

NUT & TAIL

Philmac[®]

The connection you can trust.

TECHNICAL SPECIFICATIONS



(1) Parallel Thread (Black Nut) – Also known as a fixing thread, this method relies on two parallel threads providing a strong connection plus a washer to achieve the seal. This version was originally designed to primarily fit metal threads. Because a seal is used there is no requirement for thread tape which means a quick and reliable connection.

(2) Tapered Thread (Blue Nut) – With the advent of more plastic tapered threads this version has been developed to suit Philmac threaded polypropylene fittings. This allows full thread engagement when fitting to another tapered thread and prevents the nut from becoming dislodged, which could lead to water loss. Although tapered or sealing threads are typically sealed with PTFE tape, the sealing still takes place on the washer and there is no need to use tape.

Washer - The same washer is fitted to both versions. This means there is no chance of mixing up different washers. Spare parts are the same which means no additional inventory.

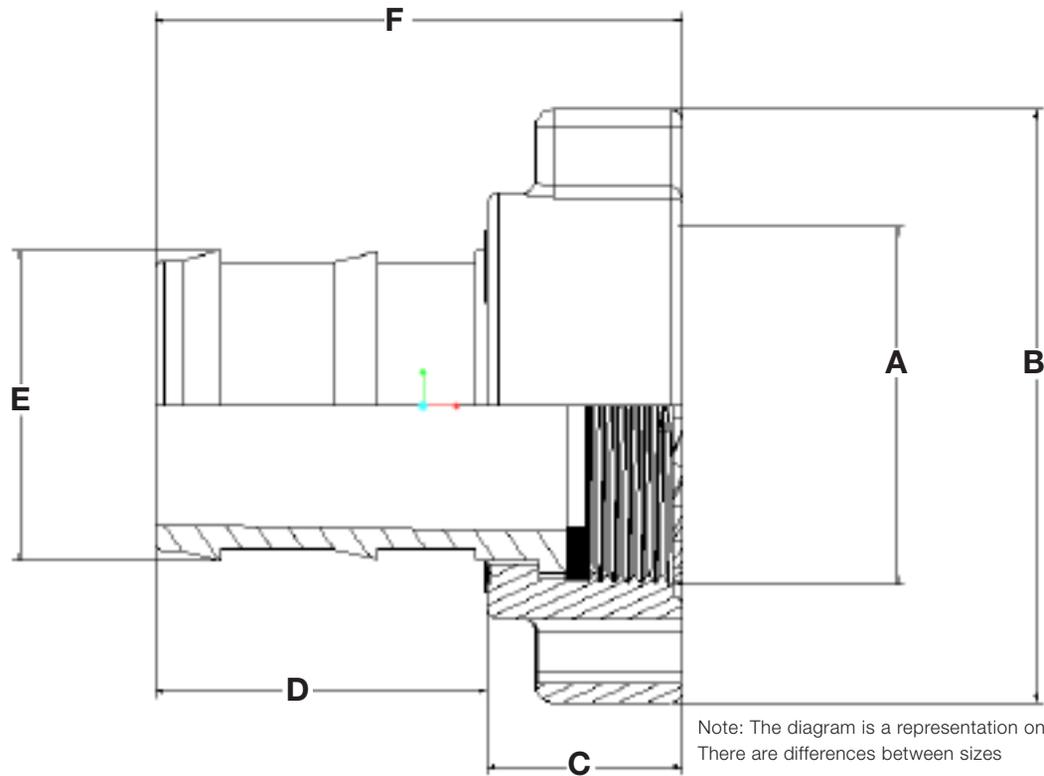
Tail - The same tail is fitted to both versions. This means there is no chance of mixing up different tails. It also means the same reliable connection can be made.

Material – The nut is manufactured from a glass filled nylon for strength and reliability.

Sealing and Connectivity – Both the parallel and tapered nuts have been designed to be hand tightened to achieve a seal. The tapered version may have a level of “stickiness” when fitting to similar type material. The parallel nut will fit metal tapered threads providing they are within specification.

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Part Number	Description	Thread Type	A	B	C	D	E	F
90105100	3/4" x 1/2"	Parallel	3/4" BSP	59	23.5	31	13.9	55
90105200	3/4" x 3/4"	Parallel	3/4" BSP	59	23.5	33.5	20.2	58
90105300	1" x 1/2"	Parallel	1" BSP	68.3	28.5	29	13.7	58
90105400	1" x 3/4"	Parallel	1" BSP	68.3	28.5	29	20.2	58
90105500	1" x 1"	Parallel	1" BSP	68.3	28.5	30.5	27.3	59
90105600	1-1/4" x 1-1/4"	Parallel	1-1/4" BSP	80.4	29.3	57	33.4	86.5
90105700	1-1/2" x 1-1/2"	Parallel	1-1/2" BSP	87	31.3	58	39.6	89
90105800	2" x 2"	Parallel	2" BSP	100	33	56	52	90
90105900	2" x 2"	Tapered	2" BSP	100	33	56	52	90

MATERIAL

Nut - Glass reinforced nylon (polyamide)
 Tail - Glass reinforced nylon (polyamide)
 Washer - NBR (Nitrile Butadiene Rubber)

PRESSURE RATING

Maximum pressure* is 1,000 kPa (145 psi)
 at 20° Celcius

* To achieve this pressure the hose must be held
 in place with a suitable clamp

APPLICATIONS

Suitable for suction and pressure hose.
 Typically used in agricultural & horticultural
 applications when connecting to pumps,
 tanks, valves, hydrants etc

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