

PHILMAC SEALING GROMMETS



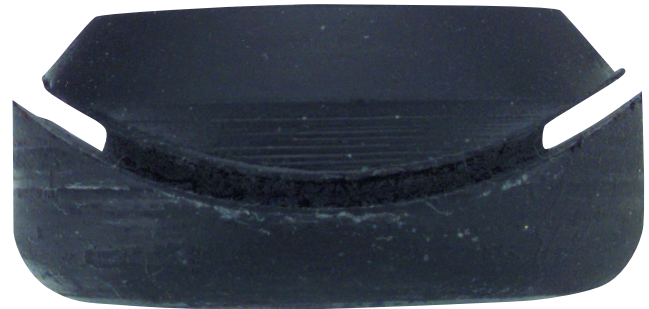
The connection you can trust.

TECHNICAL SPECIFICATIONS



GR34TH (19MM)
GR58TH (16MM)
GR12TH (13MM)

FOR EFFICIENT CONNECTIONS TO PVC & PE PIPE



GR34 (19MM)
GR56 (8MM)

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.

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).

Performance

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

Application

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

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TECHNICAL SPECIFICATIONS

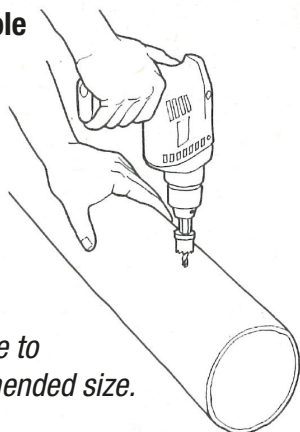
CODE	GR12TH	GR58TH	GR34TH	GR56	GR34
To suit Take-off code	TO1234 TO1212	TO5812 TO5858	TO3458 TO3434 TO3410 TO34114	TO5612	TO3458 TO3434 TO3410 TO34114
Take-off material	Nylon 6	Nylon 6	Nylon 6	Nylon 6	Nylon 6
Internal dia. of grommet	13mm	16mm	19mm	8mm	19mm
Drill size	-	-	-	11mm	-
Hole saw size	16mm	19mm	22mm	-	24mm
For use with min. rec. pipe ID size	40mm >	50mm >	50mm >	25mm	50mm

Head-loss (kPa)	FLOW RATE THROUGH CONNECTION - LITRES PER HOUR												
	GR12TH		GR58TH		GR34TH				GR56	GR34			
	TO1212	TO1234	TO5812	TO5858	TO3458	TO3434	TO3410	TO34114	TO5612	TO3458	TO3434	TO3410	TO34114
5	690	780	750	1230	1320	2580	2550	2610	270	1320	2160	2280	2490
10	924	1020	1020	1830	1860	3480	3330	3330	348	1920	2970	3000	3300
15	1110	1350	1320	2280	2310	4200	3960	3960	420	2280	3510	3600	3900
20	1320	1560	1530	2550	2640	4950	4650	4500	486	2640	4080	4140	4500
25	1410	1650	1650	2970	2940	5400	5100	4920	552	3000	4470	4680	4920
30	1620	1950	1920	3300	3180	6000	5640	5400	600	3210	4920	4980	5400
35	1710	2040	1980	3510	-	-	-	-	648	-	-	-	-

Installation: Top Hat Grommets

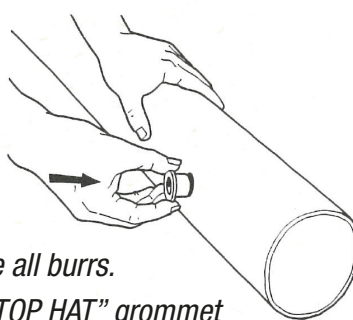
Step 1.

Drill Hole



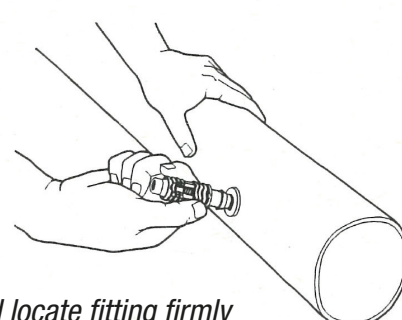
Step 2.

Insert Grommet



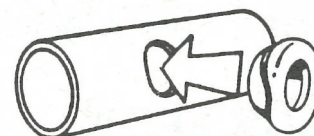
Step 3.

Insert fitting



Installation: Double Flanged 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 a result of reliance upon any information contained on this specification sheet. Please refer to our Term and Conditions of Supply of Goods.

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