

COMET[®]

WINDMILL & WATER PRODUCTS

2016

CUSTOMER

PRICE CATALOGUE

valid August 2016

- Windmills
- Tank Stands
- Pumps
- Troughs



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TABLE OF CONTENTS

1. Warranty.....	3
2. Pump Table.....	4
3. Selection Guide.....	6-7
4. C & D Pattern Windmills... ..	8
5. Windmill Pumps... ..	10
6. Packing Tubes... ..	11
7. Pump Buckets.	12
8. Tank Stands.....	13
9. Floats.....	14
10. Wheel Assembly... ..	15
11. Overhaul Kits C Pattern.....	16
12. Parts Illustration C Pattern.....	17-18
13. Overhaul Kits D Pattern	19
14. Parts Illustration D Pattern.	20-26
15. PolyPro Borehole System.....	27-30
16. Mill Rods & Connections.....	31
17. Pump Rods & Connections... ..	31-33
18. Clamps... ..	34

Disclaimer: Prices quoted are exclusive of GST and Freight.

Prices are correct at the time of printing but are subject to change without notice. Comet Windmills Australia will endeavour to send out new price sheets of products that change in price to include in your pricebook. If you are unsure or if you require large quantities we are more than happy to provide a special quote for your needs.

1 YEAR WARRANTY

COMET®
WINDMILL PRODUCTS

GUARANTEE AND WARRANTY TERMS

COMET WINDMILLS—ONE (1) YEAR

This conditional guarantee is valid only if the following details are adhered to. All parts received are to be checked off and accounted for within 7 days of receipt. Any claims for missing or damaged parts are to be notified within 7 days. Accounts are to be paid in full within 30 days from the date of the Tax Invoice supplied from Comet unless otherwise negotiated. Comet Windmills Australia is not responsible for the erection or installation of the mill, bore, pump or spare parts. The company manufactures and supplies genuine Comet Parts only. Comet will recommend an installer or mechanic only, but it is the responsibility of the Buyer to make the arrangements, pay for costs involved with erection/installation and ensure products are erected in accordance with manufacturers instructions. Comet Products are supplied based on the information given. The Buyer must also ensure that the manufacturers instructions are followed and that the parts are stored in a manner that will not cause the parts to rust, erode, wear or be damaged if not erected when received. This guarantee will be voided if non-Genuine parts have been used or any alterations, modifications, welding or machining has been done to original parts or on parts used to replace genuine parts.

All Comet Windmill Genuine Parts have a conditional One (1) year warranty. The company guarantees that the Comet Windmill will do all that it claims provided the pumping and wind conditions are in accordance with those specified on the Comet Pumping Table; it is properly erected on a Comet Tower in the manner described in the company's Erecting Instructions on foundations which in the Company's opinion are satisfactory; and that oiling, adjustments and maintenance have been properly attended to according to the Company's recommendations. Comet Windmills Australia only supplies products based on the information that has been supplied by the Buyer. It holds no responsibility for incorrect information or incorrect site details supplied. The company will endeavour to obtain as much information as necessary for it to identify the most suitable equipment and size.

Comet will repair or replace at its discretion any defective parts of the windmill which the company has been notified of within the 1 year period from the date of purchase provided prior approval by an authorised staff member. The defective part must be returned for inspection with all transport and other charges pre-paid.

This guarantee shall be modified if the windmill is not protected from the weather before erection and if it is not erected within three (3) months from the original date of despatch by the company. In such cases it would be necessary for special arrangements to be made with the company at its discretion.

OTHER COMET PRODUCTS—ONE (1) YEAR

All other standard Comet products are guaranteed under the same conditions as are Comet Windmills, excepting that the free supply period and the time for lodgement of claim is ONE YEAR. *These guarantees shall not extend to cover labour and other costs incurred without the company's authority, damage caused by transport to site, consequential damage, damage caused by negligence, alteration or misuse, damage caused by fire, flood, storm surge, the action of sea, tidal wave, high water or tsunami, war or warlike activity, lawful destruction, erosion, damage, loss or injury that you or anyone acting for you deliberately caused, loss, damage or liability that does not occur within the period of warranty cover.*

Conditions

The warranty does not cover alteration, improper installation, misuse, abuse or neglect on the part of the owner or installer. Warranty is also invalid in any case that the product is altered, modified or installed with non genuine parts—ensure your warranty is registered and valid by filling out your warranty registration on the following page and return to Comet Windmills Australia, PO Box 340, Macksville, NSW 2447. Do not return without speaking to a staff member first. Non return will void your warranty.

WARRANTY ONLY APPLIES TO GENUINE COMET PARTS WITH PROOF OF PURCHASE.

PUMPING TABLE

After numerous pumping tests against other makes of mills, the founders, Sidney Williams & Co, were so confident about the superiority of the Comet that in 1934 they published a challenge, which has never been accepted over 125 years. The challenge was:

'Install a Comet and any other standard mill of the same size adjacent to it so that both mills work under identical pumping and wind conditions and if, after a period of three months trial, the Comet does not pump at least 25% more water we will remove it at no cost to you.'

The pumping capacities of Comet Mills, shown in the Table, are based on the number of pumping strokes (total inches) in 12-14 k.m.p.h winds blowing an average 24 hours and **also allow for slip/friction**. However, the pump sizes and elevations are such that with balanced pump rods and free pressure sealing devices the mills will start pumping in light breezes of under 8 m.p.h. (12.8 k.m.p.h).

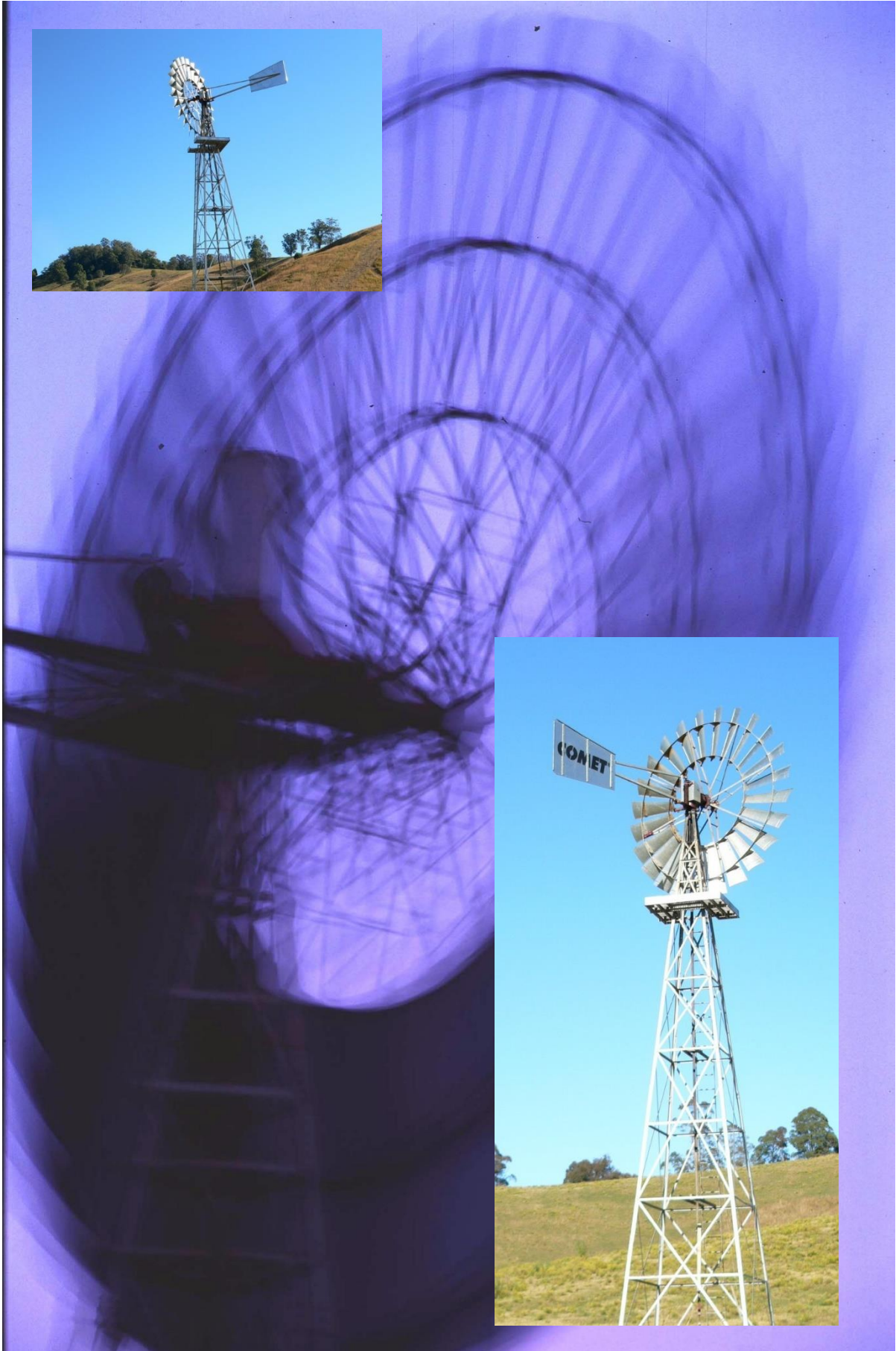
PUMP SIZE Inches mm	8ft 2.44m		10ft 3.05m		12ft 3.66m		14ft 4.27m		16ft 4.88m		18ft 5.49m		20ft 6.10m		22ft 6.71ft		24ft 7.32m		27ft 8.23ft		30ft 9.14m	
	Ft Mt	gal L	Ft Mt	gal L	Ft Mt	gal L	Ft Mt	gal L	Ft Mt	gal L	Ft Mt	gal L	Ft Mt	gal L	Ft Mt	gal L	Ft Mt	gal L	Ft Mt	gal L	Ft Mt	gal L
1¼ 44	95 29	800 3640	160 49	850 3860	220 67	870 3960	310 95	960 4360														
2 50	75 22	1060 4820	130 40	1120 5090	175 53	1130 5140	250 76	1260 5730	320 98	1800 8180	410 125	1360 7410										
2¼ 57	60 18	1340 6090	105 32	1420 6460	140 43	1430 6500	200 61	1590 7230	265 81	2290 10410	350 107	2070 9410	480 146	2300 10460								
2½ 65	52 16	1650 7500	85 26	1750 7960	120 37	1770 8050	170 52	1960 8910	220 67	2830 12870	300 91	2550 11590	415 126	2850 12960	500 152	2550 11590	650 198	2830 12870				
2¾ 70	45 14	2000 9090	72 22	2130 9680	100 31	2150 9770	140 43	2380 10820	190 58	3430 15590	250 76	3100 14090	360 110	3450 15680	430 131	3100 14090	570 174	3430 15590	715 218	3800 17280	985 300	3360 15280
3 80	38 12	2380 10820	60 18	2500 11370	85 26	2550 11590	120 37	2830 12870	160 49	4080 18550	210 64	3680 16730	305 93	4100 18640	380 116	3680 16730	490 149	4080 18550	620 189	4350 19780	840 256	3950 17960
3¼ 83	32 10	2800 12730	50 15	2950 13410	72 22	3000 13640	105 32	3300 15000	135 41	4780 21730	180 55	4300 19550	260 79	4800 21820	325 99	4300 19550	430 131	4780 21730	520 158	5100 23190	650 198	4650 21140
3½ 90	28 9	3250 14780	45 14	3450 15680	63 19	3450 15680	90 27	3850 17500	118 36	5550 25230	155 47	5000 22730	225 69	5600 25460	280 85	5000 22730	370 113	5550 25230	470 143	5900 26820	570 174	5400 24550
4 100	22 7	4200 19090	35 11	4200 24090	78 24	5600 25460	116 35	6100 27730	162 49	8400 38190	216 66	7530 34230	298 91	8820 40100	350 107	8250 37510	445 136	9100 41370	613 187	9100 41370	775 236	8260 37550
4¼ 108	31 10	5750 26140	51 16	5950 27050	70 21	6300 28640	103 31	6800 30910	143 44	9500 43190	192 59	8450 38410	264 81	10000 45460	317 97	9330 42410	397 121	10350 47050	555 169	10250 46600	715 218	9320 42370
4½ 114	25 8	6450 29320	46 14	6650 30230	61 19	7100 32280	91 28	7700 35000	128 39	10700 48640	165 50	9550 43190	231 70	11200 50920	269 82	10400 47280	350 107	11500 52280	490 149	11400 51830	634 193	10450 47510
5 127	21 6	7500 34100	38 12	8250 37510	49 15	8700 39550	75 23	9500 43190	103 31	13200 60000	130 40	11750 53420	168 51	13750 62510	214 65	12850 58420	278 85	14200 64550	392 120	14200 64550	503 153	12900 58640
6 152	15 5	10500 47730	27 8	11500 52280	33 10	12600 57280	50 15	13700 62280	69 21	19000 86370	87 27	16900 76830	116 35	19800 90010	151 46	18500 84100	191 58	20550 93420	265 81	20400 92740	359 109	18550 84330
7 178			18 6	1550 70460	25 8	17050 77510	35 11	19750 89780	48 15	25650 116610	65 20	23000 104560	85 26	26300 119560	90 28	31500 143200	143 44	28000 127290	198 60	27800 126380	160 79	25300 115010
8 200					18 6	22400 101830	27 8	25650 116610	36 11	33850 153880	50 15	29900 135930	65 20	34000 154560	70 21	40300 183200	110 34	35900 163200	150 46	36400 165480	200 61	32800 149110

How to Use: Select the amount of water you want pumped on a daily basis in the highlighted column and/or the total head measurement and match to the closest value.

This Table is based on the minimum quantities guaranteed in normal light wind conditions over a 24 hour day. Comet mills will start turning in breezes lighter than 8 m.p.h (12.8 k.m.p.h). The pump sizes, elevations and capacities in this Table would be greater if they were based on the mills starting in stronger winds, as are generally the tables for other mills. The reason is that the starting torque of the wheel varies roughly as the square of wind speed; thus a 14 m.p.h (22 k.m.p.h) wind should develop four times as much torque as a 7 m.p.h (11 k.m.p.h) breeze.

Also, the higher daily capacities stated in other tables are obviously calculated on stronger winds of longer duration and shorter distances. The wind conditions for the Comet Table are more usual and therefore preferable.

The notes on The Selection Guide should be read before making use of the Comet Pumping Table. The Comet Pumping Table is a Guide only.



*Your first cost is your last cost with a Comet.
Quality is always remembered long after the price is forgotten.*

SELECTION GUIDE

Particulars Required For Design & Installation

INSTRUCTIONS

It is very important that you provide as much information as possible and supply accurate measurements so that the most efficient and least expensive pumping plant can be recommended to suit your requirements.

First choose the diagram that is most similar to your proposed site and pumping conditions. Answer the general data questions with accurate measurements and include pumping details. If you need a Mill Head only then refer to pages overleaf on Comet Mill Heads on Southern Cross Towers/3-Post Towers.

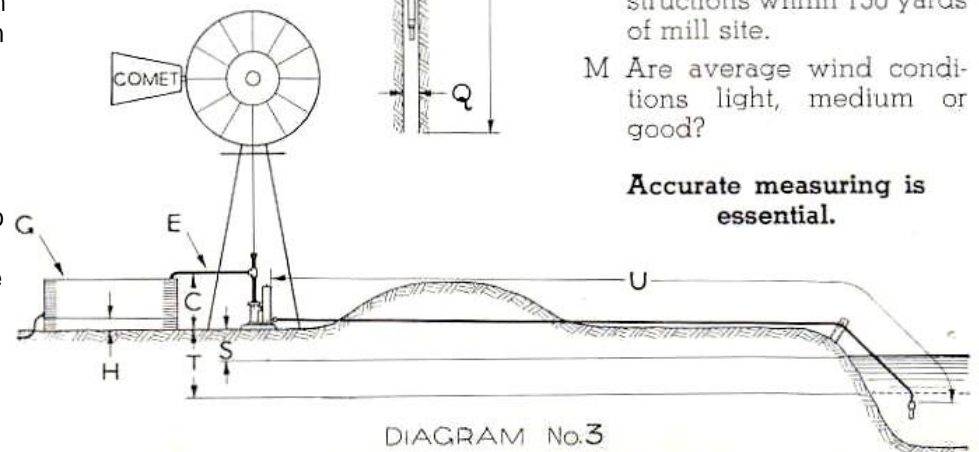
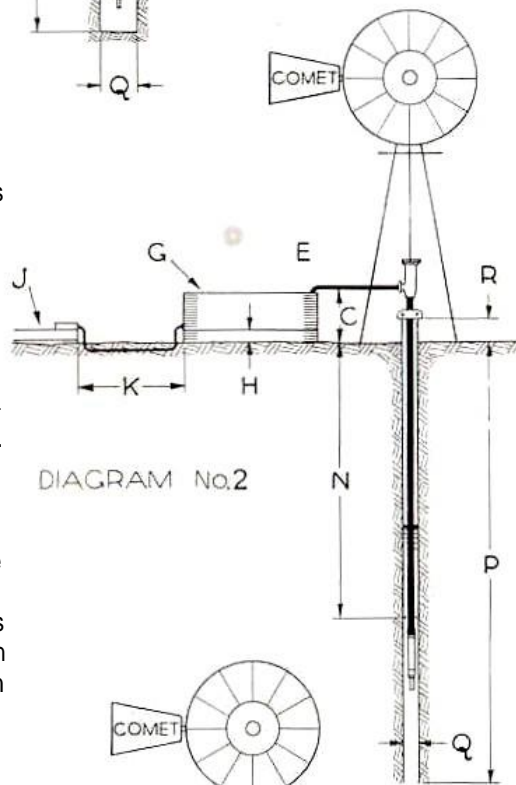
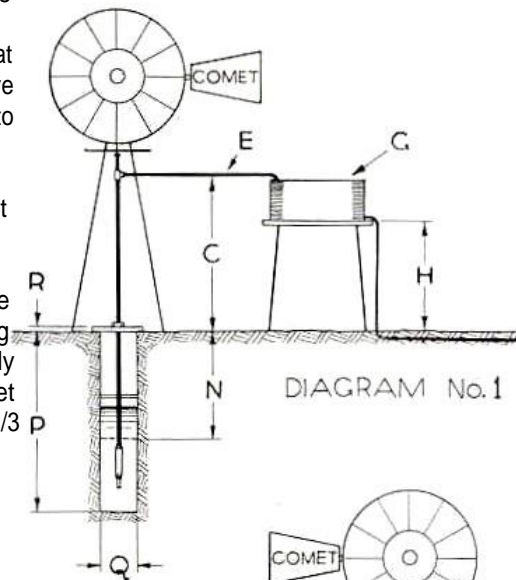
Photocopy this page to record your details and measurements.

Winds—The Winds, especially the light breezes, must have free access to the mill from all directions. The bottom of the wheel must be at least 15ft (14 metres) above all wind obstructions within 150yds (137 metres) of the mill. Comet pumping capacities are based on average medium winds of 12 to 14 m.p.h (19–22 k.m.p.h) blowing for 10 hours daily.

Elevations—The mill should be loaded and balanced so that it will start pumping in light breezes. Its size depends upon the size of the pump and total elevation. The latter includes not only the vertical heights for suction and delivery elevations but also an allowance for probable water flow friction in pipeline. The delivery pipe size should be at least half the pump diameter.

Suction—In a bore or well it is best to submerge the pump. For a creek or dam the pump should be placed close to the water and the suction elevation must not exceed 22ft (7m), or less if the suction pipeline is long.

COMET MILL PLANT DIAGRAMS



General Data

- A State the number of the diagram which is similar to your proposed layout. If your layout is different, please send a sketch showing dimensions below and details of any branch pipelines.
- B Number of gallons required per day.
- C Vertical height from ground level at mill site to point of discharge.
- D Vertical heights from ground level at mill to any rise or depression in delivery pipeline — see Diagram 5.
- E Length of discharge pipe or delivery pipeline.
- F Will pipeline be laid above or below ground level?
- G Capacity and type of storage tank.
- H Height of tankstand.
- J Length, size and type of troughing.
- K Length of pipe from tank to trough.
- L Distance and height of trees and other wind obstructions within 150 yards of mill site.
- M Are average wind conditions light, medium or good?

Accurate measuring is essential.

SELECTION GUIDE

Particulars Required For Design & Installation

COMET MILL PLANT DIAGRAMS

Pumping from Bores or Wells

- N Distance from ground level to lowest water level during pumping test.
- O Gallons pumped per hour during test.
- P Depth from ground level to bottom of bore or well.
- Q Outside diameter of bore casing or size of well.
- R Height of top of casing or well above ground.

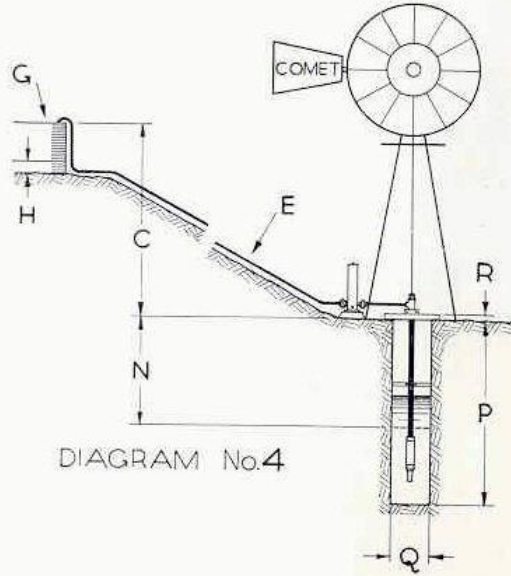
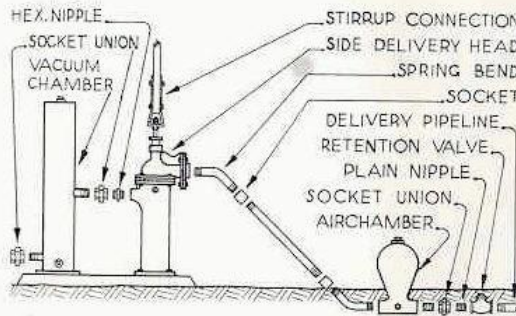


DIAGRAM No.4

Pumping from Creeks, Earth Tanks, Dams or Shallow Wells

- S Vertical height from normal water level to ground level at mill site.
- T Vertical height from lowest water level to ground level at mill site.
- U Length of suction pipe from footvalve to pump.
- V Vertical height above pump inlet of any unavoidable rise in suction pipeline.



TYPICAL SYPHON PUMP INSTALLATION SHOWING FITTINGS DISCONNECTED

Comet Mills on Other Towers

- 1 Size of pump in use.
- 2 Type of pump.
- 3 Size of delivery pipe.
- 4 Condition of pipes.
- 5 _____ mill and details of tower — see Particulars Folder.

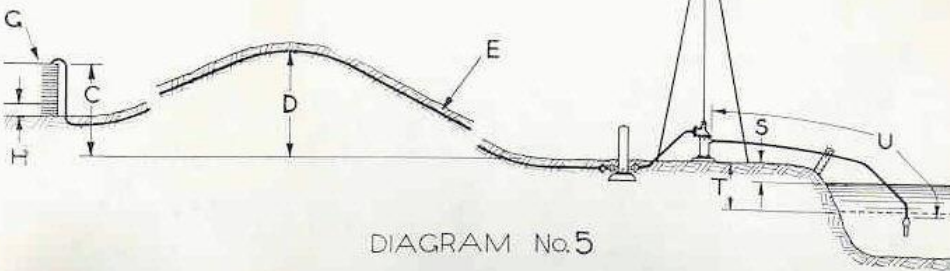
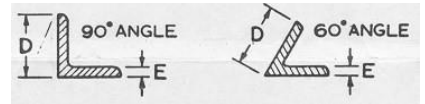


DIAGRAM No.5

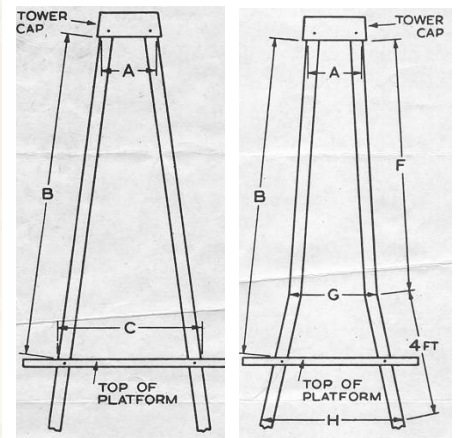
COMET MILL HEADS ON OTHER TOWERS

The COMET Mill is often fitted to other makes of towers, even though it is not then covered by our guarantee. Please measure tower carefully and answer the relevant questions below. It is also important to supply all particulars of the pumping conditions, especially those in reference to sizes of existing pump, pipe etc. See Overleaf for more details.

- Make of existing Mill _____
- Size of existing Mill _____
- Height of existing tower _____
- Number of legs (3 or 4) _____
- Are legs 60° or 90° angle _____
- A Spread of legs at tower cap _____
- B Distance - cap to platform _____
- C Spread of tower at platform _____
- D Width of angle steel leg _____
- E Thickness of flange _____
- F Distance from cap to bend _____
- G Spread of tower at bend _____
- H Spread 4ft below bend _____



State type No. of your tower _____



Type No. 1

Type No. 2

WINDMILL CODES

C Pattern Windmills

MAA	8ft	C Pattern
MBB	10ft	
MAB	8-10ft*	

MCC	12ft	C Pattern
MDD	14ft	
MCD	12-14ft*	

D Pattern Windmills

MQQ	16ft	D Pattern
MRR	18ft	
MQR	16-18ft*	

MSS	20ft	D Pattern
MTT	22ft	
MST	20-22ft*	

MUU	24ft	D Pattern
MVV	27ft	
MWW	30ft	
MUW	24-30ft*	
MVW	27-30ft*	

* Parts with these codes means that the parts are interchangeable with that size range. All other parts are specific for that size.

WINDMILL SYSTEMS

DIRECT ACTING WINDMILLS AND TOWERS

'C' PATTERN 8-14FT WHEEL DIAMETER

6-14FT WINDMILLS on a 4-POST TOWER

CODE	SIZE	TOWER SIZE			
		20ft	30ft	40ft	50ft
COM1001SS	8ft	\$ 7,000	\$ 7,500	\$ 7,900	
COM1002SS	10ft	\$ 7,500	\$ 7,900	\$ 8,400	
COM1003SS	12ft	\$ 9,000	\$ 9,500	\$ 10,500	\$ 10,900
COM1004SS	14ft		\$ 11,800	\$ 12,500	\$ 13,400

8-14FT WINDMILL HEADS

TO SUIT 4-POST TOWERS

COM1001	MA 2.4m (8ft) Windmill Head for 4-Post Tower	\$ 5,200
COM1002	MB 3.0m (10ft) Windmill Head for 4-Post Tower	\$ 5,700
COM1003	MC 3.6m (12ft) Windmill Head for 4-Post Tower	\$ 7,500
COM1004	MD 4.2m (14ft) Windmill Head for 4-Post Tower	\$ 8,900

All Windmills include Standard Safety Package (timber platform & ladder upgrade)

'D' PATTERN 16-22FT WHEEL DIAMETER (Custom Order)

16-22FT WINDMILLS on a 4-POST TOWER - Lead time of 12 Months Max

CODE	SIZE	TOWER SIZE			
		30ft	40ft	50ft	60ft
COM1037SS	16ft	\$ 29,400	\$ 34,400	\$ 36,400	
COM1038SS	18ft	\$ 29,900	\$ 34,900	\$ 36,900	
COM1039SS	20ft		\$ 37,500	\$ 41,400	
COM1040SS	22ft		\$ 38,600	\$ 42,500	

16-22FT WINDMILL HEADS

TO SUIT 4-POST TOWERS

COM1037	MQ 4.9m (16ft) Windmill Head for 4-Post Tower	\$ 21,800
COM1038	MR 5.5m (18ft) Windmill Head for 4-Post Tower	\$ 21,850
COM1039	MS 6.0 (20ft) Windmill Head for 4-Post Tower	\$ 26,900
COM1040	MT 6.7 (22ft) Windmill Head for 4-Post Tower	\$ 28,000

Sizes 24ft, 27ft and 30ft are also available—POA for more power and water

SAFETY UPGRADES FOR TOWERS 4-POST)

To Suit Existing Towers (Galvanised steel platform with non-slip grate floor, perimeter toe plate, & ladder)

Safety First Platform and Ladder Upgrade	\$ 2100
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Prices quoted are exclusive of GST and Freight



WINDMILL PUMPS FLUSH END CYLINDER PUMP

with pinned Plunger Rod for extra strength and stability

SIZES: 1¾" - 6"



FLUSH END PUMPS

CODE	SIZE	SUCTION	DISCHARGE	STROKE	ROD	PRICE
COM1077	1¾	25mm	40mm	12	½"	\$ 360
COM1078	2	32mm	40mm	12	½"	\$ 380
COM1079	2¼	32mm	40mm	12	5/8"	\$ 390
COM1080	2½	32mm	40mm	12	5/8"	\$ 450
COM1081	2¾	40mm	50mm	12	5/8"	\$ 480
COM1082	3	40mm	50mm	12	5/8"	\$ 490
COM1083	3¼	50mm	50mm	12	5/8"	\$ 510
COM1084	3½	50mm	50mm	12	¾"	\$ 680
COM1085	4	50mm	65mm	12	¾"	\$ 790
COM1086	4½	65mm	80mm	12	¾"	\$ 1,190
COM1087	5	65mm	80mm	12	¾"	\$ 1,290
COM1088	6	65mm	80mm	12	1"	\$ 1,490

The feature of Flush End Pumps are that the end caps are fitted flush with the outside of the barrel, enabling the maximum size of pump to be used in a given size of bore. Pumping from wells or shallow bores is the ideal application for the range of high quality, economical Comet Flush End Pumps. Comet Pumps are quality hand-made pumps for longer service. Pump construction of gun-metal and bronze and leather buckets ensures constant efficiency and satisfactory pumping in hard waters at total elevations of up to 200 feet.



HEAVY DUTY DRAW PLUNGER PUMPS

SIZES: 2" - 4¼"

STAINLESS STEEL SLEEVE VALVE DRAW PLUNGER PUMPS

CODE	SIZE inches	SUCTION	DISCHARGE	STROKE	ROD	PRICE
COM1108	2	32mm	65mm	24	5/8"	\$ 1,280
COM1109	2¼	32mm	65mm	24	¾"	\$ 1,390
COM1110	2½	40mm	80mm	24	¾"	\$ 1,480
COM1111	2¾	40mm	80mm	24	¾"	\$ 1,490
COM1112	3	50mm	100mm	24	¾"	\$ 1,520
COM1113	3¼	50mm	100mm	24	7/8"	\$ 1,880
COM1116	4¼	65mm	125mm	24	1"	\$ 2,490

Bronze Ball Valve and Mushroom Valve available by special order

Prices quoted are exclusive of GST and Freight.

Sleeve Valve
Pictured

WINDMILL PUMPS

SYPHON PUMP — vertical discharge

SIZES: 2" - 6"

VERTICAL DISCHARGE SYPHON PUMPS

CODE	SIZE	SUCTION	DISCHARGE	STROKE	ROD	PRICE
COM1117	2	32mm	50mm	12	5/8"	\$ 900
COM1118	2¼	32mm	50mm	12	5/8"	\$ 950
COM1119	2½	32mm	50mm	12	5/8"	\$ 985
COM1120	2¾	40mm	50mm	12	5/8"	\$ 1,035
COM1121	3	40mm	50mm	12	5/8"	\$ 1,140
COM1122	3¼	50mm	80mm	12	3/4"	\$ 1,200
COM1123	3½	50mm	80mm	12	3/4"	\$ 1,280
COM1124	4	50mm	80mm	12	3/4"	\$ 1,420
COM1125	4½	50mm	80mm	12	7/8"	\$ 1,680
COM1126	5	80mm	80mm	12	7/8"	\$ 1,980
COM1127	6	80mm	80mm	12	7/8"	\$ 2,270

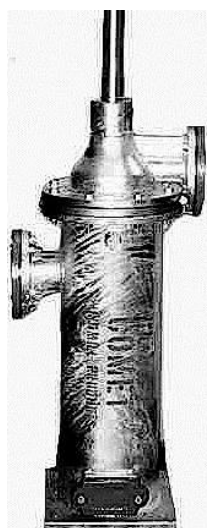


SYPHON PUMP — side discharge

SIZES: 2" - 6"

SIDE DISCHARGE SYPHON PUMPS

CODE	SIZE	SUCTION	DISCHARGE	STROKE	ROD	Packing Tube	Ex GST
COM1128	2	32mm	40mm	12	5/8"	32mm	\$ 990
COM1129	2¼	32mm	40mm	12	5/8"	32mm	\$ 1,070
COM1130	2½	32mm	40mm	12	5/8"	32mm	\$ 1,090
COM1131	2¾	40mm	40mm	12	5/8"	32mm	\$ 1,220
COM1132	3	40mm	40mm	12	5/8"	32mm	\$ 1,240
COM1133	3¼	50mm	50mm	12	3/4"	40mm	\$ 1,390
COM1134	3½	50mm	50mm	12	3/4"	40mm	\$ 1,460
COM1135	4	50mm	50mm	12	3/4"	40mm	\$ 1,580
COM1136	4½	65mm	65mm	12	7/8"	40mm	\$ 1,810
COM1137	5	65mm	65mm	12	7/8"	45mm	\$ 2,490
COM1138	6	80mm	80mm	12	7/8"	45mm	\$ 2,800



Prices quoted are exclusive of GST and Freight.

WINDMILL PUMPS

VERTICAL & SIDE



PLUNGER ASSEMBLY		STROKE		
CODE	SIZE	8"	10"	12"
COM111728PA	2	POA	POA	\$ 79.00
COM111829PA	2¼	POA	POA	\$ 89.00
COM111930PA	2½	POA	POA	\$ 96.00
COM112031PA	2¾	POA	POA	\$ 115.00
COM112132PA	3	POA	POA	\$ 125.00
COM112233PA	3¼	POA	POA	\$ 136.50
COM112334PA	3½	POA	POA	\$ 147.90
COM112435PA	4	POA	POA	\$ 192.80
COM112536PA	4½	POA	POA	\$ 269.90
COM112637PA	5	POA	POA	\$ 355.80
COM112738PA	6	POA	POA	\$ 389.50



INTERMEDIATE FLANGE, BARREL & BOTTOM CAP ASSEMBLY		STROKE		
		8"	10"	12"
COM111728FBA	2	POA	POA	\$ 299.00
COM111829FBA	2¼	POA	POA	\$ 333.00
COM111930FBA	2½	POA	POA	\$ 350.00
COM112031FBA	2¾	POA	POA	\$ 402.00
COM112132FBA	3	POA	POA	\$ 437.00
COM112233FBA	3¼	POA	POA	\$ 489.00
COM112334FBA	3½	POA	POA	\$ 520.00
COM112435FBA	4	POA	POA	\$ 589.00
COM112536FBA	4½	POA	POA	\$ 610.00
COM112637FBA	5	POA	POA	\$ 690.00
COM112738FBA	6	POA	POA	\$ 801.00

Prices quoted are exclusive of GST and Freight.

PUMP PARTS

PACKING TUBES



Packing Tube

Why COMET Windmills Are More Suitable For The Use of Packing Tubes

Comets' direct acting windmills have a distinct advantage over geared windmills by means of unique adjustable weights on the wheel arms to counter-balance the upthrust of the working parts and rods. This is not possible for geared mills as they require 4-7 turns for each pump stroke. This is the reason why Comet Windmills are suited to the packing tube principle and are known as 'Australia's Leading Mill'.

Sizes: 1¼" - 2"

PACKING TUBES						PRICE ex GST
CODE	SIZE inches	ROD inches	STROKE mm/in.	Minimum Pipe Size mm/in.		
COM1139	1¼	5/8	300 - 12	40 - 1½"	\$	196.00
COM1140	1¼	5/8	400 - 16	40 - 1½"	\$	196.00
COM1141	1½	¾	300 - 12	50 - 2"	\$	235.00
COM1142	1½	¾	400 - 16	50 - 2"	\$	240.00
COM1143	1¾	7/8	300 - 12	65 - 2½"	\$	255.00
COM1144	1¾	7/8	400 - 16	65 - 2½"	\$	260.00
COM1145	2	1	300 - 12	80 - 3"	\$	290.00
COM1146	2	1	400 - 16	80 - 3"	\$	320.00

TO SUIT SX SYPHON PUMPS

PACKING TUBE ADAPTORS				PRICE ex GST
CODE	Packing Tube ID	Column Pipe		
COM1147	1¼	1½	\$	180.00
COM1148	1½	2	\$	216.00
COM1149	1¾	2½	\$	226.00

Plunger: Quality made plunger assembly, **double pinned coupling** with **two inverted cup leathers** providing a reliable water seal.

Prices quoted are exclusive of GST and Freight.

Sockets are made in all sizes, plain and reducing

ROD SOCKETS		
CODE	SIZE	
COM1226	5/8	\$ 18.00
COM1227	¾	\$ 20.00
COM1228	7/8	\$ 22.00



1¼ - 1½ - 2" BSP

Prices quoted are exclusive of GST and Freight

PUMP PARTS



CODE	SIZE	PRICE
HAT WASHERS		
COM1160	5/8"	\$ 26.00
COM1161	3/4"	\$ 27.00
COM1162	7/8"	\$ 29.00

'Long-Life'



CODE	SIZE	PRICE
LEATHER PUMP BUCKET		
COM1165	32mm 1 1/4"	\$ 6.00
COM1166	40mm 1 1/2"	\$ 7.00
COM1167	45mm 1 3/4"	\$ 7.80
COM1168	50mm 2"	\$ 8.00
COM1169	57mm 2 1/4"	\$ 8.80
COM1170	65mm 2 1/2"	\$ 9.80
COM1171	70mm 2 3/4"	\$ 10.50
COM1172	80mm 3"	\$ 11.00
COM1173	82mm 3 1/4"	\$ 12.50
COM1174	90mm 3 1/2"	\$ 13.50
COM1175	95mm 3 3/4"	\$ 14.00
COM1176	100mm 4"	\$ 15.00
COM1177	106mm 4 1/4"	\$ 17.00
COM1178	115mm 4 1/2"	\$ 19.00
COM1179	125mm 5"	\$ 24.00
COM1180	130mm 5 1/4"	\$ 36.00
COM1181	150mm 6"	\$ 44.00



Large or small hole optional

CODE	SIZE	PRICE
RUBBER COMPOSITION PUMP BUCKET		
COM1185	32mm 1 1/4"	\$ 12.50
COM1186	40mm 1 1/2"	\$ 12.70
COM1187	45mm 1 3/4"	\$ 12.90
COM1188	50mm 2"	\$ 14.80
COM1189	57mm 2 1/4"	\$ 15.00
COM1190	65mm 2 1/2"	\$ 15.30
COM1191	70mm 2 3/4"	\$ 15.40
COM1192	80mm 3"	\$ 16.00
COM1193	82mm 3 1/4"	\$ 16.40
COM1194	90mm 3 1/2"	\$ 16.40
COM1195	95mm 3 3/4"	\$ 16.60
COM1196	100mm 4"	\$ 16.80
COM1197	106mm 4 1/4"	\$ 17.00
COM1198	115mm 4 1/2"	\$ 17.10
COM1199	125mm 5"	\$ 18.00
COM1200	130mm 5 1/4"	\$ 55.00
COM1200A	150mm 6"	\$ 56.40
COM1201	175mm 7"	\$ 68.70
COM1202	200mm 8"	\$ 77.70
COM1203	250mm 10"	\$ 86.00
COM1204	300mm 12"	\$ 99.50



Hot Water Artesian

COMPARE THE QUALITY

Prices quoted are exclusive of GST and Freight

TANK STANDS

TYPE 'S' TANKSTAND

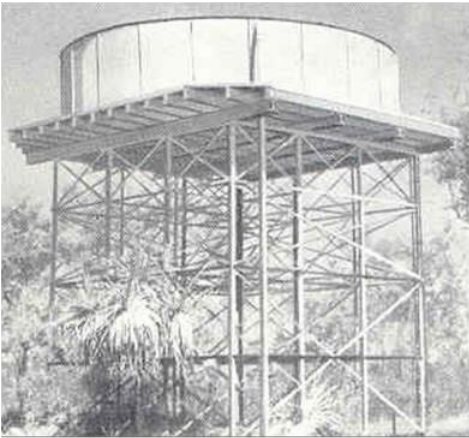
(splayed legs)

The COMET Steel Tankstand is the ideal structure for supporting a water storage tank which needs to be elevated for a pressure supply. When properly erected on correct foundations COMET Tankstands withstand wind gales with safety. Designed so that accuracy and ease of assembly are assured, most holes have only 1/32 inch clearance for the bolts. Heavy steel footplates are welded to angle steel leg sections. The diagonal braces are flat steel bars, crossed in pairs so that they safely transfer the tensile loads imposed by winds from any direction. The bearers, joists and decking for COMET Tankstands are specially selected timber of the strongest and most durable species. Sizes are to individual requirements.

TYPE 'P' TANK

(parallel legs)

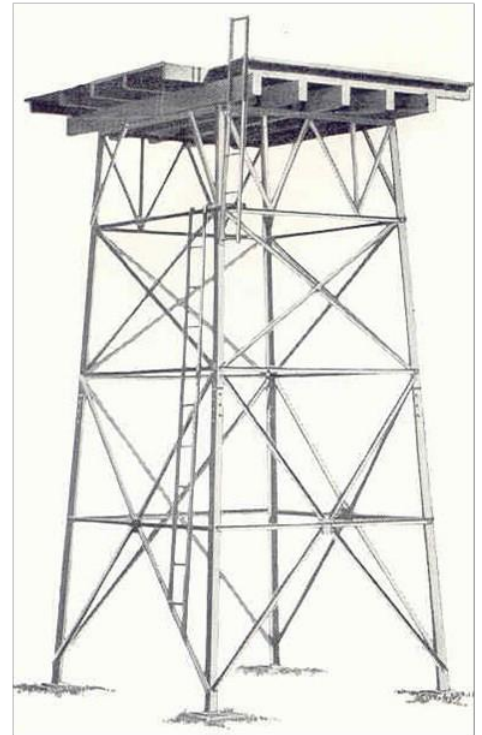
GALVANISED STEEL or HARDWOOD DECK



SIZES

5ft, 10ft, 20ft, 30ft heights
to suit any specified tank volume

Comet Type 'P' Tankstand



Comet Type 'S' Tankstand

FULLWAY FLOATVALVES

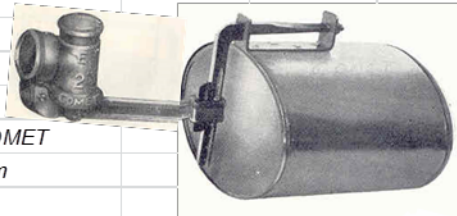
CODE	DESCRIPTION		PRICE
TYPE 'H' FULLWAY LOW PRESSURE FLOATVALVES			
	inches		
COM1420	1	Type 'H' Low Pressure Floatvalve	\$ 190.00
COM1421	1¼	Type 'H' Low Pressure Floatvalve	\$ 210.00
COM1422	1½	Type 'H' Low Pressure Floatvalve	\$ 260.00
COM1423	2	Type 'H' Low Pressure Floatvalve	\$ 290.00
COM1424	2½	Type 'H' Low Pressure Floatvalve	\$ 440.00
COM1425	3	Type 'H' Low Pressure Floatvalve	\$ 880.00
COM1426	4	Type 'H' Low Pressure Floatvalve	\$ 980.00

Built with a waterway as large as the pipe to allow maximum flow. Gunmetal construction is simple and the brass hinge pin protected so that sticking of the valve cannot occur in hard, gritty waters. Height of the float can be conveniently adjusted and set with the brass wedge. COMET Floatvalves are suitable for pressures to 20 feet head. 2½ - 4" suitable for Concrete Troughs.

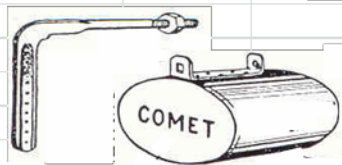
TYPE 'E' HIGH PRESSURE FLOATVALVE

	inches	Suitable for use in both Steel and Concrete Troughing	
COM1427	1¼	Type 'E' High Pressure Floatvalve	\$ 28.00
COM1428	1½	Type 'E' High Pressure Floatvalve	\$ 320.00
COM1429	2	Type 'E' High Pressure Floatvalve	\$ 380.00

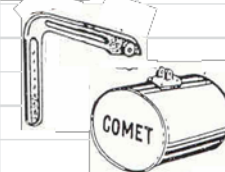
Water at pressures higher than 20 feet can be regulated with the COMET E Type Equilibrium Floatvalve. This valve operates effectively at pressures up to 150 feet without danger of shimmying, and valve opening is equal to the full bore of the pipe. Sizes 1¼", 1½" and 2" pipe.



E' Type pictured with a COMET Brass Float and Fixed Arm



1½" to 4" Fixed Float and Arm



½" to 4" Swivelling Float and Arm



A floatvalve regulates the water supplied to stock from the storage tanks. For this important function it must permit at times an inrush of water to the trough for mobs of thirsty sheep or cattle, and yet remain closed without leakage for long periods.

'H' Type pictured with a COMET Brass Float

Prices quoted are exclusive of GST and Freight

WINDMILL PARTS WHEEL ASSEMBLY

C PATTERN

WHEEL ASSEMBLY 8, 10, 12, 14ft

CODE	QUANTITY	PRICE
COM1001W	8ft Wheel Assembly Less Hub, Bolts & Balance Weights	\$ 1,490
COM1001WH	8ft Wheel Assembly Complete, with Hub, Bolts & Balance Weights	\$ 1,590
COM1002W	10ft Wheel Assembly Less Hub, Bolts & Balance Weights	\$ 1,790
COM1002WH	10ft Wheel Assembly Complete, with Hub, Bolts & Balance Weights	\$ 1,990
COM1003W	12ft Wheel Assembly Less Hub, Bolts & Balance Weights	\$ 2,000
COM1003WH	12ft Wheel Assembly Complete, with Hub, Bolts & Balance Weights	\$ 2,290
COM1004W	14ft Wheel Assembly Less Hub, Bolts & Balance Weights	\$ 2,450
COM1004WH	14ft Wheel Assembly Complete, with Hub, Bolts & Balance Weights	\$ 2,650



D PATTERN

WHEEL ASSEMBLY 16, 18, 20, 22ft

CODE	QUANTITY	PRICE
COM1037W	16ft Wheel Assembly Less Hub, Bolts & Balance Weights	\$ 5,390
COM1037WH	16ft Wheel Assembly Complete, with Hub, Bolts & Balance Weights	\$ 6,900
COM1038W	18ft Wheel Assembly Less Hub, Bolts & Balance Weights	\$ 5,400
COM1038WH	18ft Wheel Assembly Complete, with Hub, Bolts & Balance Weights	\$ 7,200
COM1039W	20ft Wheel Assembly Less Hub, Bolts & Balance Weights	\$ 7,200
COM1039WH	20ft Wheel Assembly Complete, with Hub, Bolts & Balance Weights	\$ 8,700
COM1040W	22ft Wheel Assembly Less Hub, Bolts & Balance Weights	\$ 8,400
COM1040WH	22ft Wheel Assembly Complete, with Hub, Bolts & Balance Weights	\$ 9,900

Prices quoted are exclusive of GST and Freight

COMET®

WINDMILL PRODUCTS

WINDMILL TYPE	Mill Size Wheel Diam.		No. Sails	No. Arms	No. Inner Rims	No. Middle Rims	No. Outer Rims	No. Brackets	Bracket No.
	Foot	metre							
'C' PATTERN MILL	6	1.83	12	4	2	-	4	12	0 0
	8	2.44	12	4	2	-	4	12	1 2
	10	3.05	18	6	3	-	6	18	1 2
	12	3.66	18	6	3	-	6	18	3 4
	14	4.27	24	8	4	-	8	24	3 4
'D' PATTERN MILL	16	4.88	24	8	8	-	8	24	3 4
	18	5.49	24	8	8	-	8	24	3 5
	20	6.10	24	8	8	8	8	24	3 4 5
	22	6.71	30	10	10	10	10	30	3 4 5
	24	7.32	30	10	10	10	10	30	6 7 8
	27	8.23	36	12	10	10	10	36	6 7 8
	30	9.14	42	14	14	14	14	42	6 7 8

Prices quoted are exclusive of GST and Freight

WINDMILL PARTS

OVERHAUL KITS — C PATTERN

The Comet 'C' Pattern Mills have earned a wide reputation for great pumping capacity and longer trouble-free service. Extreme sensitivity to changes in wind direction, together with effective governing for safety in storms, means simply that the Comet will outperform any other mill of similar size. Made in five (4) sizes the 8ft to 14ft Comet Mills are direct acting for

better efficiency and great strength. The fewer working parts mean less friction loss than geared mills. The Comet makes more use of the small power available in the prevalent light winds.

The exceptionally strong main casting with integral mast pipe is accurately machined to close tolerances. The unique Comet Hardwood Bearing Bushes make by far the best bearings for the slow speed, heavy duty work of a windmill and a great many of them have been in service for over 30years.

The cast iron crank with steel pin is shrunk and keyed to the bright steel driving shaft and cannot work loose. Thrust is taken between machined faces of the main casting and wheel hub.

MAJOR Overhaul Kit 8—14ft — Driveshaft, Connecting Rod, Crosshead (incl. pin/dowel), Swivel, choice of wood or nylon bearings.

CODE		PRICE
MAA1000	Major Overhaul Packages 8ft	\$ 1,250
MBB1000	Major Overhaul Packages 10ft	\$ 1,260
MCC1000	Major Overhaul Packages 12ft	\$ 1,700
MDD1000	Major Overhaul Packages 14ft	\$ 1,710

MINOR Overhaul Kit 8 - 14ft — Connecting Rod, Crosshead (incl. pin/dowel), Swivel, choice of wood or nylon bearings.

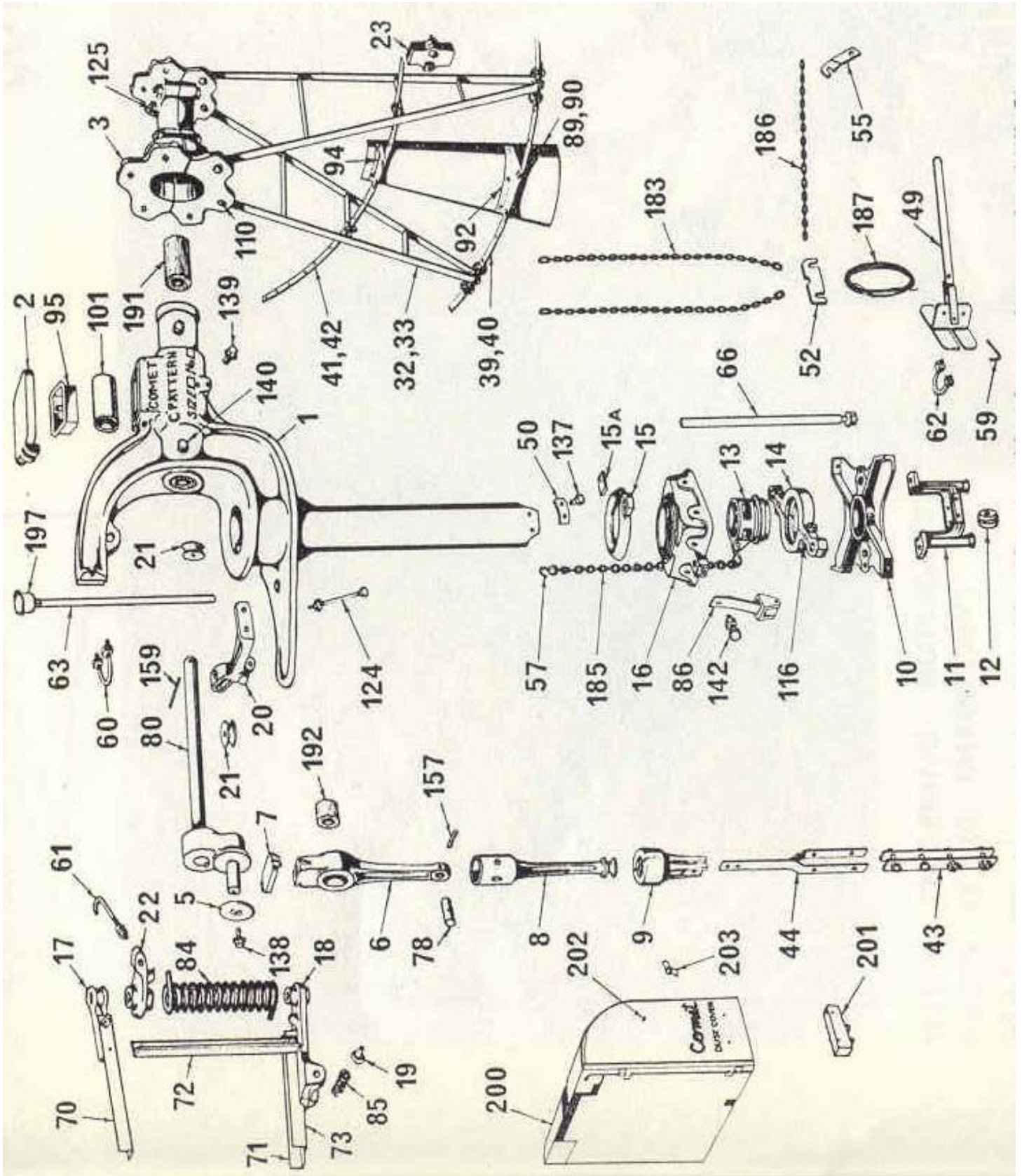
CODE		PRICE
MAB1000	Minor Overhaul Packages 8-10ft	\$ 750
MCD1000	Minor Overhaul Packages 12—14ft	\$ 990

REPAIR Kit 8-14ft

CODE		PRICE
MAB1034	8-10ft Upper/Lower Turntables complete	\$ 599
MCD1034	12-14ft Upper/Lower Turntables complete	\$ 699
MAB1035	8-10ft Inner/Outer Pullout Collars complete	\$ 410
MCD1035	12-14ft Inner/Outer Pullout Collars complete	\$ 490
MAB1036	8-10ft Roller Guide complete	\$ 360
MCD1036	12-14ft Roller Guide complete	\$ 425

Prices quoted are exclusive of GST and Freight

PARTS ILLUSTRATION
8, 10, 12, 14ft C PATTERN WINDMILLS



Prices quoted are exclusive of GST and Freight

LIST OF PARTS 8, 10, 12, 14ft C PATTERN MILLS

- | | |
|--|---|
| 1 Main Casting Complete Incl. 2, 50, 95, 137, 139, 140, 191 | 90 Sail – One only |
| 2 Oil Lid for Main Casting | 91 Outer Sail Brackets – Complete Set |
| 3 Hub Complete Incl. 125 | 92 Outer Sail Bracket – One only |
| 5 Crank Pin Washer | 93 Inner Sail Brackets – Complete Set |
| 6 Connecting Rod Complete Incl. 7, 78, 157, 192 | 94 Inner Sail Bracket – One only |
| 7 Oil Lid for Connecting Rod | 95 Galvanised Oil Box for Main Casting |
| 8 Crosshead Incl. 120 | 101 Ring Oiler Tube |
| 9 Swivel Incl. 120 | 105 Galv. Bolts – Sail Brackets to Rims |
| 10 Bottom Guide Complete Incl. 10A | 106 Galv. Bolts – Sail Brackets to Sails |
| 10A Grease Cup for Bottom Guide | 107 Bolts – Lap of Outer Rims |
| 11 Roller Guide Complete Incl. 12, 128 | 108 Bolts – Inner Rims to Arms at Lap |
| 12 Rollers for Roller Guide | 109 Bolts – Outer Rims to Arms |
| 13 Inner Pullout Collar | 110 Bolts – Arms to Hub |
| 14 Outer Pullout Collar Complete Incl. 116 | 111 Bolts – Inner Rims to Arms |
| 15 Top of Turntable Complete Incl. 15A | 112 Bolts – Vane Sheet to Vane Angles |
| 15A Oil Lid for Turntable | 113 Bolt – Upright Vane Angle |
| 16 Tower Cap | 114 Bolt – Outer End of Vane Angles |
| 17 Top Vane Hinge Casting | 115 Bolts – Bottom Guide to Tower |
| 18 Bottom Vane Hinge Casting Complete Incl. 19, 85 | 116 Bolts – Outer Pullout Collar |
| 19 Buffer Studs | 117 Bolts – Tower Cap to Tower |
| 20 Pullout Bracket Complete Incl. 21, 122 | 119 Bolts – Pullout Bracket to Main Casting |
| 21 Chain Rollers | 120 Bolts – Swivel to Guide Bar |
| 22 Tension Casting | 121 Bolts – Top Vane Hinge Casting to Angle |
| 23 Balance Weights Complete Incl. 126 | 122 Bolt – Chain Roller on Pullout Bracket |
| 32 Wheel Arms – Complete Set | 124 Stay Bolt for Pullout Bracket |
| 33 Wheel Arm – One only | 125 Clamp Bolts for Hub |
| 39 Outer Rims – Complete Set | 126 Bolts – Balance Weights |
| 40 Outer Rim – One only | 127 Bolts – Connecting Straps to Mill Rod |
| 41 Inner Rims – Complete Set | 128 Bolts – Rollers on Rollerguide |
| 42 Inner Rim – One only | 129 Bolt – Chain Roller on Main Casting |
| 43 Fishplates for joining Mill Rods | 137 Set Screws for 50 |
| 44 Connecting Straps for Guide Bar | 138 Set Screws for 5 |
| 49 Pullout Lever Complete Incl. 59 | 139 Set Screw with Leather Washer – for Oil Well |
| 50 Stop Bracket on Mast Pipe | Draining Hole and Oil Level Hole |
| 52 Equalizing Bar | 140 Set Screw for Drive Shaft Bearing Bushes |
| 55 Chain Plate | 142 Set Screw for 86 |
| 57 'S' Hooks for Pullout Chain | 157 Through Pin for Crosshead Pin |
| 59 Stop Pin for Pullout Lever | 159 Through Pin for Drive Shaft |
| 60 'U' Clip for Vane Hinge Rod with Nuts and Washers | 182 Steel Balls for Turntable |
| 61 Tension Bolt with Nuts | 183 Double Pullout Chain Complete Incl. 52 |
| 62 'U' Clip for Pullout Lever with Nuts and Washers | 185 Pullout Chain for Vane Complete Incl. 57 |
| 63 Vane Hinge Rod Incl. 197 | 186 Check Chain |
| 66 Pullout Guide Rod with Nut and Lock Washer | 187 Galv. Pullout Wire |
| 69 Vane Frame – Complete Incl. 17, 18, 70, 71, 72, 73 | 190 Mill Rods |
| 70 Top Vane Angle | 191 Drive Shaft Bearing Bushes (set) |
| 71 Stiffening Vane Angle | 192 Connecting Rod Bearing Bushes |
| 72 Upright Vane Angle | 196 Syphon Wicks for Oil Wells |
| 73 Bottom Vane Angle | 197 Oil Cup for 63 |
| 78 Crosshead Pin Complete Incl. 157 | 200 Dust Cover Complete Incl. 201, 202, 203. |
| 80 Driving Shaft Complete with Crank, Crank Pin, 5, 138, 159 | 201 Oil Box in Dust Cover |
| 84 Governor Spring | 202 Fastening Bolt for Dust Cover |
| 85 Buffer Spring | 203 Wing Nut for 202 |
| 86 Latch Spring Complete with Latch | 189 Pullout Winch Complete (Not Available). This was |
| 88 Vane Sheet Complete with Galv. Straps | between 1938-1942. If a replacement or any parts are |
| 89 Sails – Complete Set | required Part 49 Pullout Lever Complete will be supplied. |
| Note:- The following parts were used prior to 1940 and are not inter-changeable with Double Chain Pullout Parts of similar description used since 1940. | |
| 10 Pipe Pullout Bottom Guide Complete Incl. 10A. | 14 Pipe Pullout Outer Collar Complete Incl. 116 |
| 11 Pipe Pullout Roller Guide Complete Incl. 12, 128. | 100 Pullout Pipe with Split Pin |

	<i>MAA - 8' ONLY</i>	<i>MAB - 8' & 10'</i>	<i>MBB - 10' ONLY</i>		<i>Ex GST</i>
PART	CODE	DESCRIPTION		QTY	PRICE EA
1	MAB 1001	Main Casting C/W 2, 50, 95, 137, 139, 140, 191		1	\$ 1,600.00
2	MAB 1002	Oil Lid for Main Casting		1	\$ 71.20
3	MAA 1003	8' Hub Complete with 125		1	\$ 580.00
3	MBB 1003	10' Hub Complete with 125		1	\$ 590.00
5	MAB 1005	Crank Pin Washer		1	\$ 28.00
6	MAB 1006	Connecting Rod Complete Incl 7, 78, 157 & 192		1	\$ 378.00
7	MAB 1007	Oil Lid for Connecting Rod		1	\$ 34.00
8	MAB 1008	Crosshead Complete		1	\$ 288.00
9	MAB 1009	Swivel		1	\$ 126.00
10	MAB 1010	Main Casting Bottom Guide Incl 10A		1	\$ 163.00
10A	MAB 1010A	Grease Cup for Bottom Guide		1	\$ 11.95
11	MAB 1011	Roller Guide Casting Incl 12, 128		1	\$ 222.00
12	MAB 1012	Rollers for Roller Guide		2	\$ 29.00
13	MAB 1013	Inner Pullout Collar		1	\$ 179.00
14	MAB 1014	Outer Pullout Collar Complete Incl 116		1	\$ 199.00
15	MAB 1015	Top of Turntable Complete 15A		1	\$ 225.00
15A	MAB 1015A	Oil Lid for Turntable		1	\$ 36.00
16	MAB 1016	Tower Cap		1	\$ 240.00
17	MAB 1017	Top Vane Hinge Casting		1	\$ 59.00
18	MAB 1018	Bottom Vane Hinge Casting C/W 19, 85		1	\$ 220.00
19	MAB 1019	Buffer Studs		2	\$ 18.00
20	MAB 1020	Pullout Bracket Complete Incl 21, 122		1	\$ 140.00
21	MAB 1021	Chain Rollers		2	\$ 29.00
22	MAB 1022	Tension Casting		1	\$ 54.00
23	MAB 1023	Balance Weights Complete Incl. 126		2	\$ 22.00
33	MAA 1033	8' Wheel Arms - One Only		1	\$ 79.50
33	MBB 1033	10' Wheel Arms - One Only		1	\$ 88.50
40	MAA 1040	8' Outer Rim - One Only		1	\$ 35.60
40	MBB 1040	10' Outer Rim - One Only		1	\$ 42.60
42	MAA 1042	8' Inner Wheel Rim - One Only		1	\$ 38.00
42	MBB 1042	10' Inner Wheel Rim - One Only		1	\$ 47.50
43	MAB 1043	Fishplates for Joining Mill Rods			\$ 18.80
44	MAB 1044	Connecting Straps with Guide Bar		1	\$ 40.00
49	MAB 1049	Pullout Lever Complete Incl 59		1	\$ 76.40
50	MAB 1050	Stop Bracket on Bottom Mast Pipe		1	\$ 12.80
52	MAB 1052	Equalizing Bar		1	\$ 13.60
55	MAB 1055	Chain Plate		1	\$ 12.90
57	MAB 1057	S' Hooks for Pullout Chain		3	\$ 19.95
59	MAB 1059	Stop Pin for Pullout Lever		1	\$ 15.90
60	MAB 1060	U' - Clip for Vane Hinge Rod c/w nuts, washers		1	\$ 24.90
61	MAB 1061	Governor Spring Tension Bolt c/w nuts		1	\$ 28.70
62	MAB 1062	U' Clip for Pullout Lever c/w nuts, washers Vane		1	\$ 13.60
63	MAB 1063	Vane Hinge Rod		1	\$ 98.20
66	MAB 1066	Pullout Guide Rod c/w nut & lockwasher		1	\$ 42.70
69	MAA 1069	8' Vane Frame c/w 17, 18, 70, 71, 72, 73		1	\$ 325.00
69	MBB 1069	10' Vane Frame c/w 17, 18, 70, 71, 72, 73		1	\$ 330.00

8 & 10FT 'C' PATTERN MILLS SPARE PART NUMBER

	<i>MAA - 8' ONLY</i>	<i>MAB - 8' & 10'</i>	<i>MBB - 10' ONLY</i>		<i>Ex GST</i>
PART	CODE	DESCRIPTION		QTY	PRICE EA
70	MAA 1070	8' Top Vane Angle		1	\$ 19.40
70	MBB 1070	10' Top Vane Angle		1	\$ 21.40
71	MAA 1071	8' Stiffening Vane Angle		1	\$ 10.00
71	MBB 1071	10' Stiffening Vane Angle		1	\$ 12.00
72	MAA 1072	8' Upright Vane Angle		1	\$ 7.60
72	MBB 1072	10' Upright Vane Angle		1	\$ 9.00
73	MAA 1073	8' Bottom Vane Angle		1	\$ 41.40
73	MBB 1073	10' Bottom Vane Angle		1	\$ 61.00
78	MAB 1078	Crosshead Pin c/w 157 (included with 8)		1	\$ 125.90
80	MAA 1080	8' Drive Shaft c/w Crank & Crank Pin Incl 5, 138, 159		1	\$ 380.00
80	MBB 1080	10' Drive Shaft c/w Crank & Crank Pin Incl 5, 138, 159		1	\$ 390.00
84	MAA 1084	8' Governor Spring		1	\$ 140.00
84	MBB 1084	10' Governor Spring		1	\$ 149.00
85	MAB 1085	Buffer Spring		1	\$ 46.00
86	MAB 1086	Latch Spring c/w Latch		1	\$ 41.40
88	MAA 1088	8' Vane Sheet c/w Galvanised Straps		1	\$ 220.00
88	MBB 1088	10' Vane Sheet c/w Galvanised Straps		1	\$ 245.00
89	MAA 1089 C	8' Sail – Complete Set		24	
89	MBB 1089 C	10' Sail – Complete Set			
90	MAA 1090	8' Sail - One Only		1	\$ 59.90
90	MBB 1090	10' Sail - One Only		1	\$ 64.90
91	MAA 1091 C	8' Outer Sail Brackets – Complete Set		1	
91	MBB 1091 C	10' Outer Sail Brackets – Complete Set		1	
92	MAA 1092	8' Outer Sail Bracket - One Only		1	\$ 19.80
92	MBB 1092	10' Outer Sail Bracket - One Only		1	\$ 19.80
94	MAA 1094	8' Inner Sail Bracket - One Only		1	\$ 19.80
94	MBB 1094	10' Inner Sail Bracket - One Only		1	\$ 19.80
95	MAB 1095	Galvanised Oil Box for Main Casting		1	\$ 46.00
101	MAB 1101	Ring Oiler Tube		1	\$ 16.00
105	MAA 1105	Galv Bolts - 8' Sail Brackets to Rims		48	\$ 0.70
105	MBB 1105	Galv Bolts - 10' Sail Brackets to Rims		72	\$ 0.70
106	MAA 1106	Galv Bolts - 8' Sail Brackets to Sails		60	\$ 0.90
106	MBB 1106	Galv Bolts - 10' Sail Brackets to Sails		90	\$ 0.90
107	MAA 1107	Bolts - 8' Outer Rim Lap		8	\$ 0.90
107	MBB 1107	Bolts - 10' Outer Rim Lap		12	\$ 1.10
108	MAA 1108	Bolts - 8' Inner Rims to Arms at Lap		2	\$ 1.10
108	MBB 1108	Bolts - 10' Inner Rims to Arms at Lap		3	\$ 1.10
109	MAA 1109	Bolts - 8' Outer Rim to Arm		4	\$ 1.10
109	MBB 1109	Bolts - 10' Outer Rim to Arm		6	\$ 1.40
110	MAA 1110	Bolts - 8' Arm to Hub		8	\$ 1.40
110	MBB 1110	Bolts - 10' Arm to Hub		12	\$ 1.40

8 & 10FT 'C' PATTERN MILLS SPARE PARTS

<i>PART</i>	<i>MAA - 8' ONLY</i>	<i>MAB - 8' & 10'</i>	<i>MBB - 10' ONLY</i>	<i>QTY</i>	<i>PRICE EA</i>	<i>Ex GST</i>
CODE	DESCRIPTION					
111	MAA 1111	Bolts - 8' Inner Rim to Arm		2	\$	1.40
111	MBB 1111	Bolts - 10' Inner Rim to Arm		3	\$	1.40
112	MAB 1112	Bolts - Vane Sheet to Vane Angle		4	\$	1.10
113	MAB 1113	Bolts - Upright Vane Angle		2	\$	1.10
114	MAB 1114	Bolt - Outer End of Vane Angle		1	\$	1.10
115	MAB 1115	Bolts - Bottom Guide to Tower		4	\$	1.10
116	MAB 1116	Bolts - Outer Pullout Collar		2	\$	1.10
117	MAB 1117	Bolts - Tower Cap to Tower		8	\$	1.10
119	MAB 1119	Bolts - Pullout Bracket to Main Casting		2	\$	1.10
120	MAB 1120	Bolts - Swivel to Guide Bar		2	\$	1.10
121	MAB 1121	Bolts - Top Vane Hinge to Angle		2	\$	1.90
122	MAB 1122	Bolt - Chain Roller on Pullout Bracket		1	\$	1.80
124	MAB 1124	Stay Bolt for Pullout Bracket		1	\$	1.80
125	MAB 1125	Clamp Bolts for Wheel Hub		4	\$	9.00
126	MAB 1126	Bolts - Balance Weights		4	\$	2.60
127	MAB 1127	Bolts - Connecting Straps to Mill Rod		2	\$	2.60
128	MAB 1128	Bolts - Rollers on Roller Guide		2	\$	1.40
129	MAB 1129	Bolt - Chain Roller on Main Casting		1	\$	1.40
137	MAB 1137	Set Screws for 50			\$	3.30
138	MAB 1138	Set Screw for 5 (Crank)		1	\$	1.40
139	MAB 1139	Set Screw with Leather Washer - for Oil Well Draining Hole & Oil Level Hole		2	\$	1.40
140	MAB 1140	Set Screw for Drive Shaft Bearing Bushes		2	\$	2.90
142	MAB 1142	Set Screw for 86		1	\$	1.90
157	MAB 1157	Through Pin for Crosshead Pin- included with 8		1	\$	16.50
159	MAB 1159	Through Pin for Drive Shaft		1	\$	7.00
182	MAB 1182	Steel Balls for Turntable		29	\$	2.95
183	MAB 1183	Double Pullout Chain Complete Incl 52		1	\$	43.00
185	MAB 1185	Pullout Chain for Vane Complete Incl 57		1	\$	9.90
186	MAB 1186	Check Chain		1	\$	48.00
187	MAB 1187	Galvanised Pullout Wire		1	\$	26.65
190	MAB 1190	Mill Rods			\$	98.50
191	MAB 1191	Drive Shaft Bearing Bushes - set		2	\$	109.00
192	MAB 1192	Connecting Rod Bearing Bush		1	\$	99.00
196	MAA 1196	Syphon Wicks for Oil Wells		12	\$	33.60
196	MBB 1196	Syphon Wicks for Oil Wells		24	\$	67.20
197	MAB 1197	Oil Cup for 63		1	\$	97.00
200	MAB 1200	Dust Cover Complete Incl 201, 202, 203		1	\$	15.50
201	MAB 1201	Oil Box in Dust Cover		1	\$	19.90
202	MAB 1202	Fastening Bolt for Dust Cover		1	\$	1.10
203	MAB 1203	Wing Nut for 202		1	\$	4.00

12 & 14FT 'C' PATTERN MILLS SPARE PART CODE

	<i>MCC - 12' ONLY</i>	<i>MCD - 12' & 14'</i>	<i>MDD - 14' ONLY</i>		<i>Ex GST</i>
PART	CODE	DESCRIPTION	QTY	PRICE EA	
1	MCD 1001	Main Casting C/W 2, 50, 95, 137, 139, 140, 191	1	\$	2,550.00
2	MCD 1002	Main Casting Oil Lid	1	\$	81.00
3	MCC 1003	12' Hub Complete with 125	1	\$	780.00
3	MDD 1003	14' Hub Complete with 125	1	\$	795.00
5	MCD 1005	Crank Pin Washer	1	\$	43.00
6	MCD 1006	Connecting Rod Complete Incl 7, 78, 157 & 192	1	\$	487.00
7	MCD 1007	Oil Lid for Connecting Rod	1	\$	29.00
8	MCD 1008	Crosshead	1	\$	398.00
9	MCD 1009	Swivel	1	\$	168.00
10	MCD 1010	Main Casting Bottom Guide Incl 10A	1	\$	259.00
10A	MCD 1010A	Grease Cup for Bottom Guide	1	\$	19.00
11	MCD 1011	Roller Guide Casting Incl 12, 128	1	\$	290.00
12	MCD 1012	Rollers for Roller Guide	2	\$	32.00
13	MCD 1013	Inner Pullout Collar	1	\$	220.00
14	MCD 1014	Outer Pullout Collar Complete Incl 116	1	\$	180.00
15	MCD 1015	Top of Turntable Complete 15A	1	\$	220.00
15A	MCD 1015A	Oil Lid for Turntable	1	\$	39.90
16	MCD 1016	Tower Cap	1	\$	282.00
17	MCD 1017	Top Vane Hinge Casting	1	\$	162.00
18	MCD 1018	Bottom Vane Hinge Casting C/W 19, 85	1	\$	350.00
19	MCD 1019	Buffer Studs	2	\$	21.50
20	MCD 1020	Pullout Bracket Complete Incl 21, 122	1	\$	248.00
21	MCD 1021	Chain Rollers	2	\$	29.00
22	MCD 1022	Tension Casting	1	\$	98.00
23	MCD 1023	Balance Weights Complete Incl. 126	2	\$	69.80
33	MCC 1033	12' Wheel Arms - One Only	1	\$	110.00
33	MDD 1033	14' Wheel Arms - One Only	1	\$	130.00
40	MCC 1040	12' Outer Rim - One Only	1	\$	51.20
40	MDD 1040	14' Outer Rim - One Only	1	\$	68.30
42	MCC 1042	12' Inner Wheel Rim - One Only	1	\$	48.40
42	MDD 1042	14' Inner Wheel Rim - One Only	1	\$	51.20
43	MCD 1043	Fishplates for Joining Mill Rods		\$	23.50
44	MCD 1044	Connecting Straps with GuideBar	1	\$	77.00
49	MCD 1049	Pullout Lever Complete Incl 59	1	\$	76.40
50	MCD 1050	Stop Bracket on Bottom Mast Pipe	1	\$	20.00
52	MCD 1052	Equalizing Bar	1	\$	29.00
55	MCD 1055	Chain Plate	1	\$	-
57	MCD 1057	S Hooks for Pullout Chain	3	\$	18.00
59	MCD 1059	Stop Pin for Pullout Lever	1	\$	11.30
60	MCD 1060	U - Clip for Vane Hinge Rod c/w nuts, washers	1	\$	22.00

12 & 14FT 'C' PATTERN MILLS SPARE PARTS

<i>PART</i>	<i>CODE</i>	<i>DESCRIPTION</i>	<i>QTY</i>	<i>PRICE EA</i>	<i>Ex GST</i>
	<i>MCC - 12' ONLY</i>	<i>MCD - 12' & 14'</i>	<i>MDD - 14' ONLY</i>		
61	MCD 1061	Governor Spring Tension Bolt c/w nuts	1	\$	33.00
62	MCD 1062	U Clip for Pullout Lever c/w nuts, washers	1	\$	13.60
63	MCD 1063	Vane Hinge Rod	1	\$	99.50
66	MCD 1066	Pullout Guide Rod c/w nut & lockwasher	1	\$	45.50
69	MCC 1069	12' Vane Frame c/w 17, 18, 70, 71, 72, 73	1	\$	420.00
69	MDD 1069	14' Vane Frame c/w 17, 18, 70, 71, 72, 73	1	\$	470.00
70	MCC 1070	12' Top Vane Angle	1	\$	48.00
70	MDD 1070	14' Top Vane Angle	1	\$	50.00
71	MCC 1071	12' Stiffening Vane Angle	1	\$	39.00
71	MDD 1071	14' Stiffening Vane Angle	1	\$	41.00
72	MCC 1072	12' Upright Vane Angle	1	\$	13.00
72	MDD 1072	14' Upright Vane Angle	1	\$	15.00
73	MCC 1073	12' Bottom Vane Angle	1	\$	61.00
73	MDD 1073	14' Bottom Vane Angle	1	\$	65.00
78	MCD 1078	Crosshead Pin c/w 157 (included with 8)	1		n/a
80	MCC 1080	12' Drive Shaft c/w Crank & Crank Pin Incl 5, 138, 159	1	\$	540.00
80	MDD 1080	14' Drive Shaft c/w Crank & Crank Pin Incl 5, 138, 159	1	\$	549.00
84	MCC 1084	12' Governor Spring	1	\$	275.00
84	MDD 1084	14' Governor Spring	1	\$	295.00
85	MCD 1085	Buffer Spring	1	\$	57.00
86	MCD 1086	Latch Spring c/w Latch	1		POA
88	MCC 1088	12' Vane Sheet c/w Galvanised Straps	1	\$	260.00
88	MDD 1088	14' Vane Sheet c/w Galvanised Straps	1	\$	285.00
90	MCC 1090	12' Sail - One Only	1	\$	79.00
90	MDD 1090	14' Sail - One Only	1	\$	89.00
92	MCC 1092	12' Outer Sail Brackets - One Only	1	\$	25.90
92	MDD 1092	14' Outer Sail Bracket - One Only	1	\$	25.90
94	MCC 1094	12' Inner Sail Bracket - One Only	1	\$	21.90
94	MDD 1094	14' Inner Sail Bracket - One Only	1	\$	21.90
95	MCD 1095	Galvanised Oil Box for Main Casting	1	\$	46.00
101	MCD 1101	Ring Oiler Tube	1	\$	18.00
105	MCC 1105	Bolts - 12' Sail Brackets to Rims	72	\$	0.70
105	MDD 1105	Bolts - 14' Sail Brackets to Rims	96	\$	0.70
106	MCC 1106	Bolts - 12' Sail Brackets to Sails	108	\$	0.70
106	MDD 1106	Bolts - 14' Sail Brackets to Sails	144	\$	0.70
107	MCC 1107	Bolts - 12' Outer Rim Lap	12	\$	0.60
107	MDD 1107	Bolts - 14' Outer Rim Lap	16	\$	0.60
108	MCC 1108	Bolts - 12' Inner Rims to Arms at Lap	3	\$	0.60
108	MDD 1108	Bolts - 14' Inner Rims to Arms at Lap	4	\$	0.60
109	MCC 1109	Bolts - 12' Outer Rim to Arm	6	\$	0.60

12 & 14FT 'C' PATTERN MILLS SPARE PARTS

PART			QTY	Ex GST	
	MCC - 12' ONLY	MCD - 12' & 14'		MDD - 14' ONLY	PRICE
	CODE	DESCRIPTION			
109	MDD 1109	Bolts - 14' Outer Rim to Arm	8	\$	0.60
110	MCC 1110	Bolts - 12' Arm to Hub	12	\$	1.00
110	MDD 1110	Bolts - 14' Arm to Hub	16	\$	1.00
111	MCC 1111	Bolts - 12' Inner Rim to Arm	3	\$	0.70
111	MDD 1111	Bolts - 14' Inner Rim to Arm	4	\$	0.70
112	MCD 1112	Bolts - Vane Sheet to Vane Angle	4	\$	0.80
113	MCD 1113	Bolts - Upright Vane Angle	2	\$	0.50
114	MCD 1114	Bolt - Outer End of Vane Angle	1	\$	0.50
115	MCD 1115	Bolts - Bottom Guide to Tower	4	\$	0.90
116	MCD 1116	Bolts - Outer Pullout Collar	2	\$	0.90
117	MCD 1117	Bolts - Tower Cap to Tower	8	\$	0.90
119	MCD 1119	Bolts - Pullout Bracket to Main Casting	2	\$	0.90
120	MCD 1120	Bolts - Swivel to Guide Bar	2	\$	0.90
121	MCD 1121	Bolts - Top Vane Hinge to Angle	2	\$	0.50
122	MCD 1122	Bolt - Chain Roller on Pullout Bracket	1	\$	0.80
124	MCD 1124	Stay Bolt for Pullout Bracket	1	\$	0.80
125	MCD 1125	Clamp Bolts for Wheel Hub	4	\$	3.00
126	MCD 1126	Bolts - Balance Weights	4	\$	1.00
127	MCD 1127	Bolts - Connecting Straps to Mill Rod	2	\$	0.90
128	MCD 1128	Bolts - Rollers on Roller Guide	2	\$	0.90
129	MCD 1129	Bolt - Chain Roller on Main Casting	1	\$	0.90
137	MCD 1137	Set Screws for 50		\$	1.90
138	MCD 1138	Set Screw for 5 Crank	1	\$	1.50
139	MCD 1139	Set Screw with Leather Washer - for Oil Well Draining Hole & Oil Level Hole	2	\$	1.90
140	MCD 1140	Set Screw for Drive Shaft Bearing Bushes	2	\$	1.80
142	MCD 1142	Set Screw for 86	1	\$	1.80
157	MCD 1157	Through Pin for Crosshead Pin (incl with 8)	1	n/a	
159	MCD 1159	Through Pin for Drive Shaft	1	\$	7.50
182	MCD 1182	Steel Balls for Turntable	38	\$	3.10
183	MCD 1183	Double Pullout Chain Complete Incl 52	1	\$	36.50
185	MCD 1185	Pullout Chain for Vane Complete Incl 57	1	\$	16.00
186	MCD 1186	Check Chain	1	\$	41.00
187	MCD 1187	Galvanised Pullout Wire	1	\$	26.50
190	MCD 1190	Mill Rods - wood or galvanised		POA	
191	MCD 1191	Drive Shaft Bearing Bushes - set	2	\$	130.00
192	MCD 1192	Connecting Rod Bearing Bush	1	\$	109.00
196	MCC 1196	Syphon Wicks for Oil Wells	12	\$	40.80
196	MDD 1196	Syphon Wicks for Oil Wells	24	\$	81.60
197	MCD 1197	Oil Cup for 63	1	\$	98.00
200	MCD 1200	Dust Cover Complete Incl 201, 202, 203	1	\$	190.00
201	MCD 1201	Oil Box in Dust Cover	1	\$	23.00
202	MCD 1202	Fastening Bolt for Dust Cover	1	\$	11.50
203	MCD 1203	Wing Nut for 202	1	\$	0.50

WINDMILL PARTS

OVERHAUL KITS — D PATTERN

MAJOR Overhaul Kit 16-30ft — Driveshaft, Connecting Rod, Crosshead (incl. pin/dowel), Swivel, choice of wood or nylon bearings.

CODE		PRICE
MQQ1000	Major Overhaul Packages 16ft	\$ 2,400
MRR1000	Major Overhaul Packages 18ft	\$ 2,600
MSS1000	Major Overhaul Packages 20ft	\$ 2,900
MTT1000	Major Overhaul Packages 22ft	\$ 3,100
MUU1000	Major Overhaul Packages 24ft	\$ 3,600
MVV1000	Major Overhaul Packages 27ft	\$ 3,800
MWW1000	Major Overhaul Packages 30ft	\$ 4,000

MINOR Overhaul Kit 16 - 30ft — Connecting Rod, Crosshead (incl. pin/dowel), Swivel, choice of wood or nylon bearings.

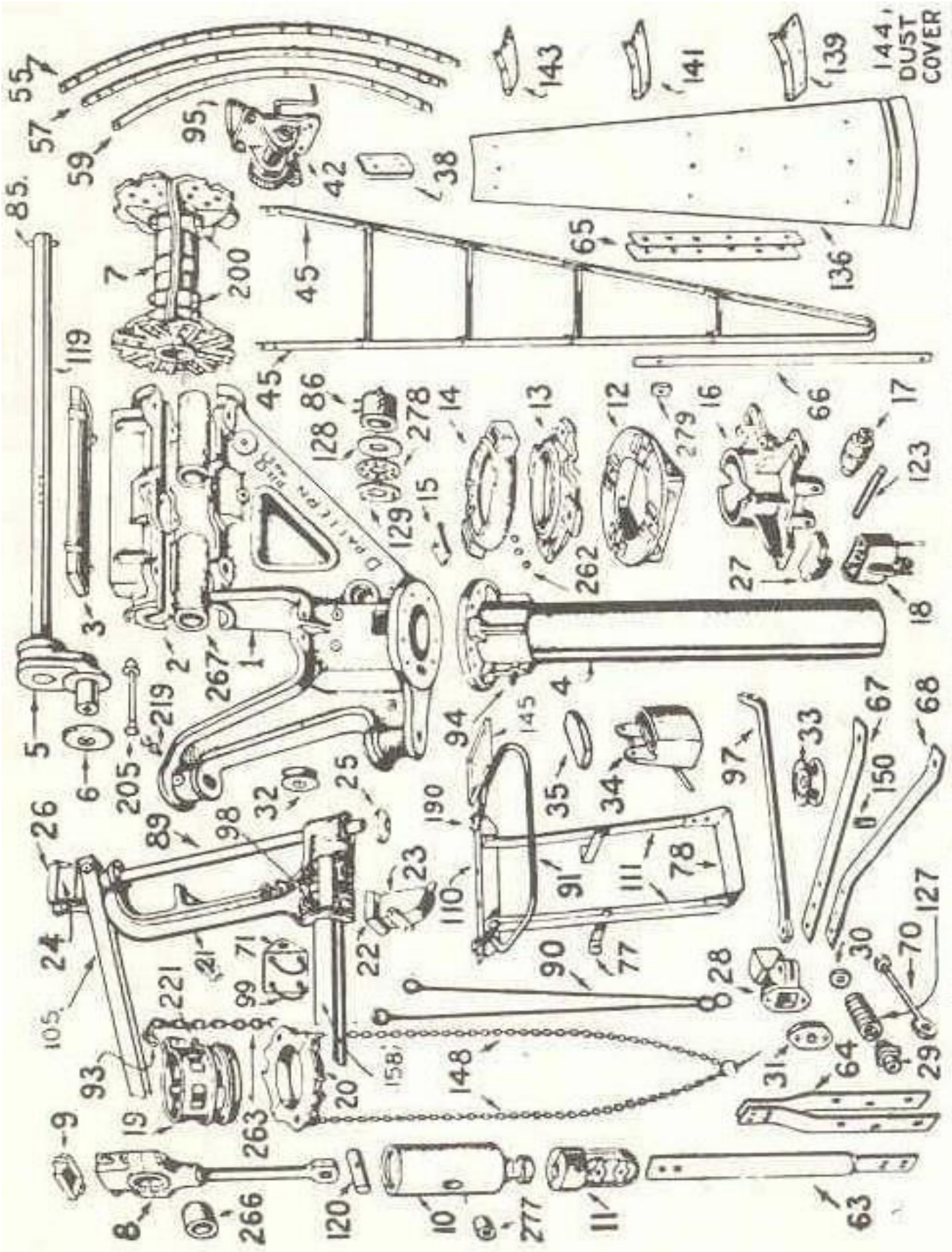
CODE		PRICE
MQR1000	Minor Overhaul Packages 16-18ft	\$ 1,790
MST1000	Minor Overhaul Packages 20—22ft	\$ 2,190
MUW1000	Minor Overhaul Packages 24, 27, 30ft	\$ 2,600

REPAIR Kit 16-30ft

CODE		PRICE
MQR1000MR	Mastpipe c/w stop brackets 16—18ft	\$ 2,600
MST1000MR	Mastpipe c/w stop brackets 20—22ft	\$ 3,300
MUW1000MR	Mastpipe c/w stop brackets 24, 24, 27ft	\$ 3,800
MQR1000TR	Upper/lower Turntables complete 16—18ft	\$ 1,490
MST1000TR	Upper/lower Turntables complete 20—22ft	\$ 1,590
MUW1000TR	Upper/lower Turntables complete 24, 27, 30ft	\$ 1,790
MQR1000CR	Inner/Outer Pullout Collars complete 16—18ft	\$ 980
MST1000CR	Inner/Outer Pullout Collars complete 20—22ft	\$ 1,150
MUW1000CR	Inner/Outer Pullout Collars complete 24, 27, 30ft	\$ 1,480
MQR1000WR	Thrust Washer complete 16—18ft	\$ 520
MST1000WR	Thrust Washer complete 20—22ft	\$ 610
MUW1000WR	Thrust Washer complete 24, 27, 30ft	\$ 680
MQR1000RR	Roller complete with spindle 16—18ft	\$ 390
MST1000RR	Roller complete with spindle 20—22ft	\$ 480
MUW1000RR	Roller complete with spindle 24, 27, 30ft	\$ 780

Pag

PARTS ILLUSTRATION
16, 18, 20, 22ft D PATTERN WINDMILLS



ONLY USE GENUINE COMET QUALITY PARTS

LIST OF PARTS 16, 18, 20, 22ft D PATTERN MILLS

CASTINGS

- 1 Main Casting
- 2 Bearing Cover on Main Casting
- 3 Oilbox Lid for Bearing Cover
- 4 Mast Pipe
- One-piece Crank and Pin (Fixed on shaft)
- 6 Crank Pin Washer
- 7 Hub Casting Clamp-on Type
- 8 Connecting Rod
- 9 Oilbox Lid for Conn. Rod (Until 1960)
- 10 Crosshead
- 11 Swivel
- 12 Tower Cap
- 13 Bottom Part of Ball-Bearing Turntable
- 14 Top Part of Ball-Bearing Turntable
- 15 Oilbox Lids for Turntable
- 16 Bottom Guide for Mast Pipe
- 17 Rollers for Bottom Guide
- 18 Oilboxes For Rollers
- 19 Inner Collar for Pullout
- 20 Outer Collar for Pullout
- 21 Vane Hinge Casting
- 22 Oilbox Lid for 23
- 23 Bottom Oilbox for Vane
- 24 Top Oilbox for Vane
- 25 Self-aligning Washer for Vane
- 26 Oilbox Lid for 24
- 27 Oilbox Lid for 18
- 28 Spring Buffer Casting
- 29 Buffer Studs
- 30 Washer on Buffer Bar
- 31 Buffer Box Flange
- 32 Chain Roller on Main Casting
- 33 Chain Roller on Pull-out Bars
- 34 Oilboxes for Crosshead (Until 1960)
- 35 Lids for Crosshead Oilboxes
- 38 Balance Weights
- 42 Pullout Winch complete

FLAT BAR PARTS

- 45 Wheel Arms – Complete Set
- 46 Wheel Arm – one only
- Rims – complete set
- 55 Outer Rims – complete
- 56 Outer Rim – one only
- 57 Middle Rims – complete
- 58 Middle Rim – one only
- 59 Inner Rims – complete
- 60 Inner Rim – one only
- 63 Steel Draw Bar
- 64 Connecting Straps on Steel Draw Bar

- 65 Fish Plates joining Mill Rods
- 66 Guide Bar
- 67 Top Bar for Pull-out Bracket
- 68 Bottom Bar for Pull-out Bracket
- 70 Eye Bolt for Spring Buffer
- 71 Buffer and Chain Plate
- 73 Check Rod Plate on Vane
- 74 Vane Straps – inner
- 74A Vane Straps – inner middle
- 75 Vane Straps – middle
- 76 Vane straps – outer
- 77 Stay for Inspection Frame to Main Casting
- 78 Foot Plate
- 105 Vane Stay Straps

ROUND BAR PARTS

- 85 Plain Pin through Shaft on Hub
- 86 Thrust Collar
- 89 Vane Hinge Rod
- 90 Check Rod for Vane
- 91 Guard Rail for Inspection Frame
- 93 Connecting Link for Pull-out Collars
- 94 Check Stud on Mast Pipe (Until 1959)
- 95 “U” Clips for Winch
- 97 Pull-out Bracket Stay
- 98 “U” Bolts for Vane Hinge Casting
- 99 “U” Bolts for 71

ANGLE STEEL PARTS

- 110 Support Angle for Inspection Frame
- 111 Side Angles for Footplate
- 112 Inspection Frame Complete

POLISHED STEEL PARTS

- 119 Driving Shaft (fitted with Crank & Pin)
- 120 Crosshead Pin
- 121 Cotter Pin for Crosshead Pin
- 123 Axles for Rollers on Bottom Guide

SPRING STEEL PARTS

- 127 Buffer Spring
- 128 Front Thrust Washer
- 129 Back Thrust Washer
- 130 Thrust Washer Complete (Front Back & 54 Balls with Cage)

GALVANISED IRON PARTS

- 134 Vane Sheet Complete
- 135 Sails – complete set
- 136 Sail – one only
- 137 Sail Brackets – complete set
- 138 Outer Sail Brackets – complete set
- 139 Outer Sail Bracket – one only
- 140 Middle Sail Brackets – complete set

COMMON SPARE PARTS

16 - 18ft 'D' Pattern Mills

16 & 18FT 'D' PATTERN MILLS SPARE PARTS

ITEM No	CODE	DESCRIPTION	QTY	Ex GST	
				PRICE EA	
		<i>MQQ - 16' ONLY MRR - 18' ONLY MQR - 16' & 18'</i>			
1	MQR 1001	Main Casting	1	\$	3,200.00
2	MQR 1002	Bearing Cover on Main Casting	1	\$	499.00
3	MQR 1003	Oil Lid for Bearing Cover	1	\$	188.00
4	MQR 1004	Mast Pipe	1	\$	2,200.00
5	MQR 1005	One Piece Crank and Pin (Fixed on Shaft)	1		POA
6	MQR 1006	Crank Pin Washer	1	\$	30.00
7	MQQ 1007	Hub Casting Clamp-on Type 16'	1	\$	1,400.00
7	MRR 1007	Hub Casting Clamp-on Type 18'	1	\$	1,800.00
8	MQR 1008	Connecting Rod	1	\$	890.00
9	MQR 1009	Oilbox Lid for Con. Rod (until 1960)	1	\$	49.00
10	MQR 1010	Crosshead Complete with Pin/Cotter Pin/Bushes	1	\$	390.00
11	MQR 1011	Swivel	1	\$	200.00
12	MQR 1012	Tower cap	1	\$	220.00
13	MQR 1013	Ball Bearing Turntable (Lower)	1	\$	480.00
14	MQR 1014	Ball Bearing Turntable (Top)	1	\$	495.00
15	MQR 1015	Oilbox Lids for Turntable	2	\$	39.00
16	MQR 1016	Bottom Guide for Mast Pipe	1	\$	490.00
17	MQR 1017	Roller on Bottom Guide	1	\$	85.40
18	MQR 1018	Oil Boxes for Rollers	1	\$	98.20
19	MQR 1019	Inner Collar for Pullout	1	\$	336.00
20	MQR 1020	Outer Collar for Pullout	1	\$	210.50
21	MQR 1021	Vane Hinge Casting	1	\$	539.00
22	MQR 1022	Oilbox Lid for 23	1	\$	50.00
23	MQR 1023	Bottom Oilbox for Vane	1	\$	111.00
24	MQR 1024	Top Oilbox for Vane	1	\$	98.20
25	MQR 1025	Self Aligning Washer for Vane	1	\$	20.00
26	MQR 1026	Oilbox Lid for 24	1	\$	39.00
27	MQR 1027	Oilbox Lid for 18	1	\$	39.00
28	MQR 1028	Spring Buffer Casting	1	\$	31.30
29	MQR 1029	Buffer Studs	1	\$	25.60
30	MQR 1030	Washer on Buffer Bar	1	\$	11.40
31	MQR 1031	Buffer Box Flange	1	\$	54.00
32	MQR 1032	Chain Roller on Main Casting	1	\$	57.00
33	MQR 1033	Chain Roller on Pullout Bars	1	\$	69.80
34	MQR 1034	Oilboxes for Crosshead (until 1960)	1	\$	71.20
35	MQR 1035	Lids for Crosshead Oilboxes	1	\$	32.70
38	MQR 1038	Balance Weights	2	\$	89.00
42	MQR 1042	Pullout Winch Complete	1	\$	795.80
		FLAT BAR PARTS			
46	MQQ 1046	16' Wheel Arm - One Only	1	\$	140.00
46	MRR 1046	18' Wheel Arm - One Only	1	\$	150.00
60	MQQ-1060	16' Inner rim	8	\$	120.00
60	MRR-1060	18' Inner rim	8	\$	130.00
63	MQR-1063	Steel draw bar	1	\$	136.70
64	MQR-1064	Connecting straps on steel draw bar	1	\$	101.00
66	MQR-1066	Guide bar	1	\$	35.60
67	MQR-1067	Top bar for pullout bracket	1	\$	9.70

16 & 18FT 'D' PATTERN MILLS SPARE PARTS

ITEM No	CODE	DESCRIPTION	QTY	Ex GST PRICE EA
		<i>MQQ - 16' ONLY MRR - 18' ONLY MQR - 16' & 18'</i>		
68	MQR-1068	Bottom bar for pullout bracket	1	\$ 9.70
70	MQR-1070	Eye bolt for spring buffer	1	\$ 7.80
71	MQR-1071	Buffer and chain plate	1	\$ 16.80
73	MQR-1073	Check rod plate on vane	1	\$ 8.40
74	MQR-1074	Vane straps - inner	1	\$ 7.80
74a	MQR-1074a	Vane straps - inner middle	1	\$ 7.80
75	MQR-1075	Vane straps - middle	1	\$ 7.80
76	MQR-1076	Vane straps - outer	1	\$ 7.80
77	MQR-1077	Stays for inspection frame to main casting	1	POA
78	MQR-1078	Foot plate	1	\$ 49.00
85	MQR-1085	Plain pin through shaft on hub	1	\$ 7.00
86	MQR-1086	Thrust collar	1	\$ 180.00
89	MQR-1089	Vane hinge rod	1	\$ 135.20
90	MQR-1090	Check rod for vane	1	\$ 16.00
91	MQR-1091	Guard rail for inspection frame	1	\$ 10.40
93	MQR-1093	Connecting link for pullout collar	1	\$ 12.00
94	MQR-1094	Check stud on mast pipe (until 1959)	1	POA
95	MQR-1095	U clips for winch	1	POA
97	MQR-1097	Pullout bracket stay	1	\$ 6.50
98	MQR-1098	U bolts for vane hinge casting	1	\$ 16.50
99	MQR-1099	U bolts for 71	1	\$ 5.20
105	MQR-1105	Vane stay straps	1	\$ 26.90
110	MQR-1110	Support angle for inspection frame	1	\$ 39.80
111	MQR-1111	Side angles for foot plate	1	\$ 29.90
112	MQR-1112	Inspection frame complete	1	POA
119	MQQ-1119A	16' Driving shaft	1	\$ 950.00
119	MRR-1119A	18' Driving shaft	1	\$ 990.00
120	MQR-1120	Crosshead pin (included with 10)	1	\$ 38.20
121	MQR-1121	Cotter pin for crosshead pin (included with 10)	1	n/a
123	MQR-1123	Axles for rollers on bottom guide	1	\$ 17.00
127	MQR-1127	Buffer spring	1	\$ 32.70
130	MQR-1130	Thrust washer complete	1	\$ 300.00
134	MQR-1134	Vane sheet complete	1	POA
136	MQQ-1136	16' Sails	24	\$ 105.00
136	MRR-1136	18' Sails	24	\$ 115.00
139	MQQ-1139	16' Outer sail bracket	24	\$ 22.40
139	MRR-1139	18' Outer sail bracket	24	\$ 23.90
143	MQQ-1143	16' Inner sail bracket	24	\$ 23.90
143	MRR-1143	18' Inner sail bracket	24	\$ 23.90
144	MQR-1144	Dust cover (with oilbox from 1960)	1	\$ 383.00
145	MQR-1145	Tool tray	1	POA
146	MQR-1146	Chain guard below chain roller	1	\$ 11.00
146a	MQR-1146a	Packing washer for buffer	1	\$ 11.60
148	MQR-1148	Lower pullout chain	1	\$ 145.90
150	MQR-1150	Ferrule for chain roller	1	\$ 12.00
158	MQR-1158	Vane pipe	1	POA
160	MQR-1160	Bolts - Arms to hub casting	16	\$ 1.60
161	MQR-1161	Bolts - Inner rims to arms	8	\$ 1.20

16 & 18FT 'D' PATTERN MILLS SPARE PARTS

ITEM No	CODE	DESCRIPTION	QTY	PRICE EA	Ex GST
		<i>MQQ - 16' ONLY MRR - 18' ONLY MQR - 16' & 18'</i>			
164	MQR-1164	Bolts - Outer rims to arms	16	\$	1.20
165	MQR-1165	Bolts - Laps of outer rims	16	\$	0.90
166	MQR-1166	Bolts - 16' Sail brackets to rims	48	\$	0.70
166	MQR-1166	Bolts - 18' Sail brackets to rims	96	\$	0.70
167	MQR-1167	Bolts - 16' Sail to sail brackets	72	\$	0.70
167	MQR-1167	Bolts - 18' Sail to sail brackets	144	\$	0.70
169A	MQR-1169-B2	Bolts - Oil boxes to main casting (bolt 1)	2	\$	4.50
	MQR-1169A-				
169B	B4	Bolts - Oil boxes to main casting (bolt 2)	4	\$	5.65
170	MQR-1170-B2	Bolts - Oil boxes to bottom guide	2	\$	1.10
171	MQR-1171-B2	Bolts - Foot plate stays to main casting	2	\$	1.10
172	MQR-1172-B4	Bolts - Foot plate and stays to frame	4	\$	1.10
173	MQR-1173-B2	Bolts - Pullout collar to chain	2	\$	1.20
174	MQR-1174-B2	Bolts - Footplate frame to support	2	\$	0.95
176	MQR-1176-B2	Bolts - Guide bars to bottom guide	2	\$	0.95
	MQR-1180-				
180	B12	Bolts - Vane sheet to frame	12	\$	0.95
181	MQR-1181-B8	Bolts - Bottom guide to tower	8	\$	2.50
182	MQR-1182-B2	Bolts - Pullout collar (outer)	2	\$	1.20
183	MQR-1183-B3	Bolts - Connecting straps to draw bar	3	\$	2.10
184	MQR-1184-B1	Bolts - Vane sheet to frame	1	\$	4.00
185	MQR-1185-B2	Bolts - Oilboxes to bottom guide	2	\$	1.10
186	MQR-1186-B8	Bolts - Guide roller bracket for pullout wire	8	\$	2.20
187	MQR-1187-B1	Bolts - Chain roller on pullout	1	\$	3.30
189	MQR-1189-B1	Bolts - Buffer to pullout bracket	1	\$	3.30
190	MQR-1190-B2	Bolts - Guard rail to support	2	\$	0.95
191	MQR-1191-B2	Bolts - Footplate support to main casting	2	\$	0.95
192	MQR-1192B2	Bolts - Spring buffer body to cap	2	\$	2.00
194	MQR-1194B2	Bolts - Buffer to stay and bracket	2	\$	3.30
195A	MQR-1195-B1	Bolts - Pullout stays to main casting (bolt 1)	1	\$	20.00
	MQR-1195-A-				
195B	B1	Bolts - Pullout stays to main casting (bolt2)	1	\$	16.50
196	MQR-1196-B1	Bolts - Pullout bracket to main casting	1	\$	15.00
197	MQR-1197-B2	Bolts - Main swivel	2	\$	5.00
198A	MQR-1198-B2	Bolts - Main bearing cap (bolt 1)	2	\$	31.60
	MQR-1198-A-				
198B	B4	Bolts - Main bearing cap (bolt 2)	4	\$	5.50
200	MQR-1200-B6	Bolts - Hub casting	6	\$	13.50
201	MQR-1201-B2	Bolts - Connecting rod	2	\$	21.00
202	MQR-1202-B2	Bolts - Tool tray	2	\$	0.60
204	MQR-1204-B2	Bolts - Connecting straps to mill rod	2	\$	3.30
205	MQR-1205	Bolts - Crank pin washer to crank	1		
206	MQR-1206-B8	Bolts - Tower cap to legs	8	\$	2.00
207	MQR-1207-B4	Bolts - Turntable to tower cap	4	\$	2.20
208	MQR-1208-B1	Bolts - Chain roller on main casting	1	\$	3.30
209	MQR-1209-B4	Bolts - Fish plates	4	\$	3.30
211	MQR-1211-B2	Nuts - Adjusting vane for vane (top)	2	\$	1.20
213	MQR-1213-B1	Nuts - Buffer eye bolt	1	\$	1.20
215	MQR-1215-B1	Set screws - Oil draining plug	1	\$	2.00
217	MQR-1217-B4	Set screws -Thrust collar	4	\$	1.30
219	MQR-1219-B2	Set screws -T op of vane hinge rod	2	\$	2.60
220	MQR-1220-B8	Set screws -Bottom guide	8	\$	1.50
221	MQR-1221-B1	Set screws -Inner collar locking screw	1	\$	0.60
222	MQR-1222-B2	Set screws -Guide barsto tower rails	1	\$	1.30
230	MQR-1230-B1	Split pins - Oilbox cover on top vane hinge	1	\$	0.20

16 & 18FT 'D' PATTERN MILLS SPARE PARTS**MQQ - 16' ONLY MRR - 18' ONLY MQR - 16' & 18'**

ITEM No	CODE	DESCRIPTION	QTY	Ex GST	
				PRICE	EA
231	MQR-1231-B2	Split pins - Oilbox cover for bearing cover	2	\$	0.50
232	MQR-1232-B1	Split pins - Oilbox cover on bottom vane hinge	1	\$	0.50
233	MQR-1233-B4	Split pins - Bolts on main bearing	4	\$	0.50
234	MQR-1234-B1	Split pins - Eye bolt on buffer	1	\$	0.50
235	MQR-1235	Split pins - Vane hinge rod	1	\$	0.70
236	MQR-1236	Split pins - Pull-out collars to pipe (early mills only)	1	\$	0.70
237	MQR-1237-B2	Split pins - Pullout collar to chain	2	\$	0.70
239	MQR-1239-B1	Plain washer - Crank pin and bolt washer	1	\$	0.70
240	MQR-1240-B2	Plain washer - Guard rail to support	2	\$	0.70
261	MQR-1261	Steel balls for thrust washer	1	\$	2.20
262	MQR-1262	Steel balls for turntable	43	\$	3.60
263	MQR-1263	Pullout chain from vane	1	\$	18.50
264	MQR-1264	Wire for oil cup lid hinges	1	\$	3.30
265	MQR-1265	Pullout wire ropes	1	\$	26.50
266	MQR-1266	Bearing bush for connecting rod	1	\$	146.00
267	MQQ-1267	16' Bearing bush for driving shaft	1	\$	149.00
267	MRR-1267	18' Bearing bush for driving shaft	1	\$	156.00
272	MQR-1272	Syphon wicks	12	\$	40.80 pack
273	MQR-1273	Grease lub. Rollers for roller guide	1		POA
274	MQR-1274	Grease lub. Bottom guide for mast pipe	1		POA
276	MQR-1276	Split link for pullout chain	1	\$	1.90
277	MQR-1277	Bushes for crosshead (inc. with 10)	2	\$	74.20
278	MQR-1278	Ball cage for thrust washer	1	\$	140.00
279	MQR-1279	Taper washer for guide bar	1	\$	1.00
280	MQR-1280	Bolts - Mast pipe to main casting	1	\$	14.50
281	MQR-1281	Bolts - Mast pipe to main casting	1	\$	14.80
284	MQR-1284	Pullout wire	1		POA
286	MQR-1286-B4	Bolts - Mast pipe and brackets to main casting	4	\$	3.30
287	MQR-1287-B1	Bolts - Hinge casting to top oilbox	1	\$	0.80
288	MQR-1288-B1	Bolts - Hinge casting to bottom oilbox	1	\$	0.80
311	MQR-1311	Brass plug for Inner Collar oilbox	1	\$	58.00
315	MQR-1315	Leather washer for oil draining plug	1	\$	21.00
318	MQR-1318	Stop for mast pipe (from 1959)	1	\$	18.00
319	MQR-1319-B4	Set screws for stop for mast pipe (from 59)	4	\$	2.00

COMMON SPARE PARTS
20 - 22ft 'D' Pattern Mills

20 & 22FT 'D' PATTERN MILLS SPARE PARTS

ITEM No	CODE	DESCRIPTION	QTY	Ex GST	
					PRICE EA
		<i>MSS - 20' ONLY MTT - 22' ONLY MST - 20' & 22'</i>			
1	MST-1001	Main Casting	1	\$	4,424.00
2	MST-1002	Bearing cover on main casting	1	\$	640.60
3	MST-1003	Oil lid for bearing cover	1	\$	213.50
4	MST-1004	Mast pipe	1	\$	2,800.00
5	MST-1005	One piece crank and pin (fixed on shaft)	1		
6	MST-1006	Crank pin washer	1	\$	42.70
7	MSS-1007	20' Hub casting clamp-on type	1	\$	1,750.00
7	MTT-1007	22' Hub casting clamp-on type	1	\$	2,100.00
8	MST-1008	Connecting rod	1	\$	910.00
9	MST-1009	Oilbox lid for Con. Rod (until 1960)	1	\$	84.00
10	MST-1010	Crosshead Complete with Pin/Cotter Pin	1	\$	425.00
11	MST-1011	Swivel	1	\$	305.00
12	MST-1012	Tower cap	1	\$	380.00
13	MST-1013	Ball bearing turntable (lower)	1	\$	500.00
14	MST-1014	Ball bearing turntable (top)	1	\$	515.00
15	MST-1015	Oil box lids for turntable	1	\$	60.00
16	MST-1016	Bottom guide for mast pipe	1	\$	600.00
17	MST-1017	Roller on bottom guide	1	\$	92.50
18	MST-1018	Oil boxes on rollers	1	\$	128.00
19	MST-1019	Inner collar for pullout	1	\$	360.00
20	MST-1020	Outer collar for pullout	1	\$	230.00
21	MST-1021	Vane hinge casting	1	\$	720.30
22	MST-1022	Oilbox lid for bottom oil box for vane	1	\$	49.80
23	MST-1023	Bottom oil box for vane	1	\$	128.10
24	MST-1024	Top oil box for vane	1	\$	126.70
25	MST-1025	Self aligning washer for vane	1	\$	19.50
26	MST-1026	Oilbox lid for top oil box for vane	1	\$	49.80
27	MST-1027	Oilbox lid for roller oil box	1	\$	49.80
28	MST-1028	Spring buffer casting	1	\$	35.60
29	MST-1029	Buffer studs	1	\$	28.50
30	MST-1030	Washer on buffer bar	1	\$	11.40
31	MST-1031	Buffer box flange	1	\$	59.80
32	MST-1032	Chain roller on main casting	1	\$	39.80
33	MST-1033	Chain roller on pullout bars	1	\$	69.80
34	MST-1034	Oilboxes for crosshead (until 1960)	1	\$	26.80
35	MST-1035	Lids for crosshead oilboxes	1	\$	19.90
38	MST-1038	Balance Weights	2	\$	78.00
42	MST-1042	Pullout winch complete	1	\$	480.00
46	MSS-1046	20' Wheel arms	8	\$	149.00
46	MTT-1046	22' Wheel arms	10	\$	160.00
56	MSS-1056	20' Outer rim	8	\$	149.00
56	MST-1056	22' Outer rim	10	\$	159.00
58	MTT-1058	22' Middle rim	10	\$	129.00

COMET®

WINDMILL PRODUCTS

60	MSS-1060	20' Inner rim	8	\$	119.00
60	MTT-1060	22' Inner rim	10	\$	119.00
63	MST-1063	Steel draw bar	1	\$	178.00
64	MST-1064	Connecting straps on steel draw bar	1	\$	129.50
66	MST-1066	Guide bar	1	\$	42.70
67	MST-1067	Top bar for pullout bracket	1	\$	68.50
68	MST-1068	Bottom bar for pullout bracket	1	\$	18.80
70	MST-1070	Eye bolt for spring buffer	1	\$	19.00
71	MST-1071	Buffer and chain plate	1	\$	19.90
73	MST-1073	Check rod plate on vane	1	\$	8.40
74	MST-1074	Vane straps - inner	1	\$	12.60
74a	MST-1074A	Vane straps - inner middle	1	\$	12.00
75	MST-1075	Vane straps - middle	1	\$	12.80
76	MST-1076	Vane straps - outer	1	\$	12.80
77	MST-1077	Stays for inspection frame to main casting	1	\$	226.50
78	MST-1078	Foot plate	1	\$	39.00
85	MST-1085	Plain pin through shaft on hub	1	\$	14.20
86	MST-1086	Thrust collar	1	\$	175.00
89	MST-1089	Vane hinge rod	1	\$	169.40
90	MST-1090	Check rod for vane	1	\$	36.90
91	MST-1091	Guard rail for inspection frame	1		POA
93	MST-1093	Connecting link for pullout collar	1		POA
94	MST-1094	Check stud on mast pipe (until 1959)	1		POA
95	MST-1095	U clips for winch	1		POA
97	MST-1097	Pullout bracket stay	1	\$	10.70
98	MST-1098	U bolts for vane hinge casting	1	\$	18.00
99	MST-1099	U bolts for 71	1	\$	5.20
110	MST-1100	Vane hinge strap	1	\$	67.00
105	MST-1105	Vane stay straps	1		POA
110	MST-1110	Support angle for inspection frame	1		POA
111	MST-1111	Side angles for foot plate	1		POA
112	MST-1112	Inspection frame complete	1		POA
119	MSS-1119A	20' Driving shaft	1	\$	1,260.00
119	MTT-1119A	22' Driving shaft	1	\$	1,390.00
120	MST-1120	Crosshead pin (incl with 10)	1		n/a
121	MST-1121	Cotter pin for crosshead pin (incl with 10)	1		n/a
123	MST-1123	Axles for rollers on bottom guide	1	\$	21.40
127	MST-1127	Buffer spring	1	\$	60.00
128	MST-1128	Front Thrust Washer	1	\$	97.00
129	MST-1129	Back Thrust Washer	1	\$	102.30
130	MST-1130	Thrust washer complete	1	\$	407.00
134	MST-1134	Vane sheet complete	1		POA
136	MSS-1136	20' Sails	24	\$	129.00
136	MTT-1136	22' Sails	30	\$	136.00
139	MSS-1139	20' Outer sail bracket	24	\$	24.20
139	MTT-1139	22' Outer sail bracket	30	\$	28.20
141	MSS-1141	20' Middle sail bracket	24	\$	20.00
141	MTT-1141	22' Middle sail bracket	30	\$	25.20

20 & 22FT 'D' PATTERN MILLS SPARE PARTS

ITEM No	CODE	DESCRIPTION	QTY	PRICE EA	Ex GST
		<i>MSS - 20' ONLY MTT - 22' ONLY MST - 20' & 22'</i>			
143	MSS-1143	20' Inner sail bracket	24	\$ 24.20	
143	MTT-1143	22' Inner sail bracket	30	\$ 23.00	
144	MST-1144	Dust cover (with oilbox from 1960)	1	\$ 528.10	
145	MST-1145	Tool tray	1		POA
146	MST-1146	Chain guard below chain roller	1		POA
146a	MST-1146a	Packing washer for buffer	1		POA
148	MST-1148	Lower pullout chain	1	\$ 233.50	
150	MST-1150	Ferrule for chain roller	1		POA
158	MST-1158	Vane pipe	1		POA
160	MST-1160	Bolts - Arms to hub casting	6	\$ 4.00	
161	MST-1161	20' Bolts - Inner rims to arms	8	\$ 1.60	
161	MST-1161	22' Bolts - Inner rims to arms	10	\$ 1.60	
162	MST-1162	20' Bolts - Middle rim to arms	8	\$ 1.60	
162	MST-1162	22' Bolts - Middle rim to arms	10	\$ 1.60	
163	MST-1163	20' Bolts - Laps of middle rims	32	\$ 0.80	
163	MST-1163	22' Bolts - Laps of middle rims	40	\$ 0.80	
164	MST-1164	20' Bolts - Outer rims to arms	8	\$ 1.60	
164	MST-1164	22' Bolts - Outer rims to arms	10	\$ 1.60	
165	MST-1165	20' Bolts - Laps of outer rims	16	\$ 1.60	
165	MST-1165	22' Bolts - Laps of outer rims	20	\$ 1.60	
166	MST-1166	20' Bolts - Sail brackets to rims	144	\$ 0.50	
166	MST-1166	22' Bolts - Sail brackets to rims	180	\$ 0.50	
167	MST-1167	20' Bolts - Sail to sail brackets	216	\$ 0.50	
167	MST-1167	22' Bolts - Sail to sail brackets	270	\$ 0.50	
169	MST-1169	Bolts - Oil boxes to main casting	1	\$ 1.20	
170	MST-1170	Bolts - Oil boxes to bottom guide	1	\$ 1.20	
171	MST-1171	Bolts - Foot plate stays to main casting	1	\$ 1.20	
172	MST-1172	Bolts - Foot plate and stays to frame	1	\$ 1.20	
173	MST-1173	Bolts - Pullout collar to chain	1	\$ 1.20	
174	MST-1174	Bolts - Footplate frame to support	1	\$ 1.20	
176	MST-1176	Bolts - Guide bars to bottom guide	1	\$ 1.20	
180	MST-1180	Bolts - Vane sheet to frame	1	\$ 1.20	
181	MST-1181	Bolts - Bottom guide to tower	1	\$ 1.20	
182	MST-1182	Bolts - Pullout collar (outer)	1	\$ 1.20	
183	MST-1183	Bolts - Connecting straps to draw bar	1	\$ 1.20	
184	MST-1184	Bolts - Vane sheet to frame	1	\$ 1.20	
185	MST-1185	Bolts - Oilboxes to bottom guide	1	\$ 1.20	
186	MST-1186	Bolts - Guide roller bracket for pullout wire	1	\$ 1.20	
187	MST-1187	Bolts - Chain roller on pullout	1	\$ 1.20	
189	MST-1189	Bolts - Buffer to pullout bracket	1	\$ 1.20	
190	MST-1190	Bolts - Guard rail to support	1	\$ 1.20	
191	MST-1191	Bolts - Footplate support to main casting	1	\$ 1.20	
192	MST-1192	Bolts - Spring buffer body to cap	1	\$ 1.20	
194	MST-1194	Bolts - Buffer to stay and bracket	1	\$ 1.20	
195	MST-1195	Bolts - Pullout stays to main casting	1	\$ 1.20	
196	MST-1196	Bolts - Pullout bracket to main casting	1	\$ 1.20	

20 & 22FT 'D' PATTERN MILLS SPARE PARTS

ITEM No	CODE	DESCRIPTION	QTY	PRICE EA	Ex GST
<i>MSS - 20' ONLY MTT - 22' ONLY MST - 20' & 22'</i>					
197	MST-1197	Bolts - Main swivel	1	\$	3.10
198	MST-1198	Bolts - Main bearing cap	1	\$	2.20
200	MST-1200	Bolts - Hub casting	1	\$	8.00
201	MST-1201	Bolts - Connecting rod	1	\$	9.80
202	MST-1202	Bolts - Tool tray	1	\$	1.20
204	MST-1204	Bolts - Connecting straps to mill rod	1	\$	1.80
205	MST-1205	Bolts - Crank pin washer to crank	1	\$	4.80
206	MST-1206	Bolts - Tower cap to legs	1	\$	4.80
207	MST-1207	Bolts - Turntable to tower cap	1	\$	3.10
208	MST-1208	Bolts - Chain roller on main casting	1	\$	2.20
209	MST-1209	Bolts - Fish plates	1	\$	4.00
211	MST-1211	Nuts - Adjusting vane for vane (top)	1	\$	0.90
213	MST-1213	Nuts - Buffer eye bolt	1	\$	0.90
215	MST-1215	Set screw - Oil draining plug	1	\$	0.90
217	MST-1217	Set screw - Thrust collar	1	\$	0.90
219	MST-1219	Set screw - Top of vane hinge rod	1	\$	0.90
220	MST-1220	Set Screw - Bottom guide	1	\$	0.90
221	MST-1221	Set screw - Inner collar locking screw	1	\$	0.90
222	MST-1222	Set screw - Guide barsto tower rails	1	\$	0.90
230	MST-1230	Split pins - Oilbox cover on top vane hinge	1	\$	0.90
231	MST-1231	Split pins - Oilbox cover for bearing cover	1	\$	0.90
232	MST-1232	Split pins - Oilbox cover on bottom vane hinge	1	\$	0.90
233	MST-1233	Split pins - Bolts on main bearing	1	\$	0.90
234	MST-1234	Split pins - Eye bolt on buffer	1	\$	0.90
235	MST-1235	Split pins - Vane hinge rod	1	\$	0.90
236	MST-1236	Split pins - Pull-out collars to pipe (early mills only)	1	\$	0.90
237	MST-1237	Split pins - Pullout collar to chain	1	\$	0.90
239	MST-1239	Plain washer - Crank pin and bolt washer	1	\$	0.90
240	MST-1240	Plain washer - Guard rail to support	1	\$	0.90
262	MST-1262	Steel balls for turntable	43	\$	4.50
263	MST-1263	Pullout chain from vane	1	\$	129.00
264	MST-1264	Wire for oil cup lid hinges	1	\$	12.90
265	MST-1265	Pullout wire ropes	1	\$	13.90
266	MST-1266	Bearing bush for connecting rod	1	\$	212.00
267	MST-1267	Bearing bush for driving shaft	2	\$	227.00
269	MST-1269	Mill rods	1		POA
272	MST-1272	Syphon wicks	12	\$	28.80
273	MST-1273	Grease lub. Rollers for roller guide	1		POA
274	MST-1274	Grease lub. Bottom guide for mast pipe	1		POA
276	MST-1276	Split link for pullout chain	1		POA
277	MST-1277	Bushes for crosshead (incl with 10)	1		n/a
279	MST-1279	Taper washer for guide bar	1		POA
280	MST-1280	Bolt- Mast pipe to main casting	1	\$	165.00
281	MST-1281	Bolt- Mast pipe to main casting	1		POA
284	MST-1284	Pullout wire	1		POA
311	MST-1311	Brass plug for Inner Collar oilbox	1		POA
315	MST-1315	Leather washer for oil draining plug	1		POA

COMET[®]
WINDMILL PRODUCTS

318	MST-1318	Stop for mast pipe (from 1959)	1	\$	27.50
319	MST-1319	Set screws for stop for mast pipe (from 59)	1		POA

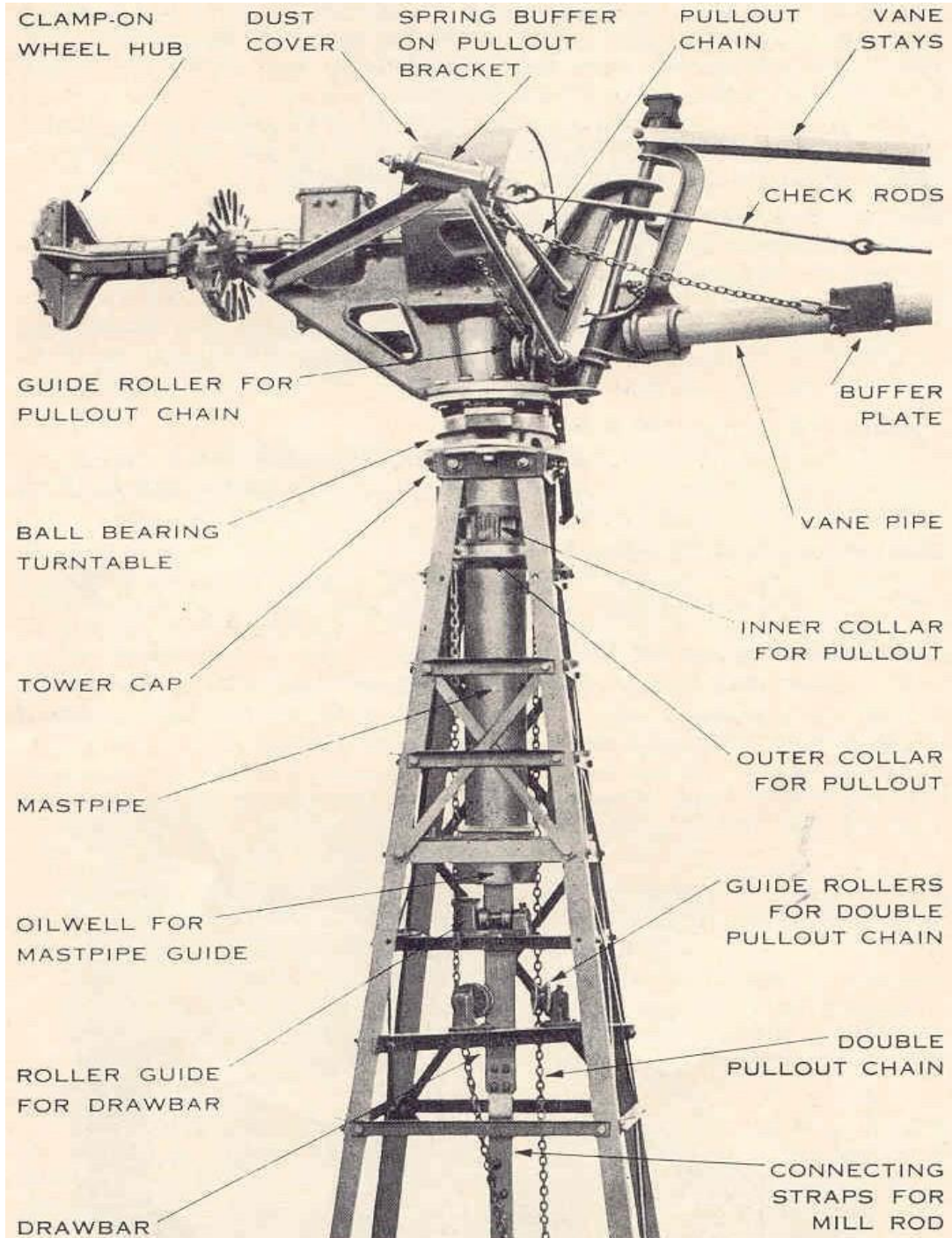
PARTS ILLUSTRATION
24, 27, 30ft D PATTERN WINDMILLS

HOW TO ORDER GENUINE COMET SPARE PARTS

When ordering GENUINE spare parts it is important to state:

1. Part Number 2. Name of Part 3. Size of Mill 4. Registered Serial Number of Mill*

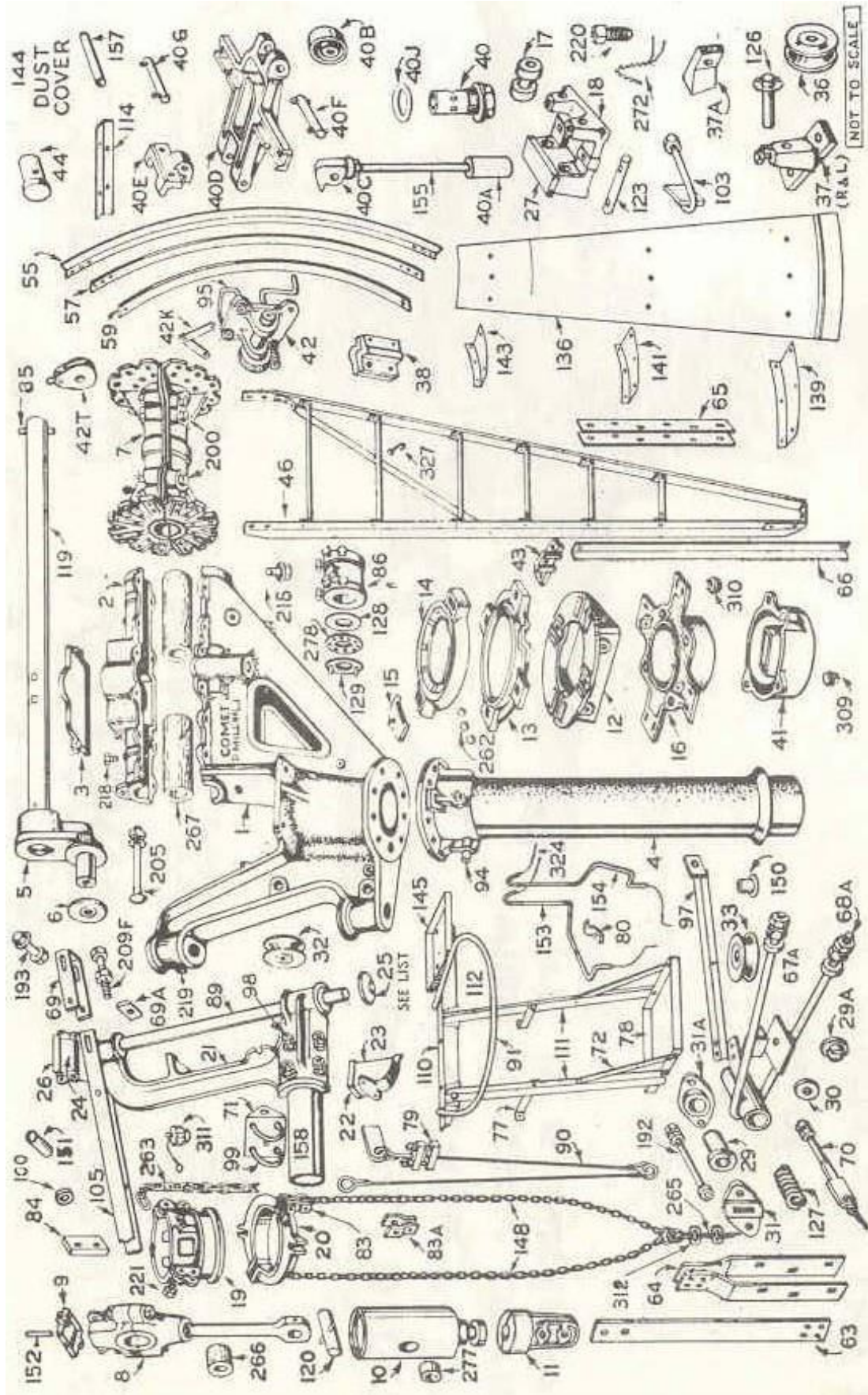
* When any improvements are made in Comet Mills a proper record is kept in our Office. The alterations are recorded against the size and serial numbers of the mills that have the alterations, and also the period over which the alterations hold good. Delay is avoided if the serial number of the mill is supplied when ordering genuine spare parts which also ensures the genuine parts are correct. The size and registered serial number of COMET Mills are found on the side of the main casting, the vane sheet and driving shaft (crank).



D' Pattern Mill, less wheel and vane. Note the totally enclosed design, simplicity of construction and great strength of all components.

ONLY USE GENUINE COMET QUALITY PARTS

PARTS ILLUSTRATION
24, 27, 30ft D PATTERN WINDMILLS



LIST OF PARTS 24, 27, 30ft D PATTERN MILLS

Product Codes:

MUU - 24' ONLY; MVV - 27'; MWW - 30' ONLY; MVW - 27', 30'; MUW - 24', 27' & 30'

CASTINGS

1 Main Casting	40C Oil Pump Outlet Casting (Integral with Part 155 since 1952)
2 Bearing Cover on Main Casting	40D Oil Pump Rocker Arm & Distributor
3 Oilbox Lid for Bearing Cover	40E Oil Pump Bracket for Rocker Arm
4 Mast Pipe	40F Oil Pump Knuckle Pins
5 One-piece Crank and Pin (Fixed on shaft)	40G Oil Pump Hinge Pin
6 Crank Pin Washer	40J Oil Pump Washer for Cylinder
7 Hub Casting Clamp-on Type	41 Oil Well for Mast Pipe
8 Connecting Rod	42 Pullout Winch complete (Frame Barrel, Worm, Handle and Rope)
9 Oilbox Lid for Conn. Rod (Until 1960)	42A Winch Frame Casting for Pullout
10 Crosshead	42B Barrel of Winch
11 Swivel	42C Worm
12 Tower Cap	42D Handle
13 Bottom Part of Ball-Bearing Turntable	42K Rope Anchor Links above Winch
14 Top Part of Ball-Bearing Turntable	42R Wire Rope on Winch
15 Oilbox Lids for Turntable	42S Baseplate for Winch (44' x 30 Towers Up)
16 Bottom Guide for Mast Pipe	42T Pulley Block for Winch
17 Rollers for Roller Guide	43 Brackets on Tower for Guide Bars (Integral with Guide Bar from 1960)
18 Roller Guide Spindle Bearing with Oilbox	44 Balance Weight for Vane Pipe
18A Packing Pieces for Tower Rails	
19 Inner Collar for Pullout – right half	
19A Inner Collar for Pullout – left half	
20 Outer Collar for Pullout	
21 Vane Hinge Casting	
22 Oilbox Lid for 23	
23 Bottom Oilbox for Vane	
24 Top Oilbox for Vane	
25 Self-aligning Washer for Vane (27/30')	
26 Oilbox Lid for 24	
27 Oilbox Lid for 18	
28 Spring Buffer Casting (27/30')	
28A Tubular Spring Buffer Body with Pullout Bracket Arms, 67A and 68A, and Chain Guard, 146, welded on (24')	
29 Buffer Studs	
29A Washer for Spring on Eyebolt	
30 Washer on Buffer Bar	
31 Buffer Box Flange – front	
31A Buffer Box Flange – back (24')	
32 Chain Roller on Main Casting	
33 Chain Roller on Pull-out Bars	
36 Guide Roller for Pull-out chain	
37 Guide Roller Brackets – 1 R.H., 1 L.H	
37A Packing Piece for Guide Roller Rail	
38 Balance Weights for Wheel	
39 Top Distance Casting between Chain Roller and Top Pullout Bracket Arm (27/30')	
39A Bottom Distance Casting between Chain Roller and Bottom Pullout Bracket Arm (27/30')	
40 Oil Pump Displacer Cylinder	
40A Oil Pump Plunger	
40B Oil Pump Cam Roller	
	FLAT BAR PARTS
	45 Wheel Arms – Complete Set
	46 Wheel Arm – one only
	54 Rims – complete set
	55 Outer Rims – complete
	56 Outer Rim – one only
	57 Middle Rims – complete
	58 Middle Rim – one only
	59 Inner Rims – complete
	60 Inner Rim – one only
	63 Steel Draw Bar
	64 Connecting Straps on Steel Draw Bar
	65 Fish Plates joining Mill Rods
	66 Guide Bars for Outer Collar
	67 Top Bar for Pull-out Bracket (27/30')
	68 Bottom Bar for Pull-out Bracket (27/30')
	69 'U' Strap for Adjusting Vane Stays. (24' until 1952; 27/30' until 1953)
	70 Eye Bolt for Spring Buffer
	71 Buffer and Chain Plate
	72 Flat Braces for Footplate
	73 Check Rod Plate on Vane (welded on)
	74 Vane Straps – inner
	74A Vane Straps – inner middle
	75 Vane Straps – middle
	76 Vane straps – outer
	77 Stay for Inspection Frame to Main Casting – long
	77A Stay for Inspection Frame to Main Casting – short
	78 Foot Plate

LIST OF PARTS 24, 27, 30ft D PATTERN MILLS

Product Codes:

MUU - 24' ONLY; MVV - 27'; MWW - 30' ONLY; MVW - 27', 30'; MUW - 24', 27' & 30'

79 Shackle on Check Rod to Vane 27/30' only – until 1953

80 Clip for Crosshead Oil Tubes

83 Connecting Links – Chain to Inner Collar

83A Connecting Links – Chain to Outer Collar

84 Inner Collar Guide Key

105 Vane Stays

ROUND BAR PARTS

85 Plain Pin through Shaft on Hub

86 Thrust Collar

89 Vane Hinge Rod

90 Check Rod for Vane

91 Guard Rail for Inspection Frame, Welded to Support Angle

93 Long Link – Pullout Collar to Conn. Link

94 Check Stud on Mast Pipe (Until 1959)

95 'U' Clips for Winch

97 Pull-out Bracket Stay

98 'U' Bolts for Vane Hinge Casting

99 'U' Bolts for 71

100 Spacer between Connecting Links

103 Hook Bolts for 107A

ANGLE STEEL PARTS

107 Support Rails for Roller Guide

107A Support Rails for Guide Roller

110 Support Angle for Inspection Frame

111 Side Angles for Footplate

112 Inspection Frame Complete

114 Stiffening Angle for Dust Cover

POLISHED STEEL PARTS

119 Driving Shaft (fitted with Crank & Pin)

120 Crosshead Pin

121 Cotter Pin for Crosshead Pin

123 Spindles for Roller Guide

126 Axles for Guide Rollers

SPRING STEEL PARTS

127 Buffer Spring

128 Front Thrust Washer

129 Back Thrust Washer

130 Thrust Washer Complete (Front Back & Balls with Cage)

GALVANISED IRON PARTS

134 Vane Sheet Complete

135 Sails – complete set

136 Sail – one only

137 Sail Brackets – complete set

138 Outer Sail Brackets – complete set

139 Outer Sail Bracket – one only

140 Middle Sail Brackets – complete set

141 Middle Sail Bracket – one only

142 Inner Sail Brackets – complete set

143 Inner Sail Bracket – one only

144 Dust Cover (With Oilbox from 1960)

145 Tool Tray

146 Chain Guard below 33

TUBE PARTS

150 Ferrule for Chain Roller

151 Spacer on Vane Stays

152 Oil Tube for Conn. Rod

153 Oil Tube for Crosshead – R.H

154 Oil Tube for Crosshead – L.H

155 Oil Pump Tube for Oil Plunger

157 Distance Pipe for Dust Cover

158 Vane Pipe

BOLTS FOR WHEEL

160 Arms to Hub Casting

161 Inner Rims to Arms

162 Middle Rims to Arms

163 Laps of Middle Rims

164 Outer Rims to Arms

165 Laps of Outer Rims

166 Sail Brackets to Rims

167 Sail to Sail Brackets

BOLTS FOR MILL HEAD & VANE

170 Roller Guide Support Rails to Tower

171 Footplate Stays to Main Casting

172 Footplate & Stays to Frame

172A Footplate Braces to Footplate

172B Footplate Braces to Side Angles

173 Pullout Collar to Connecting Links

174 Footplate Frame to Support

175 Guide Bar Bracket to Tower Rail

176 Guide Bars to Bottom Guide

177 Guide Bars to Guide Bar Bracket (Until 1960)

178 Inner Pullout Collar

179 Inner Pullout Collar Dowel Bolt

179A Inner Pullout Collar Dowel Bolt

180 Vane Straps and Stays to Pipe

181 Bottom Guide to Tower

182 Pullout Collar (Outer)

183 Connecting Straps to Draw Bar

184 Vane Sheet to Straps

185 Oil Well to Bottom Guide

186 Guide Roller Bracket to Support Angle

187 Chain Roller on Pull-out

188 Clamp Bolts – Vane Straps and Sheet to Pipe

189 Top Bracket Bar to Buffer Casting (27/30')

189A Bottom Bracket Bar to Buffer Casting (27/30')

191 Footplate support to Main Casting

192 Spring Buffer Body to Flanges (24')

192A Spring Buffer Body to Flange (27/30')

193 Vane Stays to Hinge Casting

194 Bottom Bar to Buffer Casting (27/30')

194A Stay to Buffer

195 Bottom Bar to Main Casting (27/30')

195A Stay to Main Casting

196 Top Bar to Buffer Casting (27/30')

196A Top Bar to Main Casting (27/30')

LIST OF PARTS 24, 27, 30ft D PATTERN MILLS

Product Codes:

MUU - 24' ONLY; MVV - 27'; MWW - 30' ONLY; MVW - 27', 30'; MUW - 24', 27' & 30'

197 Main Swivel	231 Oilbox Cover for Bearing Cover
198 Main Bearing Cap – Long	232 Oilbox Cover for Bottom Vane Hinge
198A Main Bearing Cap – Short	233 Oilpump Cam Roller
199 Top Distance Casting (39) to Angle (27/30')	234 Eye Bolt on Buffer
199A Bottom Distance Casting (39A) to Angle (27/30')	235 Guide Roller Axles
200 Hub Casting	236 Roller Guide Spindles
201 Connecting Rod	236A Conn. Rod Oilbox Lid (until 1960)
202 Bolts for Tool Tray	237 Turntable Oilbox Lid
204 Connecting Straps to Mill Rod	PLAIN WASHERS
205 Crank Pin Washer to Crank	235A Washers for 235
206 Tower Cap to Legs	239 Crank Pin Bolt Washer
207 Turntable to Tower Cap	242 Distance Washer for Eye Bolt
208 Chain Roller on Main Casting	331 Washer under Chain Roller
209 Fish Plates	LOCK WASHERS FOR WHEEL BOLTS
209F Adjusting Screw for 69 (24' until 1952) (27/30' until 1953)	For Galvd. Bolts through Sails and Brackets.
280 Mast Pipe to Main Casting	For Bolts through Rims and Arms
280A Mast Pipe to Main Casting – Fitted	For Bolts through Arms and Hub Casting
287 Hinge Casting to Top Oilbox	(Most of the other bolts in mill also have lock washers)
288 Hinge Casting to Bottom Oilbox	SUNDRIES
289 Connecting Links to Long Link	148 Lower Pullout Chains
325 Dust Cover to Main Casting	229 Locking Wire for 280 & 280A
326 Dust Cover to Main Casting	261 Steel Balls for Thrust Washer
328 Balance Weights on Wheel	262 Steel Balls for Turntable
328A Balance Weight on Vane	263 Pull-out Chain from Vane
329 Roller Guide Casting to Rails	264 Wire for Oil Cup Lid Hinges
330 Chain Roller Bracket to Pullout Bracket (27/30')	265 Pull-out Wire Rope
LOOSE NUTS	266 Bearing Bush for Connecting Rod
211 Adjusting Screws for Vane (top)	267 Bearing Bush for Driving Shaft
212 Lock Nut for 209F	269 Mill Rods
213 Buffer Eye Bolt	272 Syphon Wicks for Oil Boxes – complete set
213A Nuts for Arms 67A & 68A (24')	273 Syphon Wicks – Roller Guide Oilbox
214 Nuts for 98	274 Syphon Wick for Conn. Rod
214A Nuts for 99	276 Split Link for Pullout Chain
SET SCREWS	277 Bushes for Crosshead
215 Oil Draining Plug	278 Ball Cage for Thrust Washer
216 Guide Roller Axle	309 Filling Plug – Mast Pipe Oil Well
216A Oil Level Set Screw	310 Draining Plug – Mast Pipe Oil Well
217 Thrust Collar	311 Brass Plug for Inner Collar Oilbox
218 Top Cover to H. W. Bearings	312 Wire Rope Clips for 265
219 Vane Hinge Rod Adjustor	312A Thimbles for 265
220 Roller Guide Spindle	315 Leather Washer for 215
220A Roller Guide Spindle Set Screws with Oil Hole	318 Stop for Mast Pipe (from 1960)
221 Inner Collar Locking Screw	324 Long Syphon Wicks for Crosshead Oil Tubes
319 Set Screws for 318 (from 1960)	327 Hook Bolts on Wheel Arms
SPLIT PINS	337 Leather Washer for Oil Level Plug
230 Oilbox Cover on Top Vane Hinge	338 Leather Washer between Hub and Main Casting
	339 Leather Washer for 310

COMMON SPARE PARTS

24, 27, 30 ft 'D' Pattern Mills

24, 27, 30FT 'D' PATTERN MILLS SPARE PARTS

MUU - 24' ONLY MVV- 27' ONLY MWW - 30' ONLY MVW 27, 30FT MUW 24', 27' & 30'

CASTINGS			Ex GST	
ITEM No	CODE	DESCRIPTION	QTY	PRICE EA
1	MUU 1001	Main Casting 24ft	1	POA
1	MVW 1001	Main Casting 27/30ft	1	POA
2	MUU 1002	Bearing Cover on Main Casting 24ft	1	\$ 702.00
2	MVW 1002	Bearing Cover on Main Casting 27/30ft	1	\$ 915.00
3	MUU 1003	Oilbox Lid for Bearing Cover 24ft	1	\$ 181.80
3	MVW 1003	Oilbox Lid Bearing Cover 27/30ft	1	\$ 194.00
4	MUU 1004	Mast pipe with Stop Bracket 24ft	1	\$ 3,400.00
4	MVW 1004	Mastpipe with Stop Bracket 27/30ft	1	\$ 3,700.00
5	MUW 1005	One-Piece Crank and Pin (Fixed on Shaft)	1	\$ 1,495.00
6	MUW 1006	Crank Pin Washer 24/27/30ft	1	\$ 42.70
7	MUU 1007	Hub Casting- Clamp on Type 24ft	1	\$ 2,800.00
7	MVV 1007	Hub Casting- Clamp On Type 27ft	1	\$ 2,800.00
7	MWW 1007	Hub Casting- Clamp On Type 30ft	1	\$ 2,800.00
8	MUU 1008	Connecting Rod 24ft	1	\$ 1090.00
8	MVW 1008	Connecting Rod 27/30ft	1	\$ 1,260.00
9	MUW 1009	Oilbox Lid for Con Rod (until 1960)	1	\$ 42.00
10	MUW 1010	Crosshead 24/27/30ft c/w bush/pin	1	\$ 790.00
11	MUW 1011	Swivel 24/27/30ft	1	\$ 410.00
12	MUU 1012	Tower Cap 24ft	1	\$ 598.50
12	MVW 1012	Tower Cap 27/30ft	1	\$ 525.00
13	MUU 1013	Lower Turntable 24ft	1	\$ 695.00
13	MVW 1013	Lower Turntable 27/30ft	1	\$ 725.00
14	MUU 1014	Upper Turntable 24ft	1	\$ 590.00
14	MVW 1014	Upper Turntable 27/30ft	1	\$ 630.00
15	MUU 1015	Oil Box Lids for Turntable 24ft	1	\$ 62.10
15	MVW 1015	Oil Box Lids for Turntable 27/30ft	1	\$ 71.20
16	MUU 1016	Bottom Guide for Mast Pipe	1	\$ 880.00
17	MUW 1017	Rollers for Roller Guide 24/27/30ft	1	\$ 82.80
18	MUW 1018	Roller Guide Spindle Bearing w/- Oilbox	1	\$ 310.50
19	MUW 1019	Inner Collar for Pullout Right Half- 24/27/30ft	1	\$ 550.00
19A	MUW 1019A	Inner Collar for Pullout Left Half- 24/27/30ft	1	\$ 550.00
20	MUU 1020	Outer Collar for Pullout 24ft	1	\$ 290.00
20	MUW 1020	Outer Collar for Pullout 24/27/30ft	1	\$ 370.00
21	MUU 1021	Vane Hinge Casting 24ft	1	\$ 680.00
21	MVW 1021	Vane Hinge Casting 27/30ft	1	\$ 750.00
22	MUW 1022	Oilbox Lid for 23	1	\$ 235.00
23	MUW 1023	Bottom Oilbox Box for Vane 24/27/30ft	1	\$ 112.60
24	MUW 1024	Top Oilbox for Vane 24/27/30ft	1	\$ 126.80
25	MVW 1025	Self Aligning Washer for Vane 27/30ft	1	\$ 48.00
26	MUU 1026	Oilbox Lid for 24	1	\$ 295.00
27	MUW 1027	Oilbox Lid for 18	1	\$ 49.80
28	MVW 1028	Spring Buffer Casting 27/30ft	1	POA
28A	MUU 1028	Tubular Spring Buffer Body with Pullout Bracket Arms, 67A and 68A, and Chain Guard 146 welded on	1	POA
29	MUW 1029	Buffer Studs	1	POA
29A	MUW1029A	Washer for spring on eyebolt	1	POA
30	MUW 1030	Washer on Buffer Bar	1	POA

COMET®

WINDMILL PRODUCTS

24, 27, 30FT 'D' PATTERN MILLS SPARE PARTS

MUU - 24' ONLY MVV- 27' ONLY MWW - 30' ONLY MVW 27, 30FT MUW 24', 27' & 30'

ITEM No	CODE	DESCRIPTION	QTY	Ex GST PRICE EA
31	MVW1031	Buffer Box Flange – Front	1	POA
31A	MUU1031	Buffer Box Flange – Rear	1	POA
32	MUU1032	Chain Roller on Main Casting 24ft	1	\$ 71.20
32	MVW 1032	Chain Roller on Main Casting 27/30ft	1	\$ 135.00
33	MUU 1033	Chain Roller on Pullout Bars 24ft	1	\$ 85.10
33	MVW 1033	Chain Roller on Pullout Bars 27/30ft	1	\$ 146.80
36	MUU 1036	Guide Roller for Pullout Chain 24ft	1	\$ 136.80
36	MVW 1036	Guide Roller for Pullout Chain 27/30ft	1	\$ 149.40
37	MUW 1037	Guide Roller Brackets 1 LH, 1 RH 24/27/30ft	1	\$ 29.00
37A	MUW 1037A	Packing Piece for Guide Roller Rail 24/27/30ft		\$ 256.20
38	MUW 1038	Balance Weights for Wheel 24/27/30ft		\$ 123.90
40	MUU 1040	Oil Pump Displacer Cylinder 24ft	1	\$ 384.00
40	MVW 1040	Oil Pump Displacer Cylinder 27/30ft	1	\$ 498.20
40A	MUW 1040A	Oil Pump Plunger		POA
40B	MUW 1040B	Oil Pump Cam Roller		POA
40C	MUW 1040C	Oil Pump Outlet Casting for 155 (after 1952)		POA
40D	MUW 1040D	Oil Pump Rocker Arm & Distributor		POA
40E	MUW 1040E	Oil Pump Bracket for Rocker Arm		POA
40F	MUW 1040F	Oil Pump Knuckle Pins		POA
40G	MUW 1040G	Oil Pump Hinge Pin		POA
41	MUU 1041	Oil Well for Mast Pipe 24ft	1	\$ 225.00
41	MUW 1041	Oil Well for Mast Pipe 24/27/30ft		\$ 504.70
42	MUW 1042	Pullout Winch Complete (Frame, Barrel, Worm, Handle and Rope)		\$ 1073.70
42A	MUW 1042A	Winch Frame Casting for Pullout		POA
42B	MUW 1042B	Barrel of Winch		POA
42C	MUW 1042C	Worm		POA
42D	MUW 1042D	Handle		POA
42K	MUW 1042K	Rope Anchor Links above Winch		POA
42R	MUW 1042R	Wire Rope on Winch		POA
42S	MUW 1042S	Baseplate for Winch (44' x 30 Towers Up)		POA
42T	MUW 1042T	Pulley Block for Winch		POA
43	MUW 1043	Brackets on Tower for Guide Bars (from 1960)		POA
44	MUW 1044	Balance Weight for Vane Pipe		POA
FLAT BAR PARTS				
46	MUU 1046	Wheel Arm - One Only 24ft	1	\$ 450.00
46	MVV 1046	Wheel Arm - One Only 27ft	1	\$ 600.00
46	MWW 1046	Wheel Arm - One Only 30ft	1	\$ 658.00
55	MVV 1055	Outer Rims - Complete Set 27ft		POA
55	MWW 1055	Outer Rims - Complete Set 30ft		POA
56	MUU 1056	Outer Rim - One Only 24ft		POA
56	MVV 1056	Outer Rim - One Only 27ft		POA
56	MWW 1056	Outer Rim - One Only 30ft		POA
57	MUU 1057	Middle Rims - Complete Set 24ft		POA
57	MVV 1057	Middle Rims - Complete Set 27ft		POA
57	MWW 1057	Middle Rims - Complete Set 30ft		POA

COMET®

WINDMILL PRODUCTS

24, 27, 30FT 'D' PATTERN MILLS SPARE PARTS

MUU - 24' ONLY MVV- 27' ONLY MWW - 30' ONLY MVW 27, 30FT MUW 24', 27' & 30'

ITEM No	CODE	DESCRIPTION	QTY	Ex GST PRICE EA
58	MUU 1058	Middle Rim - One Only 24ft		\$ 103.50
58	MVV 1058	Middle Rim - One Only 27ft		\$ 116.50
58	MWW 1058	Middle Rim - One Only 30ft		\$ 135.90
59	MUU 1059	Inner Rims - Complete Set 24ft		POA
59	MUU 1059	Inner Rims - Complete Set 27ft		POA
59	MUU 1059	Inner Rims - Complete Set 30ft		POA
60	MUU 1060	Inner Rim - One Only 24ft		\$ 84.10
60	MVV 1060	Inner Rim - One Only 27ft		\$ 97.10
60	MWW 1060	Inner Rim - One Only 30ft		\$ 115.20
63	MUU 1063	Steel Draw Bar 24ft		\$ 265.30
63	MVV 1063	Steel Draw Bar 27/30ft		\$ 368.80
64	MUW 1064	Connecting Straps on Steel Draw Bar 24/27/30ft		\$ 142.40
65	MUW 1065	Fish Plates joining Mill Rods		POA
66	MUU 1066	Guide Bars for Outer Collar 24ft		\$ 89.30
66	MVV 1066	Guide Bars for Outer Collar 27/30ft		\$ 200.60
67	MVV 1067	Top Bar for Pullout Bracket 27/30ft		POA
69	MUW 1069	U Strap for Adjusting Vane Stays (Until 1953)		POA
74	MUW 1074	Vane Straps - Inner		POA
74A	MUW 1074A	Vane Straps - Inner Middle		POA
75	MUW 1075	Vane Straps - Middle		POA
76	MUW 1076	Vane Straps - Outer		POA
78	MUW 1078	Foot Plate		POA
	MUW 1079	Shackle on Check Rod to Vane 27/30' only til 1953		POA
79				
105	MUU 1105	Vane Stay Strap (Pair) 24ft		\$ 230.40
105	MVV 1105	Vane Stay Strap (Pair) 27ft		\$ 265.30
105	MWW 1105	Vane Stay Strap (Pair) 30ft		\$ 297.70
		ROUND BAR PARTS		
85	MUU 1085	Plain Pin through Shaft on Hub 24ft		\$ 12.30
85	MVV 1085	Plain Pin through Shaft on Hub 27/30ft		\$ 15.50
86	MUU 1086	Thrust Collar 24ft		\$ 293.80
86	MVV 1086	Thrust Collar 27/30ft		\$ 368.80
89	MUU 1089	Vane Hinge Rod 24ft		\$ 204.50
89	MVV 1089	Vane Hinge Rod 27/30ft		\$ 230.40
90	MUW 1090	Check Rod for Vane		POA
103	MUU 1103	Hook Bolts for 107A 24ft		\$ 32.40
103	MVV 1103	Hook Bolts for 107A 27/30ft		\$ 36.20
		ANGLE STEEL PARTS		
107	MUW 1107	Support Rails for Roller Guide		POA
107A	MUW 1107A	Support Rails for Guide Roller		POA
112	MUW 1112	Inspection Frame Complete		POA
		POLISHED STEEL PARTS		
119	MUU 1119	Driving Shaft with Crank & Crank Pin 24ft		\$ 1,260.00
119	MVV 1119	Driving Shaft with Crank & Crank Pin 27ft		\$ 1,280.00
119	MWW 1119	Driving Shaft with Crank & Crank Pin 30ft		\$ 1,395.00
120	MUW 1120	Crosshead Pin 24/27/30ft		\$ 65.60
121	MUW 1121	Cotter Pin for Crosshead Pin 24/27/30ft		\$ 5.20
123	MUW 1123	Spindles for Roller Guide		\$ 17.10
126	MUW 1126	Axles for Guide Rollers		POA

24, 27, 30FT 'D' PATTERN MILLS SPARE PARTS

MUU - 24' ONLY MVV- 27' ONLY MWW - 30' ONLY MVW 27, 30FT MUW 24', 27' & 30'

ITEM No	CODE	DESCRIPTION	QTY	Ex GST PRICE EA
SPRING STEEL PARTS				
127	MUW 1127	Buffer Spring		POA
128	MUU 1128	Front Thrust Washer 24ft		POA
128	MVV 1128	Front Thrust Washer 27ft		POA
128	MWW 1128	Front Thrust Washer 30ft		POA
129	MUU 1129	Back Thrust Washer 24ft		POA
129	MVV 1129	Back Thrust Washer 27ft		POA
129	MWW 1129	Back Thrust Washer 30ft		POA
130	MUU 1130	Thrust Washer Complete 24ft	\$	390.00
130	MVV 1130	Thrust Washer Complete 27ft	\$	425.00
130	MWW 1130	Thrust Washer Complete 30ft	\$	435.00
131	MUU 1131	Ball Cage and Balls 24ft	\$	199.30
131	MVV 1131	Ball Cage and Balls 27ft	\$	225.20
131	MWW 1131	Ball Cage and Balls 30ft	\$	235.50
GALVANISED IRON PARTS				
134	MUU 1134	Vane Sheet Complete 24ft	\$	550.00
134	MVV 1134	Vane Sheet Complete 27ft	\$	640.00
134	MWW 1134	Vane Sheet Complete 30ft	\$	700.00
135	MUU 1135	Sails - Complete Set 24ft		POA
135	MVV 1135	Sails - Complete Set 27ft		POA
135	MWW 1135	Sails - Complete Set 30ft		POA
136	MUU 1136	Sail - One Only 24ft	\$	175.00
136	MVV 1136	Sail - One Only 27ft	\$	195.00
136	MWW 1136	Sail - One Only 30ft	\$	240.00
137	MUW 1137	Sail Brackets - Complete Set		POA
139	MUW 1139	Outer Sail Bracket 24/27/30ft	\$	32.40
141	MUW 1141	Middle Sail Bracket 24/27/30ft	\$	31.10
143	MUW 1143	Inner Sail Bracket 24/27/30ft	\$	28.50
144	MUU 1144	Dust Cover with Oilbox from 1960 24ft	\$	515.10
144	MVV 1144	Dust Cover with Oilbox from 1960 27/30ft	\$	582.40
145	MUW 1045	Tool Tray		POA
TUBE PARTS				
158	MUU 1158	Vane Pipe with Check Rods & Shackle 24ft	\$	750.00
158	MVV 1158	Vane Pipe with Check Rods & Shackle 27ft	\$	870.00
158	MWW 1158	Vane Pipe with Check Rods & Shackle 30ft	\$	980.00
BOLTS FOR WHEEL				
160	MUW 1160	Arms to Hub Casting		POA
161	MUW 1161	Inner Rims to Arms		POA
162	MUW 1162	Middle Rims to Arms		POA
163	MUW 1163	Laps of Middle Rims		POA
164	MUW 1164	Outer Rims to Arms		POA
165	MUW 1165	Laps of Outer Rims		POA
166	MUW 1166	Sail Brackets to Rims		POA
167	MUW 1167	Sail to Sail Brackets		POA

24, 27, 30FT 'D' PATTERN MILLS SPARE PARTS

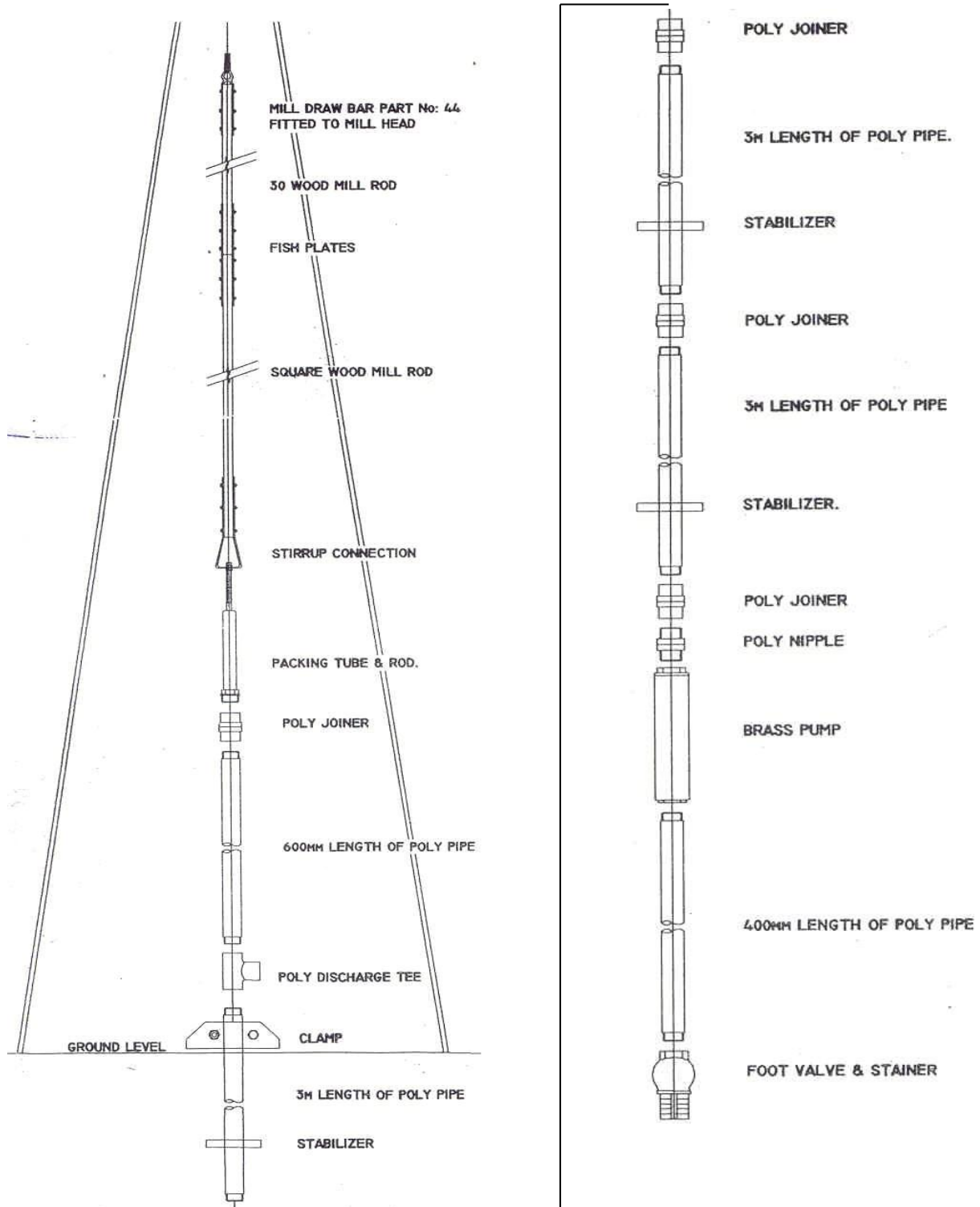
ITEM No	CODE	DESCRIPTION	QTY	Ex GST PRICE EA
		BOLTS FOR MILL HEAD & VANE		
205	MUW 1205	Crankpin Washer to Crank		\$ 7.80
170 - 209 and 280, 287-289, 325-330 Bolts for Mill Head & Vane				
		LOOSE NUTS		
211	MUW 1211	Adjusting Screws for Vane (top)		POA
212	MUW 1212	Lock Nut for 209F		POA
213	MUW 1213	Buffer Eye Bolt		POA
213A	MUW 1213A	Nuts for Arms 67A & 68A (24')		POA
215 to 221 SET SCREWS				
230 TO 237 SPLIT PINS				
		PLAIN WASHERS		
235A		Washers for 235		POA
239		Crank Pin Bolt Washer		POA
242		Distance Washer for Eye Bolt		POA
331		Washer under Chain Roller		POA
		LOCK WASHERS FOR WHEEL BOLTS		
		For Galvd. Bolts through sails and brackets.		POA
		For bolts through rims and arms		POA
		For bolts through arms and hub casting (Most of the other bolts in mill also have lock washers)		POA
		SUNDRIES		
148	MUW 1148	Lower Pullout Chains 24/27/30ft		\$ 320.90
261	MUW 1261	Steel Balls for Thrust Washer		
262	MUW 1262	Steel Balls for Turntable		\$ 5.50
	MUU 1263	Pullout Chain From Vane 24ft		\$ 75.10
	MVW 1263	Pullout Chain From Vane 27/30ft		\$ 84.10
	MUW 1265	Pullout Wire Rope 24/27/30ft		\$ 84.10
***	MUU 1266	Bearing Bush for Connecting Rod 24ft		\$ 195.00
**	MVW 1266	Bearing Bush for Connecting Rod 27ft		\$ 225.00
	MUU 1267	Bearing Bush for Driving Shaft 24ft		\$ 215.00
	MVW 1267	Bearing Bush for Driving Shaft 27ft		\$ 235.00
	MWW 1267	Bearing Bush for Driving Shaft 30ft		\$ 360.00
269		Mill Rods		POA
272	MUW 1272	Syphon Wicks for Oil Boxes - complete set	12	POA
273	MUW 1272	Syphon Wicks Roller Guide Oilbox	24	POA
274	MUW 1274	Syphon Wicks for Conn Rod		POA
277	MUW 1277	Bushes for Crosshead		n/a
278	MUW 1278	Ball Cage for Thrust Washer		POA
338	MWW 1338	Leather Washer between Hub and Main Casting		\$ 15.00

POLYPRO COLUMN AND RODS

Now Available

ABOVE GROUND ASSEMBLY

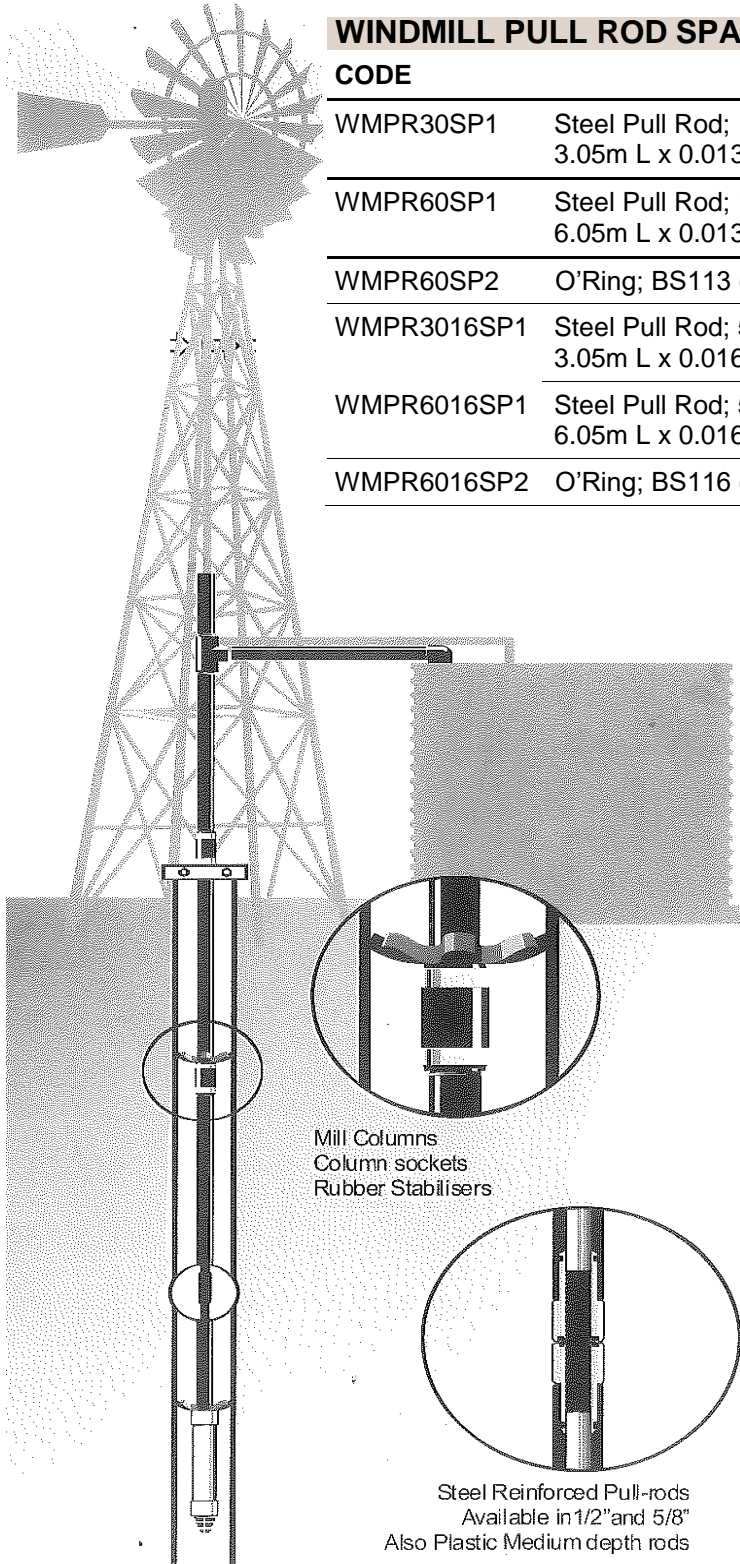
UNDERGROUND ASSEMBLY



6/8 Ft Mills use 1½" delivery column and 1¼" Suction Pipe.
 10/12 Ft Mills use 2" delivery column and 1¼" Suction Pipe.
 14 Ft Mills use 2" delivery column and 1½" Suction Pipe.
 Hollow Polyrods are for 6/8 Ft Mills.
 Solid Steel reinforced rods are for 10/12/14 Ft Mills.
 Fittings vary in size to match up rods which are matched for length with columns.

WINDMILL PARTS

PULL ROD SPARE PARTS



WINDMILL PULL ROD SPARE PARTS

CODE		WEIGHT	PRICE
WMPR30SP1	Steel Pull Rod; 12BSW MM; 3M 3.05m L x 0.013m OD	2.94kg	POA
WMPR60SP1	Steel Pull Rod; 12BSW MM; 6M 6.05m L x 0.013m OD	6kg	POA
WMPR60SP2	O'Ring; BS113 (For 12BSW; St'l RF-PP ROD)		POA
WMPR3016SP1	Steel Pull Rod; 58BSW MM; 3M 3.05m L x 0.016m OD		POA
WMPR6016SP1	Steel Pull Rod; 58BSW MM; 6M 6.05m L x 0.016m OD		POA
WMPR6016SP2	O'Ring; BS116 (For 58BSW; St'l RF-PP ROD)		POA

FEATURES

- Polpro System with non rusting pipe columns and pull-rods
- Replace old system with standard procedures
- Steel reinforced, compressed twin sealed, pull rods reduce loss of stroke
- Rubber stabiliser plates push onto Polpro mill column to centralise and steady the pipe
- Standard lengths and simple adaptors. Columns in BSP, Pull-rods in BSW threads
- Windmills operate quietly
- Pull-rod connections are long and slim to eliminate chaffing of the pump column
- Deep bore Pull-rods use brass sockets

WINDMILL COLUMNS

Polpro Heavy Duty Mill Pipe Columns

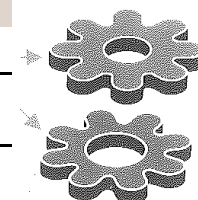
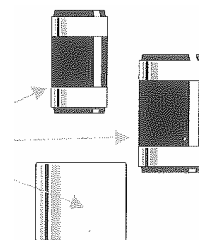
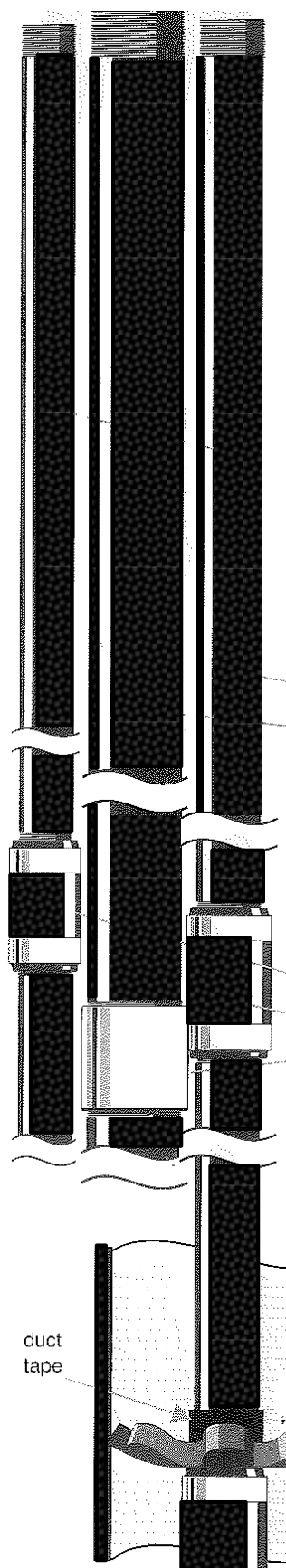
CODE		WEIGHT	PRICE
WM3204	Mill Column; PP; 32BSPM X 400mm 0.4m L x 0.043m OD	0.3kg	POA
WM3206	Mill Column; PP; 32BSPM X 600mm 0.6m L x 0.043m OD	0.4kg	POA
WM3212	Mill Column; PP; 32BSPM X 1200mm 1.2m L x 0.043m OD	0.7kg	POA
WM3230	Mill Column; PP; 32BSPM X 3000mm 3m L x 0.043m OD	1.6kg	POA
WM3260	Mill Column; PP; 32BSPM X 6000mm 6m L x 0.043m OD	3.2kg	POA
WM4004	Mill Column; PP; 40BSPM X 400mm 0.4m L x 0.049m OD	0.3kg	POA
WM4006	Mill Column; PP; 40BSPM X 600mm 0.6m L x 0.049m OD	0.5kg	POA
WM4012	Mill Column; PP; 40BSPM X 1200mm 1.2m L x 0.049m OD	0.9kg	POA
WM4030	Mill Column; PP; 40BSPM X 3000mm 3m L x 0.049m OD	2.1kg	POA
WM4060	Mill Column; PP; 40BSPM X 6000mm 6m L x 0.049m OD	4.2kg	POA
WM5004	Mill Column; PP; 50BSPM X 400mm 0.4m L x 0.061m OD	0.5kg	POA
WM5006	Mill Column; PP; 50BSPM X 600mm 0.6m L x 0.061m OD	0.8kg	POA
WM5012	Mill Column; PP; 50BSPM X 1200mm 1.2m L x 0.061m OD	1.5kg	POA
WM5030	Mill Column; PP; 50BSPM X 3000mm 3m L x 0.061m OD	3.8kg	POA
WM5060	Mill Column; PP; 50BSPM X 6000mm 6m L x 0.061m OD	7.1kg	POA
WM7530	Mill Column; PP; 75BSPM X 3000mm 3m L x 0.088m OD	8.5kg	POA
WM7560	Mill Column; PP; 75BSPM X 6000mm 6m L x 0.088m OD	16.9kg	POA

Columns Sockets to Suit Mill Pipe Columns

CODE		WEIGHT	PRICE
WMSS40	Column Socket; PP-SS; 40BSPF 0.14m L x 0.063m OD	0.27kg	POA
WMSS50	Column Socket; PP-SS; 50BSPF 0.14m L x 0.075m OD	0.33kg	POA
WMSS75S	Column Socket Short; SS; 75BSPF x 75mm 0.075m L x 0.1m OD		POA

Columns Stabiliser

CODE		WEIGHT	PRICE
WM15040	Mill Coll Stabiliser; Rubber 150mm—40BSP 0.15m Dia x 0.012m W	0.23kg	POA
WM15050	Mill Coll Stabiliser; Rubber 150mm—50BSP 0.5m Dia x 0.012m W	0.2kg	POA



PULL RODS

Sectioned
View

Medium Depth Pull-Rods

CODE		WEIGHT	PRICE
WMPP30MD	Pull Rod; Med Depth– PP; 12BSW MF; x 3m 3m L x 0.027m OD	1.35kg	POA
WMPP60MD	Pull Rod; Med Depth– PP; 12BSW MF; x 6m 6m L x 0.027m OD	2.6kg	POA
WMPP3016MD	Pull Rod; Med Depth– PP; 5/8BSW MF; x 3m 3m L x 0.033m OD	2.2kg	POA
WMPP6016MD	Pull Rod; Med Depth– PP; 5/8BSW MF; x 6m 6m L x 0.033m OD	4.25KG	POA

**Pull-Rod
End with
BSW F**

Thick sectioned Polypropylene Pull-Rod suited to depth of 21m. Threaded internally to 1/2" or 5/8" BSW and with a long stainless steel threaded connecting rod in one end (M&F).

Sectioned
View

Heavy Duty Pull Rods

CODE		WEIGHT	PRICE
WMPR30	Pull Rod; Steel Reinf– PP; 12BSW MF; x 3m 3.05m L x 0.027m OD	4.35kg	POA
WMPR60	Pull Rod; Steel Reinf– PP; 12BSW MF; x 6m 6.05m L x 0.027m OD	8.49kg	POA
WMPR3016	Pull Rod; Steel Reinf– PP; 58BSW MF; x 3m 3.05m L x 0.034m OD		POA
WMPR6016	Pull Rod; Steel Reinf– PP; 12BSW MF; x 6m 6.05m L x 0.034m OD		POA

Heavily steel reinforced plastic sheathed pull-rod suited to depth of 60m. With brass threaded ends and o-ring seals. Provides a corrosion protected pull-rod (M&F).

**Pull-Rod
End with
BSWF**

Medium Depth Rod Adaptors

1/2" BSWM

CODE		WEIGHT	PRICE
WMA12M110	Pull Rod Adaptor; MD DTH; 12BSW MM x 110mm 0.11m L x 0.013m OD	0.09kg	POA
WMA16M130	Pull Rod Adaptor; MD DTH; 5/8BSW MM x 110mm 0.13m L x 0.016m OD	0.16kg	POA
WMA16B	Mill Rod Adaptor; Brass; 12BSWF x 58BSWF 0.055m L x 0.03m OD	0.19KG	POA

1/2" BSWF

5/8" BSWF

Adaptors for Medium Depth Pull-Rods. These adaptors provide rod conversions to 1/2" (12mm) BSW male or female thread and to 5/8" (16mm) BSW female thread.

Heavy Duty Rod Adaptors

1/2" BSWF

5/8" BSWF

CODE		WEIGHT	PRICE
WMA12M	Pull Rod Adaptor; SS; 12BSW MM x 50mm 0.05m L x 0.013m OD	0.04kg	POA
WMA16B	Mill Rod Adaptor; Brass; 12BSWF x 58BSWF 0.055m L x 0.03m OD	0.19kg	POA
WMA21B	Mill Rod Adaptor; Brass; 12BSWF x 12BSWF 0.055m L x 0.034m OD	0.13kg	POA
WMA58B	Mill Rod Adaptor; Brass; 58BSWF x 58BSWF 0.055m L x 0.025m OD	0.13kg	POA

1/2" BSWM

1/2" BSWM

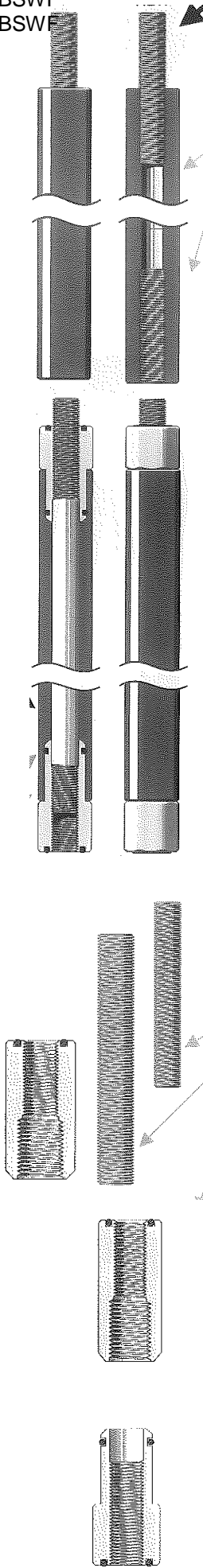
Available in

COMET[®]

WINDMILL PRODUCTS

1/2" BSWF
5/8" BSWF

Adaptors for Heavy Duty Pull-Rods. These adaptors provide rod conversion to 1/2" (12mm) BSW female thread and to 5/8" (16mm) female thread. The adaptors allow connection to the other windmill components.



MILL RODS & CONNECTIONS

Prices exclusive of GST and Freight

GALVANISED FISHPLATES WITH NUTS & BOLTS

CODE		PRICE
COM1214	No. 1 Galvanised Fishplates	\$ 19.50
COM1215	No. 1 Galvanised Fishplates	\$ 25.00
COM1216	No. 1 Galvanised Fishplates	\$ 26.50
COM1217	No. 1 Galvanised Fishplates	\$ 42.00

STIRRUP CONNECTION WITH NUTS & BOLTS

CODE		PRICE
COM1218	No. 1 38mm — 1½ x ½" Hole	\$ 58.00
COM1219	No. 1 38mm — 1½ x ⅝" Hole	\$ 66.00
COM1220	No. 2 50mm — 2 x ⅝" Hole	\$ 72.00
COM1221	No. 3 65mm — 2½ x ⅝" Hole	\$ 78.00
COM1222	No. 3 65mm — 2½ x ¾" Hole	\$ 94.00
COM1223	No. 4 75mm — 3 x ¾" Hole	\$ 122.00
COM1224	No. 4 75mm — 3 x ⅞" Hole	\$ 128.00

SCREWED PUMPROD COUPLINGS

CODE		PRICE
COM1225	½" Whitworth Brass Pumprod Coupling	\$ 16.00
COM1226	⅝" Whitworth Brass Pumprod Coupling	\$ 18.00
COM1227	¾" Whitworth Brass Pumprod Coupling	\$ 20.00
COM1228	1" Whitworth Brass Pumprod Coupling	\$ 23.00

KEEPER RINGS FOR BALL JOINTS

CODE		PRICE
COM1229	1" Whitworth Brass Pumprod Coupling	\$ 23.00
COM1370	No. 2 Steel Keeper Ring	\$ POA
COM1371	No. 3 Steel Keeper Ring	\$ POA
COM1372	No. 4 Steel Keeper Ring	\$ POA
COM1373	No. 4 ½" Brass Pumprod Coupling	\$ POA
COM1374	No. 2 Brass Keeper Ring	\$ 25.00
COM1375	No. 3 Brass Keeper Ring	\$ 28.00
COM1376	No. 4 Brass Keeper Ring	\$ 29.00
COM1377	No. 4 ½" Brass Pumprod Coupling	\$ 28.00
COM1237	⅞" x 1" Brass Pumprod Coupling	\$ 38.00

PUMPRODS, JOINTS & CONNECTIONS

STEEL PUMPRODS

Prices quoted are exclusive of GST and Freight.

SOLID STEEL PUMPRODS WITH STEEL BALL JOINTS -BLACK OR GALV.

CODE	DESCRIPTION	SIZE	PRICE ex GST
COM1269	16mm Dia.X 6.5m Mild Steel Pumprod with No 2 Steel Ball Joints	5/8"	\$164.00
COM1271	20mm Dia.X 6.0m Mild Steel Pumprod with No 3 Steel Ball Joints	3/4"	\$194.00
COM1273	25mm Dia.X 6.0m Mild Steel Pumprod with No 4 Steel Ball Joints	1"	\$217.00

GALVANISED STEEL TUBE PUMPRODS WITH STEEL BALL JOINTS

CODE	DESCRIPTION	SIZE	PRICE
COM1281	12mm Dia.X 6.5m Galv. Mild Steel Pumprod / No 2 Steel Ball Joints	1/2"	\$154.00
COM1283	20mm Dia.X 6.5m Galv. Mild Steel Pumprod / No 3 Steel Ball Joints	3/4"	\$172.00
COM1285	25mm Dia.X 6.5m Galv. Mild Steel Pumprod / No 4 Steel Ball Joints	1"	\$196.00

HARDWOOD PUMPRODS WITH STEEL BALL JOINTS

CODE	DESCRIPTION	SIZE	PRICE
COM1248	45mm x 25mm x 6.5m Hardwood Pumprod / No 2 Steel Ball Joints	1 3/4" x 1"	\$174.00
COM1250	45mm x 32mm x 6.5m Hardwood Pumprod / No 3 Steel Ball Joints	1 3/4" x 1 1/4"	\$196.00
COM1252	50mm x 40mm x 6.5m Hardwood Pumprod / No 4 Steel Ball Joints	2 x 1 1/2"	\$221.00
COM1254	65mm x 40mm x 6.5m Hardwood Pumprod / No 4 HD Steel Ball Jnts	2 1/2" x 1 1/2"	\$246.00

HARDWOOD PUMPRODS WITH BRONZE BALL JOINTS

CODE	DESCRIPTION	SIZE	PRICE
COM1256	45mm x 25mm x 6.5m Hardwood Pumprod / No 2 Bronze Ball Joints	1 3/4" x 1"	\$ 280.00
COM1258	45mm x 32mm x 6.5m Hardwood Pumprod / No 3 Bronze Ball Joints	1 3/4" x 1 1/4"	\$ 310.00
COM1260	50mm x 40mm x 6.5m Hardwood Pumprod / No 4 Bronze Ball Joints	2 x 1 1/2"	\$ 340.00
COM1262	65mm x 40mm x 6.5m Hardwood Pumprod / No 4 HD Bronze Ball Jnts	2 1/2" x 1 1/2"	\$ 350.00

PUMPRODS, JOINTS & CONNECTIONS



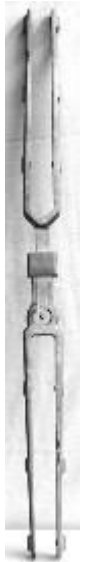
BOX AND PIN JOINTS FOR PIPE PUMPRODS		EX GST
COM1350	No.4 Box and Pin Screwed Joint (Weld On)	POA
COM1351	No.4 HD Box and Pin Screwed Joint (Weld On)	POA

BOX AND PIN PLUNGER ROD CONNECTIONS

COM1354	No.4 Box and Pin Plunger Rod Connection 7/8" Whit.Shank	POA
COM1355	No.4 Box and Pin Plunger Rod Connection 1" Whit.Shank	POA

BOX AND PIN PUMPROD TOP END CONNECTIONS

COM1359	No.3 Box and Pin Top End Connection 1" Whit.Shank	POA
COM1360	No.4 Box and Pin Top End Connection 1" Whit.Shank	POA



STEEL BALL JOINTS FOR WOOD PUMPROD

COM1310	No 2 Steel Ball Joint with Galvanised Rivets	\$	160.00
COM1311	No 3 Steel Ball Joint with Galvanised Rivets	\$	180.00
COM1312	No 4 Steel Ball Joint with Galvanised Rivets	\$	210.00
COM1313	No 4 HD Steel Ball Joint with Galvanised Rivets	\$	220.00

BRONZE BALL JOINTS FOR WOOD PUMPROD

COM1314	No 2 Bronze Ball Joint with Copper Rivets	\$	210.00
COM1315	No 3 Bronze Ball Joint with Copper Rivets	\$	240.00
COM1316	No 4 Bronze Ball Joint with Copper Rivets	\$	280.00
COM1317	No 4 HD Bronze Ball Joint with Copper Rivets	\$	310.00

STEEL BALL JOINTS FOR STEEL PUMPRODS

COM1318	No 2 Steel Ball Joint (Weld On)	Solid (bar)	\$	120.00
COM1319	No 3 Steel Ball Joint (Weld On)	Solid (bar)	\$	140.00
COM1320	No 4 Steel Ball Joint (Weld On)	Solid (bar)	\$	160.00

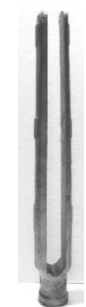
STEEL BALL JOINTS FOR STEEL PUMPRODS

COM1321	No 2 Steel Ball Joint (Weld On)	Pipe	\$	120.00
COM1322	No 3 Steel Ball Joint (Weld On)	Pipe	\$	140.00
COM1323	No 4 Steel Ball Joint (Weld On)	Pipe	\$	160.00
COM1324	No 4 HD Steel Ball Joint (Weld On)	Pipe	\$	180.00



BRONZE FORK CONNECTIONS

COM1325	No 2 Bronze Fork Connection Tapped 5/8" Whit.	\$	200.00
COM1326	No 2 Bronze Fork Connection Tapped 3/4" Whit.	\$	210.00
COM1327	No 3 Bronze Fork Connection Tapped 3/4" Whit.	\$	220.00
COM1328	No 3 Bronze Fork Connection Tapped 7/8" Whit.	\$	240.00
COM1329	No 4 Bronze Fork Connection Tapped 7/8" Whit.	\$	280.00
COM1330	No 4 Bronze Fork Connection Tapped 1" Whit.	\$	290.00



PIPE AND CASING CLAMPS



CODE DESCRIPTION

COMBINED PIPE & CASING CLAMP

		Size <i>Inch</i>	PRICE <i>ex GST</i>
COM1450	125mm x 32mm Combined Pipe & Casing Clamps	5 x 1¼"	\$ 280.00
COM1451	125mm x 40mm Combined Pipe & Casing Clamps	5 x 1½"	\$ 290.00
COM1452	125mm x 50mm Combined Pipe & Casing Clamps	5 x 2"	\$ 280.00
COM1453	125mm x 65mm Combined Pipe & Casing Clamps	5 x 2½"	\$ 290.00
COM1454	125mm x 80mm Combined Pipe & Casing Clamps	5 x 3"	\$ 290.00
COM1455	150mm x 32mm Combined Pipe & Casing Clamps	6 x 1¼"	\$ 300.00
COM1456	150mm x 40mm Combined Pipe & Casing Clamps	6 x 1½"	\$ 300.00
COM1457	150mm x 50mm Combined Pipe & Casing Clamps	6 x 2"	\$ 300.00
COM1458	150mm x 65mm Combined Pipe & Casing Clamps	6 x 2½"	\$ 300.00
COM1459	150mm x 80mm Combined Pipe & Casing Clamps	6 x 3"	\$ 300.00

The two larger castings of this 3-piece clamp are rested on and clamped to the top of the bore casing and the column pipe is then centrally clamped in the upper portion. Thus the bore is almost completely covered. The sizes for 5 or 6" casing take 1¼, 1½, 2, 2½ and 3" pipe.

HEAVY PIPE CLAMP (Max. Load 150M)

Cast Iron and Steel



COM1460	50mm Heavy Pipe Clamp	2"	\$ 260.00
COM1461	65mm Heavy Pipe Clamp	2½"	\$ 270.00
COM1462	80mm Heavy Pipe Clamp	3"	\$ 280.00

These exceptionally strong clamps are made in three sizes for 2, 2½ and 3" pipe. The cast iron gripping blocks are bored and grooved to provide a maximum hold on the pipe and are supported by two pieces of heavy angle steel. The angles are provided with holes for attaching to a foundation if necessary.

CAST STEEL PIPE OR CASING CLAMP



COM1463	90mm Cast Steel Pipe Clamp	3½"	\$ 230.00
COM1464	100mm Cast Steel Pipe Clamp	4"	\$ 270.00
COM1465	125mm Cast Steel Pipe Clamp	5"	\$ 290.00
COM1466	150mm Cast Steel Pipe Clamp	6"	\$ 350.00

These ribbed Cast Steel Clamps have the advantage of great strength with lightness, and are particularly suitable for supporting long pipe or casing pump delivery columns. The internal annular bearing strips are ground to fit the column and provide an exceptional non-slip grip. Made for 3½" pipe, 4, 5 and 6" casing.



COMET BORE PUMP BOOSTER

More water can be pumped from new or old bores by the use of our Comet Bore Pump Booster. The Booster seals off the top of a bore, allowing a partial vacuum to be created within the casing. The result is an increase of up to 33% in the capacities of bore and pump. Made in sizes to fit 4, 5 and 6 inch casing. POA.

CONTACT DETAILS:

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PO BOX 340
MACKSVILLE NSW 2447

PH: 02 6568 3711

FAX: 02 6568 3722

email: sales@cometwindmills.com.au

web: www.cometwindmills.com.au



*The Comet Windmill,
an icon of inland Australia.*

Windmills are scattered all over the Australian continent like tireless sentinels standing guard over precious water supplies that give and sustain life. The Comet is a fitting symbol of the Australian Outback - representing perseverance and sustainability in a harsh environment, a sense of timelessness, and the contribution to the Outback that remains superior....that is why Comet is still....Australia's Leading Mill.

