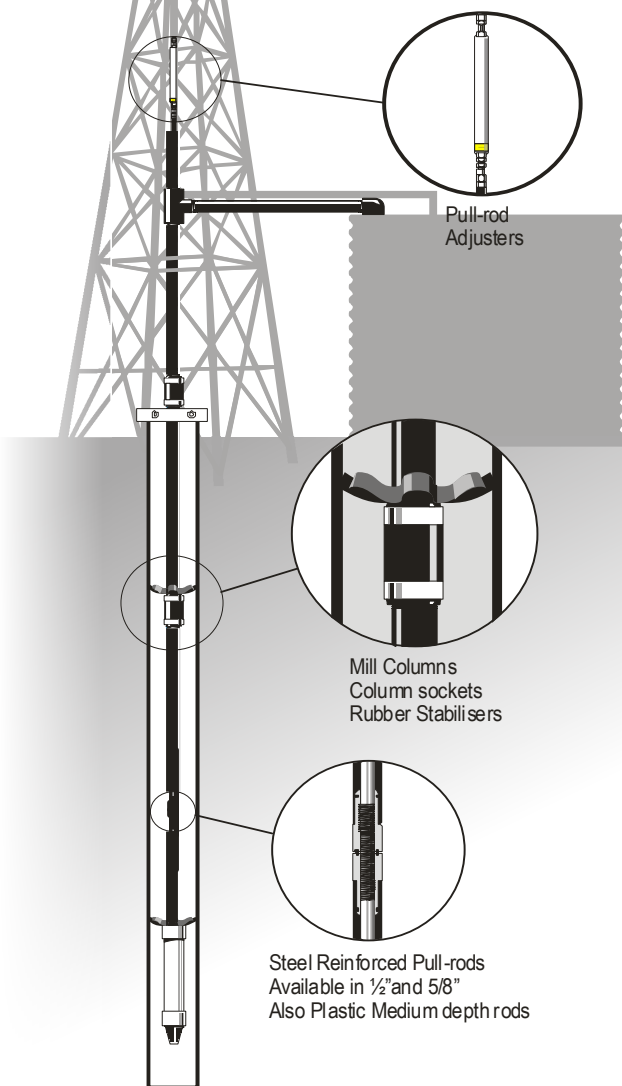


RESELLER DISCOUNTS APPLY

WINDMILL PRODUCTS

From DM Plastics & Steel

“Designed by contractors and pastoralists to give long windmill service life”



Long Life - 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 and gear boxes last longer.
- Pull-rod connections are long and slim to eliminate chaffing of the pump column.
- Deep bore Pull-rods use brass sockets.
- Adjuster provides height adjustment for the top end of a windmill pull-rod system.
- Regen Air chamber smooths pumping "water hammer" on windmills fitted with glands / compensators.



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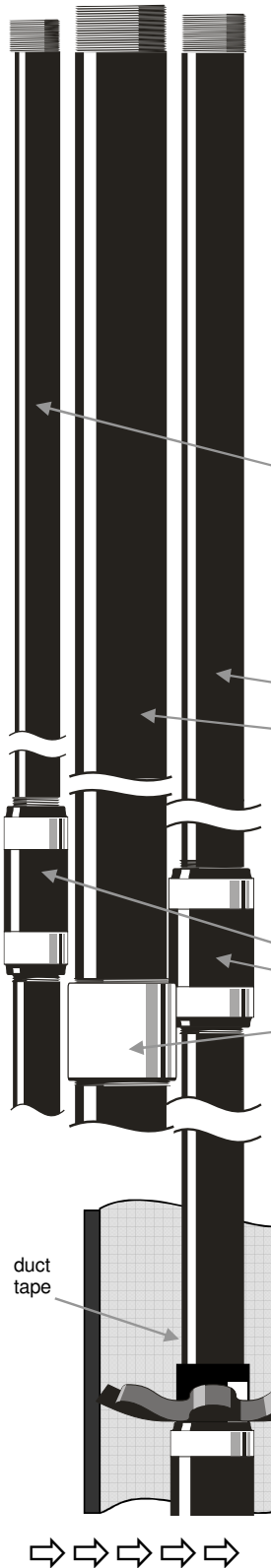
WINDMILL COLUMNS

32-40-50-75mm THREADED COLUMNS 5.1.1

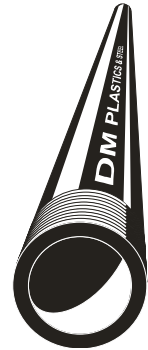
Polpro Heavy Duty Mill Pipe Columns.

COLUMN THREADS & SIZES

- Are BSP Nominal (eg 3" BSP Nom = 88mm Nom OD)
- WT (wall thickness) are greater than steel WT or standard Polpro pipe (see cat page 4.10.1 for WT)
- TL (thread lengths) - are longer and stronger for long sockets
- Note - Standard short threads available on request = "Risers"



PRODUCT CODE	DESCRIPTION <i>Nominal part size</i>	Wt kg	LIST exc GST	LIST inc GST
WM3204	MILL COLUMN; PP; 32BSPM X 400mm <i>0.4m L x 0.043m OD</i>	0.3kg		
WM3206	MILL COLUMN; PP; 32BSPM X 600mm <i>0.6m L x 0.043m OD</i>	0.4kg		
WM3212	MILL COLUMN; PP; 32BSPM X 1200mm <i>1.2m L x 0.043m OD</i>	0.7kg		
WM3230	MILL COLUMN; PP; 32BSPM X 3000mm <i>3m L x 0.043m OD</i>	1.6kg		
WM3260	MILL COLUMN; PP; 32BSPM X 6000mm <i>6m L x 0.043m OD</i>	3.2kg		
WM4004	MILL COLUMN; PP; 40BSPM X 400mm <i>0.4m L x 0.049m OD</i>	0.3kg		
WM4006	MILL COLUMN; PP; 40BSPM X 600mm <i>0.6m L x 0.049m OD</i>	0.5kg		
WM4012	MILL COLUMN; PP; 40BSPM X 1200mm <i>1.2m L x 0.049m OD</i>	0.9kg		
WM4030	MILL COLUMN; PP; 40BSPM X 3000mm <i>3m L x 0.049m OD</i>	2.1kg		
WM4060	MILL COLUMN; PP; 40BSPM X 6000mm <i>6m L x 0.049m OD</i>	4.2kg		
WM5004	MILL COLUMN; PP; 50BSPM X 400mm <i>0.4m L x 0.061m OD</i>	0.5kg		
WM5006	MILL COLUMN; PP; 50BSPM X 600mm <i>0.6m L x 0.061m OD</i>	0.8kg		
WM5012	MILL COLUMN; PP; 50BSPM X 1200mm <i>1.2m L x 0.061m OD</i>	1.5kg		
WM5030	MILL COLUMN; PP; 50BSPM X 3000mm <i>3m L x 0.061m OD</i>	3.6kg		
WM5060	MILL COLUMN; PP; 50BSPM X 6000mm <i>6m L x 0.061m OD</i>	7.1kg		
WM7530	MILL COLUMN; PP; 75BSPM X 3000mm <i>3m L x 0.088m OD</i>	8.5kg		
WM7560	MILL COLUMN; PP; 75BSPM X 6000mm <i>6m L x 0.088m OD</i>	16.9kg		
WMH7530	MILL COLUMN DEEP; PP; 75BSPM X 3000mm <i>3m L x 0.088m OD</i>	10.1kg		
WMH7560	MILL COLUMN DEEP; PP; 75BSPM X 6000mm <i>6m L x 0.088m OD</i>	20.2kg		

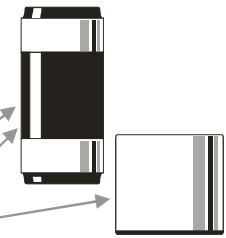


75mm (3") Column
Now available in
Extra Heavy Duty
WT = 15mm Nom

WINDMILL COLUMN SOCKETS 5.1.2

Column Sockets to suit Mill Pipe Columns.

PRODUCT CODE	DESCRIPTION <i>Nominal part size</i>	Wt kg	LIST exc GST	LIST inc GST
WMSS40	COLUMN SOCKET; PP-SS; 40BSPF <i>0.14m L x 0.063m OD</i>	0.27kg		
WMSS50	COLUMN SOCKET; PP-SS; 50BSPF <i>0.14m L x 0.075m OD</i>	0.33kg		
WMSS75S	COLUMN SOCKET SHORT; SS; 75BSPF X 75mm <i>0.075m L x 0.1m OD</i>			



WINDMILL COLUMN STABILISERS 5.1.3

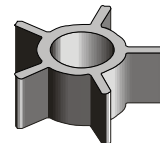
12 & 20MM Fingered / Castelated Stabilisers (250mm size available)

WMH15040	MILLCOLL STABILISER; RUBBER 150x20 - 40BSP <i>0.15m Dia x 0.012m W</i>	0.23kg		
WMH15050	MILLCOLL STABILISER; RUBBER 150x20 - 50BSP <i>0.15m Dia x 0.012m W</i>	0.23kg		
WM15075	MILLCOLL STABILISER; RUBBER 150mm - 75BSP <i>0.15m Dia x 0.012m W</i>	0.2kg		



65MM Rotolock Stabilisers

WMRL15040	MILLCOLL STABILISER; RUBBER 150x20 - 40BSP <i>0.15m Dia x 0.012m W</i>	0.23kg		
WMRL15050	MILLCOLL STABILISER; RUBBER 150x20 - 50BSP <i>0.15m Dia x 0.012m W</i>	0.23kg		
WMRL15075	MILLCOLL STABILISER; RUBBER 150x20 - 50BSP <i>0.15m Dia x 0.012m W</i>	0.23kg		



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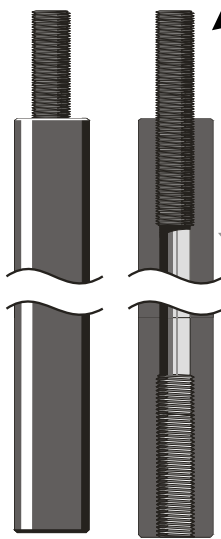


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WINDMILL PULL-RODS **HEAVY DUTY & MEDIUM DEPTH** **5.2.1**

Medium Depth Pull-Rods.

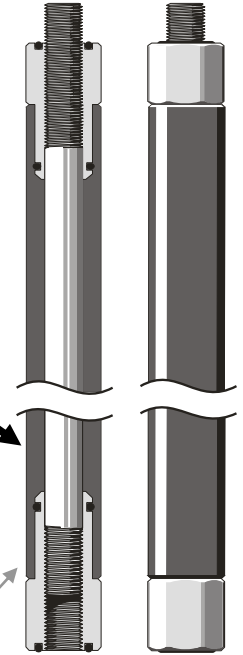
Thick Polypro Pull-Rod used to depths of 24m (1/2") or to 36m (5/8"). Threaded internally to 1/2" or 5/8" BSW and with a long stainless steel threaded connecting rod in one end. (M & F)



PRODUCT CODE	DESCRIPTION	LIST	LIST	
	<i>Nominal pack size</i>	<i>Wt kg</i>	<i>exc GST</i>	<i>inc GST</i>
WMPP30MD	PULLROD; MED DEPTH-PP; 12BSW MF; X 3 M 3m L x 0.027m OD	1.35kg		
WMPP60MD	PULLROD; MED DEPTH-PP; 12BSW MF; X 6 M 6m L x 0.027m OD	2.6kg		
WMPP3016MD	PULLROD; MED DEPTH-PP; 16BSW MF; X 3 M 3m L x 0.033m OD	1.35kg		
WMPP6016MD	PULLROD; MED DEPTH-PP; 16BSW MF; X 6 M 6m L x 0.033m OD	2.6kg		

Heavy Duty Pull-Rods.

Heavily steel reinforced plastic sheathed pull-rod have been used to depth of 60m (1/2") or to 120m (5/8"). With brass threaded ends and O-ring seals. Provides a corrosion protected pull-rod. (M



Rod ends O-ring sealed

WMPR30	PULLROD; STEEL REINF-PP; 12BSW MF; 3M 3.05m L x 0.027m OD	4.35kg		
WMPR60	PULLROD; STEEL REINF-PP; 12BSW MF; 6M 6.05m L x 0.027m OD	8.49kg		
WMPR3016	PULLROD; STEEL REINF-PP; 16BSW MF; 3M 3.05m L x 0.033m OD	7kg		
WMPR6016	PULLROD; STEEL REINF-PP; 16BSW MF; 6M 6.05m L x 0.033m OD	13.7kg		

WINDMILL PULL-ROD ADAPTORS **5.2.2**

Medium Depth Rod Adaptors

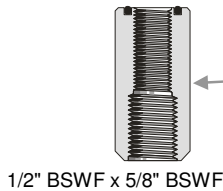
ADAPTORS for Medium Depth Pull-Rods. These adaptors provide rod conversion to 1/2"(12mm)BSW male or female thread and to 5/8"(16mm)BSW female thread. The adaptors allow connection to other windmill components.



PRODUCT CODE	DESCRIPTION	LIST	LIST	
	<i>Nominal part size</i>	<i>Wt kg</i>	<i>exc GST</i>	<i>inc GST</i>
WMA12M110	PULLROD ADAPTOR; MD DTH; 1/2BSW MM X 110mm 0.11m L x 0.013m OD	0.09kg		
WMA16M130	PULLROD ADAPTOR; MD DTH; 5/8BSW MM X 130mm 0.11m L x 0.016m OD	0.09kg		

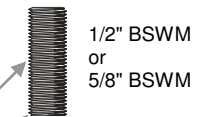
Heavy Duty Rod Adaptors

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.



1/2" BSWF x 5/8" BSWF

WMA12M	PULLROD ADAPTOR; SS; 1/2BSW MM; X 50mm 0.05m L x 0.013m OD	0.05kg		
WMA16M	PULLROD ADAPTOR; SS; 16BSW MM; X 50mm 0.05m L x 0.016m OD	0.1kg		
WMA16B	MILLROD ADAPTOR; BRASS; 1/2BSWF X 5/8BSWF 0.055m L x 0.03m OD	0.19kg		
WMA21B	MILLROD ADAPTOR; BRASS; 1/2BSWF X 1/2BSWF 0.055m L x 0.025m OD	0.13kg		
WMA58B	MILLROD ADAPTOR; BRASS; 5/8BSWF X 5/8BSWF 0.055m L x 0.033m OD	0.13kg		



1/2" BSWM or 5/8" BSWM

available in 1/2" BSWF or 5/8" BSWF



HELPFUL HINTS - Call DM sales for product selection and the latest product additions.

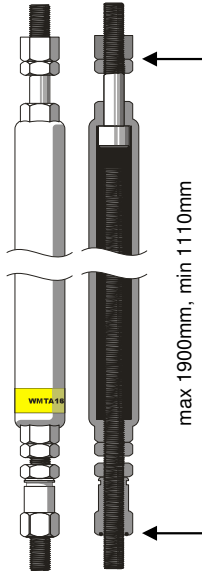


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WINDMILL PULL-ROD ADJUSTERS 5.2.3



The adjuster provides a total length adjustment of **795mm** for the top end of a windmill pull-rod system.

The fine adjustment provides fine tuning of the bucket position to remove any bottoming. Raising / lowering is done simply by using a pair of spanners.

Adjuster has an all Steel construction. The Pull-rod Top Adjuster has a 5/8" (16mm) BSW male thread at the lower end to screw directly into a 5/8" BSW pull-rod or to be adapted to a 1/2" pull-rod. The brass fitting has an O-ring face seal to connect to the pull-rod or adaptor.

The top end has a 5/8" (16mm) BSW male thread which has a swivel connection to the Adjuster tube (also acts to prevent "bottoming breakage"). CONNECTING TO THE WINDMILL PITMAN ARM - the Pull-Rod Top Adaptor has a "Deep Nut" at its top end. Either weld or bolt this to the arm bracket.

PRODUCT CODE	DESCRIPTION	LIST	LIST	
	<i>Nominal pack size</i>	<i>Wt kg</i>	<i>exc GST</i>	<i>inc GST</i>
WMTA16	PULLROD-ADJUSTER; STEEL ; 16BSW MM; 1.11M 1.2m L x 0.034m OD	7kg		

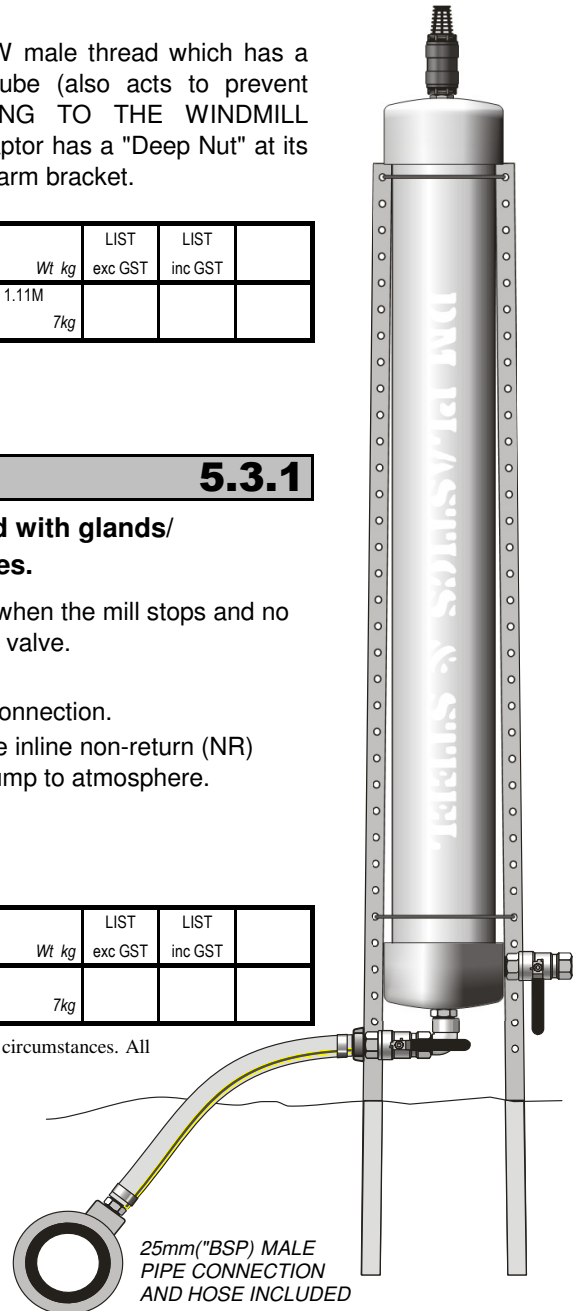
SELF REGENERATIVE AIR CHAMBER 5.3.1

Smooths pumping "water hammer" on windmills fitted with glands/compensators when pumping water to longer pipe lines.

- REGENERATES - self replaces the chamber "air cushion" when the mill stops and no water pressure exists. Air refills chamber via special non return valve.
- Isolation and drain valves included for testing and draining
- Requires an inline NR valve downstream from the Regen connection.
- Easy to check if mill is pumping by opening drain valve. The inline non-return (NR) valve shuts, when the mill is not operating, allowing water to pump to atmosphere.
- Capacity (Nom) - 18 Ltr.
- Includes 2 galvanised support stakes.

PRODUCT CODE	DESCRIPTION	LIST	LIST	
	<i>Nominal pack size</i>	<i>Wt kg</i>	<i>exc GST</i>	<i>inc GST</i>
WMRAC1825	AIR CHAMBER REGEN; 18LTR 25BSP 1.2m L x 0.034m OD	7kg		

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