



THE SPECIALISTS IN POWER SWEEPING TECHNOLOGY

**2019
USER
MANUAL**



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Our Rodtech Click Range comes with a 12-month replacement warranty. The warranty covers all Non-wearable parts and joints on our Rodtech click range. It does NOT cover misuse of equipment or when the equipment is used with the tile breakers It does not cover parts that will wear with use, such as head inserts (Nylons, Chain and Wire etc) You must read the manual for guidance. In the unlikely event you will ever need to use this warranty, you will be required to return the product to Rodtech or a Rodtech Agent before a replacement part is supplied (subject to our misuse policy).

PLEASE NOTE: This manual covers the range of Rodtech Click Equipment only.

1. Always follow manufacturer's instructions when using powered equipment.
2. Liner Manufactures and Insurers approve RODTECH POWER SWEEPING equipment (please see our website for more details). This includes the replacement nylons for the heads, in order to safeguard their warranties. The nylons used by Rodtech are hexagonal and allow the flat sides of the strands to scrape the deposits off within a flue. Other shaped nylons have been tested but DO NOT produce the same effect. The Rodtech Click Rods can be used for both manual and power sweeping and duct cleaning. All new click rod equipment comes with a 1-year warrantee (excluding when used with the tile removers).
3. Only use professional drills for power sweeping that have a safety clutch that will stop the drill immediately when the trigger is released. We recommend using a minimum of 18V Cordless drills that have at least a 3ah battery, and above 70Nm of torque; these can be angle or conventional drills however we do not recommend using drills with a speed greater than 1800rpm or less than 400rpm. We find these are preferable to mains versions as they do not involve dangling leads. It is advisable to have two batteries along with a spare drill and drill adaptor. We recommend that the spare drill is minimum 24v or preferred 36v for the 18mm rods when sweeping larger flues, removing bird nests, removing clay liners or any other application where you may put strain onto the drill and could cause it to burn out.

Recommended drills are 18V angled or standard drills together with a 24v+ drill of personal choice.

4. When using power sweeping to clean chimneys it is important not to put too much of a bend on the rods as they can distort, heat up and break. Also never keep the rods spinning in the chimney if you are not moving the rods up or down as friction can cause the rods to heat up and possibly break.
5. In Extreme cold weather we do advise you store your tools and batteries in the warm as in cold conditions batteries can lose their charge and the rods can become brittle and could snap.
6. Always hold the drill in a manner that, if the head gets snagged on something in the chimney the drill will pull out of your hand and not twist your wrist. The angle of the drill should be such that the handle of the drill should be upright opposed to the way you would normally use a drill, trying to keep the rods as straight as possible at all times
7. When power sweeping, never grip the rods tightly as this could pull your gloves off your hands or burn your hands. Never allow loose clothing or material to get too close to spinning rods as any snags that may occur on the rods could catch and pull. If this should ever start to happen immediately release the power trigger on your drill and STOP. To remedy this, reverse the

direction on your drill and slowly spin your drill until the catch/snag is released. Alternatively use a 6inch section of vacuum hose and slide the rod inside. Now by holding the hose your hands will not get caught by the spinning rods.

8. When connecting the rods, keep them as straight as possible to ensure a smooth action. When using the click range you will not need to depress any buttons as they have been designed to click together easily, and when they lock together, they will make a click.

When disconnecting the rods, first remove the drill, make sure you do this as straight as possible as this will aid for easy removal, if you try and disconnect the drill without being straight it will feel as if the drill driver is stuck. It is also important to remove any twist that the drill may have as this will also grip on the connections.

When disconnecting the rod it is important to take the weight (pressure) off the rod nearest the opening with one hand, keep the rods as straight as possible, slightly twist the rod you wish to disconnect in the opposite rotation used on the drill, and remove in a straight fashion. Trying to uncouple the rods with a bend can be very difficult and will again feel as if the rods are locked together.

The art of undoing the rods once mastered is simplicity itself. If you are finding it hard then it is usually down to not keeping the rods as straight as possible.

It is advised to spray the drill adaptor and the ends of the rods with PTFE dry lube or silicon spray frequently (at least daily) to keep them in tip-top condition, which will also aid disconnecting the rods and drill driver. Although our rods have brass ferrules and are non-ferrous, please remember that smokeless fuel and soot is very corrosive & must be removed from your equipment as soon as possible as it will cause rust to ferrous metals. Never leave your equipment in a moist environment.

9. There are two types of drill adaptor.
 - a. Button less drill adaptor, for sweeping upwards.
 - b. With Button, for sweeping or breaking liners from the top down, also these are used for horizontal flues (usually ducting or industrial).

Please always ensure that the drivers are fully inserted into the drill chuck and must always be tight fitting, failure to do so will cause the drill adaptor to spin and were in the chuck and would not be covered by under warranty.

Drill drivers are therefore regarded as a consumable item & we recommend that you always have a spare one available.

10. DO NOT tamper with the button connections on any of this equipment as this will invalidate any warranty
11. With traditional rods, if your brush gets stuck or you are trying to remove a nest you are limited to only being able to turn the rods clockwise unless you use lock tight rods which can be difficult to connect and disconnect.
12. With traditional sweeping your brush creates surface friction / tension as it passes through the chimney sometimes causing the flue to move while you are trying to sweep it. Any build up in the

flue will cause the chimney to narrow and even more surface friction / tension will occur, making sweeping harder. It has been proved traditional sweeping is more damaging to the structure of the chimney (as demonstrated in our educational video on our website www.rodtechuk.com).

13. With power sweeping, the brush head utilizes centrifugal force to expand the brush to suit the flue size you are sweeping, it also centres itself and navigates corners and bends more effectively, and therefore you do not require a vast range of brushes. Because it is not a traditional brush there is minimal surface tension being created in the sweeping process as the head adjusts to fit the flue. You adjust the force of the sweeping action by increasing the speed of the drill. This has the effect of stiffening the brushing action on fast speeds and softening the brush on slower speeds. So if you are doing an older style chimney with loose or worn sides then you would use a low speed (1st gear/lowest speed), however if you are doing a heavily built up clay/ stainless steel flue then you can increase the speed giving you an increased effectiveness at cleaning.

14. There are two methods used when sweeping.

- a. Push the rods manually to the top of the chimney and power sweep down. On a lower speed, then back up again on the lower speed. Once you are sure that there is no damage to the liner, you can put the drill to the higher speed to remove creosote should there be the necessity. If the rods should ever be hard to get around a bend, you can use the drill on a lower speed to gently guide the rods up the flue.
- b. Power the rods gently up the flue using the lower speed (1st gear) when going up or down on the first pass of the flue, in case there is anything that could snag the head (nesting material etc) This will also help with dust control. When you are sure the flue is safe increase the speed up a gear, should you require it, and where there is creosote in the liner.

15. Always use the correct heads and rods for the flue you are sweeping.

A guide is given below, but further instruction on rods and heads is given later in this document.

- 8mm Rods (mini click system) should only be used in gas and oil flues no bigger than 5 inches (125mm).
- 10mm Rods (mini click system) should only be used in flues from 4 to 6 inches (100-150mm).
- The Mini click range of rods only have 3 brushes that connect to them.
- 100mm Bio Duct bullet (a stainless-steel stranded brush for cleaning induction tubes in Biomass boilers). The 300mm Duct cleaning brush (2x 300mm strands), and a 450mm twin bullet brush for use with the 10mm rods.

The Click Lock rods come in.

- 12mm which are excellent for lined flues of 6 to 8 inches (150-200mm)
- 15mm which are for lined and unlined flues of 8 to 18 inches (200mm- 450mm)
- 18mm which are for flues greater than 18 inches with or without bends (450mm+)
- 18mm Aluminium, which must be used on straight flues only, and must be used with the solid 18mm rods in-between each aluminium rod.

Chimney Sweeping heads come in.

- 100mm bio bullet head (for use with the 8mm or 10mm rods) is used for biomass tubes and duct cleaning
- 200mm Nest Punch, is exactly what is suggests. It is a hard-wired head that tears the most stubborn twigs and debris out of a flue. If you are using this product, ensure you have your torque setting on lower than normal.
- 250mm button lock bullet tool less (for use with the 12mm and 15mm rods) is used for cleaning soot and dust in lined flues. This does not require tools to re-strand the head
- 300mm Power brush (for use with the 12mm rods) is used for cleaning soot and dust in lined flues.
- 300mm Super Scrub (for use with the 12mm rods) is used to remove tar in all lined flues and bird nests in stainless steel lined flues.
- 300mm Chain tar remover (for use with 12, 15 or 18mm rods) this has multiple uses, but must never be used in stainless steel or Furan Flex flues!
- 300mm bullet head (for use with the 12mm rods) is used for cleaning soot and dust in lined flues. This does not require tools to re-strand the head
- 300mm Super Scrub deluxe (for use with the 12mm rods) is perfect for removing heavy tar from flexible liners and to remove debris from inside the cowls
- 450mm twin duct bullet head is used for getting into small openings and removing soot and dust from lined flues.
- 550mm button lock bullet tool less) is used for cleaning soot and dust in lined flues. This does not require tools to re-strand the head
- 600/300mm Super Scrub deluxe (for use with 12mm or 15mm rods) this is perfect for removing debris from inside cowls, whilst still cleaning open unlined flues.
- 600mm Power brush (for use with 12mm or 15mm rods) is used for cleaning soot and dust from lined or unlined flues and is less abrasive on loose lining (pargetting).
- 600mm Super Scrub brush (for use with 15mm rods) can be used to remove tar and bird nests in lined and unlined flues.
- 600mm mid rod head (for use with 12mm 15mm and 18mm rods) is used for cleaning horizontal shafts and can help the removal of bird's nests, and if put behind a Super Scrub deluxe adds 12 more cleaning strands to the 24 on the deluxe Super Scrub.
- 600mm Bird nest remover (for use with the 15 and 18mm rods) this head can be used for multiple purposes but must never be used in stainless steel flues!
- 900mm Super Scrub brush (for use with 15mm and both 18mm rods) is used for flues and ducts greater than 18 inches (450mm).
- Camera holder this attaches the camera to 12mm 15mm and 18mm rods to CCTV a chimney. NEVER use this when spinning the rods.

16. When sweeping a square/rectangular flue ascend in one direction and descend in the opposite direction.

17. There are different coloured rods (white and black) this is to allow you to mark the first rod and any change in size within the flue so that you can adjust the speed and direction giving you a visual aid when the brush head is about to exit or there is a structural change within the flue.
18. When power sweeping in larger chimneys the action of sweeping clockwise pulls the brush head to the right. Likewise, if you reverse the drill direction (anti-clockwise) the head will gravitate to the left.
19. In short power sweeping cleans chimneys more effectively while causing less strain on the structure of the flue, and also speeds up the sweeping process while making lighter work for you. It also reduces the need to have a van full of occasionally used brushes.
20. Although power sweeping has been proven to increase the amount of deposits that can be removed from a chimney, it is worth remembering that with this method of sweeping (as with anything new), the sweep has to adapt to it.

It is unusual to break or damage rods in the learning process with our Rodtech solid rods, provided you adhere to this manual as well as using and maintaining the equipment properly, should there be a manufacturing fault with the Click Rod joints or ferrules etc, they are covered under our 1 year warrantee.

21. When sweeping a chimney if you come to a point where the head stops, due to an obstruction, DO NOT force the brush to keep going. Simply bring the rods down 30 to 60 cm (a foot or two) change the direction of the head from clockwise to anti clockwise or vice-versa (making sure your drill is in 1st (SLOW) gear) and try again. This will allow the head to be re-positioned within the flue and then you should be able to carry on sweeping easily. Should this not work, there is a high likelihood that there is a nest or integral damage to the flue. You as the operative will have to make this judgment call and using the appropriate CCTV equipment to solve the problem. Remember do not force the equipment.
22. Please ensure that any shallow slopes are cleared thoroughly as deposits accumulate in these areas. Additional passes of the heads may be required to ensure the deposits have been fully removed.
23. Cows.
Some cows can be very sharp, and the effect of spinning the rod against these objects can cut a rod. To sweep these flues it is important to try not to exit the cow as this could damage your rod, so from the start of the job, judge the height, when you get towards the top of the flue, stop spinning the drill and check if you can see the head. If the head is not visible push the rod until you feel or hear the head hit the inside top of the cow (now visually check). If the head has exited the hat, please judge the distance the head is out and pull the rods back into the flue manually (check again). Now the head is at the top of the flue (not out of the cow), you can continue to power sweep downwards safely. These can be tricky, and it is your job to make sure that the flue is clear of burning by products.
24. It is advisable to check your equipment. It is good practice to maintain your van and equipment on a daily basis & have a set time at the end of each week for general maintenance and cleaning of equipment used. Make sure there are no stress marks in your rods. Make sure that the nuts

are tight on the heads and that the strands are fit for use. Drills & batteries etc are clean. In short, your appearance and that of your equipment and vehicle are what makes you stand apart from your competition and is a sign of a true professional.

25. Power sweeping could be a new sweeping method to you and the feeling you gained with traditional sweeping will not be the same as power sweeping. It is only experience that will teach you the best way to adapt to each situation. After using the equipment for a period of time (just as traditional sweeping) the feelings of what the equipment is doing will come to you.
26. There are many different heads designed for the power sweeping method, which cover; Oil, gas, ducting, chimney sweeping, tar removal, bird nest removal and clay liner removal. We also have adaptors for the Click rods which enable the rods to be used for other applications.
27. To re-strand the 300mm (12") mini click Bullet head and the 450mm (18") Twin Bullet head, you must locate the grub screw, housed in the connection area at the bottom of the head. Remove this grub screw (5mm hex) to release the existing Co-polymer strands, remove the strands. Thread the new Co-polymer strand into the top hole as illustrated, and then bend the strand, so that the Co-polymer is centralised and allows the second strand to be pushed into the lower hole easily. Repeat the bending of the Co-polymer to locate it centrally, some people find it easier to use a tape measure for greater accuracy.

Remember that if the strands are not centralised the head will be off balance and could cause a juddering motion, the head is designed to allow a moderate deviation from the exact centre, so you can use your eye should you feel confident. Finally tighten the grub screw with an Allen key and your Bullet head is now ready to use.

28. To Re-strand the 250mm or 550mm Bullet Head, simply push the existing stranding straight out. To replace the strands, fold the length of strand in half and grip as to form a crease in the centre of the strand. Put the ends of the strands (horizontally) in each hole and pull until the strand is fully locked in. Do the same on the opposing side so that the strands are balanced. Repeat this process for all six strands and the head is now re-stranded.
29. 300mm Power Sweeping Brush. This 300mm (12") head is designed to allow you to do the day-to-day cleaning of flues from 150mm to 200mm (6" to 8"). The design has a unique feature in that it can fit through a narrow gap such as bolted in throat-plates and dampers, which have been fitted in stoves and flues sometimes without sweeping access points. It also can fit through most firebox openings without the need to remove the plate. The whip heads contain co-polymer strands, which aid the sweeping of chimneys cleanly. The strands are six-sided strands, which generate flat sides to enhance the cleaning process. As the heads can turn clockwise and anti-clockwise, they are able to cover small chimneys with ease. The co-polymer strands are very simple to replace (see separate illustrations on how to re-strand later in this document), so the tool can be used for years to come which makes them far more cost effective than the tradition brush equivalents. The speed of the drill determines the force generated to clean the chimney. It is always advised to use low speeds in pre 1966 chimneys (rendered flues), and to always use battery power tools to safeguard yourself.

30. To re-strand the 300mm or 600mm Power Sweeping Brush you will need a 13mm spanner or ratchet and a small bottle of Loctite 243 thread locker or similar.
- Firstly, unscrew ball end, this will be tight as it has thread locking glue on it to hold it in place. Should you find it very difficult, wrap the ball in a small amount of cloth and use mole grips or vice to turn this off.
 - Use your 13mm spanner to remove the nut and it will then separate into 5 component parts. Using your Rodtech replacement strands follow the steps as illustrated below. You will need to gently hold both ends of the strands together to give you an approx. midpoint, and then place in the appropriate channels as shown. The groves on the central cylinder have been designed so that they will grip the replacement strands in place, making this a simple process.
 - The cylinder now holding the strands can be placed on the ferrule spindle. Remember that the cylinder can only go one way round as the pins have to locate. Making sure that the pins have slotted in correctly, now replace the nut, and tighten with your spanner. If you do not feel that the strands look equidistant, you can use a tape measure to check, prior to totally tightening the nut. You must now drip some Loctite 243 or equivalent onto the thread and locate your ball end back on. Without this thread lock your ball end could fall off. If you are replacing the stainless-steel strands of the bird nest remover or nest punch, follow the same procedure as described above. If you are replacing the chain, then the chain has to be located at the end of the chain and not in a central position.
31. 600mm Power Sweeping Brush. This 600mm (24") head is designed to allow you to do the day-to-day cleaning of flues greater than 200mm (8" & greater). The design has a unique feature in that it can fit through a narrow gap such as bolted in throat-plates and dampers, which have been fitted in stoves and flues sometimes without sweeping access points. It also can fit through most firebox openings without the need to remove the plate. The heads contain nylon strands, which aid the sweeping of chimneys cleanly. They are six sided strands, which generate flat sides to enhance the cleaning process. As the heads can turn clockwise and anti-clockwise, they are able to sweep small chimney flues with ease. The nylon strands are very simple to replace (see section 30 on how to re-strand), so the tool can be used for years to come which makes them far more cost effective than the tradition brush equivalents. In Flues greater than 450mm (18") you must ensure that you use one direction going up the flue and the reverse on its decent (clockwise/anticlockwise) you may also have to repeat this process a couple of times. The speed of the drill determines the force generated to clean the chimney. It is always advised to use low speeds in pre 1966 chimneys (rendered flues), and to always use battery power tools to safeguard yourself.
32. The Super Scrub heads come in three sizes, 300mm (12"), 600mm (24") and Inglenook 900mm (36"). They are strung differently; the 300mm head has strands going sideways while the 600mm and 900mm head has strands going up and down.
33. The smaller Super Scrub head (300mm) is designed for sweeping flues attached to appliances such as wood burners and multi-fuel stoves etc. The Medium Super Scrub head 600mm is for all other flues, with the exception of extremely large flues where the 900mm Inglenook Super Scrub is advised. The head size should be chosen according to the flue you are sweeping. Please refer to the guide given with each rod size towards the back of this Document in section 46. How to re-string your Super Scrub head

34. Chain Tar remover. This head is designed to clear tar and creosote within round clay lined flues and chimney pots.

THE CHAIN TAR REMOVER MUST NOT BE USED IN STAINLESS STEEL LINERS, FURAN FLEX LINERS OR OTHER FRAGILE FLUES.

It is advised that in tarry flues with a build-up of creosote it is very likely that cold spots will be particularly choked. It is advised that you use the chain tar remover to remove these deposits usually found in the chimney pot.

This is not designed for general power sweeping, warning this product may cause structural damage to the chimney if not used in correct application and with caution.

35. The Bird nest remover can also be used as a tar/creosote remover within unlined flues and lined flues.

THE BIRDS NEST REMOVER MUST NOT BE USED IN STAINLESS STEEL LINERS, FURAN FLEX LINERS OR OTHER FRAGILE FLUES.

36. The bird nest remover & nest punch.

THESE BRUSHES MUST NOT BE USED IN STAINLESS STEEL LINERS.

37. For the Birds' nest remover and the Nest punch heads. The Tips of the stainless-steel strands have either been welded or will have a crimped-on ends to protect the strands from fraying and allow longer use of this product, they sometimes also have an aglet in the middle of the wire to minimise fraying from the centre of the wire. However, due to the nature of the work they are asked to perform and the differing approach the sweep needs to take the wires can still unwind and will be sharp! Handle with caution as these can cut and leave metal splinters if not handled with care! The wires can even break after the first use but are classed as a consumable component and as such should be priced into the removal of each nest. Remember that a frayed wire can still be used to remove a bird's nest. Tough rigger gloves should be worn to protect hands when handling frayed wires.

38. When using the nest punch, **YOU MUST USE** your torque control, and set it low enough that if the tool snags in a nest it does not snatch your hand, as this could injure you.

39. When using the Bird nest remover or nest punch, be advised that the nesting material can drop down the chimney and reform behind the brush head, so try and make sure that you remove the nest slowly making sure that the nest debris clears all the way down before removing more. With the Click Rod system, you can purchase additional mid-rod heads to aid in the smooth removal of a nest.

40. All birds their nests and eggs are protected by law: The Wildlife & Countryside Act of 1981. This makes it an offence, with certain exceptions, to deliberately take, damage or destroy the nest of any wild bird while it is in use or being built. It is also illegal to take or destroy the egg of any wild bird. The maximum penalty that can be imposed for an offence under the Wildlife and Countryside Act - in respect of a single bird, nest or egg - is a fine of up to £5,000, and/or six months' imprisonment.

The Wildlife & Countryside Act 1981 is one of the most important pieces of Wildlife legislation in this country.

It states it is an offence to:

- Intentionally kill, injure or take any wild bird
- Intentionally take, damage or destroy the nest of any wild bird while that nest is in use or being built
- Intentionally take or destroy an egg of any wild bird.

If you are unsure there is a nesting Jackdaw, then the best advice is to wait until the end of August - September. The breeding season for Jackdaw's is April - July.

They only have one brood so if they lay early in April incubation takes 20 days. The nestlings then fledge at 32 - 33 days, so the first weeks of June would be when you would see the Juveniles.

If they were late breeders in July then the nestlings would fledge late August early September.

Due to this fact Bird nests should only be removed between Mid-September through to the end of March.

41. You can kill some wild birds during the nesting season, but only those listed on the WML-GL35, these include crows, collared doves, jackdaws, jays, magpies, pigeons (feral and woodpigeon) & rooks

You must be able to prove the reason why you have removed the nest and eggs etc (I.E. a health and safety reason).

42. To re-strand the bird nest remover and nest punch, please see how to re-strand the Power sweeping brush 300mm and 600mm in [This section](#).
43. Small clay liner removing tool. This 100mm x 100mm (4" x 4") small clay liner removing tool attaches ideally to the 1M x 18mm rods. This product removes the clay liner by breaking it to pieces. Ideal size of flue for removal is 150mm (6") to 200mm (8"). Must be used with care and dust control.
44. Large clay liner removing tool. This 100mm x 150mm (4" x 6") Large clay liner removing tool attaches ideally to the 1M x 18mm rods. This product removes the clay liner by breaking it to pieces. Ideal size of flue for removal is 200mm (8") and above. Must be used with care and dust control.

When using either of the clay liner removing tools it is recommended that you use a 36v cordless drill together with the steel ended 18mm liner breaker rods. Due to the weight and the speed in which the clay liner tools are used, you must always slow down the speed of your drill when stopping, thus avoiding snapping rods unnecessarily. The forward momentum of the weight on the end of the rods can be so great that the inertia can snap the rods or even pull the drill out of the operators' hand. It may be advisable to allow for a rod replacement within a quote of this type of work.

45. The retrieval tool is to aid in the removal of bird nests and can also be used to retrieve rods and brushes that customers may have lost in chimneys.

THIS RETREIVAL TOOL IS FOR HAND USE ONLY AND MUST NOT BE USED WITH A DRILL AS IT CAN SNAG INSIDE A CHIMNEY AND CAUSE DAMAGE.

46. In the Click range there are 6 different sizes of rods available for rotary power sweeping.
 - a. 8mm This rod is for use with the Mini Click Range
 - b. 10mm This rod is for use with the Mini Click Range
 - c. 12mm This rod is for use with the Click Lock Range
 - d. 15mm This rod is for use with the Click Lock Range
 - e. 18mm This rod is for use with the Click Lock Range
47. Smaller rods can be used as a leader rod for a bigger version. You can use: -
 - a. an 8mm rod as a leader on the 10mm rod with the use of an adaptor.
 - b. The 12mm as a leader for 15mm rods,
 - c. 15mm as a leader for the 18mm.
48. 1M x 8mm Solid Mini Click lock rod for use in gas/oil/lint and small ducted flues. This extremely flexible and versatile rod enables you to efficiently clean up to 125mm/5-inch oil/gas and other ducting flues with the appropriate Mini Click attachments.
49. 1M x 10mm Mini Click Lock Rod. These highly flexible and hard-wearing solid section rods are ideally suited to the same applications as the 8mm Mini Click rods but offer slightly more rigidity making them ideal for use in biomass boiler tubes using the 100mm steel Bio Duct cleaning brush. The rods should not be used in flues greater than 6 inches (150mm).
50. 1M x 12mm Solid Click Rod. These highly flexible and hard-wearing solid section rods are ideally suited for flues and ducting within a range of sizes from 150mm (6") to 200mm (8"), such as lined appliances. They can be used with a verity of attachments for power sweeping/cleaning.
51. 1M x 15mm Solid Click Rod. These flexible and hard-wearing solid section rods are ideally suited for flues and ducting within a range of sizes from 150mm (6") to 450mm (18"), usually open fire flues. They come with a verity of attachments for power sweeping/cleaning.
52. 1M x 18mm Solid Click lock Rod. These minimal flex and hard-wearing solid section rods are ideally suited for flues and ducting with a range of sizes upwards of 450mm (18 inches) mainly inglenooks. They come with a verity of attachments for power sweeping/ cleaning. These rods are also used for breaking old or damaged clay liners by the use of the Tile breaker attachments. These rods are best used with a high torque 36v Drill when used with the tile breaker attachments or in very tall or very wide chimneys.
53. 1M x 18mm Aluminium Click Lock Rod. These Aluminium rods are ideally suited for flues and ducting with a range of sizes upwards of 600mm (24 inches). When confronted by a large flue, such as an inglenook, (600 mm/24 inches and above) you **MUST** use this rod together with the Rodtech Click 18mm x 1000mm Solid Rod. When using this rod in conjunction with the 18mm solid rods, you must start with the solid rod, then every other rod must be either solid or aluminium. Should you try and use just aluminium rods, these will shake causing skittering and will possibly break quickly.

54. The Rodtech Click to Quarter Inch Whitworth Adaptor is to allow quarter inch Whitworth brushes to be used with Rodtech Click rods should the operator desire to manual sweep. It comes with a grub screw so that you can secure your desired brush to the adaptor to be able to turn your Rodtech Click rods clockwise and Anti-clockwise when manually sweeping providing the grub screw has been tightened sufficiently. Traditional brushes should never be used when power sweeping and should only be used for manual sweeping unless specifically allowed by the brush manufacturer.
55. There are many methods of dust control that can be used with power sweeping, these are: -
- Inflatable canvas bags
 - Sponge blocking systems
 - sheets and poles method.
 - Sheets and magnets
56. If you are sweeping wet or dirty flues where the rods could exit the flue and dirt be spun, it is advised to hold a piece of towelling or cloth in the flat of your hand and clean the rods as they exit the flue.
57. The Rodtech Chimney Rod Guide is designed to make sweeping easier and cleaner. With this piece of equipment, the rod travels through the tube and the vacuum fits on the side of the T piece to ensure better dust control it also helps protect your rods from damage from sharp objects while they are spinning. Dimensions 80 cm long (31.5 inches) internal diameter (30mm 1.25 inches)

How to use:

- Put the rod into the rod guide.
- Attach the brush head.
- Put the brush into the flue.
- Slide the rod guide into the flue.

Use standard dust control as you would usually but with the vacuum tube on the rod guide.

58. As with any new technology the best practice guide as it stands is just that BEST PRACTICE. The guide will always be updated and adjusted as and when improvements can be made. But it does not eliminate the risk of hazards occurring. It is ultimately down to the sweep to use the power sweeping method in a practical, safe and responsible manner.

We believe once you have tried power sweeping and adapted it to your own requirements you will be pleased with the results you will achieve, and the speed at which the cleaning is done. Further the customer always gets the cleanest, fastest sweep making them happier in the process.

If you discover a technique or manner of sweeping not described in this best practice guide that you believe will benefit others please let us know so we can continue to keep our customers up to date with the best sweeping methods.

Disclaimer

All details in this guide are correct at time of publication.

Whilst every attempt is made to ensure the information in this guide is helpful and accurate, Rodtech UK Ltd, or its affiliates cannot be held responsible for any mishap that may occur whilst using the equipment or techniques detailed in this guide.

This is a best practice guide only and should not be used solely as a reference.

Rodtech actively supports all trade associations, and believes that the users of our equipment should adhere to the code of conduct (of their chosen trade body), Building Regulations and the Health and safety at work act should be followed at all times.

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www.rodtechuk.com

Liner Manufactures and Insurers approve RODTECH POWER SWEEPING equipment
(please see our website for more details).

This includes the replacement nylons for the heads, in order to safeguard their warranties.
The nylons used by Rodtech are hexagonal and allow the flat sides of the strands to scrape the
deposits off within a flue.

Other shaped nylons have been tested but DO NOT produce the same effect.

The Rodtech Click Rods can be used for both manual and power sweeping and duct cleaning.

All new click rod equipment comes with a 12 Month Manufactures Warranty.
(excluding when used with the tile removers).