

AIR - HYDRAULIC JACK

MODEL **P 400**

(H=9.2)

72244

OPERATOR'S MANUAL

INSTALLATION, USE AND MAINTENANCE



MODEL P 400 (H=9.2)

INSTALLATION, USE AND MAINTENANCE

CLEANING AND MAINTENANCE OF THE EQUIPMENT BY THE USER

TO ENSURE EFFICIENT AND CORRECT OPERATION OF THE EQUIPMENT CAREFULLY FOLLOW THE MANUFACTURER'S INSTRUCTIONS BY REGULARLY CLEANING AND PERFORMING ORDINARY PREVENTIVE MAINTENANCE

WARNING

THE CLEANING AND ORDINARY PREVENTIVE MAINTENANCE OPERATIONS MUST BE PERFORMED BY THE USER IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS CONTAINED IN THIS MANUAL (Refer to diagram at page 8).

- 1. In the case when the compressed air distributor system is not equipped with an automatic lubricator, insert a few drops of oil in the quick release pipe fitting (2) every 30 days;
- 2. Periodically check and clean the air filter (2.1) after having removed the pipe fitting (2.2) with a # 19 spanner. Cleaning must be carried out with petrol and compressed air. Replace the filter if necessary.
- 3. Periodically clean the piston stage with a clean dry cloth. Graphitized grease the outer surfaces of the stages every 6 months.
- 4. Check the correct operation of the emergency push-button every 30 days.
- (By pushing the red button, the jack must stop in every position of work. Lift the red button, to return into the normal operating conditions).



MODEL P 400 (H=9.2)

INSTALLATION USE AND MAINTENANCE

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The present manual makes up an integral part of the product.

Carefully read the warnings and instructions in the present manual since they furnish important indications concerning the SAFETY OF **OPERATION AND MAINTENANCE.**

PLEASE KEEP THIS MANUAL IN A SAFE PLACE FOR FURTHER REFERENCE.

THE AIR-HYDRAULIC JACK HAS BEEN DESIGNED TO BE IMPLEMENTED AS A JACK FOR LORRIES AND TRUCKS AND AS SUCH. IN CONFORMITY WITH THE MANUFACTURER'S INSTRUCTIONS, WITHIN THE LIMITS INDICATED IN THE PRESENT MANUAL.

This equipment must only be implemented for the applications to which it has been designed.

Any other use or application is to be considered as incorrect, and therefore unreasonable.

The Manufacturer is in no way responsible for eventual damages caused by improper, erroneous and unreasonable application.

WARNING: DO NOT ENTER INTO THE AREA UNDER THE RAISED VEHICLE IF THE SAME HAS NOT BEEN PROPPED UP BY MEANS OF SUITABLE SUPPORTS (Stands)

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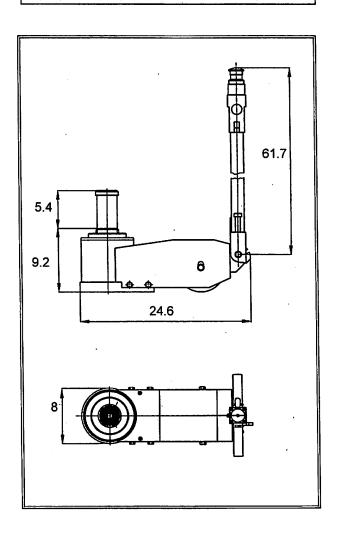
1944 TA 1850 - July 1	RATING								
Pasquin - Fo	ntaniva (Pad	dua) - Italy							
Model		Serial No.							
Year		Rated capacity	t						
Rated pressure		/ bar	CE						



MODEL P 400 (H=9.2)

INSTALLATION, USE AND MAINTENANCE

TECHNICAL DATA



Model	Stages lifting capacity (sh.tn)	Weight (lb)	Working air pressure (psi)		
P 400	1°		min.	max.	
	44	138.8	130	174	

NOTE: THE MAX. LOAD OF THE LIFTING UNIT IS GUARANTEED TO A SAFETY VALVE CALIBRATION PRESSURE OF 130 psi.



MODEL P 400

INSTALLATION, USE AND MAINTENANCE

(H=9.2)



WARNING

PACKING:

After having removed the packing inspect the equipment to make sure that none of the parts have been damaged (valves, wheels, fairing etc.).

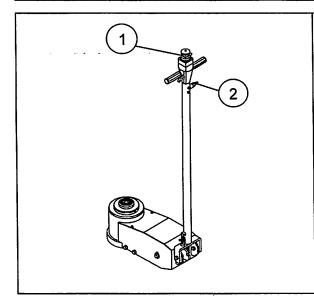
In case of doubt **do not use the equipment** and immediately contact the nearest Service Centre.

The packing elements (polystyrene bags, polystyrene foam, nails, screws, wood etc.) must not be left within the reach of children since they can be very dangerous.

Place the above mentioned packing materials into appropriate collection areas if they are pollutants or non biodegradable.

WARNING

The box containing the accessories (lifting cap, medium and long extension) is included in the equipment box. DO NOT THROW THIS BOX AWAY WITH THE REST OF THE PACKING



MOUNTING OF THE EQUIPMENT

- Take the jack from the box.
- Lift the emergency button (red), located on the upper part of the control device (1) (lifting it), before restarting the equipment.
- Check that the air pipe fitting (2) is compatible with the one used in the country.
- · Connect the air pipe fitting.
- Start operation by use of the control device (1).



MODEL P 400

INSTALLATION, USE AND MAINTENANCE

(H=9.2)

PUTTING INTO OPERATION

WARNING

ALWAYS USE THE JACK ON A FLAT AND RESISTANT SURFACE AWAY FROM DRAINS AND HOLES.

MAKE SURE THE HAND BRAKE HAS BEEN OPERATED ON THE VEHICLE BEFORE JACKING UP.

IF THE VEHICLE MOVES WHILST IT IS BEING JACKED UP (WITH THE AIR JACK IN PRESSURE) THIS IS VERY DANGEROUS FOR SAFETY AND MAY CAUSE DAMAGES TO THE PISTON OF THE JACK ITSELF. IN THIS CASE, REPLACE PISTONS BEFORE CARRYING OUT ANOTHER JACKING OPERATION.

USE FILTERED AIR FREE FROM CONDENSATE AND LUBRICATED.

IN THE ABSENCE OF AUTOMATIC AIR LUBE DEVICES IT WILL BE NECESSARY TO ADD A FEW DROPS OF HYDRAULIC OIL ON THE AIR INLET (2) EVERY 30 DAYS MAX. (REFER TO DIAGRAM AT PAGE 8).

ONCE THE LOAD HAS BEEN JACKED UP ALWAYS DISCONNECT THE AIR PIPE FROM THE VALVE SITUATED ON THE HANDLE.

DO NOT ENTER INTO THE AREA UNDER THE RAISED VEHICLE IF THE SAME HAS NOT BEEN PROPPED UP BY MEANS OF SUITABLE SUPPORTS (Stands)

ALWAYS RESPECT THE CAPACITY EXPRESSED IN TONS (TECHNICAL DATA ILLUSTRATED IN THIS MANUAL) IN ACCORDANCE WITH THE STAGES LIFTING CAPACITY OF THE EQUIPMENT.

ALWAYS RESPECT THE MAX. ALLOWED AIR FEED PRESSURE OF THE EQUIPMENT (TECHNICAL DATA ILLUSTRATED IN THIS MANUAL).

CONTACT THE NEAREST AUTHORISED SERVICE CENTRE FOR ANY TECHNICAL ASSISTANCE AND ORIGINAL SPARE PARTS THAT ARE EVENTUALLY REQUIRED.

A LIST OF SPARE PARTS IS INCLUDED WITH THE PRESENT MANUAL.

TO MOVE THE LIFTER, IT HAS TO BE IN EQUILIBRIUM ON THE WHEELS WITH THE HANDLE IN INTERMEDIATE POSITION.

(To rotate the handle leave the security clutch with the appropriate lever on the handgrip)

THE JACK MUST ONLY BE USED BY AUTHORISED PERSONNEL. PLEASE REMEMBER THAT IF IT IS USED BY ANYONE NOT AWARE OF THE PROCEDURES SPECIFIED IN THIS PRESENT MANUAL, THIS COULD BE VERY DANGEROUS.

POSITION THE JACK IN CORRESPONDENCE WITH THE LIFTING POINTS ENVISAGED BY THE MANUFACTURER OF THE VEHICLE AND MAKE SURE THAT THE LIFTING CAP (14) (REFER TO DIAGRAM AT PAGE 8) IS CENTRED.

ANY NON CONFORMITY WITH THE PRESENT WARNING COULD BRING ABOUT DAMAGES TO PERSONS, ANIMALS OR THINGS.

THE MANUFACTURER IS NOT RESPONSIBLE IN ANYWAY.

KEEP THE EQUIPMENT OUT OF THE REACH OF CHILDREN.

UPON COMPLETION PLACE THE EQUIPMENT BACK IN A SUITABLE PLACE SO AS TO AVOID DANGEROUS SITUATIONS.

AVOID DANGEROUS POSITIONS DURING JACKING UP AND DOWN OF THE VEHICLE.

THE JACK MUST ALWAYS BE USED BY THE OPERATOR IN THE OPPOSITE POSITION WITH RESPECT TO THE LIFTING CYLINDER.

DURING JACKING UP OR DOWN PHASES THE OPERATOR MUST GRIP THE HANDLE GRIPS OF THE JACK WITH BOTH HANDS.

IN THE CASE OF THE LEAKAGE OF OIL STOP THE OPERATIONS AND CONTACT YOUR AUTHORISED SERVICE CENTRE.

IN THE PRESENCE OF OBVIOUS DANGEROUS CONDITIONS INTERRUPT THE JACKING OPERATIONS BY USING THE EMERGENCY PUSHBUTTON (RED) ON THE CONTROL HANDLE.

TO RESET THE EMERGENCY CONTROL AND RE-START THE JACK MAKE SURE THAT THE DANGEROUS CONDITIONS HAVE BEEN ELIMINATED.



MODEL P 400

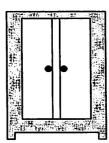
INSTALLATION, USE AND MAINTENANCE

(H=9.2)

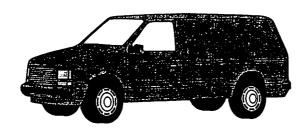
IF THE JACK IS STORED AWAY FOR LONG PERIODS IT IS RECOMMENDED TO CHANGE THE OIL TO ELIMINATE THE PRESENCE OF ANY CONDENSATE.

REOPERATING DOES NOT REQUIRE ANY PARTICULAR TYPE OF PROCEDURE.

INSTRUCTIONS FOR STORAGE



INSTRUCTIONS FOR TRANSPORT



If the jack is to be transported please carry out the following:

- PROTECT THE CONTROL DEVICE
- FIX THE EQUIPMENT AT THE AREA COMPRISED BETWEEN THE PISTON AND WHEELS
- SLING THE JACK WITH ROPE
- AVOID USING METAL WIRES
- PROTECT THE CORNERS OF THE FAIRING

INSTRUCTIONS FOR DISPOSAL





When it is decided not to use the jack any more it is recommended to disable it by disconnecting the quick release air feed pipe fitting.

It is also recommended to disable all those parts that constitute a dangerous hazard, for example: remove oil from the tank as in conformity with the rules of law in force concerning disposal.

Demolish the jack as scrap metal and dispose of it at the appropriate disposal area.

DAMAGED OR ILLEGIBLE LABELS HAVE TO BE REQUIRED AND TO BE SUBSTITUTED.

LABELS WITH INSTRUCTIONS AND PERFORMANCES ARE COMPONENTS OF THE LIFTER.



MODEL P 400 (H=9.2)

INSTALLATION, USE AND MAINTENANCE

TROUBLESHOOTING (Refer to diagram at page 8)

Pump does not work = Distributor blocked	Contact Tecnical Assistance.
The air jack moves slowly with respect to normal working conditions	Check the air pressure at the manometer placed at the compressor (min. pressure required 130 psi) and clean the air filter (2.1). Check for correct operation of the control device (1). Check that air does not leak out of the valve (6) when control device is at LIFT position.
The jack moves down under load (THIS DESCENT DOES IN NO WAY COMPROMISE SAFETY)	Contact Technical Assistance if necessary.
The jack does not move down on load.	Check the air pressure at the manometer placed at the compressor (min. 130 psi) and clean the air filter (2.1).
The jack does not move down off-load	 Check the air pressure at the manometer placed at the compressor (min. 130 psi) and clean the air filter (2.1). Clean the piston stroke (9) and grease it with graphitized grease. Check that the air pump (6) situated in the casing is not obstructed by residuals. Eventually clean it with compressed air. Check that the piston stroke is not oval shaped. If this is so replace this at your local Service Centre. Check that the silencer (5) is not clogged.
The jack works when control device is in neutral position.	Check that the air control (1) does not allow air to pass in both directions.
The jack is unable to move along its entire travel	•There is not sufficient oil in the tank due to leaks. Contact your local Dealer.

THE SAFETY VALVE IS SET AND SEALED IN THE FACTORY. IF THIS SEAL IS BROKEN PASQUIN SHALL IN NO WAY BE RESPONSIBLE FOR DAMAGES THAT MAY BE IMPUTABLE TO TAMPERING WITH THE VALVE ITSELF.



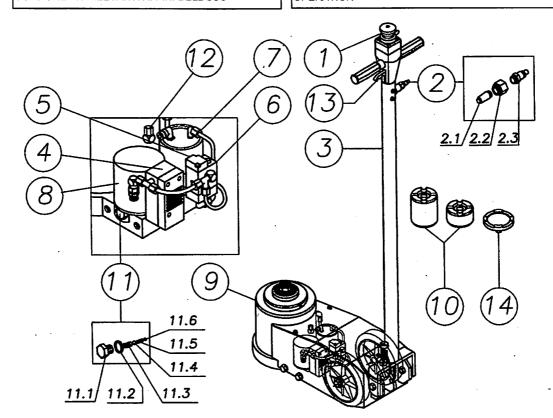
MODEL P 400

INSTALLATION, USE AND MAINTENANCE

(H=9.2)

Model:P400

DISEGNO COMPLESSIVO DELL'APPARECCHIATURA CON LE INDICAZIONI GENERICHE DELLE PARTI COMPONENTI RILEVANTI AI FINI DELL'USO OVERALL DIAGRAM OF A JACK SHOWING THE MAIN COMPONENTS IMPORTANT FOR JACK OPERATION



LEGGENDA DELLE PARTI EVIDENZIATE

1=COMANDO

2=ENTRATA ARIA

3=MANICO

4=VALVOLA POMPA

5=SILENZIATORE

6=DEPRESSORE

7=VALVOLA SCARICO

8=POMPA

9=PISTONE

10=PROLUNGHE

11=SFERE

12=TAPPO OLIO

13=LEVA POSIZIONE MANICO

14=PIATTELLO

KEY TO COMPONENTS

1=CONTROL

2=AIR INLET

3=HANDLE

4=PUMP VALVE

5=SILENCER

6=VACUUM PUMP

7=EXHAUST VALVE

8=PUMP

9=PISTON

10=EXTENSION

11=BALLS

12=OIL PLUG

13=HANDLE POSITIONING LEVER

14=CAP



MODEL P 400

INSTALLATION, USE AND MAINTENANCE

(H=9.2)

CONDITIONS OF GUARANTEE

1. The equipment is guaranteed for a period of 12 months from the date of purchase that must be certified by a document valid for tax purposes issued by the authorised dealer. This document must bear the retailer's name and the date when the equipment was bought.

In order for the guarantee to be valid the **Certificate of Guarantee** must contain the particulars of the product and must be kept together with the document valid for tax purposes issued by the dealer.

Both documents must be shown to the authorised personnel in the case of technical assistance is required.

- 2. Guarantee is intended as the free replacement or repair of components that result to be defective from the start due to manufacturing defects.
- 3. In the case of an irreparable fault or repetitive fault of the same part or component, the equipment shall be replaced upon final judgement by the manufacturer.

The guarantee of the new equipment will continue up to the end of the original contract.

4. The guarantee does not include those parts that result to be defective due to negligence or carelessness during operation (failure to meet the instructions for operation of the equipment), incorrect installation or maintenance, maintenance carried out by inexperienced personnel, damages brought about during transport, or any other circumstances that are not connected with manufacturing defects of the equipment.

Work concerning installation and connection to feeding systems is not covered by the present warranty as well as the maintenance procedures mentioned in the Instruction Manual.

- 5. The guarantee is also excluded for all cases of improper operation of the equipment.
- 6. The manufacturer declines each and every responsibility for eventual damages that may be caused, either directly or indirectly, to persons, animals or things as a consequence of the failure to satisfy the requirements indicated in the Instruction Manual concerning installation, operation and maintenance of the equipment.
- 7. In the case when the equipment is repaired by one of the Technical Service centres indicated by the Manufacturer, the risks of transport shall be the responsibility of the user in the case of direct shipment, and the responsibility of the centre when the equipment is picked-up from the user by Technical Service Centre.
- 8. A prevailing condition for the validity of the guarantee is the presence of the rating plate indicating the serial number and model.

The transport charges must be paid by the user.

THE SAFETY VALVE IS SET AND SEALED IN THE FACTORY. IF THIS SEAL IS BROKEN PASQUIN SHALL IN NO WAY BE RESPONSIBLE FOR DAMAGES THAT MAY BE IMPUTABLE TO TAMPERING WITH THE VALVE ITSELF.



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INSTALLATION, USE AND MAINTENANCE

TABLE OF GENERAL TECHNICAL DATA

MODEL	A 1	A 2	A 3	A 4	A 5	A 6	weight (lb)	working pressure * (psi)	max pressure (psi)	size w x l x h (in)
P400	44	i.	-1		i i		138.8	130	174	24.6x8x61.7
MODEL	A1	A2	A3	A4	A5	A6				
_			xpresse			;				

* SAFETY VALVE CALIBRATION VALUES TO GUARANTEE THE CORRECT PERFORMANCE.



MODEL P 400 (H=9.2)

INSTALLATION, USE AND MAINTENANCE

SPARE PARTS

ATTENTION

This section is provided especially to facilitate the Technical Assistance Service and destined to professionally qualified persons.

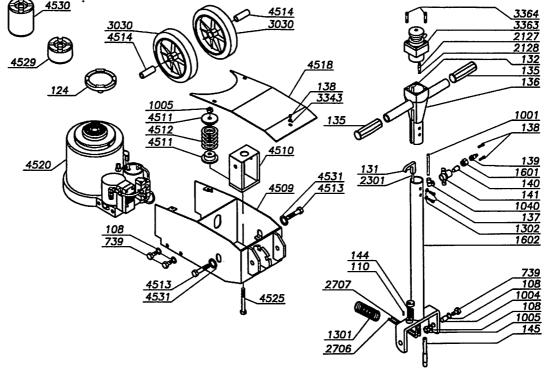
The operator is by no reason authorised to carry out technical operations on the oleopneumatic lifter except for ordinary maintenance as explained in this Operator's Manual.

In case of repair the operator has to contact only an authorised Service Centre and to ask for the original spare parts..

The use of spare parts others than the original ones may endanger the security of the lifter and cancel the terms of warranty.

Pas	quin	SOLLEVATORE Modello/Model:			CODICE: 4500			
1	■ otaniva (PD	GRUPPO:	POMPA PUMP	PUMPE POMPE	CODICE: 1358			
32 33331 1056 1317 3329 537 1062 1061 3130 613 1057 1055 575 1066 1067 1068 582 583 583 584 585 1070 1319								
	Q.TA DESCI		ESCRIPTION PE FITTING	BEZEICHNUNG VERBINDUNGSSTUCK	DESCRIPTION RACCORD			
32 537 572 572 573 574 575 582 583 584 585 591 613 614 1055 1056 1061 1062 1066 1067 1068 1070 1317 1319 3130 33329 3331	1 RACCO 2 GUARN 2 GUARN 1 STANTL 1 ALBERI 1 BOCCO 1 GUARN 4 VITE 1 VALVOL 1 CILINDI PMEU 1 GUARN 2 GUARN 1 FLANGI 1 MOLLA 1 FLANGI 1 VALVOL 1 CORPC IDRAL	RDO IZIONE IZIONE IZIONE IFFO ALLUMINIO NO SH IZIONE IZIONE IZIONE IZIONE IZIONE A RO	PE FITTING CKING CKING CKING UMINIUM PISTON IAFT NG NUT ISH CKING PRIMG CKING	VERBINDUNGSSTUCK DICHTUNG DICHTUNG ALLUMINIUMKOLBEN WELLE NUTMUTTER HULSE DICHTUNG SCHRAUBE VENTIL ZYLINDER DER PNEUMATISCHEN PUM DICHTUNG DICHTUNG DICHTUNG DICHTUNG SCHRAUBE FEDERFUHRUNG FEDER FEDER FLANSCH HAUPTVENTIL HYDRAULISCHES PUMPENGEHÄUSE SCHALLDÄMPFER SCHEIBE VERBINDUNGSSTUCK	RACCORD BAGUE D'ETANCHEITE BAGUE D'ETANCHEITE PISTON ALUMINIUM AXE EMBOUT DOUILLE BAGUE D'ETANCHEITE BAGUE D'ETANCHEITE VIS SOUPAPE CYLINDRE POMPE			

SOLLEVATORE Modello/Model: Pasquin CODICE: CODE: P 400 4500 **CARENATURA VERKLEIDUNG** GRUPPO: UNIT: CODICE: CODE: 4501 Fontaniva (PD) **FAIRING CARENAGE** 4530 3364 3363 2127 <u>4518</u>



CODICE	Q.TA	DESCRIZIONE	DESCRIPTION	BEZEICHNUNG	DESCRIPTION
108	8	RONDELLA	WASHER		RONDELLE
110					GOUPILLE DISQUE
124				HEBETELLER	UISQUE CELECTEUR
131 132 135 136 137		LEVETTA FERMO ASTINA	LEVER ROD STOP	HEBEL STABSICHERUNG	SELECTEUR ARRET_TIGE
135	1 2	MANOPOLA	HANDLE	GRIFF	POIGNEE
136	1 7	SUPPORTO COMANDO	CONTROL SUPPORT	STEUERHALTERUNG	SUPPORT COMMANDE
1.37	ر ا	VITE	SCRFW -	SCHRAUBE	VIS
1.38		lVite .	SCREW	SCHRAUBE	vis I
138 139	1	RACCORDO RAPIDO	QUICK RELEASE	SCHNELLVERBINDUNG	RACCORD RAPIDE
1		l	PIPE_FITTING	CH TEO	-
140	1	FILTRO	FILTER		FILTRE AIR
141	1 1	ENTRATA ARIA MOLLA	AIR INLET SPRING	LUFTZUFUHR	ENTREE AIR RESSORT
145	1 1	SPINA DI FERMO	STOP PIN	FEDER FESTSTELLSTECKER	GOUPILLE D'ARRET
739	6	VITE	ISCREW	SCHRAUBE	VIS
739		ΙτύΒο	PIPE	ROHR	TURF
1004	1 2 3	BOCCOLA	โฮบริห	ROHR HULSE	TUBE DOUILLE
1005	3	DADO	NUT	MUTTER	ECROU
1040	1	RACCORDO	PIPE FITTING	VERBINDUNGSSTUCK	RACCORD
1301	1	GUAINA	SHEATH	UMMANTELUNG	GAINE
1302	2	RONDELLA	WASHER	SCHEIBE	RONDELLE
1601	1	RIDUZIONE PER FILTRO	FILTER REDUCING	FILTERREDUZIERER	REDUCTEUR POUR FILTRE
1602	1	MANICO	ADAPTER HANDLE	STIEL	MANCHE
2127	1	RACCORDO	PIPE FITTING	VERBINDUNGSSTUCK	RACCORD
2128	1 4	GUARNIZIONE	PACKING	DICHTUNG	BAGUE D'ETANCHEITE
2301	1 1	ASTINA	ROD	ISTAB	TIGE
2706	1	TUBO	PIPE	ROHR	TUBE
2707	1	TUBO	PIPE	ROHR	TUBE
3030	2	RUOTA	WHEEL	RAD	ROUTE
3343 3363 3364	3	RONDELLA	WASHER	SCHEIBE STEUERUNG	RONDELLE
3363	1 1	COMANDO	CONTROL	STEUERUNG SCHRAUBE	COMMANDE VIS
3304	2312122122	VITE	SCREW CASING	SCHRAUBE	CAPCASSE
4509 4510 4511	1 5	CARCASSA PERNO SUPPORTO MOLLE	PIVOT	GEHÄUSE ACHSE FEDERHALTERUNG	CARCASSE ESSIEU
4511	2	SUPPORTO MOLLE	PIVOT SPRING SUPPORT	FEDERHALTERUNG	SUPPORT RESSORTS
4512	1	MOLLA	SPRING	\ FEDER	RESSORT
4513	2	VITE	SCREW	SCHRAUBE	VIS
4514		BOCCOLA	BUSH	HULSE	DOUILLE
4518	1 1	COPERCHIO	COVER	ABDECKUNG KOLBEN KOMPLETT	COUVERCLE PISTON COMPLET
4520		PISTONE COMPLETO VITE	COMPLETE PISTON	SCHRAUBE	VIS
4525 4529	1 1	PROLUNGA MEDIA	MEDIUM EXTENSION	MITTLERES	RALLONGE MOYENNE
4529	1 '	FROLUNGA MEDIA	MEDIUM EXTENSION	VERLÄNGERUNGSSTÜCH	4
4530	1	PROLUNGA LUNGA	LONG EXTENSION	LANGES	RALLONGE LONGUE
1			1	VERLÄNGERUNGSSTUCK	1
4531	2	RONDELLA	WASHER	SCHEIBE	RONDELLE
1001		MONDELLA	TINOTILIN	JOHELDE	TO TO LELL

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13 14 60 152 171 593 1326 1327 1328 1329 1330 1331 1332 1333 1334 1335 1336	1121111111111111	RACCORDO SFERA RONDELLA GUARNIZIONE GUARNIZIONE SFERA MOLLA ANELLO SEEGER COPERCHIO GUARNIZIONE CILINDRO GUARNIZIONE STANTUFFO ALLUMINIO MOLLA CORPO VALVOLA RACCORDO MOLLA SPINA DI FERMO RACCORDO	PIPE FITTING BALL WASHER PACKING PACKING BALL SPRING SEEGER RING COVER PACKING CYLINDER PACKING ALUMINIUM PISTON SPRING VALVE CASING PIPE FITTING SPRING	VERBINDUNGSSTUCK KUGEL SCHEIBE DICHTUNG DICHTUNG KUGEL FEDER SEEGERRING ABDECKUNG DICHTUNG ZYLINDER DICHTUNG ALLUMINIUMKOLBEN FEDER PUMPENGEHAUSE VERBINDUNGSSTUCK FEDER FESTSTELLSTECKER	RACCORD BILLE RONDELLE BAGUE D'ETANCHEITE BAGUE D'ETANCHEITE BILLE RESSORT BAGUE SEEGER COUVERCLE BAGUE D'ETANCHEITE CYLINDRE BAGUE D'ETANCHEITE PISTON ALUMINIUN RESSORT CORPS SOUPAPE RACCORD RESSORT GOUPILLE D'ARRET RACCORD

