



# Philmac

The connection you can trust.

## Sealing Grommets

### Technical Specifications Sheet

Self sealing rubber grommets, manufactured from EPDM material to ASTM D2000 which has a high resistance to a broad range spectrum of chemicals commonly used in agricultural irrigation. 50 Shore A hardness.

### Performance features

- > Select grommet and take-off to match the required flow rate and designed head loss [see overleaf].
- > Recommended maximum operating pressure 300kPa.

### Operation

- > Inserted into pre-drilled holes.
- > Can be used in PVC and HDPE (up to 2.8mm wall thickness) pipe.
- > For correct operation use only recommended take-off with the grommet [see overleaf].

### Application

- > To provide a seal for multiple lateral take off points (manifold) from sub-mains.



### Flow Rates - Double Flanged Rubber Grommets

Headloss [kPa]	FLOW RATE THROUGH CONNECTION - LITRES PER HOUR				
	GR56		GR34		
	T05612	T03458	T03434	T03410	T034114
5	270	1320	2160	2280	2490
10	348	1920	2970	3000	3300
15	420	2280	3510	3600	3900
20	486	2640	4080	4140	4500
25	552	3000	4470	4680	4920
30	600	3210	4920	4980	5400
35	648	-	-	-	-

### Flow Rates - Top Hat Grommets

Headloss [kPa]	FLOW RATE THROUGH CONNECTION - LITRES PER HOUR							
	GR12TH		GR58TH		GR34TH			
	T01212	T01234	T05812	T05858	T03458	T03434	T03410	T034114
5	690	780	750	1230	1320	2580	2550	2610
10	924	1020	1020	1830	1860	3480	3330	3330
15	1110	1350	1320	2280	2310	4200	3960	3960
20	1320	1560	1530	2550	2640	4950	4650	4500
25	1410	1650	1650	2970	2940	5400	5100	4920
30	1620	1950	1920	3300	3180	6000	5640	5400
35	1710	2040	1980	3510	-	-	-	-

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## Material Specifications - Top Hat Grommets



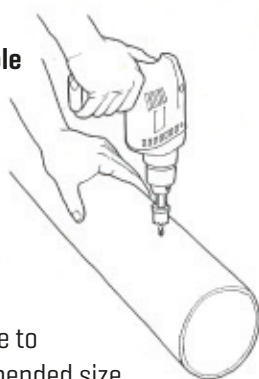
CODE	GR12TH	GR58TH	GR34TH
To suit Take-off code	T01234 T01212	T05812 T05858	T03458 T03434 T03410 T034114
Take-off material	Nylon 6	Nylon 6	Nylon 6
Internal dia. of grommet	13mm	16mm	19mm
Drill size	-	-	-
Hole saw size	16mm	19mm	22mm
For use with min. rec. pipe ID size	40mm >	50mm >	50mm >



CODE	GR56	GR34
To suit Take-off code	T05612	T03458 T03434 T03410 T034114
Take-off material	Nylon 6	Nylon 6
Internal dia. of grommet	8mm	19mm
Drill size	11mm	-
Hole saw size	-	24mm
For use with min. rec. pipe ID size	25mm	50mm

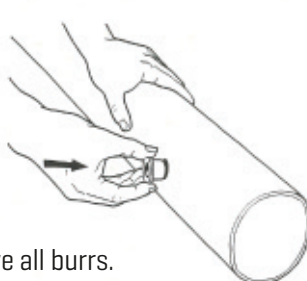
## Installation: Top Hat Grommets

### Step 1. Drill Hole



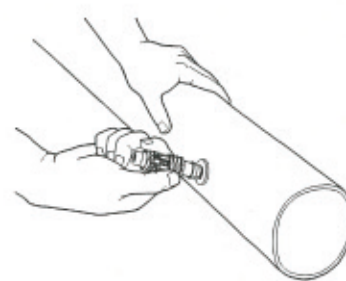
Drill hole to recommended size.

### Step 2. Insert Grommet



Remove all burrs.  
Place "TOP HAT" grommet firmly into hole with flange facing out.

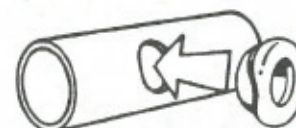
### Step 3. Insert fitting



Insert and locate fitting firmly against flange of grommet and pull back slightly to seat the barb.

## Installation: Double Flanged Rubber Grommets

Drill required hole [see chart] and fit the grommet, chamfered side inside the pipe and groove to suit pipe form. then push the take-off firmly home.



### RECOMMENDED USE:

Products described above are designed and manufactured for micro irrigation use and therefore have a maximum recommended operating pressure of 300kPa. The products must be used with suitable filtration (where applicable) to avoid blockage or damage to working components.

Please note that the information, opinions, recommendations and advice given on this specification sheet are supplied only to provide an improved understanding of the technical aspects of Philmac products. So far as the law allows, Philmac Pty. Ltd. will not accept liability in respect of any loss or damage of any kind claimed to arise as result of reliance upon any information contained on this specification sheet. Please to our terms & conditions of supply: <https://www.philmac.com.au/terms-conditions-supply/>.

## For more information

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