

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 and Eurethane stabiliser plates, push onto Polpro mill column to centralise and steady the column.

Standard lengths and simple adaptors. Columns in BSP, Pull-rods in BSW threads.

Special lengths - POA

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.

Pull Rod Top Adjuster provideing fine tuning of the bucket position to remove any bottoming. Raising / lowering is done simply, use a pair of spanners.

*Mill Columns
Column Sockets
Stabilisers*

*Steel Reinforced Pull-rods
available in 1/2" & 5/8"
Also Polpro Medium depth rods*



DM Plastics & Steel Pty Ltd ABN: 95 572 173 975
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WINDMILL COLUMNS

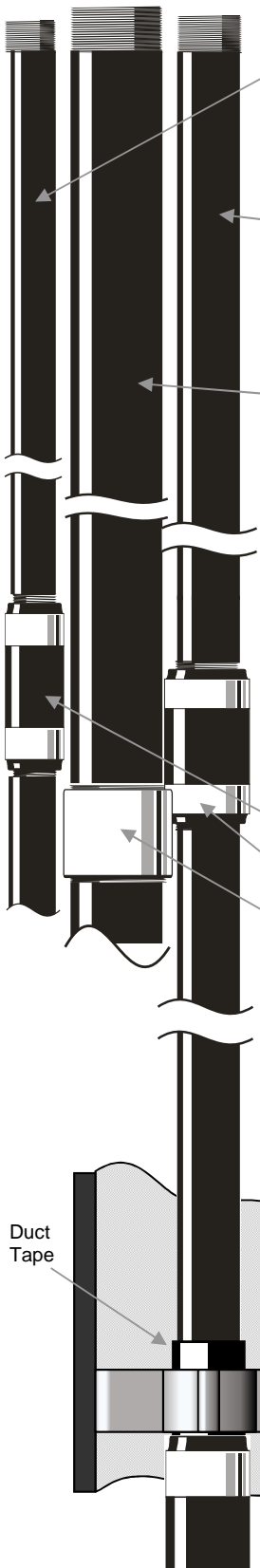
32-40-50-75mm THREADED COLUMNS 5.1.1

Polpro Heavy Duty Mill Pipe Columns.

PRODUCT CODE	DESCRIPTION <i>Nominal part size</i>	Wt kg	LIST exc GST		
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			
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			
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			

- 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"

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

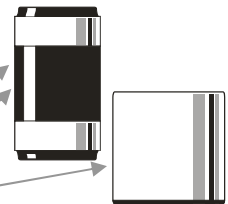


WINDMILL COLUMN SOCKETS

5.1.2

Column Sockets to suit Mill Pipe Columns. Stainless Seel or Stainless Steel Reinforced

PRODUCT CODE	DESCRIPTION <i>Nominal part size</i>	Wt kg	LIST exc 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>				

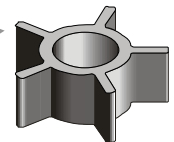


WINDMILL COLUMN STABILISERS

5.1.3

65MM long Polyurethane Rotolock Stabilisers (250mm size stabilisers available)

WMRL15040	MILLCOLL ROTOLOCK STABILISE 150 X 40BSP <i>0.15m Dia x 0.012m W</i>	0.23kg			
WMRL15050	MILLCOLL ROTOLOCK STABILISE 150 X 50BSP <i>0.15m Dia x 0.012m W</i>	0.23kg			
WMRL15075	MILLCOLL ROTOLOCK STABILISE 150 X 75BSP <i>0.15m Dia x 0.012m W</i>	0.23kg			



Duct Tape



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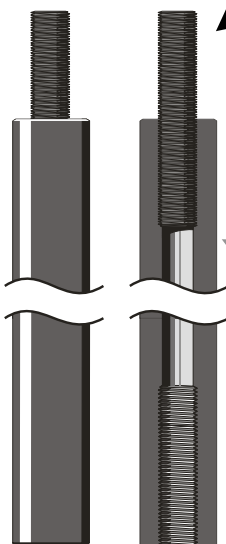


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WINDMILL PULL-RODS *MEDIUM DEPTH & HEAVY DUTY* 5.2.1

Medium Depth Pull-Rods.

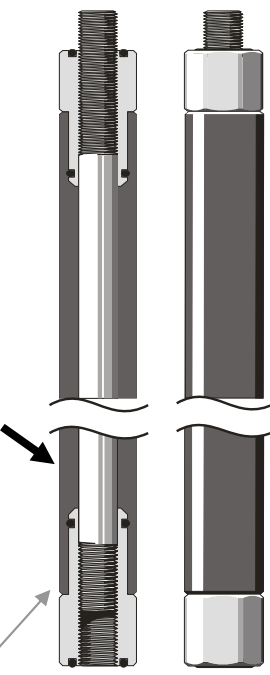
Thick Polypro Pull-Rod used to depths of 24m (1/2") or to 36m (5/8"). Threaded internally to 1/2" or 5/8" BSW and with a long stainless steel threaded connecting rod in one end. (M & F)



PRODUCT CODE	DESCRIPTION <i>Nominal pack size</i>	Wt kg	LIST exc GST		
WMPP30MD	PULLROD; MED DEPTH-PP; 1/2BSW MF; X 3 M 3m L x 0.027m OD	1.35kg			
WMPP60MD	PULLROD; MED DEPTH-PP; 1/2BSW MF; X 6 M 6m L x 0.027m OD	2.6kg			
WMPP3016MD	PULLROD; MED DEPTH-PP; 5/8BSW MF; X 3 M 3m L x 0.033m OD	1.35kg			
WMPP6016MD	PULLROD; MED DEPTH-PP; 5/8BSW 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



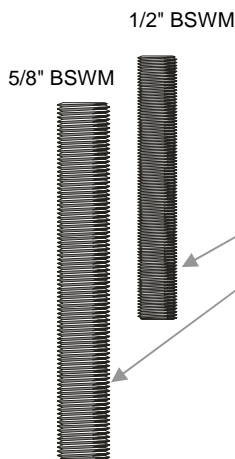
WMPR30	PULLROD; STEEL REINF-PP; 1/2BSW MF; 3M 3.05m L x 0.027m OD	4.35kg			
WMPR60	PULLROD; STEEL REINF-PP; 1/2BSW MF; 6M 6.05m L x 0.027m OD	8.49kg			
WMPR3016	PULLROD; STEEL REINF-PP; 5/8BSW MF; 3M 3.05m L x 0.033m OD	7kg			
WMPR6016	PULLROD; STEEL REINF-PP; 5/8BSW MF; 6M 6.05m L x 0.033m OD	13.7kg			

Rod ends O-ring sealed

WINDMILL PULL-ROD ADAPTORS 5.2.2

Medium Depth Rod Adaptors

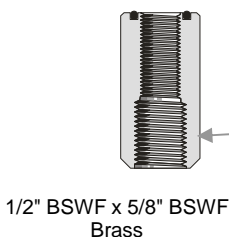
ADAPTORS for Medium Depth Pull-Rods. These adaptors provide rod conversion to 1/2"(12mm)BSW male or female thread and to 5/8"(16mm)BSW female thread. The adaptors allow connection to other windmill components. Made from Stainless



PRODUCT CODE	DESCRIPTION <i>Nominal part size</i>	Wt kg	LIST exc GST		
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.



WMA12M	PULLROD ADAPTOR; SS; 1/2BSW MM; X 50mm 0.05m L x 0.013m OD	0.05kg			
WMA16M	PULLROD ADAPTOR;MD DTH;5/8BSW MM X 50mm 0.11m L x 0.016m OD	0.09kg			
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 Stainless Steel

Available in 1/2" BSWF or 5/8"BSWF Brass



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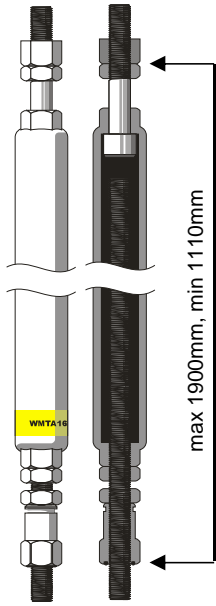


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WINDMILL PULL-ROD ADJUSTERS 5.2.3



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		
	<i>Nominal pack size</i>	<i>Wt kg</i>	<i>exc GST</i>	
WMTA16	PULLROD-ADJUSTER STEEL; 5/8BSW MM; 1.11M 1.2m L x 0.034m OD	7kg		



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