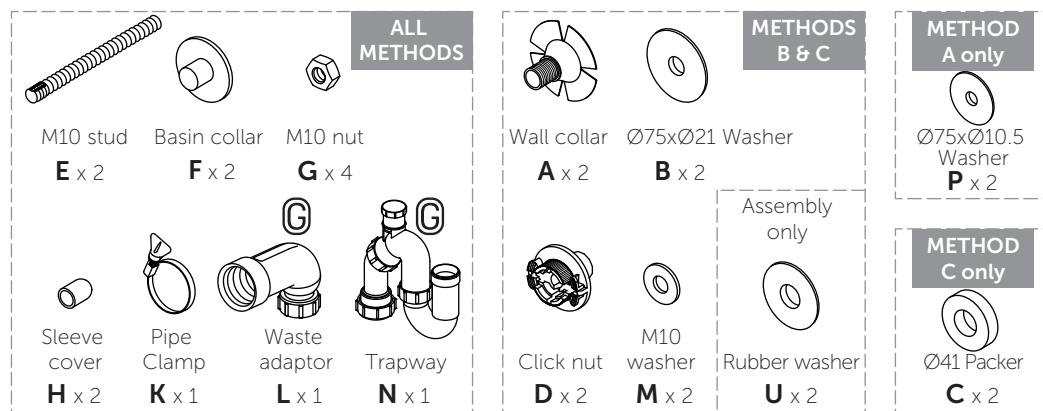
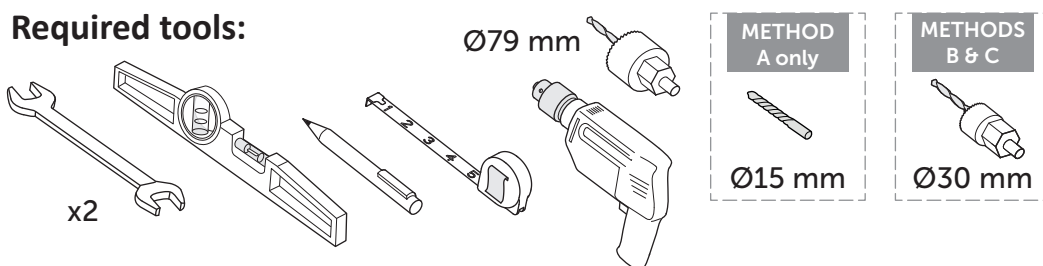


Supplied parts:

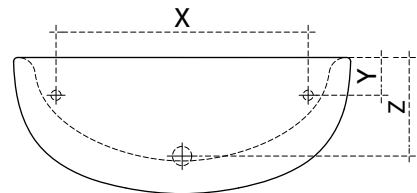


Items marked contain a silver biocide antimicrobial substance

Required tools:



Drilled hole dimensions:



	X	Y	Z
S0430			
S0431	375	55	155
S0432			
S0444	475	55	155
S0433	290	55	155
S0435			

National Plumbing & Drainage code:

The product covered by this installation instruction must be installed as described and in accordance with relevant local regulations. Installations not complying may void the product performance & warranty. Armitage Shanks strongly recommends that this product is fitted by a professional installer. The product is designed to meet the requirements of BS EN 274:2002 and is to be used for waste water only. To install, tighten each nut [G] with a torque no greater than 20Nm and pipe securing clip [K] no greater than 3Nm. Check for water tightness. Waste pipes must be supported; do not connect to the trap without sufficient support. Service temperature range 15°C to 90°C. Maximum operating pressure 10kPA (0.1bar).

Armitage Shanks

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Armitage Shanks pursues a policy of continuing improvement in design and performance of its products. The right is therefore reserved to vary specification without notice.

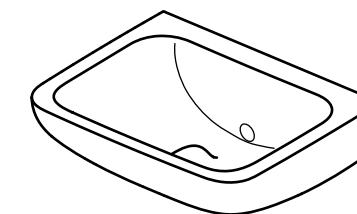
5087 09/17

SmartGuard

Panel Fixation & 1¼ Waste Connection Assembly and Installation Instruction

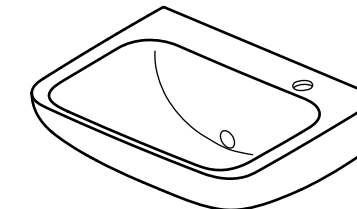
METHOD A

Back of panel accessible from inside the room



METHOD B

12 to 22mm thick panel - back of panel not accessible from inside the room



METHOD C

26 to 36mm thick panel - back of panel not accessible from inside the room

Items in this pack contain a silver biocide antimicrobial substance

**S0430, S0444, S0431,
S0433 & S0435**

Armitage Shanks

METHOD A Back of panel accessible from inside the room

1 $\varnothing 15\text{mm}$
 $\varnothing 79\text{mm}$
Check hole is not outside basin wall-print.

2 Hand tighten until sleeve cover **H** touches back of basin.

3 90°
Fit adaptor **L**
Fit pipe clamp **K**
Tighten clamp pipe clamp **K**
DO NOT use waterproof (silicone) sealants.
Ensure the ceramic outlet spigot and adaptor **L** are free from dirt and grease before assembly.
Check adaptor **L** touches stop and is vertical.

4 Bend adaptor **L** to fit through $\varnothing 79$ hole.
Trapway can be turned to suit waste pipe connection requirements. Waste pipes must have sufficient support before connection.

5 Check for water leaks before completing installation.

6 Check for water leaks before completing installation.
See methods **B** & **C** for installations where the back of the panel can not be reached from inside the room.

METHOD B 12 to 22mm thick panel - back of panel not accessible from inside the room

1 $12-22\text{mm}$
 $\varnothing 30\text{mm}$
 $\varnothing 79\text{mm}$
Check hole is not outside basin wall-print.

2 Use rubber washer **U** pushed through hole to hold components **A,E&G** in place while accessing back of panel.
Remove washer **U** & pull **M10** stud **E** from back to click **B, C** & **D** together. Unthread stud **E** & pick up nut **G**.

3 Hand tighten until sleeve cover **H** touches back of basin.

4 90°
Fit adaptor **L**
Fit pipe clamp **K**
Tighten clamp pipe clamp **K**
DO NOT use waterproof (silicone) sealants.
Ensure the ceramic outlet spigot and adaptor **L** are free from dirt and grease before assembly.
Check adaptor **L** touches stop and is vertical.

5 Bend adaptor **L** to fit through $\varnothing 79$ hole. The **M10** stud **E** will push & click in place.
Trapway can be turned to suit waste pipe connection requirements. Waste pipes must have sufficient support before connection.

6 Check for water leaks before completing installation.

METHOD C 26 to 36mm thick panel - back of panel not accessible from inside the room

1 $26-36\text{mm}$
 $\varnothing 30\text{mm}$
 $\varnothing 79\text{mm}$
Check hole is not outside basin wall-print.

2 Use rubber washer **U** pushed through hole to hold components **A,E&G** in place while accessing back of panel.
Remove washer **U** & pull **M10** stud **E** from back to click **B, C** & **D** together. Unthread stud **E** & pick up nut **G**.

3 Hand tighten until sleeve cover **H** touches back of basin.

4 90°
Fit adaptor **L**
Fit pipe clamp **K**
Tighten clamp pipe clamp **K**
DO NOT use waterproof (silicone) sealants.
Ensure the ceramic outlet spigot and adaptor **L** are free from dirt and grease before assembly.
Check adaptor **L** touches stop and is vertical.

5 Bend adaptor **L** to fit through $\varnothing 79$ hole. The **M10** stud **E** will push & click in place.
Trapway can be turned to suit waste pipe connection requirements. Waste pipes must have sufficient support before connection.

6 Check for water leaks before completing installation.