



**WACKER
NEUSON**

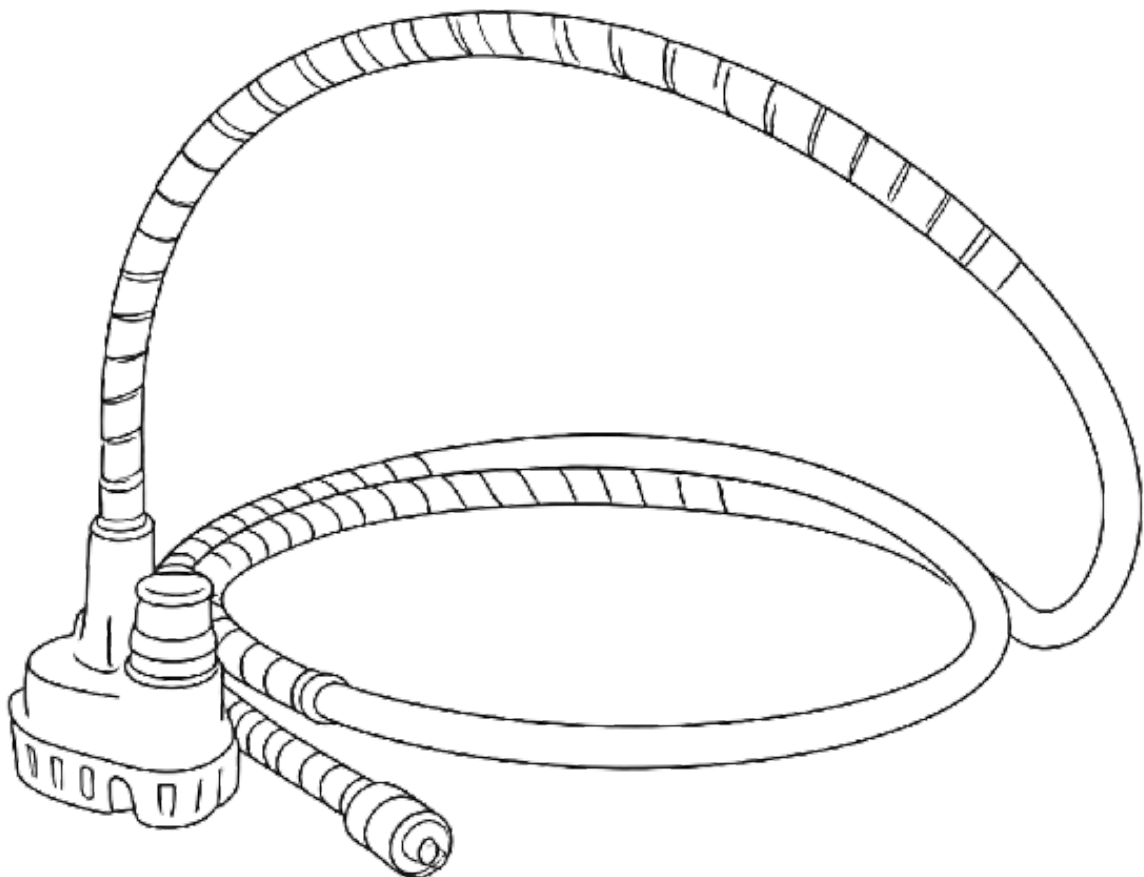
all it takes!

SP66/6

FLEXIBLE SHAFT

SUBMERSIBLE PUMP PREMIUM

OPERATOR MANUAL & SPARE PARTS LIST



For your own safety and protection from physical injury, carefully read, understand and observe the safety instructions in this Operator's Manual.

Please operate and maintain your SP66/6 Flexible Shaft Submersible Pump Premium in accordance with the instructions in this Operator's Manual. Your willingness to follow these instructions will be rewarded with trouble-free operation of the equipment.

Defective machine parts are to be replaced as soon as possible. You will find the spare part you need and the relevant part number in the chapters "Spare Parts" in this Operator's Manual.

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HAZARD IDENTIFICATION, RISK ASSESSMENT AND CONTROL

COMPANY: WACKER NEUSON PTY LTD
PLANT/EQUIPMENT: MOTORISED DRIVE UNIT FOR FLEXIBLE SHAFT SUBMERSIBLE PUMP AND INTERNAL VIBRATORS
PLANT/TASK DESCRIBED: PUMPING OF WATER WITH OR WITHOUT SOLIDS, VIBRATING CONCRETE

OPERATING SAFETY

Familiarity and proper training are required for the safe operation of equipment!
 Equipment operated improperly or by untrained personnel can be dangerous! Read operating instructions and Safety Guidelines to familiarise yourself with the location and proper use of all instruments and controls. **WEAR APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT AT ALL TIMES!**

HAZARD IDENTIFICATION	RISK ASSESSMENT	PRACTICABILITY (It is practicable to remove or mitigate the hazard or risk?)		RISK CONTROL
		YES	NO - Why not?	
INJURY DUE TO: BURNS ON EXHAUST PROTECTION GUARD OR ENGINE COOLING FINS	MEDIUM RISK		ONLY EXPENSIVE AND IMPRACTICLE ENCLOSURES COULD MITIGATE THE RISK	<u>IMPRINT ON GUARD</u> DO NOT TOUCH EXHAUST GUARD OR ENGINE COOLING FINS! 
CONTACT WITH ROTATING COUPLING INSIDE BELL HOUSING	MEDIUM RISK	✓		NEVER OPERATE DRIVE UNIT WITHOUT PUMP CONNECTED! DO NOT PUSH FINGERS INTO BELL HOUSING OPENING! BELL HOUSING DESIGNED WITH LONG GUIDING SLEEVE TO AVOID ACCIDENTAL CONTACT BY FINGERS OF THE OPERATOR. ALWAYS SWITCH OFF ENGINE BEFORE CONNECTING OR DISCONNECTING FLEXIBLE SHAFT!
OPERATOR SLIPPING, TRIPPING, FALLING	MEDIUM RISK		ENVIRONMENT IN WHICH MACHINES ARE OPERATED CAN BE CONTROLLED BY THE SUPPLIER	BE CAREFUL WHEN PLACING DRIVE UNIT, PUMP AND DELIVERY HOSE INTO OPERATING POSITION OR OPERATE VIBRATOR!
LIFTING OF DRIVE UNIT	MEDIUM RISK	✓		DO NOT LIFT BY YOURSELF! PROTECTIVE FRAME ALLOWS SUFFICIENT NUMBER OF PERSONS TO LIFT MACHINE SAFELY.
LIFTING OF PUMP	LOW RISK	✓		DO NOT LIFT BY YOURSELF WHEN TRANSPORTING. USE ROPE ATTACHED TO LIFTING EYE PROVIDED TO LIFT PUMP BODY OUT OF TRENCH.

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HAZARD IDENTIFICATION	RISK ASSESSMENT	PRACTICABILITY (It is practicable to remove or mitigate the hazard or risk?)		RISK CONTROL
		YES	NO - Why not?	
INJURY DUE TO: INCORRECT STARTING OF DRIVE UNIT	LOW RISK			1. SEE OPERATING INSTRUCTION MANUAL! 2. WEAR P.P.E.!
PLANT TIPPING, ROLLING OVER	LOW RISK			PROTECTIVE FRAME ON SWIVEL DISH PROVIDES SECURE BASE. ALWAYS BE SURE MACHINE IS PLACED IN SECURE POSITION!
EXPLOSION OF FIRE	MEDIUM RISK	✓	WHEN REFUELING MACHINE, FLAMMABLE LIQUIDS ARE EXPOSED AND VAPOURS ARE PRESENT, WHICH CANNOT BE AVOIDED.	ALWAYS USE APPROPRIATE CARE WHEN HANDLING PETROL OR DIESEL AND READ INSTRUCTION MANUAL!
PUMPING OF CORROSIVE CHEMICALS OR WATER CONTAINING TOXIC SUBSTANCES	MEDIUM RISK		WACKER PUMPS ARE DESIGNED TO PUMP WATER ONLY THERE IS NO TECHNICAL WAY TO REMOVE THIS HAZARE, AS THE SUPPLIER CANNOT CONTROL THE ACTIONS OF THE USER.	DO NOT PUMP FLAMMABLE LIQUIDS, FUELS, CORROSIVE CHEMICALS OR FLUIDS CONTAINING TOXIC SUBSTANCES. THESE FLUIDS CAN CREATE POTENTIALLY DANGEROUS HEALTH AND ENVIRONMENTAL HAZARDS.
CONTACT WITH VIBRATING HEAD OF INTERNAL VIBRATOR	LOW RISK		HAZARD REMOVAL NOT POSSIBLE AS IT IS THE VIBRATORS PURPOSE TO REMOVE AIR FROM CONCRETE WITH VIBRATION.	DO NOT TOUCH OR HOLD VIBRATING HEAD OF INTERNAL VIBRATOR WHEN ENGINE IS RUNNING! WEAR P.P.E.!
SUFFOCATE OR SUFFER ILL HEALTH DUE TO: EXHAUST FUMES & FUEL VAPOURS, ESPECIALLY WHEN USED IN CONFINED SPACES	HIGH RISK		EXHAUST FUMES AND PETROL VAPOURS ARE UNAVOIDABLE	ALWAYS OPERATE & REFILL IN WELL VENTILATED AREAS ONLY!

WARNING

BEFORE OPERATING THE SP66/6 FLEXIBLE SHAFT SUBMERSIBLE PUMP PREMIUM UNIT

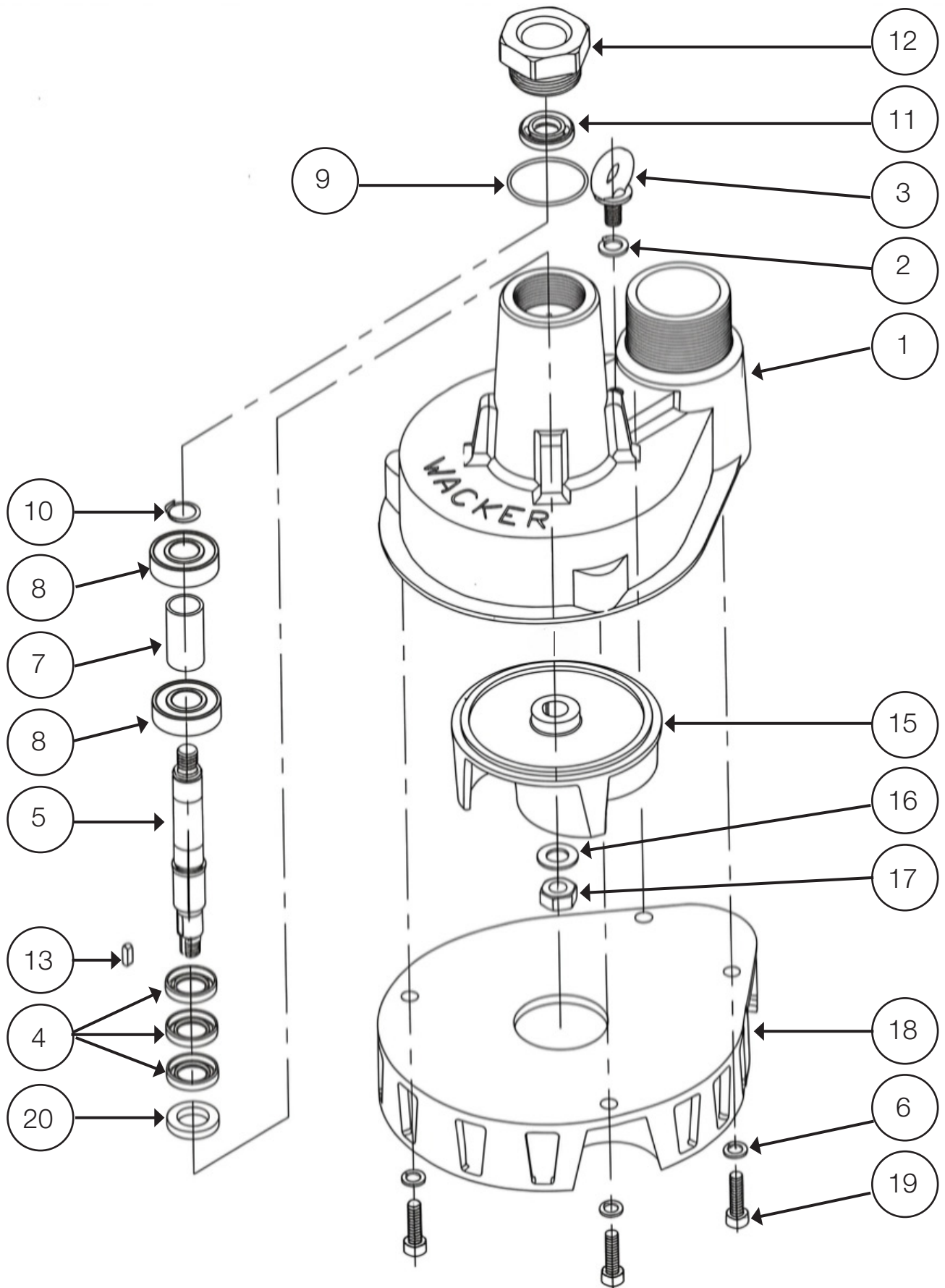
**THE YELLOW SLIDING SPIRAL
PROTECTIVE SPIRAL MUST BE
POSITIONED OVER THE EDGE OF
THE HOLE OR TRENCH TO PREVENT
AGAINST PREMATURE DAMAGE TO
THE FLEXSHAFT.**

TECHNICAL DATA FOR SUBMERSIBLE PUMP

TECHNICAL DATA SP66	
Capacity in litres per hour	66,000 at 2,800 RPM
Discharge outlet	50 mm / 2 inch
Solid size	Up to 15 mm
Flexible shaft length	6 m
Revolutions per minute	2,800

MAINTENANCE

1. The flexible inner core must be re-greased with SHELL RETINAX AM / or equivalent every 150 hours of working time.

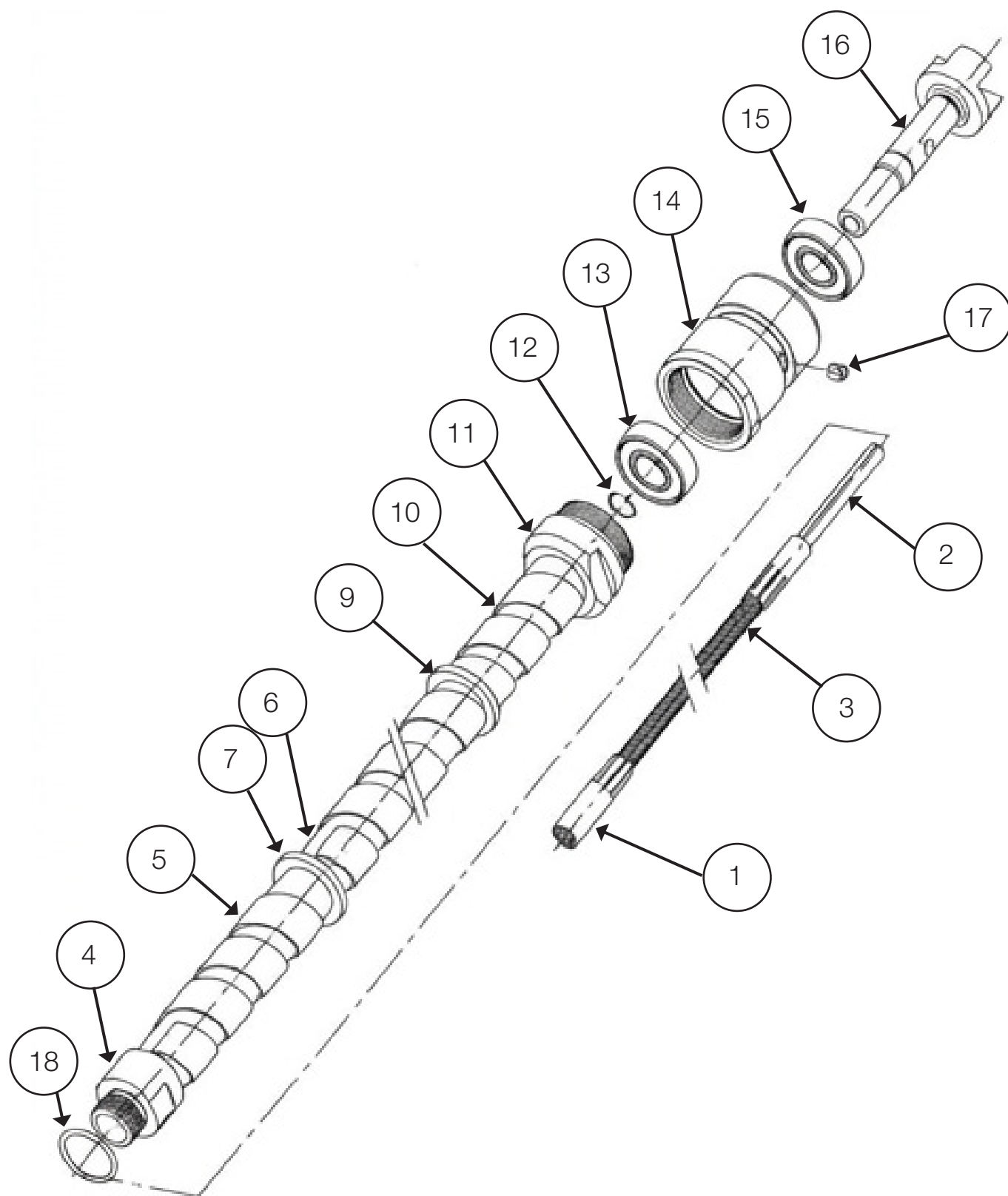


SPARE PARTS LIST: PUMP HEAD SP66

REF	PART NO.	DESCRIPTION	QTY
	6100038511	Pump body complete	
1	6100038487	Housing	1
2	5000010644	Spring washer	1
3	6100038963	Eye bolt	1
4*	6100039586	Seal	3
5*	6100039586	Shaft	1
6	5000012397	Spring washer	4
7*	6100039586	Spacer	1
8*	6100039586	Bearing	2
9*	6100039586	O-ring	1
10*	6100039586	Circlip	1
11*	6100039586	Seal	1
12	6100038841	Connecting piece	1
13*	6100039586	Key	1
15	6100038428	Impeller	1
16*	6100039586	Washer	1
17*	6100039586	Nut	1
18	6100037773	Strainer	1
19	5000051543	Screw	4
20*	6100039586	Washer	1
*	6100035499	Camlock	1 (Not shown)
*	6100039586	Pump head repair kit	(Not shown)

NOTE:

Parts with asterix (*) are contained in the Pump head repair kit (6100039586)



SPARE PARTS LIST: FLEXIBLE SHAFT - SP66

REF	PART NO.	DESCRIPTION	QTY
	6100038764	Shaft assembly complete 6m 3 point coupling	
1	5000046530	Connecting piece	1
2	5000046530	Connecting pin	1
3	5000046530	Inner core assembly 6m (comes with Ref 1 & 2 fitted)	1
4*	6100038764	Hose connection	1
5*	6100038764	Protective spiral	1
6*	6100038764	Outer casinwg assembly 5m	1
7*	6100038764	Rubber slide ring	1
8*	6100038764	Rubber slide ring	1
9*	6100038764	Protective spiral	1
10*	6100038764	Hose connection	1
11*	5000023350	Circlip	1
12	5002004768	Bearing	1
13	5000046472	Coupling sleeve	1
14	5002004768	Bearing	1
15	5000032581	Coupling 3 point	1
16	5000017787	Roll pin	1
17	5002004330	O-ring	1

NOTE:

Parts with asterix (*) are contained in the Shaft assembly complete 6m 3 point coupling (6100038764)