	N. 2000
Length of Strip	m. (ft.) 2 / 2,5 / 3 (6,6 / 8 / 10)
Machine Weight Without Stripe	Kg. (lbs.) 8,5 (18,7)
Strip Weight	Kg./m. (lbs./ft.) 4,2 (9,2)

VIFOH MODEL (Honda Petrol Engine)	
Engine	4 - Stroke Honda
Maximum Power	Hp. 1,1
Fuel Type	UNLEADED Fuel Only
Tank Capacity	l. 0,55
Fuel Duration Approx.	1 Hour
Maximum Vibration	v.p.m. 7000
Max. Centrifugal Force	N. 2000
Length of Strip	m. (ft.) 2 / 2,5 / 3 (6,6 / 8 / 10)
Machine Weight Without Stripe	Kg. (lbs.) 10 (22)
Strip Weight	Kg./m. (lbs./ft.) 4,2 (9,2)

1B OPERATION

1.4 General Characteristics

The machine will be used by personnel trained for this job, it will only be used in specific jobs for which it has been technically developed, after having read the instructions contained in this manual and which must be followed correctly.

The manufacturer or authorised distributor must be consulted about any doubts.

The manufacturer **Industrias Technoflex S.A.**, will not accept any responsibility derived from incorrect installation, manipulation, or misuse of the Oscillating Vibro-Floating Screed.

Not acting according to the instructions indicated in this manual, will cause the cancellation of the guarantee.

1.5 Safety at Work

You must wear eye protection when operating the Oscillating Vibro-Floating Screed to prevent injury from concrete particles, It is also advisable to wear hearing protection against the sound produced by the motor.

Do not attempt to handle any of the moving parts whilst the motor is running.

The manufacturer will not accept responsibilities, for accidents if they derive from structure modification of the machine.

In addition to our recommendations the safety regulations of each country in force.

1.6 Conditions of Use

The original design of the Oscillating Vibro-Floating Screed allows you to change the working direction of the machine, either forward or backward as desired, by simply giving the extension arm half a turn, making it the ideal machine to attain the best grade finish on a concrete surface. Fig. 1.6-1.

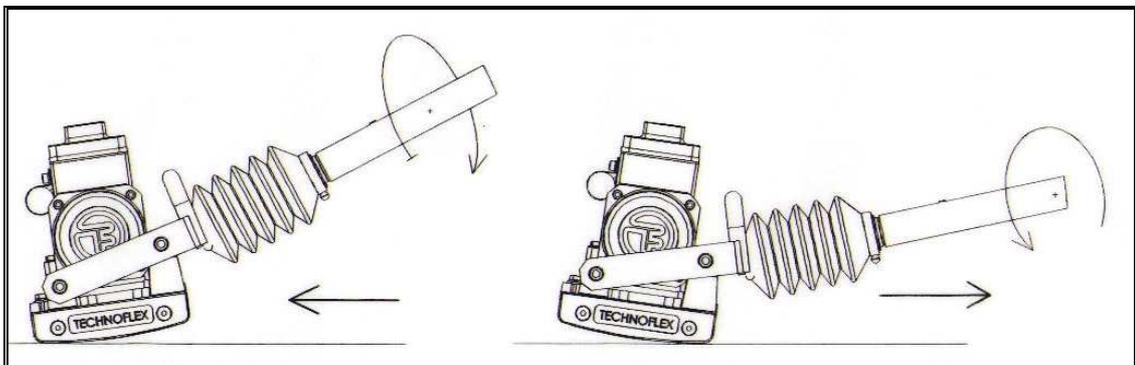


Fig. 1.6-1

1.7 Assembly Instructions

The Oscillating Vibro-Floating Screed comes with the Screed-Motor unit pre-assembled and the extension arm unassembled. To assemble the extension arm, follow the instructions below:

1st.- Remove the extension arm **Pos. 1** and the articulation control **Pos. 4** which are sealed together with the scstrip (See Fig. 1.7-1).

Presentation of Packaging:

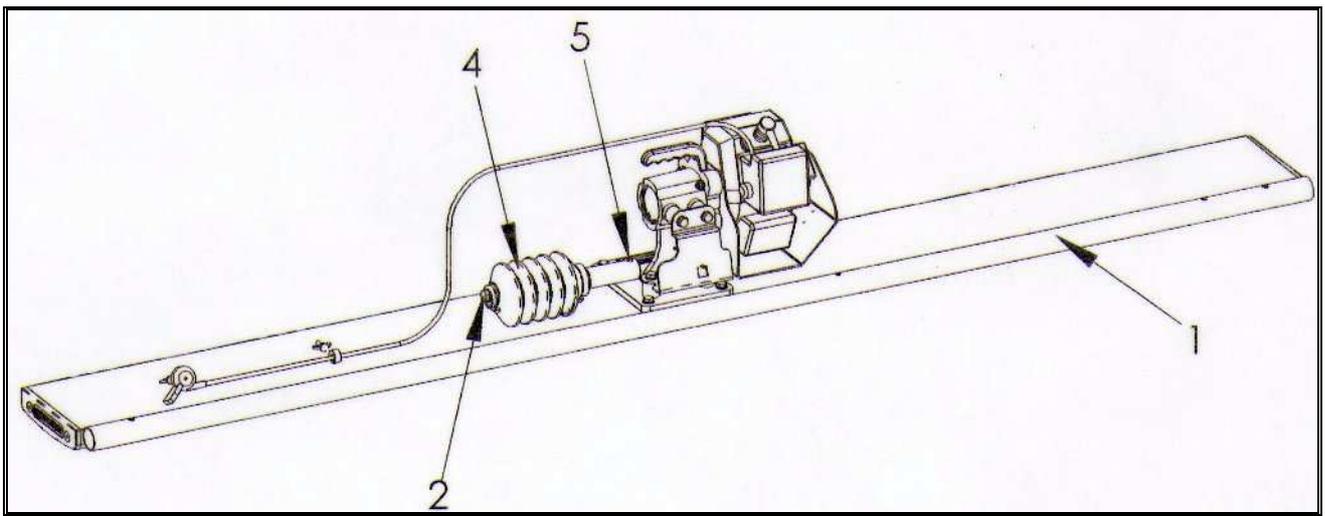


Fig. 1.7-1

2nd.- Remove screw **Pos. 2** and introduce the square end into the housing Fig. 1.7-2, setting the position indicator the right way. Tighten the screw **FIRMLY** with a spanner.

3rd.- Assemble the extension arm in the control joint by pushing the block button **Pos. 5** and making the tube slide till the hole coincides with the block button.

4th.- Petrol Screed: assemble the accelerator control in the hole **Pos. 3** (See Fig. 1.7-2).
Electric Screed: assemble the electric cable support in the same way as the accelerator control (See Fig. 1.7-3)

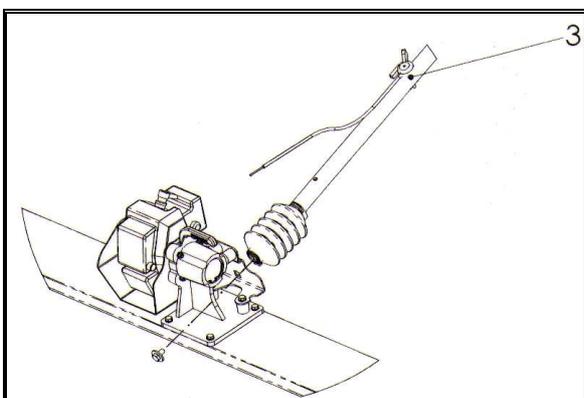


Fig. 1.7-2

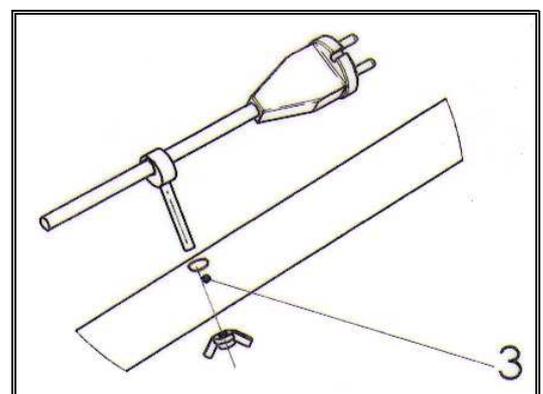


Fig. 1.7-3

1B OPERATION

1.8 Instructions of Use for The Electric Machines VIFOM Type

To start up the machine for the first time:

- 1.- Make sure the extension arm has been assembled correctly.
- 2.- Make sure the cable is in perfect conditions. If it shows any sign of deterioration, IT SHOULD BE REPLACED.
- 3.- Make sure the start button **Pos. 1** found on top of the motor's junction box is on "0"
(See Fig. 1.8-1).
- 4.- Making sure the voltage is the same as that specified on the motor nameplate, connect the electric cable to the power supply.
- 5.- Put the button **Pos. 1** on "I", and the machine is ready to be used.
- 6.- Once the job has been finished, and to then stop the machine, the button **Pos. 1** should be put on "0".

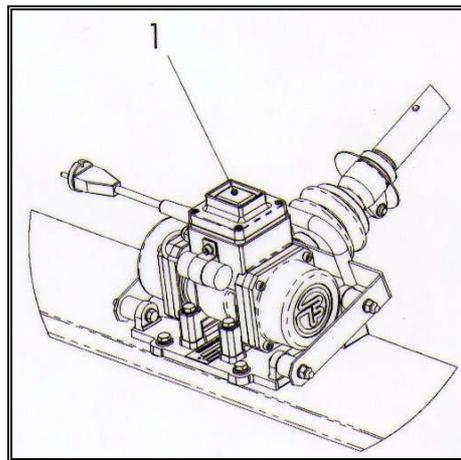


Fig. 1.8-1

1.8.1 Instructions of Use for The Petrol Machines VIFOK and VIFOH Types

- 1st.- Make sure the extension arm has been assembled correctly.
- 2nd.- Fill the fuel tank with MIXED OR UNLEADED PETROL DEPENDING ON THE VERSION.
- 3^d.- To start, run and stop the machine, carefully read the instructions provided by the motor's manufacturer included in this manual.

1.9 Maintenance Instructions

The parts must be thoroughly and perfectly cleaned of all concrete debris every day after use.

A practical suggestion is to coat the strip and the aluminium support of the machine with diesel oil to prevent the concrete from sticking making cleaning easier.

The machines **VIFOM** type are exempt of maintenance, for the machines **VIFOK** and **VIFOH** type, to follow the instructions of the maker of the engine.

1.10 Instructions for Ordering Spare Parts

Spare parts are on sale through the official services and in the brand distributors in your locality.

When you order spares do not forget to indicate:

- Type of machine
- Units ordered, and the code of parts requested , and whenever possible, the series number of the machines
- When equipment or spare parts have to be returned to the factory its necessary to contact with **Industrias Technoflex S.A.** for prior agreement, **“AN ABSOLUTE NECESSITY FOR THEIR RECEPTION”**.

1.11 Transport and Storage

• Conditions for transport and storage:

The packaging of this Oscillating Vibro-Floating Screed allows its easy transport without taking any special precaution.

Its storage this machines if it is for a long period of time, its storage will be in a safe dry place.

Before storage and after use the machine must be perfectly cleaned, taking all the concrete leftovers off, this operation can be carried out by hydro jet avoiding the electric parts.

Remember that for reasons of security in the transport, the tank of fuel leaves factory WITHOUT GASOLINE.

1B OPERATION

1.12 Guarantee

A) Period of Guarantee

Industrias Technoflex S.A., guarantees the products and components they manufacture, for a period of 6 months.

B) Coverage of Guarantee

The guarantee covers all the defects from manufacturing of the components of the product, as well as their replacement or substitution, on behalf of the Technical After Sales Service.

C) Cancellation of Guarantee

The guarantee does not cover the misuse or inadequate manipulation, on behalf of the use of the machine, knocks, maltreatment or repairing by unauthorised personnel.

During the period of guarantee the breakdowns must be repaired by personnel from **Industrias Technoflex S.A.**, authorised to do so, if this is not so the right given by the guarantee will be lost.

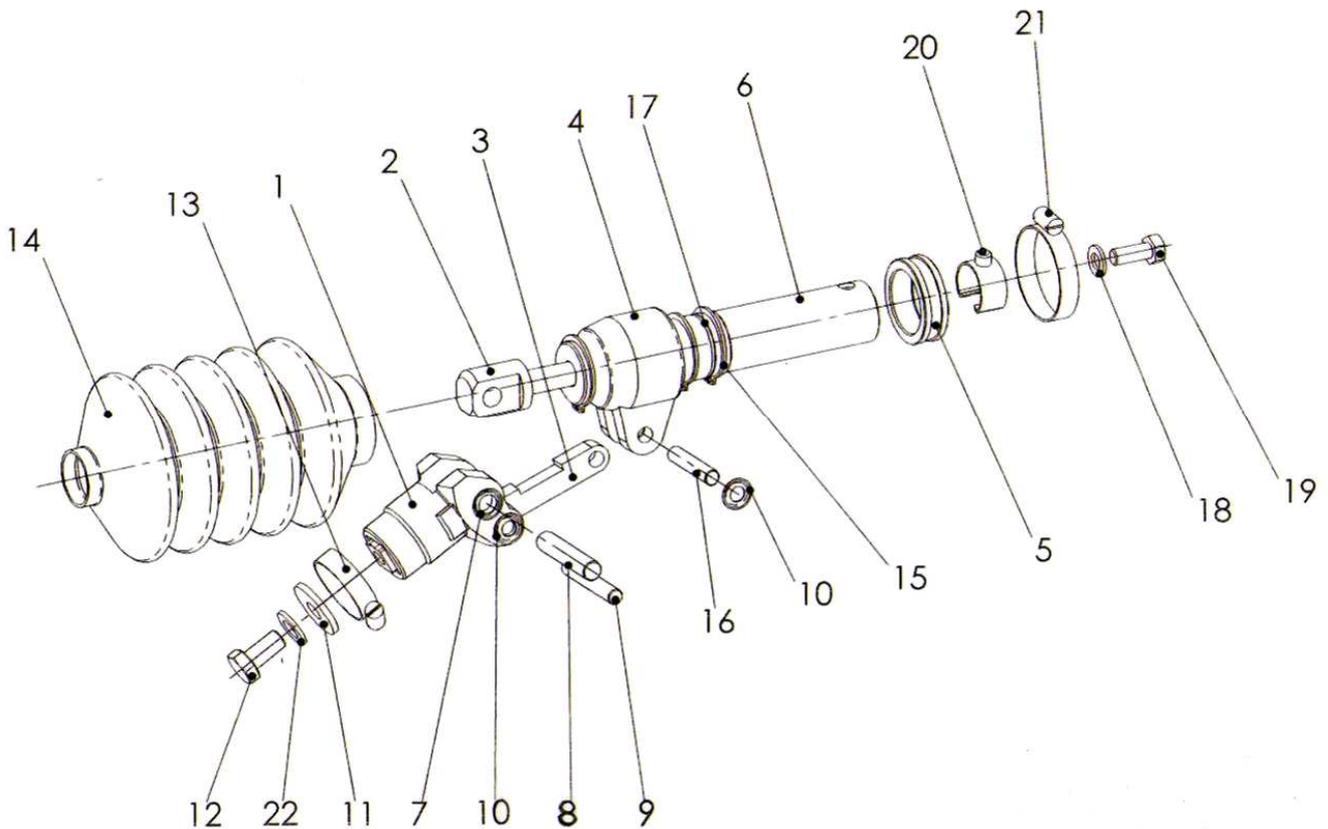
The equipment which has been dismantled or manipulated previously by personnel unauthorised by **Industrias Technoflex S.A.** will not be in guarantee.

In all the cases of application for guarantee, **prior notice** must send the equipment to **Industrias Technoflex S.A.** or where they indicate.

IMPORTANT NOTICE:

Industrias Technoflex S.A., are not responsible for damage caused to the product or persons due to their misuse or bad manipulation.

2.1 Montaje Mando Articulación / Zusammenbau Gelenksteuerung
Articulation Control Assembly / Montagem Mando Articulação
Montage Commande d'Articulation / Montaggio Comando Articolazione



Código Code Codici	Pos.	Cant. Qty. Quant. Anz.
173496R013	1	1
173498R014	2	1
173497R014	3	1
173495R013	4	1
173499R014	5	1
100428R014	6	1
4013008008	7	4
4050140850	8	1

Código Code Codici	Pos.	Cant. Qty. Quant. Anz.
4050141050	9	1
4013008010	10	2
3021200010	11	1
3933210020	12	1
4000002540	13	1
173505R014	14	1
4005000032	15	3
4050140840	16	1

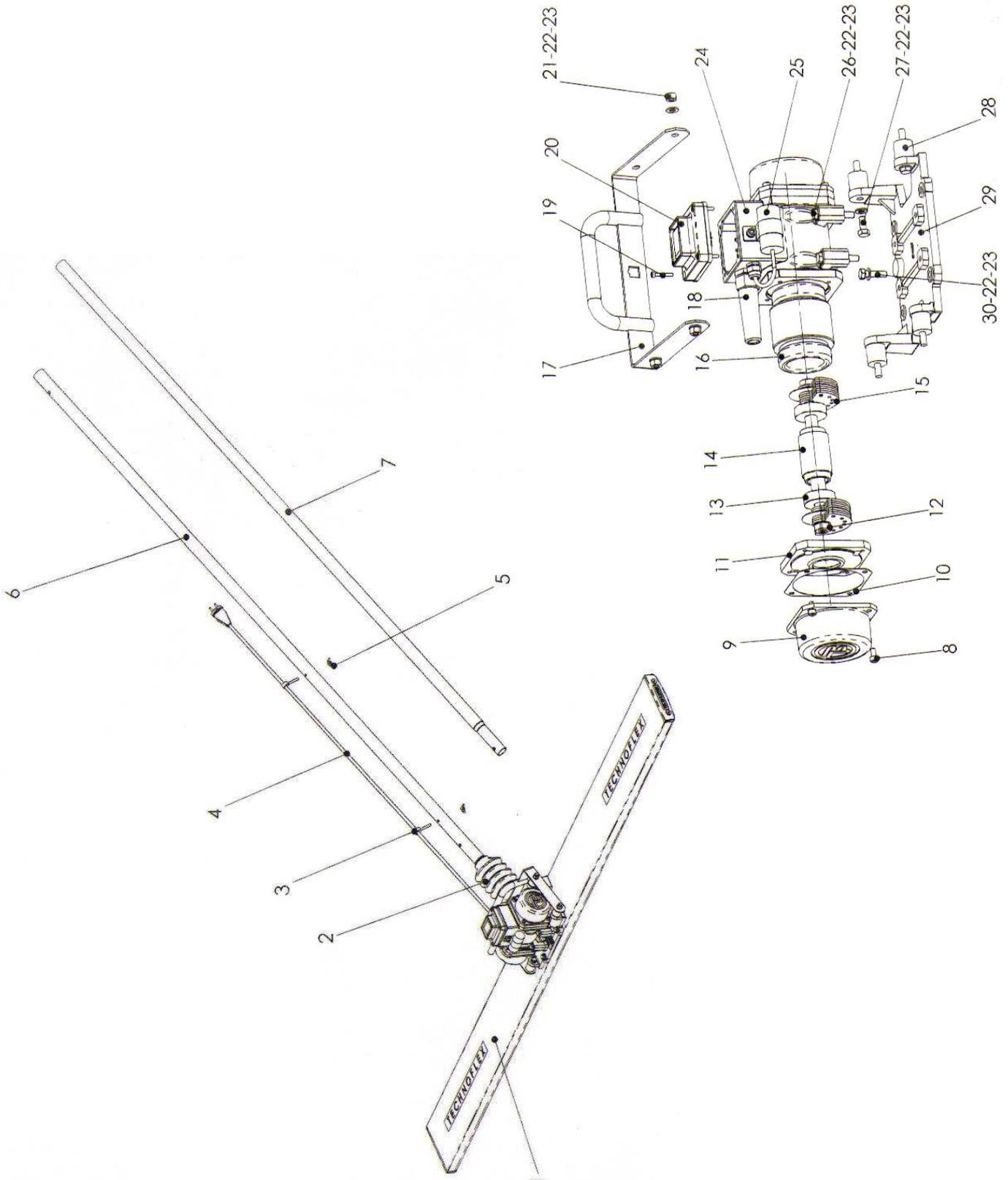
Código Code Codici	Pos.	Cant. Qty. Quant. Anz.
4042102802	17	1
3125200008	18	1
3933208015	19	1
171125R084	20	1
4000003250	21	1
3127200010	22	1

3

REGLA VIFOM
VIFOM SCREED
RÈGLE VIFOM

GLÄTTBOHLEN VIFOM
RÉGUA VIFOM
RIGA VIFOM

3.1 Montaje Regla VIFOM / Zusammenbau Glättbohlen VIFOM VIFOM Screed Assembly / Montajem Régua VIFOM Montage Règle VIFOM / Montaggio Riga VIFOM



REGLA VIFOM
VIFOM SCREED
RÈGLE VIFOM

GLÄTTBOHLEN VIFOM
RÈGUA VIFOM
RIGA VIFOM

3

Lista de Recambios / Liste de Pièces de Rechange / Lista de reposições
List of Spare Parts / Liste der Ersatzteile / Elenco dei Ricambi

Código Code Codici	Pos.	Cant. Qty. Quant. Anz.
3985200008	21	4
3127200008	22	16
3125200008	23	16
173183R011	24	1
4025999006	25	1
3933208050	26	4
3933208020	27	4
4070002525	28	4
173487R012	29	1
3933208030	30	4

Código Code Codici	Pos.	Cant. Qty. Quant. Anz.
173528R014	10	2
173181R013	11	2
181024R014	12	2
4060630202	13	2
141215R014	14	1
173177R014	15	14
173246R014	16	1
141390R013	17	1
4048000033	18	1
3912104025	19	4
4048000300	20	1

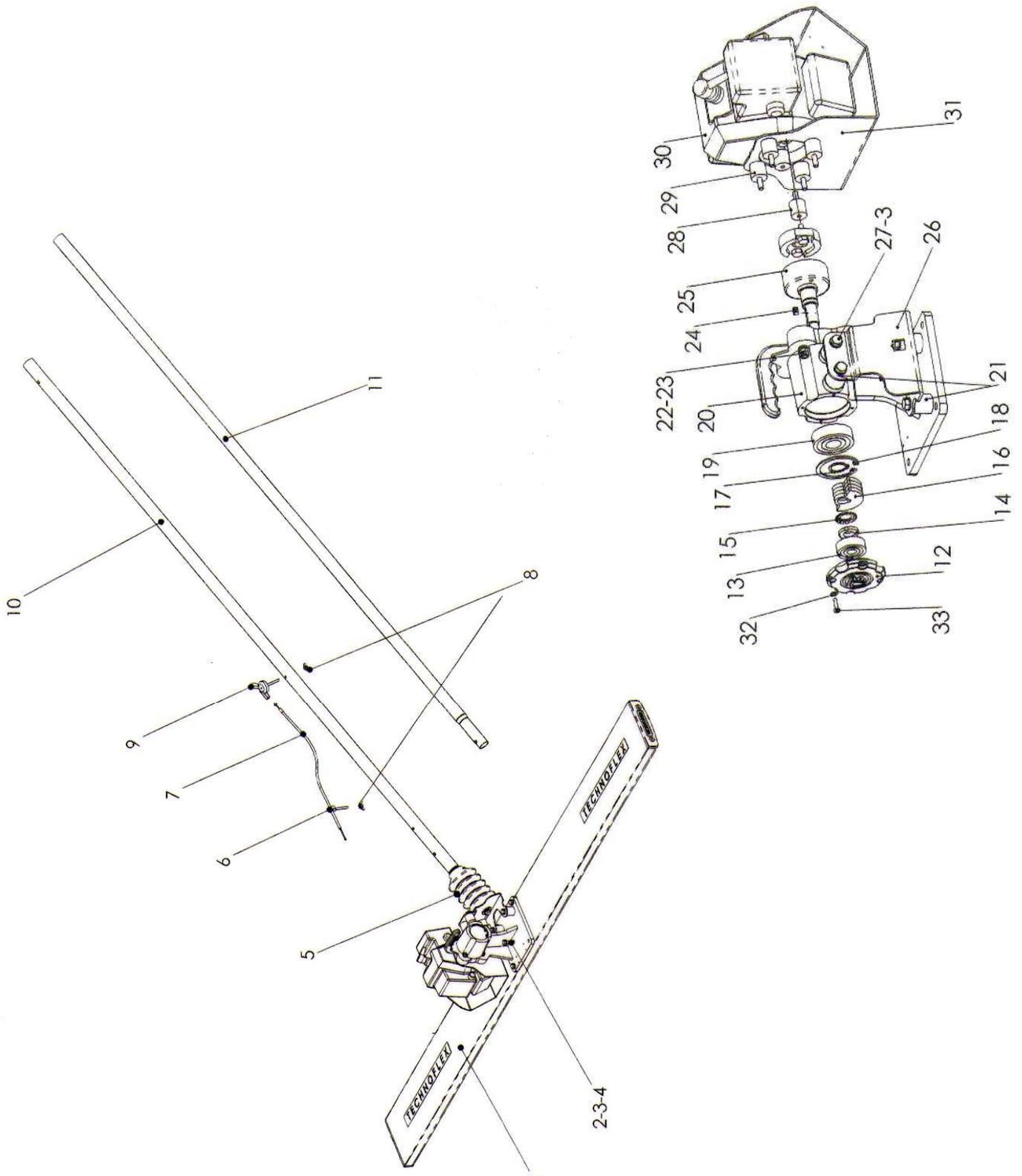
Código Code Codici	Pos.	Cant. Qty. Quant. Anz.
141396R013	1	1
141396R023	1	1
141396R033	1	1
141397R013	2	1
141415R014	3	2
141345R014	4	1
3315200006	5	2
173542R014	6	1
141414R013	7	1
3912106015	8	16
173179R012	9	2

4

REGLA VIFOK
VIFOK SCREED
RÈGLE VIFOK

GLÄTTBOHLEN VIFOK
RÉGUA VIFOK
RIGA VIFOK

4.1 Montaje Regla VIFOK / Zusammenbau Glättbohlen VIFOK VIFOK Screed Assembly / Montajem Régua VIFOK Montage Règle VIFOK / Montaggio Riga VIFOK



REGLA VIFOK
VIFOK SCREED
RÉGLE VIFOK

GLÄTTBOHLEN VIFOK
RÉGUA VIFOK
RIGA VIFOK

4

Lista de Recambios / Liste de Pièces de Rechange / Lista de reposições
List of Spare Parts / Liste der Ersatzteile / Elenco dei Ricambi

Código <i>Code</i> <i>Codici</i>	Pos.	Cant. <i>Qty.</i> <i>Quant.</i> <i>Anz.</i>
3798100006	23	4
4022050510	24	1
172964R014	25	1
173494R013	26	1
3933208010	27	1
4070002021	28	2
4070002020	29	4
4047000404	30	1
173417R013	31	1
3798100004	32	4
3985204015	33	4

Código <i>Code</i> <i>Codici</i>	Pos.	Cant. <i>Qty.</i> <i>Quant.</i> <i>Anz.</i>
141414R013	11	1
4060000058	12	1
120477R014	13	1
4075000002	14	1
4013000002	15	1
173560R014	16	4
4005000020	17	1
4006000052	18	1
4060630404	19	1
173488R012	20	1
4070002525	21	4
3934200006	22	8

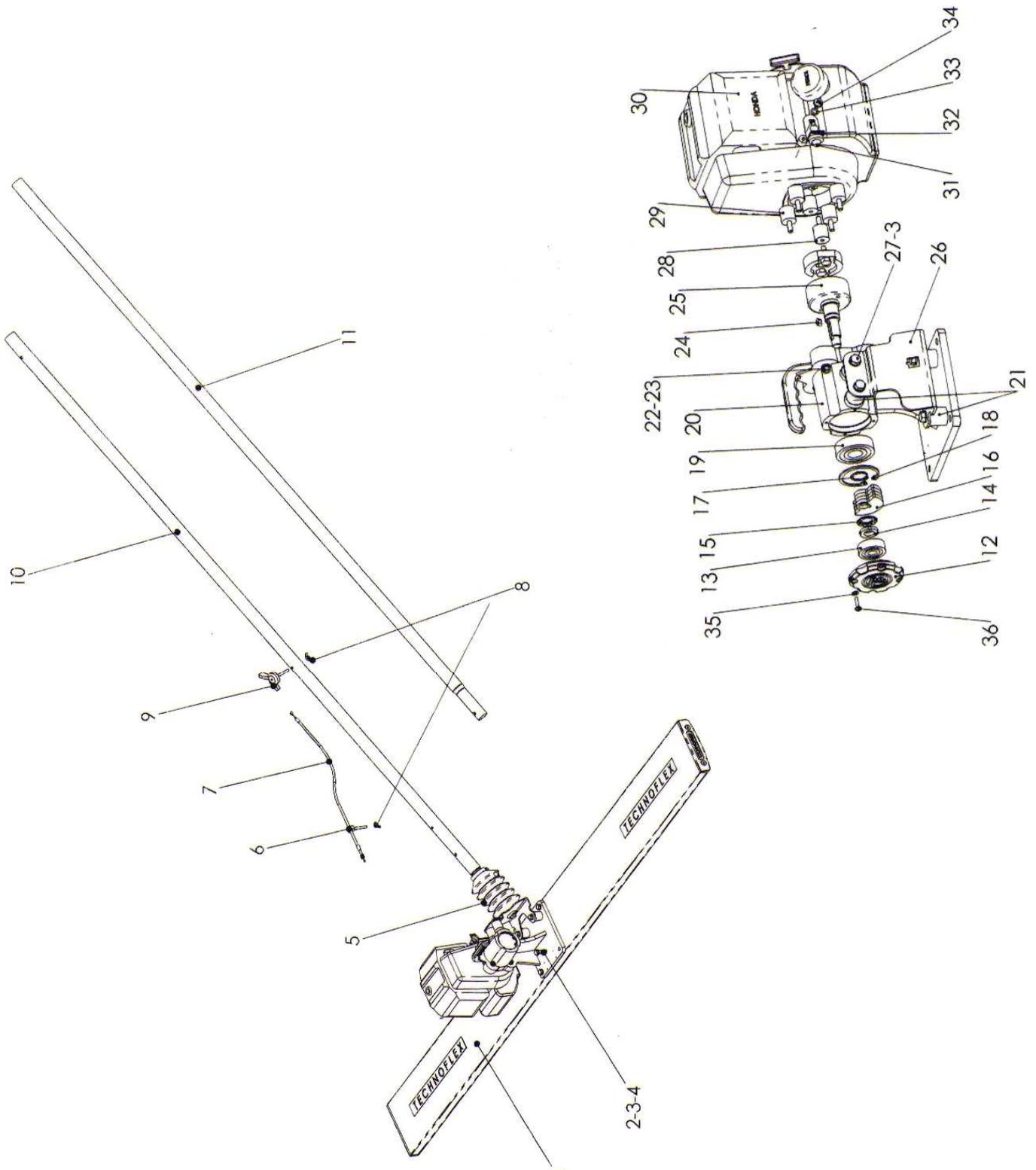
Código <i>Code</i> <i>Codici</i>	Pos.	Cant. <i>Qty.</i> <i>Quant.</i> <i>Anz.</i>
141396R013	1	1
141396R023	1	1
141396R033	1	1
3933208030	2	4
3125200008	3	8
3127200008	4	4
141397R013	5	1
141415R014	6	1
141361R014	7	1
3315200006	8	2
4046006025	9	1
173542R014	10	1

5

REGLA VIFOH
VIFOH SCREED
RÈGLE VIFOH

GLÄTTBOHLEN VIFOH
RÉGUA VIFOH
RIGA VIFOH

5.1 Montaje Regla VIFOH / Zusammenbau Glättbohlen VIFOH VIFOH Screed Assembly / Montagem Régua VIFOH Montage Règle VIFOH / Montaggio Riga VIFOH



REGLA VIFOH
VIFOH SCREED
RÈGLE VIFOH

GLÄTTBOHLEN VIFOH
RÈGUA VIFOH
RIGA VIFOH

5

Lista de Recambios / Liste de Pièces de Rechange / Lista de reposições
List of Spare Parts / Liste der Ersatzteile / Elenco dei Ricambi

Código Code Codici	Pos.	Cant. Qty. Quant. Anz.
172964R014	25	1
173494R013	26	1
3933208010	27	4
4070002021	28	2
4070002020	29	4
4047000022	30	1
4051400305	31	1
173543R014	32	1
4013000905	33	1
3985205010	34	1
3798100008	35	4
3985204015	36	4

Código Code Codici	Pos.	Cant. Qty. Quant. Anz.
120532R014	12	1
4060630104	13	1
4075000002	14	1
4013000002	15	1
173560R014	16	4
4005000020	17	1
4006000052	18	1
4060630404	19	1
173488R012	20	1
4070002525	21	4
3934200006	22	8
3798100006	23	4
4022050515	24	1

Código Code Codici	Pos.	Cant. Qty. Quant. Anz.
141396R013	1	1
141396R023	1	1
141396R033	1	1
3933208030	2	4
3125200008	3	8
3127200008	4	4
141397R013	5	1
141415R014	6	1
141420R014	7	1
3315200006	8	2
4046006025	9	1
173542R014	10	1
141414R013	11	1

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