



Staalmeester 

OPERATOR'S MANUAL
OPERATEURSHANDLEIDING

6116/18 HAMMER MILL
HAMERMEUL

CONTENTS

DISCLAIMER	1
WARNING	
OPERATION INSTRUCTIONS	
OPERATION	3
REPLACEMENT OF THE SIEVE	
HAMMERS	
MISCELLANEOUS	4

INHOUD

VRYWARING
WAARSKUWING
BEDRYFSINSTRUKSIES
WERKING
VERVANGING VAN DIE SIF
HAMERS
ALLERLEI

DISCLAIMER

The following is made in lieu of all warranties, express or implied; sellers and manufacturer's only obligation shall be to replace such product proved to be defective.

Neither seller nor manufacturer shall be liable for any injury, loss, or damage, direct or consequential, arising out of the use or the inability to use the product.

Before using, user shall determine the suitability of the product for his intended use, and user assumes all risk and liability whatsoever in connection therewith.

No statement or recommendation not contained herein shall have any force or effect unless an agreement signed by officers of seller and manufacturer.

Accepting delivery of the product, the user agrees to bind himself to the above.

WARNING

Personal injury may result if the following safety precautions are not observed:

- Do not operate the machine until the instruction manual has been read.
- Be sure the machine is connected to building electrical safety ground (earthed).
- Be sure power is off before performing machine maintenance or cleaning.
- Do not operate machine with guards removed.
- Do not operate the machine in a manner for which not intended.

The Staalmeester 6116/18 Hammer Mill is designed for the milling and grinding of a variety of products, to almost any desired particle size, as determined by the selection of sieve. Incorporated into the design of the 6116/18, are several safety features, including a casing that will safely contain the rotating parts in the event of a catastrophic failure of the hammers or any other rotating parts.

OPERATION INSTRUCTIONS

MODERN HAMMER MILLS, such as the 6116/18 are very versatile milling machines and may be used for a variety of milling and grinding applications.

VRYWARING

Die volgende word gemaak in plaas van alle waarborge, uitdruklik of geïmpliseer; verkopers en vervaardigers se enigste verpligting is om sodanige produk te vervang as daar bewys kan word dat dit foutief is.

Nóg verkoper nóg vervaardiger sal aanspreeklik wees vir enige besering, verlies of skade, direk of gevolglik, wat voortspruit uit die gebruik of die onvermoë om die produk te gebruik.

Voor gebruik moet gebruiker die geskiktheid van die produk vir sy voorgename gebruik bepaal, en gebruiker aanvaar alle risiko en aanspreeklikheid hoegenaamd in verband daarmee.

Geen verklaring of aanbeveling wat nie hierin vervat is nie, sal enige krag of effek hê tensy 'n ooreenkoms onderteken is deur beaamptes verteenwoordigend van verkoper en vervaardiger nie.

Deur die lewering van die produk te aanvaar, stem die gebruiker in om homself tot bogenoemde te bind.

WAARSKUWING

Persoonlike besering kan ontstaan as die volgende veiligheidsmaatreëls nie nagekom word nie:

- Moenie die masjien gebruik voordat die instruksiehandleiding gelees is nie.
- Maak seker die masjien is gekoppel aan die gebou se elektriese veiligheidsaarding.
- Maak seker dat krag af is voordat masjienonderhoud of skoonmaakwerk uitgevoer word.
- Moenie die masjien gebruik met die skerms verwyder nie.
- Moenie die masjien gebruik op 'n manier waarvoor dit nie bedoel is nie.

Die Staalmeester 6116/18 Hamermeul is ontwerp vir die maal van 'n verskeidenheid produkte, tot byna enige verlangde deeltjiegrootte, soos bepaal deur die keuse van die sif. In die ontwerp van die 6116/18 is verskeie kenmerke ingesluit, insluitend 'n omhulsel wat die roterende dele veilig sal bewaar in die geval van 'n katastrofiese mislukking van die hamers of enige ander roterende dele.

BEDRYFSINSTRUKSIES

MODERNE HAMERMEULENS, soos die 6116/18 is baie veelsydige maalmasjiene, en kan vir 'n verskeidenheid van maal- en slyptoepassings gebruik word.

The 6116/18 is designed for milling. Hammer mills contain parts that rotate at extremely high speed, and care must therefore be taken in the use and maintenance of such equipment. The product stream into the mill must be free of foreign bodies, and is usually controlled by means of a flap, or similar device.

Again, great care must be taken to keep the incoming product stream free of foreign bodies. Only product free of contamination and known origin should be milled.

OPERATION

The mill is powered by the tractor's P.T.O. Material can only be fed into the machine once the mill is running at full speed, 540 rpm. This will ensure that the mill is operating at its optimum capacity.

Overloading of the mill will cause a subsequent loss of capacity.

REPLACEMENT OF THE SIEVE

Milled product size is determined by size of sieve aperture used; a finer sieve will result in a finer product. The sieve is held in a basket assembly, which is clamped in position. Once the door is closed and secure with two wing nuts **NO ATTEMPT MUST BE MADE TO TRY AND OPERATE THE MILL WITH THE DOOR OPEN, THIS COULD LEAD TO SEVERE INJURY OR LOSS OF LIFE.**

Any steel sieve may be used, STAALMEESTER carries a wide variety of sizes in stock. The sieve is made in one part. It is held in place by a clamp with two bolts and nuts.

Only NYLOCK nuts are to be used to secure the sieve. The mounting nuts and the bolts must be checked for tightness periodically. The basket and sieve assembly are located on its mounting frame by means of positioning tabs, care must be taken to ensure the basket is fitted correctly between the tabs.

HAMMERS

The hammers are supplied in sets (8) and are made from steel, hardened to 45 Rockwell, to ensure safe operation and longevity. Only hammers supplied by STAALMEESTER must be used, as they are supplied in matching sets, and are balanced before being despatched.

Die 6116/18 is ontwerp vir maalwerk.

Hamermeulens beskik oor onderdele wat teen uiters hoë spoed roteer, en daarom moet sorg geneem word in die gebruik en instandhouding van sulke toerusting. Die produkstroom in die meule moet vry van vreemde voorwerpe wees, en word gewoonlik deur middel van 'n flap of soortgelyke toestel beheer.

Weereens moet groot sorg geneem word om die inkomende produkstroom vry van vreemde voorwerpe te hou. Slegs produkte wat vry van kontaminasie is, en van bekende oorsprong is, moet gemaal word.

WERKING

Die meule word aangedryf deur die trekker se P.T.O. Materiaal kan eers wanneer die meule op volle spoed, 540 rpm, loop, in die masjien ingevoer word. Dit sal verseker dat die meule op sy optimale kapasiteit werk.

'n Verlies aan kapasiteit sal voorkom indien die meule oorlaai word.

VERVANGING VAN DIE SIF

Gemaalde produk grootte word bepaal deur die grootte van die sif wat gebruik word; 'n fyner sif sal 'n fyner produk tot gevolg hê. Die sif word in 'n mandjie-samestelling gehou wat in posisie vasgeklem word. Sodra die deur gesluit en beveilig is met twee vlerkmoere **MOET GEEN POGING GEMAAK WORD OM DIE MEUL MET DIE DEUR OOP TE PROBEER BEDRYF NIE, DIT KAN TOT ERGE BESERING OF LEWENSVERLIES LEI.**

Enige staal sif mag gebruik word, STAALMEESTER het 'n wye verskeidenheid groottes in voorraad. Die sif is in een deel gemaak. Dit word in plek gehou deur 'n klamp met twee boute en moere.

Slegs NYLOCK-moere moet gebruik word om die sif vas te maak. Die monteermoere en die boute moet gereeld nagegaan word vir styfheid. Die mandjie en sif samestelling is op die monteerraam geplaas deur middel van posisioneringsoortjies, sorg moet gedra word om te verseker dat die mandjie korrek tussen die oortjies pas.

HAMERS

Die hamers word in stelle (8) verskaf en is gemaak van staal, gehard tot 45 Rockwell, om veilige werking en langdurigheid te verseker. Slegs hamers wat deur STAALMEESTER verskaf word, moet gebruik word, aangesien dit in ooreenstemmende stelle verskaf word, en gebalanseer word voor versending.

Hammers should always be replaced as a set, and new mounting nuts should be used each time. New mounting nuts are supplied with the hammers.

The hammers are drilled at both ends, and they may be turned around once they are eroded by use. Wear will only occur on the outer edges during use. Again, the mounting nuts should never be reused once opened.

The 6116/18 uses specially modified NYLOCK nuts to secure the hammer bolts in place, and replacement nuts are available from STAALMEESTER.

Under no circumstances should mild steel or other hammers be used, although the mill casing is designed to contain broken blades, severe damage will be done to the machine, and expensive repairs will be required.

The service life of the hammers depends on actual operating conditions, and the hammers should be inspected after the first 50 operating hours, and every 100 hours thereafter. When the hammers are noticeably eroded, or become unbalanced, they should be replaced as a complete set.

MISCELLANEOUS

The motor and bearing assemblies should be lubricated and requires regular maintenance. Spares and services are available from STAALMEESTER, or our designated agents. If in doubt, please do not hesitate to call. We are certain you will receive many years of trouble-free service from the Staalmeester 6116/18 hammer mill.

Hamers moet altyd as 'n stel vervang word, en nuwe monteermoere moet elke keer gebruik word. Nuwe monteermoere word saam met die hamers voorsien.

Die hamers word aan albei kante geboor, en hulle kan vervang word sodra hulle deur gebruik geërodeer word. Slytasie sal slegs aan die buitekante tydens gebruik voorkom. Weereens, die monteermoere moet nooit hergebruik word nadat dit oopgemaak is nie.

Die 6116/18 gebruik spesiaal aangepaste NYLOCK-moere om die hamerboute in plek te hou, en vervangingsmoere is by STAALMEESTER beskikbaar.

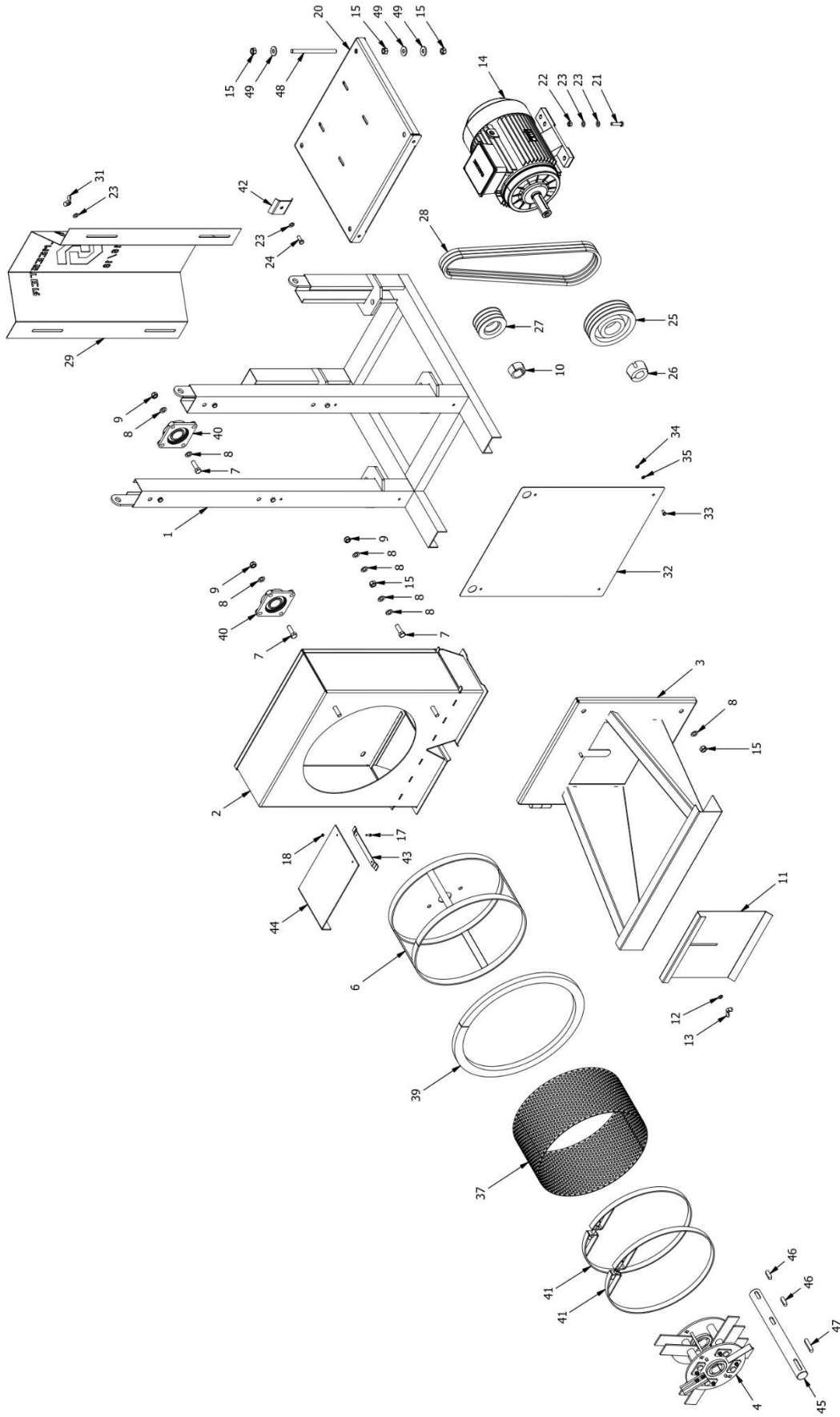
Onder geen omstandighede mag sagte staal of ander hamers gebruik word nie, alhoewel die meulomhulsel ontwerp is om gebreekte lemme te bevat, sal ernstige skade aan die masjien aangerig word, en duur herstelwerk sal nodig wees.

Die dienslewe van die hamers hang af van werklike bedryfstoele, en die hamers moet na die eerste 50 werksure, en elke 100 uur daarna, geïnspekteer word. Wanneer die hamers merkbaar geërodeer word, of ongebalanseerd raak, moet hulle as 'n volledige stel vervang word.

ALLERLEI

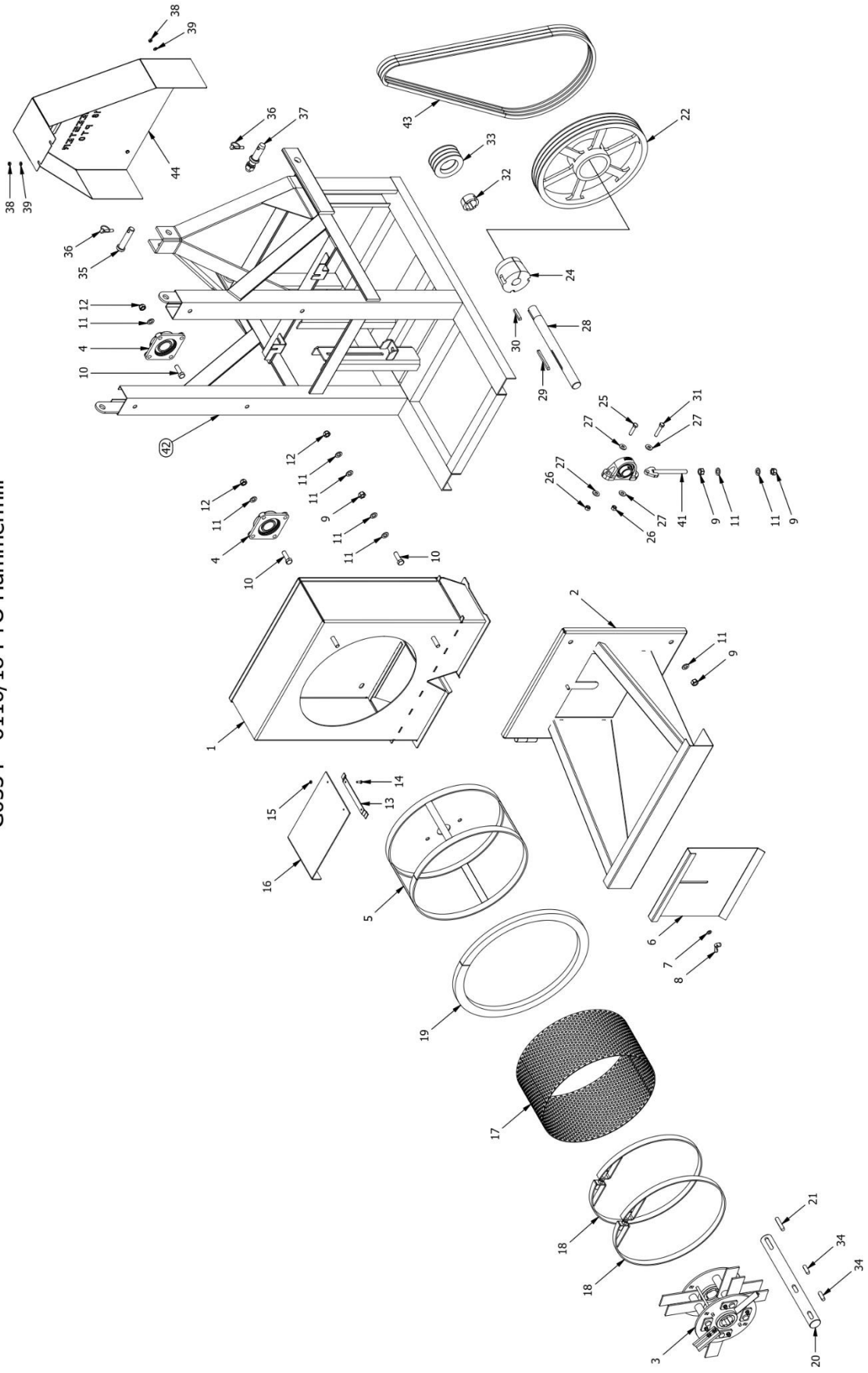
Die motor- en laersamestellings moet gesmeer word, en vereis gereelde instandhouding. Onderdele en dienste is beskikbaar by STAALMEESTER, of ons aangewese agente. As jy twyfel, moet asseblief nie huiwer om ons te skakel nie. Ons is seker jy sal baie jare se probleemvrye diens van die Staalmeester 6116/18 hamermeul geniet.

G0331 - 6116/18 Hammermill



PARTS LIST				PARTS LIST			
ITEM	PART NUMBER	DESCRIPTION	QTY	ITEM	PART NUMBER	DESCRIPTION	QTY
1	H03210	Frame G0331	1	26	M5250	Taperlock bush 2517-42	1
2	H03200	Box G0331	1	27	M5731	Pulley SPB 125-3V TL2012	1
3	H03245	Inlet Chute G0331	1	28	M3841	Belt SPB-1820	3
4	H03220	Rotor G0331	1	29	H03255	Cover rear G0331	1
6	H03240	Rotor Cage G0331	1	30	M412100	Bolt M12x100HT Galv	4
7	M41650	Bolt M16x50 HT Galv	12	31	M31201	Wing nut M12	4
8	M81602	Washer Flat M16x40x2	28	32	M03289	Profile 2.0 MS PLB0	1
9	M61616	Nut Nyloc M16 Galv	12	33	M40815	Bolt M8x16HT Galv	4
10	M5249	Taper-lock bush 2012-50	1	34	M31008	Nut M8 Galv	4
11	M03287	Profile 2.0 MS PLB3	1	35	M80803	Washer Flat M8 Galv	4
12	M81002	Washer Flat M10 Galv	1	37	H03285	Sieve Ring G0331	1
13	P911104	Wing nut M10	1	39	M03291	Foam extrusion 25x40	1
14	M03082	Motor Electric 11kW 4P 3Ph	1	40	M3303	Bearing UCF210	2
15	M31612	Nut M16 Galv	22	41	H03250	Lock Ring G0331	2
17	M40620	Bolt M6x20HT Galv	4	42	H03275	Baseplate Washer G0331	4
18	M30607	Nut M6 HT	4	43	M03288	Profile 3.0 MS PLB4	2
20	H03280	Baseplate Motor electric G0331	1	44	M03290	Profile 4.0 MS PLB1	2
21	M41250	Bolt M12x50HT Galv	4	45	H03260	Rotor Shaft G0331	1
22	M31209	Nut M12 Galv	4	46	H03270	Key 12x14x44mm G0331	2
23	M81202	Washer Flat M12 Galv	16	47	H03265	Key 12x14x69mm G0331	1
24	M41230	Bolt M12x30HT Galv	4	48	R6122-0010	Threaded Bar 16.0 M16	4
25	M5720	Pulley SPB 212-3V-2517	1	49	M9756	Washer 17x40x5.0 MS PLB0	16

G0334 - 61116/18 PTO Hammermill



PARTS LIST				PARTS LIST			
ITEM	PART NUMBER	DESCRIPTION	QTY	ITEM	PART NUMBER	DESCRIPTION	QTY
1	H03200	Box G0331	1	23	M3504	Bearing UCP 208	2
2	H03245	Inlet Chute G0331	1	24	M5276	Taperlock bush 3535-40	1
3	H03220	Rotor G0331	1	25	M41250	Bolt M12x50HT Galv	2
4	M3303	Bearing UCF210	2	26	M31209	Nut M12 Galv	4
5	H03240	Rotor Cage G0331	1	27	M8577	Washer profiled 12.5x30x4.5 Galv	8
6	M03287	Profile 2.0 MS PLB3	1	28	H03400	Input Shaft G0344	1
7	M81002	Washer Flat M10 Galv	1	29	H03410	Key 12x8x112mm G0344	1
8	P911104	Wing nut M10	1	30	H03415	Key 10x10x58mm G0344	1
9	M31612	Nut M16 Galv	10	31	M41260	Bolt M12x60HT Galv	2
10	M41650	Bolt M16x50 HT Galv	12	32	M5249	Taper-lock bush 2012-50	1
11	M81602	Washer Flat M16x40x2	30	33	M5731	Pulley SPB 125-3V TL2012	1
12	M61616	Nut Nyloc M16 Galv	12	34	H03270	Key 12x14x44mm G0331	2
13	M03288	Profile 3.0 MS PLB4	2	35	H0632	Pin Top link Cat2	1
14	M40620	Bolt M6x20HT Galv	4	36	FLP11	Lynchpin 11mm	3
15	M30607	Nut M6 HT	4	37	F5203	Implement pin Assy. Cat 2 60mm M22	2
16	M03290	Profile 4.0 MS PLB1	2	38	M31008	Nut M8 Galv	4
17	H03285	Sieve Ring G0331	1	39	M80803	Washer Flat M8 Galv	4
18	H03250	Lock Ring G0331	2	41	H03430	Tensioner rod M16xD13x175	2
19	M03291	Foam extrusion 25x40	1	42	H03295	Frame G0334	1
20	H03260	Rotor Shaft G0331	1	43	M3851	Belt SPB-1820	3
21	H03265	Key 12x14x69mm G0331	1	44	H03296	Rear Cover G0344	1
22	M5732	Pulley SPB 500-3V-3535	1				