SEDGBEER

AT THE FOREFRONT OF **POULTRY PROCESSING**

BAYLE MP11
SET-UP, MAINTENANCE AND SPARES

The demand for a high quality product has led processors to look for equipment that will process their product to the high standard demanded by the consumer. We believe that the Bayle MP11 dry plucking machine meets that criteria giving a high quality finish on all birds from quail through to stag turkeys.

The MP11 gives greater effciency, whilst retaining quality of finish. Fitted with 11 discs it is at least 30% faster than a comparable 7-disc machine. These machines are now widely used throughout the game industry and the production of duck, geese and Traditional Farm Fresh Turkeys. The machine also lends itself to the farmer producing small numbers of premium quality poultry.

It has advantages over the wet plucking of a small number of birds.

There is not the long wait for water to heat up and the constant attention to temperature control. More importantly there is an improved shelf life for all types of dry-plucked birds and a superior finish.

FEATURES

- 0.55kw motor to drive discs
  1.55kw motor to drive fan
- W 720 x H 1300 x D 1060 mm
- 240v single phase or 380/415v three phase



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SET-UP OVERVIEW

1. Before plugging the machine into the mains ensure that the voltage marked on the terminal box of the suction fan motor matches your mains service.
2. Connect the OUTLET PIPE (1091) to the suction fan outlet and fit a hessian sack over the opening.
3. After plugging the machine into the mains ensure the discs rotate in the same direction as the arrow on the plucker unit door.

Plucking

The MP11 has improved efficiency, which requires some practice and care with plucking of the first birds. The suction can be regulated by means of the flap.

MAINTENANCE OVERVIEW

Suction fan

Daily - remove the connection collar (2387M), remove the inspection cover (PVCBFS90) and clean the fan blades and body.

Head - Plunger

Daily - remove any feathers that may have become caught between the yoke (2321) and the roller (2327) and grease the roller.

Weekly - undo the nut & screw (4748) and remove the plunger. Clean the sleeve (2326) and the roller and yoke with light oil such as WD40 to remove deposits and prevent clogging. Before reassembling lightly smear grease around the inside of the plunger sleeve.

Fortnightly – change the spring (2323) before reassembling the plunger.

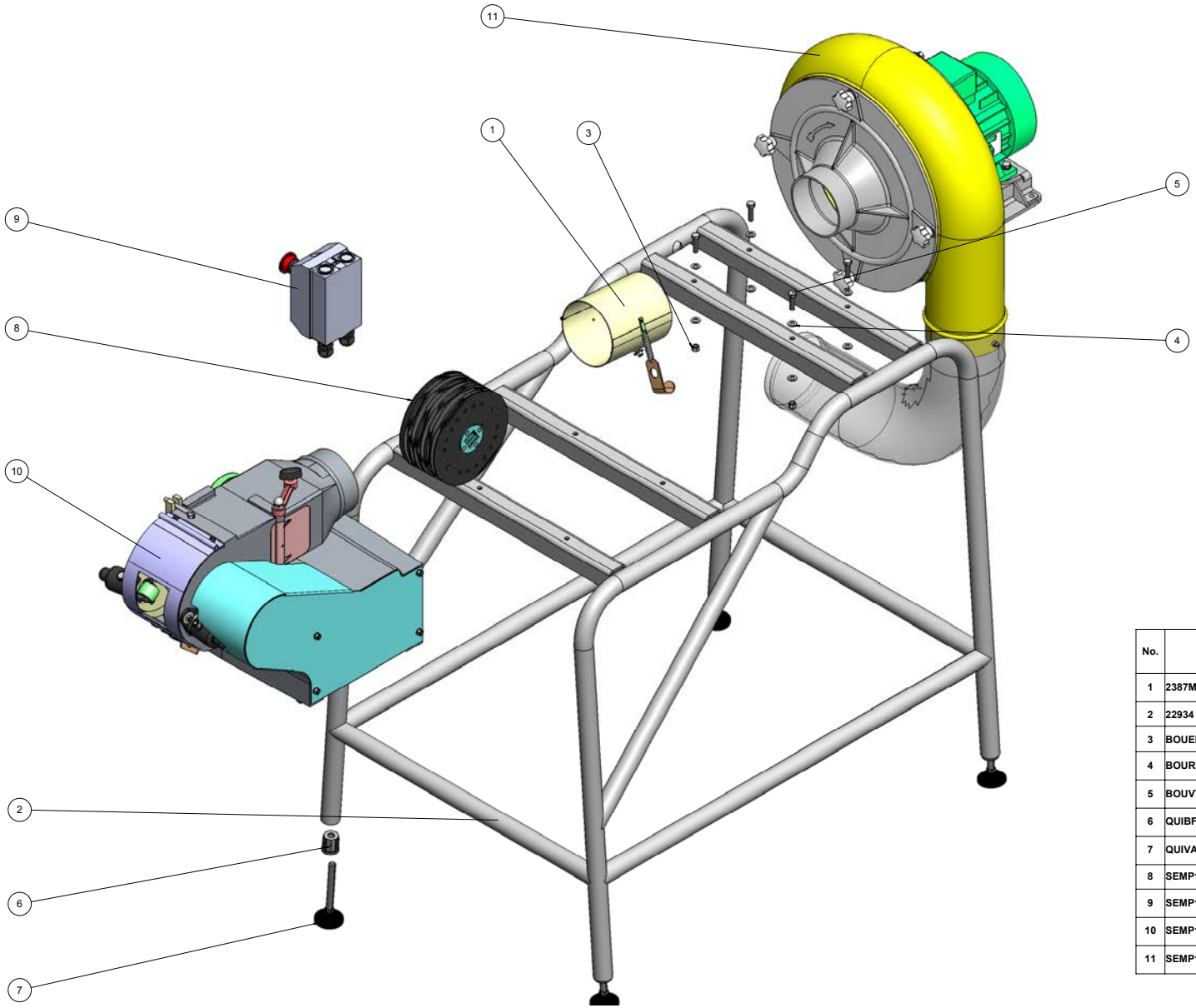
!! DO NOT OVERTIGHTEN THE NUT, AS THIS WILL CAUSE THE ROLLER YOKE TO BECOME CLAMPED INSIDE THE SLEEVE AND PREVENT IT FROM MOVING FREELY !!

Head - Discs

Daily - remove and clean the discs. Before replacing, grease all four sides of the square spindle (2350). Ensure the discs are put back in the correct order starting with no.1 and that the disc numbers are located in the same position on the spindle.

Fault Finding

- The discs may become loose due to wear on the buttons. Remove the plunger unit and remove one washer from each side.
- If the rollers fail to rotate, clean them as detailed above.
- If the plungers malfunction, change the springs as detailed above.



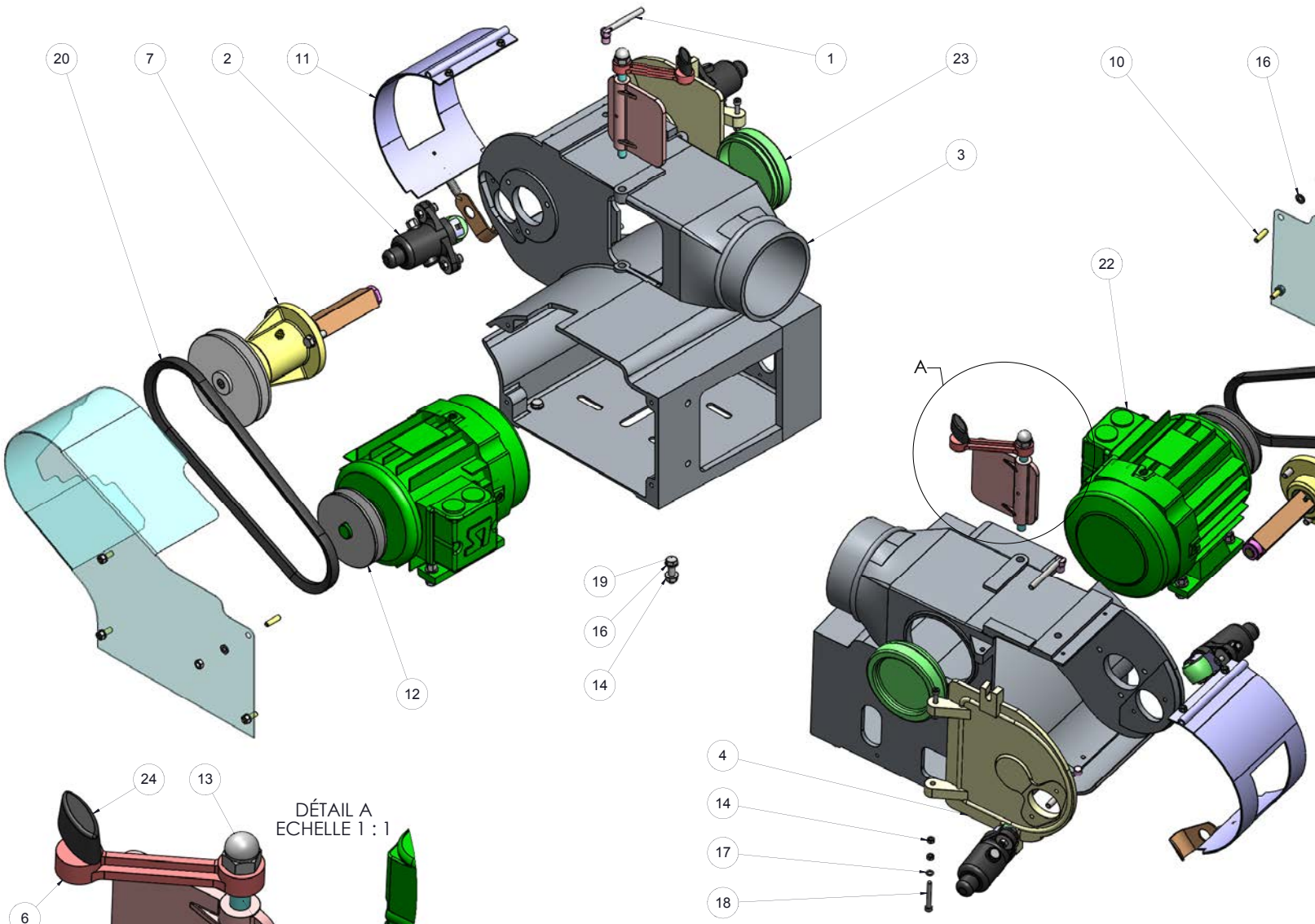
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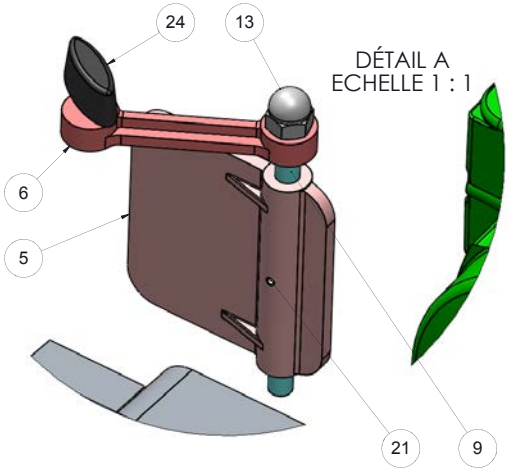
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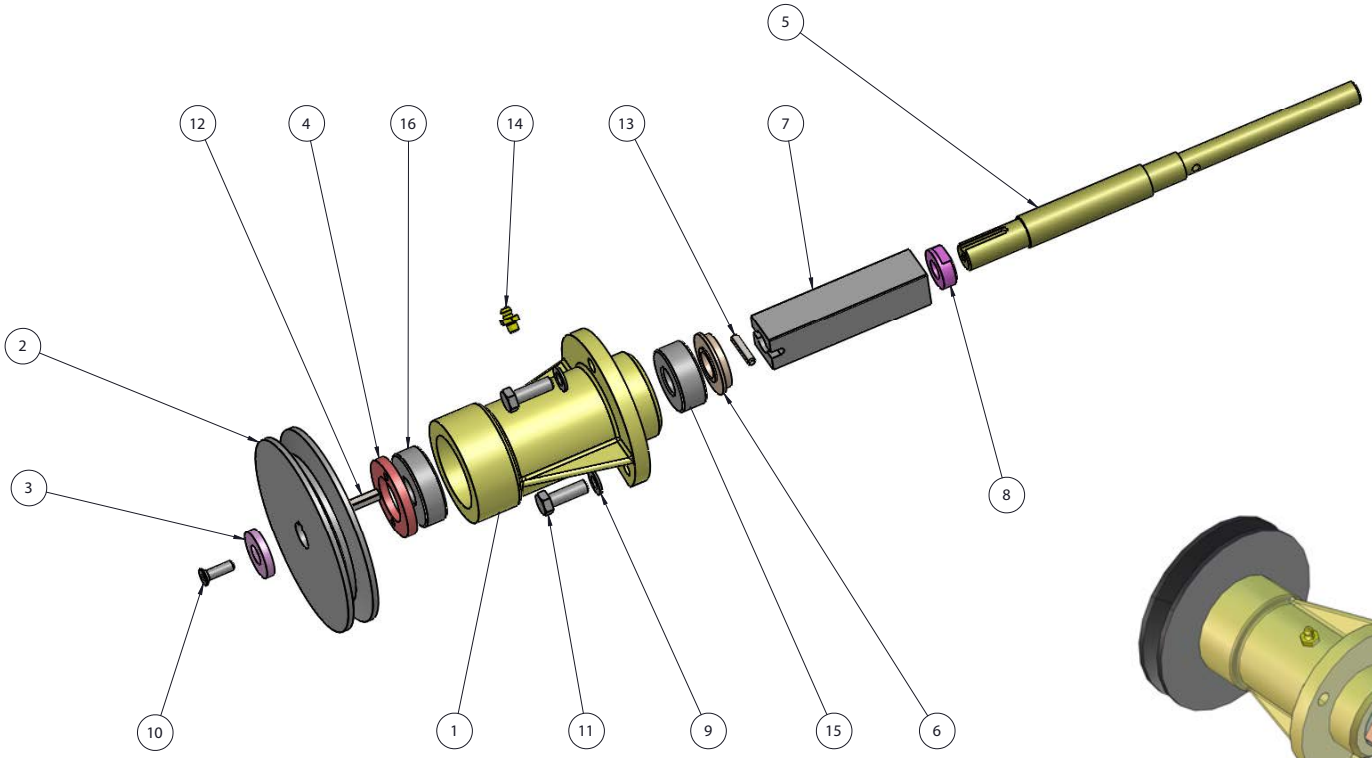
No.	CODE	IND	DESCRIPTION	QTE
1	2387M	-	Connection collar	1
2	22934	-	Chassis assembly MP11	1
3	BOUEIHM8	-	M8 nut	4
4	BOURPIM8	-	Stainless steel flat washer M8	8
5	BOUVTH0830	20170214	Hexagonal head screw TH M8-30 Stainless steel	4
6	QUIBFR30M12	-	Fixed plug with M12 tapped hole for Ø30x1 round tube	4
7	QUIVARTZ1250	-	Articulated cylinder ø50 zinc-plated axis M12 ref 176105 ACC	4
8	SEMP11/3	-	Set of 11 discs	1
9	SEMP11/8	-	Complete 380V electric control kit	1
10	SEMP11T/1	-	Complete plucker block	1
11	SEMP11T/2	-	Three-phase MP11 turbine sub-assembly	1

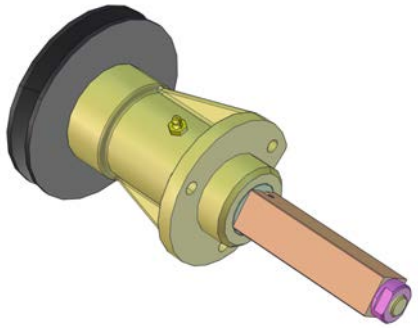




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No.	CODE	IND	DESCRIPTION	QTE
1	1007	1	Hinged stud bolt SD-MP11	2
2	2320	-	Plunger complete	2
3	2337	7	Plucker unit unequipped MP11	1
4	2338	1	Plucker unit door MP11	1
5	2339	-	Regulating valve	1
6	2340	-	Maneuvering rod	1
7	2343	-	Support complete	1
8	2353	4	Belt guard	1
9	2355	2	Adjustment valve shaft	1
10	2356	-	Belt guard stud bolt	5
11	2386	-	Disc cover with spring hook	1
12	13199	-	Plucker unit drive pulley	1
13	BOUEBIM10	-	M10 stainless steel cap nut	1
14	BOUEHM8	-	Hexagonal nut M8 stainless steel	14
15	BOUEIHM6	-	M6 nut	5
16	BOURPIM6	-	M6 stainless steel flat washer	23
17	BOURPIZ5	-	Z5 stainless steel flat washer	2
18	BOUVCHC540	20160927	CHC M5-40 stainless steel screw	2
19	BOUVTH0830	20170214	Hexagonal head screw TH M8-30 Stainless steel	8
20	CORT0810SPA	-	V-Belt 13x8	1
21	GOUEI420	20141016	Spring pin ø4x20 stainless steel	1
22	MOTT0551500B3	-	Motor 3-ph 80, 0,55Kw - 1500tr/min - B3	1
23	PVCBFT100	-	Plug type FT100	1
24	QUIVP825	-	Butterfly screw	1

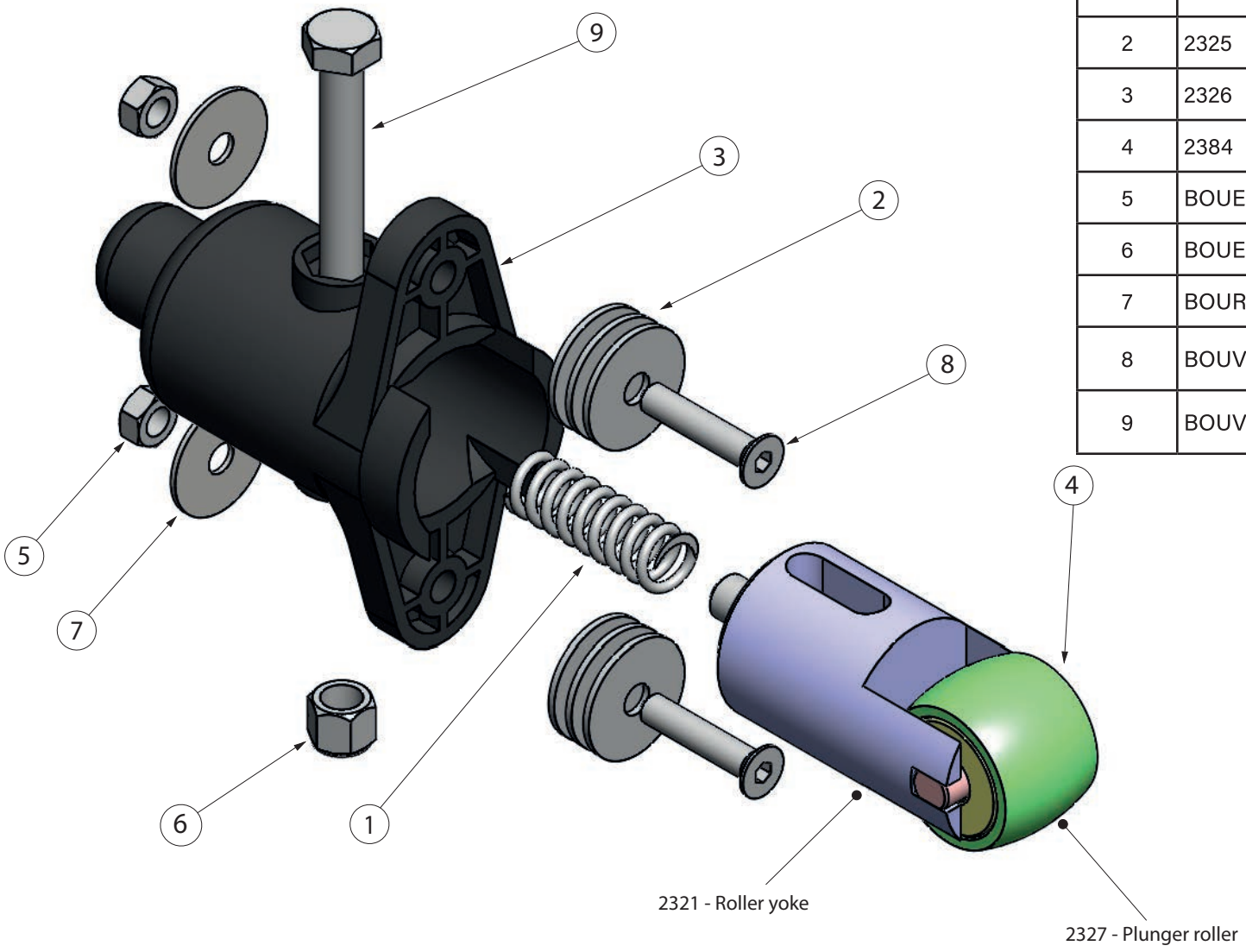




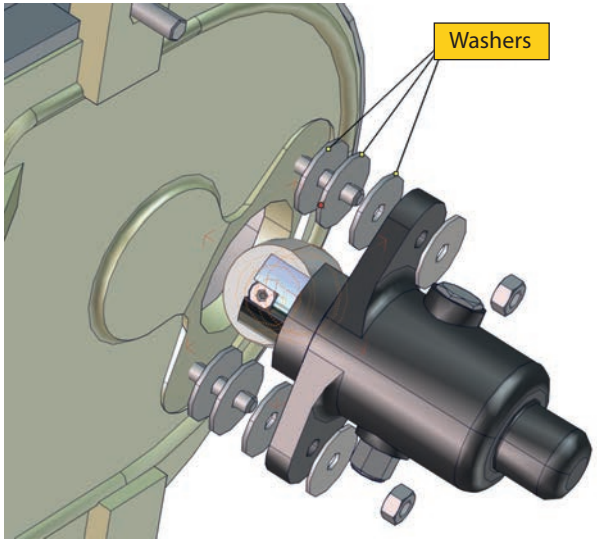
No.	PART REF	IND	DESCRIPTION	QTE
1	2344	-	MP11 Support - unequipped	1
2	2345	1	MP11 Support - pulley	1
3	2346	-	MP11 Pulley locking plate	1
4	2347	-	MP11 support - threaded ring	1
5	2348	-	MP11 round shaft	1
6	2349	-	Support spacer	1
7	2350	2	Square shaft	1
8	2351	-	Lock nut	1
9	BOURPIM8	-	M8 stainless steel ¨at washer	3
10	BOUVFHC620	-	Countersunk screw FHC M6-20 Stainless steel	1
11	BOUVTH0825	20170214	Hexagonal head screw TH M8-25 Stainless steel	3
12	CLAB5520	20150421	Parallel key form B 5x5mm lg20mm	1
13	GOUEI525	20141016	Spring pin ø5x25 stainless steel	1
14	GRADM6I	20150605	Straight grease nipple M6	1
15	RLT42032RS	20160222	Double row radial contact ball bearing 17x40x16	1
16	RLT63032RS	20150309	Ball bearing with 2 seals 6303 2RS 17.47.14	1

Support complete ref 2343

Round shaft, square shaft & bearings ref 2385
(No.5, No.6, No.7, No.8, No.13, No.15 & No.16)



REF NO	PART NO	IND	DESCRIPTION	QTE
1	2323		Plunger spring	1
2	2325		Plunger support washer	6
3	2326	2	Plunger sleeve	1
4	2384		Plunger roller on a yoke	1
5	BOUEHM6		M6 Hex Nut	2
6	BOUEIHM8		M8 Nut	1
7	BOURPILL6		Stainless steel flat washer	2
8	BOUVFHC630		Countersunk screw M6 Stainless steel	2
9	BOUVTH0855	20170214	Hexagonal head screw M8 Stainless steel	1



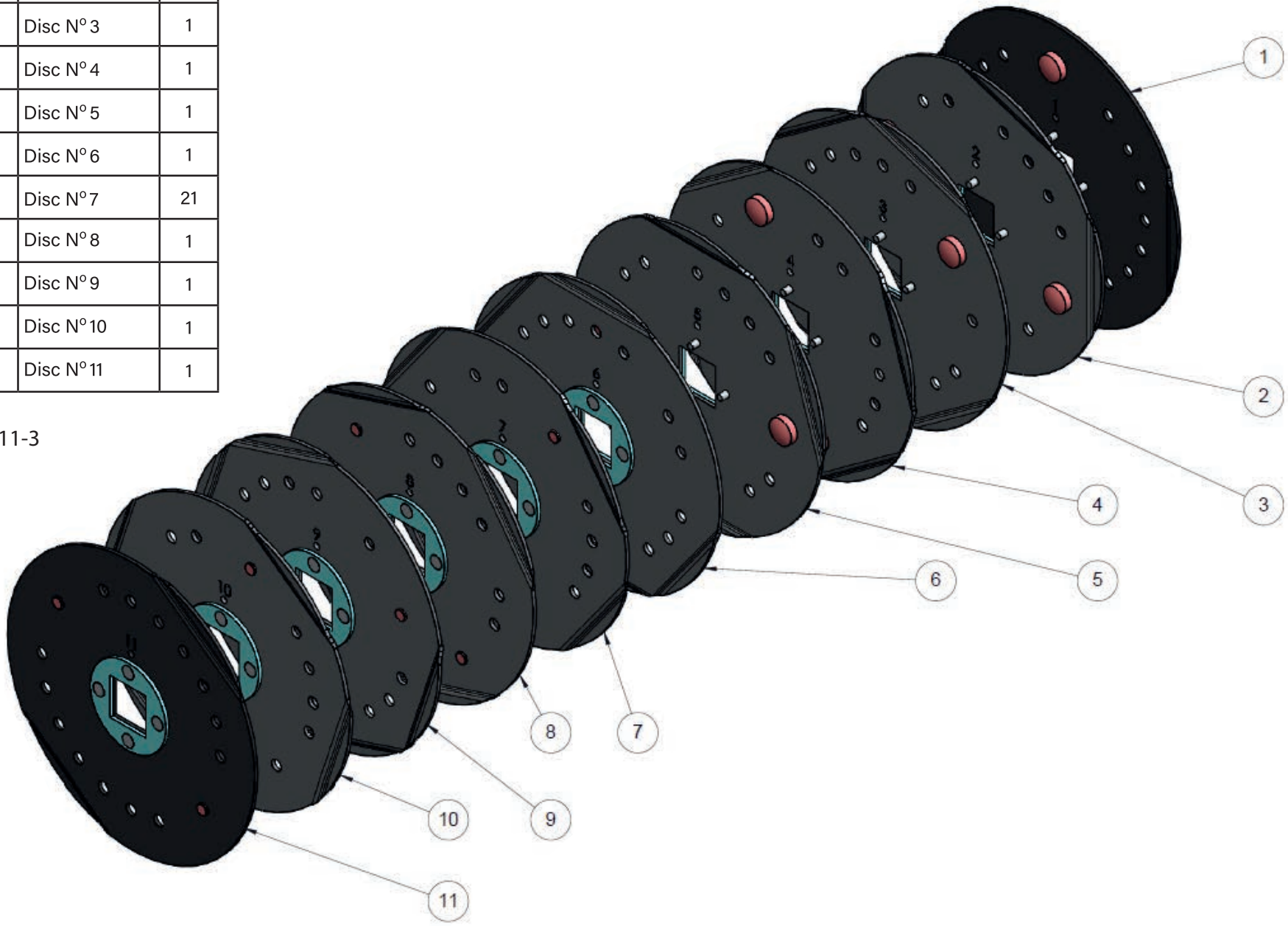
When replacing the plunger or the spring, put the 3 washers back in place.

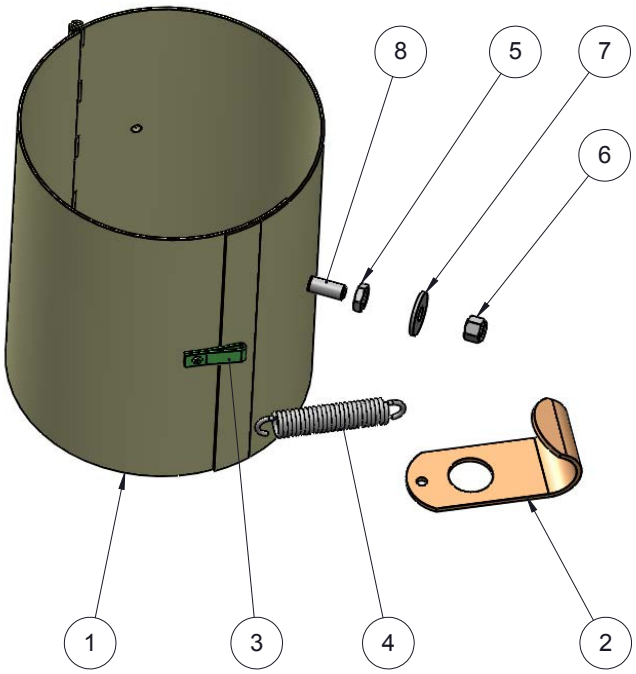
Note: As the discs and the plunger spring wear, remove the washers one by one, (Ref 2), located between the plucker unit and the plunger.
Remove the washer as soon as the disc set has too much lateral movement or if the disc cover is rubbed by the discs.

REF NO	PART NO	IND	DESCRIPTION	QTE
1	2309/11	-	Disc N°1	1
2	2310/11	-	Disc N°2	1
3	2311/11	-	Disc N°3	1
4	2312/11	-	Disc N°4	1
5	2313/11	-	Disc N°5	1
6	2314/11	-	Disc N°6	1
7	2315/11	-	Disc N°7	21
8	2316/11	-	Disc N°8	1
9	2317/11	-	Disc N°9	1
10	2318/11	-	Disc N°10	1
11	2319/11	-	Disc N°11	1

Set of 11 Discs - SEMP11-3

The disc set mounts from number 1 to number 11, the numbers should all line up in the same place and the operator should be able to read them





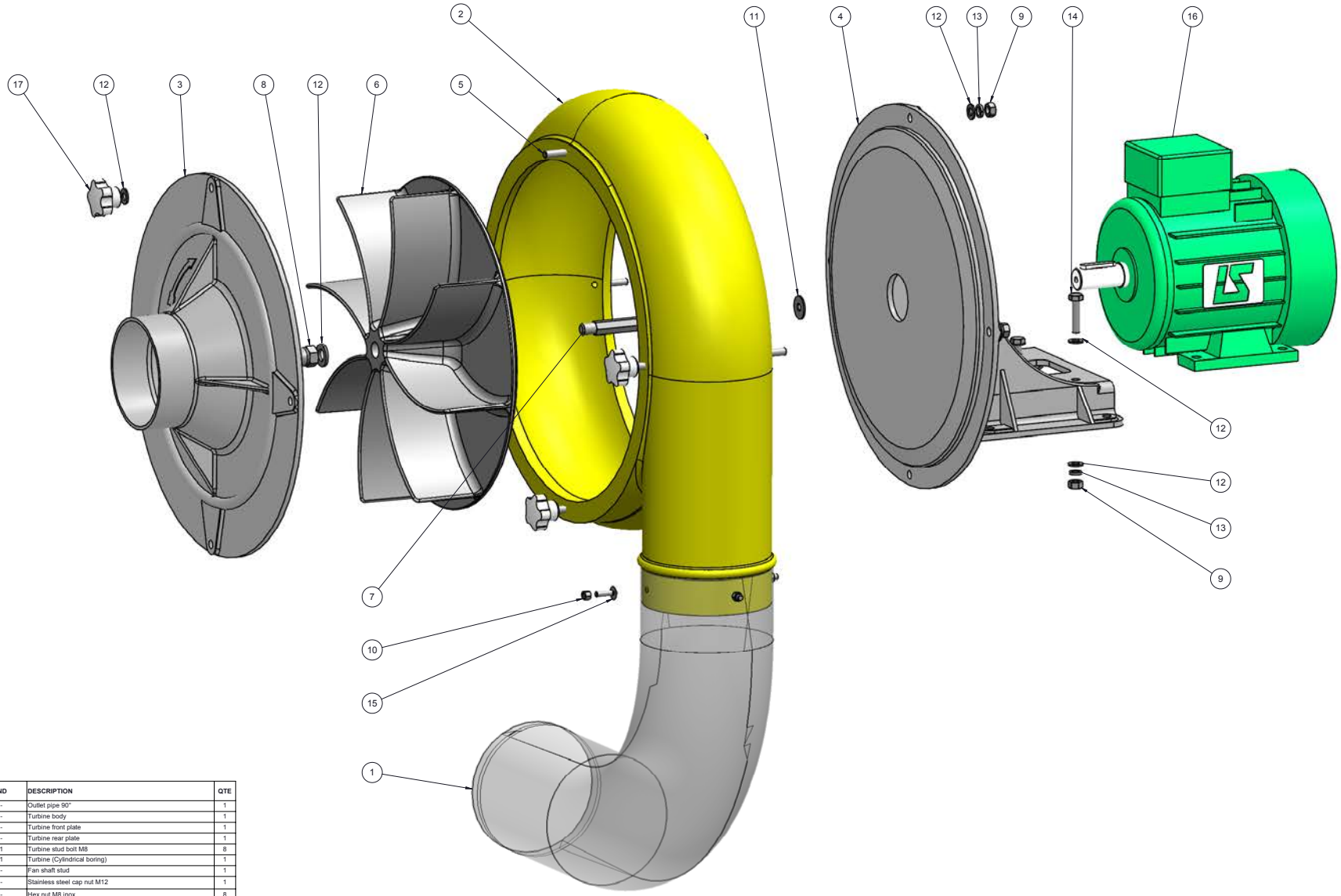
No.	PART REF	IND	DESCRIPTION	QTE
1	2387	-	Connection collar	1
2	16089	-	Connection collar hook	1
3	16090	-	Spring cage	1
4	16091	-	Connection collar spring	1
5	BOUEHBM6	-	M6 nut	1
6	BOUEIHM6	-	M6 nut	1
7	BOURPIL6	-	Stainless steel flat washer L6	1
8	BOUVTP0616	-	Pan head screw M6x16	1

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No.	PART REF	IND	DESCRIPTION	QTE
1	1091	-	Outlet pipe 90°	1
2	2336	-	Turbine body	1
3	2341	-	Turbine front plate	1
4	2342	-	Turbine rear plate	1
5	2352	1	Turbine stud bolt M8	8
6	10516	1	Turbine (Cylindrical boring)	1
7	10517	-	Fan shaft stud	1
8	BOUEBIM12	-	Stainless steel cap nut M12	1
9	BOUEHM8	-	Hex nut M8 inox	8
10	BOUEIHM6	-	Nut H M6	4
11	BOURPIL8	-	Stainless steel flat washer L8	1
12	BOURPIM8	-	M8 stainless steel flat washer	17
13	BOURW8	20160927	Washer W Ø 8	8
14	BOUVTH0835	20170214	Hexagonal head screw TH M8-35 Stainless steel	4
15	BOUVTP0620	-	Pan head screw M6x20	4
16	MOTT153000B3	-	3 p-hf an motor 1,5 Kw - 3000 rpm - B3	1
17	QUIBETM8	-	M8 threaded bakelite star button	4