



Icon **KEY**

**NEW** New products  
within the range

**NSL** Loose Products only  
supplied in box quantities

# Plumbing

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Here at Centurion we recognise that our customers have different needs dependent on their customers and this is the reason we offer a wider range of supplies outside of our traditional Hardware & Ironmongery.

Our Plumbing Solutions range of fittings and accessories cover essential items such as pipe connectors and fittings, waste fittings, bathroom and shower accessories and fittings, vents and much more.

Our range continues to grow as we source some of the best quality and value products on the market for the home.



Packed Products only  
supplied in outer quantities



New sizes added to  
existing product ranges

# Pipe Connectors and Fittings

## Solder Ring Copper Straight Coupling

- Manufactured with lead free solder.
- Suitable for use with potable water.
- BS EN 1254-2 WRAS.



| Description            | Code  | Pack Qty | Outer Qty |
|------------------------|-------|----------|-----------|
| 10mm                   | YS07P | 2        | 5         |
| 15mm                   | YS01P | 2        | 5         |
| 15mm <b>MULTI-PACK</b> | YS30P | 5        | 3         |
| 22mm                   | YS02P | 1        | 5         |

## Solder Ring Copper Fitting Reducer

- Manufactured with lead free solder.
- Suitable for use with potable water.
- BS EN 1254-2 WRAS.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 15 x 10mm   | YS09P | 1        | 5         |
| 22 x 15mm   | YS06P | 1        | 5         |

## Solder Ring Copper Elbow

- Manufactured with lead free solder.
- Suitable for use with potable water.
- BS EN 1254-2 WRAS.



| Description            | Code  | Pack Qty | Outer Qty |
|------------------------|-------|----------|-----------|
| 10mm                   | YS08P | 2        | 5         |
| 15mm                   | YS12P | 2        | 5         |
| 15mm <b>MULTI-PACK</b> | YS31P | 5        | 3         |
| 22mm                   | YS13P | 1        | 5         |

## Solder Ring Copper Straight Tap Connector

- Manufactured with lead free solder.
- Suitable for use with potable water.
- BS EN 1254-2 WRAS.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 15mm x 1/2" | YS62P | 1        | 5         |
| 22mm x 3/4" | YS63P | 1        | 5         |

## Solder Ring Copper Tee

- Manufactured with lead free solder.
- Suitable for use with potable water.
- BS EN 1254-2 WRAS.



| Description            | Code  | Pack Qty | Outer Qty |
|------------------------|-------|----------|-----------|
| 15mm                   | YS23P | 1        | 5         |
| 15mm <b>MULTI-PACK</b> | YS32P | 5        | 3         |
| 22mm                   | YS24P | 1        | 5         |

## Solder Ring Copper Bent Tap Connector

- Manufactured with lead free solder.
- Suitable for use with potable water.
- BS EN 1254-2 WRAS.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 15mm x 1/2" | YS64P | 1        | 5         |

## Solder Ring Copper Reducing Tee

- Manufactured with lead free solder.
- Suitable for use with potable water.
- BS EN 1254-2 WRAS.



| Description    | Code  | Pack Qty | Outer Qty |
|----------------|-------|----------|-----------|
| 22 x 22 x 15mm | YS25P | 1        | 5         |

## Solder Ring Copper Stop End

- Manufactured with lead free solder.
- Suitable for use with potable water.
- BS EN 1254-2 WRAS.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 15mm        | YS60P | 1        | 5         |
| 22mm        | YS61P | 1        | 5         |

## Copper Saddle Pipe Clips

- Quick and easy to install.
- Securely holds pipework in place.



NSL NSP

| Description | LOOSE  |           | PACKED |          |           |
|-------------|--------|-----------|--------|----------|-----------|
|             | Code   | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 15mm        | PA118L | 100       | PA118P | 5        | 5         |
| 22mm        | PA119L | 100       | PA119P | 5        | 5         |

## Brass Compression Straight Coupling

- Suitable for use with copper/plastic pipes with the suitable inserts.
- No soldering is required.
- Can be used for hot/cold water systems.
- BS EN 1254-2 WRAS.



NSP

| Description | Code             | Pack Qty | Outer Qty |
|-------------|------------------|----------|-----------|
| 10mm        | CO40P            | 1        | 5         |
| 15mm        | CO01P            | 1        | 5         |
| 15mm        | MULTI-PACK CO45P | 5        | 3         |
| 22mm        | CO02P            | 1        | 5         |

## Chromed Compression Straight Coupling

- Connects two sections of pipe together.
- Suitable for use with copper/plastic pipes with the suitable inserts.
- No soldering is required.
- Can be used for hot/cold water systems.
- BS EN 1254-2 WRAS.



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 15mm        | CO04P | 1        | 5         |

## Brass Compression Reducing Coupling

- For connecting two sections of pipe together.
- Suitable for use with copper and plastic pipes with the suitable inserts.
- No soldering is required.
- Can be used for hot and cold water systems.
- BS EN 1254-2 WRAS.



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 15 x 10mm   | CO03P | 1        | 5         |
| 15 x 12mm   | CO26P | 1        | 5         |

## Compression Male Adaptor

- Connects two sections of pipe together.
- Suitable for use with copper/plastic pipes with the suitable inserts.
- No soldering is required.
- Can be used for hot/cold water systems.
- BS EN 1254-2 WRAS.



NSP

| Description       | Code  | Pack Qty | Outer Qty |
|-------------------|-------|----------|-----------|
| 15mm x 1/2 Thread | CO27P | 1        | 5         |

## Compression Female Adaptor

- Connects two sections of pipe.
- Suitable for use with copper/plastic pipes with the suitable inserts.
- No soldering is required.
- Used for hot/cold water systems.
- BS EN 1254-2 WRAS.



NSP

| Description       | Code  | Pack Qty | Outer Qty |
|-------------------|-------|----------|-----------|
| 15mm x 1/2 Thread | CO28P | 1        | 5         |

## Brass Compression Elbow

- A 90° bend to change direction of a pipe.
- Suitable for use on copper/plastic pipes with the suitable inserts.
- No soldering is required.
- BS EN 1254-2 WRAS.



NSP

| Description | Code              | Pack Qty | Outer Qty |
|-------------|-------------------|----------|-----------|
| 10mm        | CO41P             | 1        | 5         |
| 15mm        | CO11P             | 1        | 5         |
| 15mm        | MULTI-PACK CO456P | 5        | 3         |
| 22mm        | CO12P             | 1        | 5         |

## Chromed Compression Elbow

- Easy to install.
- A 90° bend to change direction of a pipe.
- Suitable for use on copper/plastic pipes with the suitable inserts.
- No soldering is required.
- BS EN 1254-2 WRAS.



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 15mm        | CO05P | 1        | 5         |

## Brass Compression Male Elbow

- Easy to install.
- A 90° bend to change direction of a pipe.
- Suitable for use on copper/plastic pipes with the suitable inserts.
- Ideal for water, oil & gas systems.
- No soldering is required.
- BS EN 1254-2 WRAS.



| Description       | Code  | Pack Qty | Outer Qty |
|-------------------|-------|----------|-----------|
| 15mm x 1/2 Thread | CO29P | 1        | 5         |

## Brass Compression Female Elbow

- Easy to install.
- A 90° bend to change direction of a pipe.
- Suitable for use on copper/plastic pipes with the suitable inserts.
- Ideal for water, oil & gas systems.
- No soldering is required.
- BS EN 1254-2 WRAS.



| Description       | Code  | Pack Qty | Outer Qty |
|-------------------|-------|----------|-----------|
| 15mm x 1/2 Thread | CO30P | 1        | 5         |

## Brass Compression Tee

- Easy to install.
- Used to branch of a pipe.
- Suitable for use on copper and plastic pipes with the suitable inserts.
- No soldering is required.
- BS EN 1254-2 WRAS.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 15mm        | CO24P | 1        | 5         |
| 22mm        | CO25P | 1        | 5         |

## Chromed Compression Tee

- Easy to install.
- Used to branch of a pipe.
- Suitable for use on copper and plastic pipes with the suitable inserts.
- No soldering is required.
- BS EN 1254-2 WRAS.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 15mm        | CO37P | 1        | 5         |

## Brass Compression Straight Tap Connector

- Easy to install.
- Suitable for use on copper/plastic pipes with the suitable inserts.
- No soldering is required.
- BS EN 1254-2 WRAS.



| Description     | Code  | Pack Qty | Outer Qty |
|-----------------|-------|----------|-----------|
| 15mm x 1/2" BSP | CO08P | 1        | 5         |
| 22mm x 3/4" BSP | CO09P | 1        | 5         |

## Chromed Compression Straight Tap Connector

- Easy to install.
- Suitable for use on copper/plastic pipes with the suitable inserts.
- No soldering is required.
- BS EN 1254-2 WRAS.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 15mm x 1/2" | CO31P | 1        | 5         |

## Brass Compression Bent Tap Connector

- Easy to install.
- Suitable for use on copper/pipes with the suitable inserts.
- No soldering is required.
- BS EN 1254-2 WRAS.



| Description     | Code  | Pack Qty | Outer Qty |
|-----------------|-------|----------|-----------|
| 15mm x 1/2" BSP | CO10P | 1        | 5         |

## Brass Compression Wall Plate Elbow

- For use with garden hose taps.
- BS EN 1254-2 WRAS.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 15mm x 1/2" | CO06P | 1        | 5         |

## Brass Compression Tank Connector

- The compression tank connector fitting connects your water pipe to a storage tank and does not require heat or solder.
- No soldering required.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 15mm        | CO32P | 1        | 5         |

## Brass Compression Stop End

- For capping off and terminating a pipe.
- Suitable for use on copper/plastic pipes with the suitable inserts.
- No soldering is required.
- BS EN 1254-2 WRAS.



| Description            | Code  | Pack Qty | Outer Qty |
|------------------------|-------|----------|-----------|
| 10mm                   | CO42P | 1        | 5         |
| 15mm                   | CO13P | 1        | 5         |
| 15mm <b>MULTI-PACK</b> | CO47P | 5        | 3         |
| 22mm                   | CO14P | 1        | 5         |

## Copper Olive Rings

- Olive rings are used to create a water tight seal in compression plumbing fittings.
- Suitable for domestic and commercial heating and plumbing applications.
- BS EN 1254-2 WRAS.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 15mm        | CO19P | 4        | 5         |
| 22mm        | CO20P | 4        | 5         |

## Brass Blank Cap

- A threaded brass fitting used to close an opening of a pipe.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 1/2"        | CO33P | 1        | 5         |
| 3/4"        | CO34P | 1        | 5         |

## Brass Flanged Back Nut

- Use in conjunction with washer to make water tight.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 1/2"        | CO35P | 1        | 5         |
| 3/4"        | CO36P | 1        | 5         |

## Brass Gate Valves

- Enables two lengths of copper pipe/tube to be easily connected on hot or cold systems.
- Red wheelhead handle.
- Manufactured to BS5154-PN16 rated.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 15mm C x C  | PA06P | 1        | 3         |
| 22mm C x C  | PA07P | 1        | 3         |

## Lever Type Ball Valve

- With Red/Blue ID Rings.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 15mm        | PA520P | 1        | 3         |
| 22mm        | PA521P | 1        | 3         |

## Chromed Isolating Valve

- Screw type.
- Pressure tested to 10 bar.
- Operation by screwdriver slot.
- Compression ends to BS EN1254-2.
- Manufactured to BS6675.
- WRC approved.



| Description                  | LOOSE  |           | PACKED |          |           |
|------------------------------|--------|-----------|--------|----------|-----------|
|                              | Code   | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 15mm C x C                   | PA252L | 5         | PA252P | 1        | 5         |
| 15mm C x C <b>MULTI-PACK</b> |        |           | PA253P | 5        | 3         |
| 22mm C x C                   | PA419L | 5         | PA419P | 1        | 3         |

## Chromed Lever Type Isolating Valve

- The isolating valve is used to turn off the flow of fluid from part of the system.
- Black Lever.
- Operation by plastic handle.
- Compression ends to BS EN1254-2.
- Manufactured to BS6675.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 15mm C x C  | PA420P | 1        | 5         |

## Brass Isolating Valve

- The isolating valve is used to turn off the flow of fluid from part of the system.
- Screw type.
- Operation by screwdriver slot.
- Compression ends to BS EN1254-2.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 15mm C x C  | PA421P | 1        | 5         |

## Brass Check Valve

- Reduces risk of contamination in water supply.
- Prevent back flow & back-siphonage.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 15mm C x C  | PA503P | 1        | 3         |

## Chromed Straight Service Valve

- Turns off used water supply from system.
- No draining needed on the entire system.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 15 x 1/2"   | PA504P | 1        | 3         |

## Chromed Bent Service Valve

- Connects or locks off water supply from any fitting.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 15 x 1/2"   | PA505P | 1        | 3         |

## Brass Draw Off Cock

- Allows drainage from the central heating system.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 1/2" Type A | PA507P | 1        | 5         |
| 15mm Type A | PA508P | 1        | 5         |

## Brass Stopcock

- Ideal for restricting or shutting off the incoming water main.
- Manufactured to BS EN1213.
- Compression ends to BS EN 1254-2.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 15mm C x C  | PA04P  | 1        | 3         |
| 22mm C x C  | PA509P | 1        | 3         |

## Brass Garden Hose Bib Tap

- An outside / garden water tap.
- Manufactured to BS EN1213.



NSL NSP

| Description | LOOSE |           | PACKED |          |           |
|-------------|-------|-----------|--------|----------|-----------|
|             | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 1/2"        | PA10L | 5         | PA10P  | 1        | 3         |

## Brass Garden Hose Bib Tap With Check Valve

- An outside / garden water tap.
- Manufactured to BS EN1213.
- WRC approved.



NSP

| Description | LOOSE  |           | PACKED |          |           |
|-------------|--------|-----------|--------|----------|-----------|
|             | Code   | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 1/2"        | PA254L | 1         | PA254P | 1        | 3         |

## Spare Brass Nozzle

- For garden hose tap.
- Enables easy connection of standard garden hoses
- Includes both the brass nozzle with a 1/2 inch tail connection and a spare washer to ensure a watertight seal.



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 1/2" Tail   | PA12P | 1        | 5         |

## Outside Garden Tap Kit

- Simply connects to existing cold water supply.
- Includes full fitting instructions.
- Conforms to water regulations.
- Includes double check valve.
- Quarter turn action.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Tap Kit     | PA394P | 1        | 1         |

## Plastic Equal Straight Coupling

John Guest

- Push-fit plastic fitting for the connection of plastic and copper pipe.
- Suitable for hot and cold water and central heating systems.
- BSI and WRAS approved.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 15mm        | PA300P | 1        | 5         |
| 22mm        | PA301P | 1        | 3         |

## Plastic Equal Elbow

John Guest

- Push-fit plastic fitting for the connection of plastic and copper pipe.
- Suitable for hot and cold water and central heating systems.
- BSI and WRAS approved.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 15mm        | PA302P | 1        | 5         |
| 22mm        | PA303P | 1        | 3         |

## Plastic Reducing Elbow

John Guest

- Push-fit plastic fitting for the connection of plastic and copper pipe.
- Suitable for hot and cold water and central heating systems.
- BSI and WRAS approved.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 22 x 15mm   | PA375P | 1        | 3         |

## Plastic Equal Tee

John Guest

- Push-fit plastic fitting for the connection of plastic and copper pipe.
- Suitable for hot and cold water and central heating systems.
- BSI and WRAS approved.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 15mm        | PA304P | 1        | 5         |
| 22mm        | PA305P | 1        | 3         |

## Plastic Straight Tap Connector

John Guest

- Push-fit valve for the connection of plastic and copper pipe.
- Not suitable central heating systems.
- BSI and WRAS approved.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 15mm x 1/2" | PA308P | 1        | 5         |

## Plastic Stop End

- Push-fit plastic fitting for the connection of plastic and copper pipe.
- Suitable for hot and cold water and central heating systems.
- BSI and WRAS approved.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 15mm        | PA306P | 1        | 5         |
| 22mm        | PA307P | 1        | 3         |

## Plastic Service Valve

- Push-fit valve for the connection of plastic and copper pipe.
- Not suitable central heating systems.
- BSI and WRAS approved.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 15mm        | PA309P | 1        | 3         |

## Plastic Appliance Tap

- Push-fit plastic fitting for the connection of plastic and copper pipe.
- Not suitable central heating systems.
- BSI and WRAS approved.



| Description     | Code   | Pack Qty | Outer Qty |
|-----------------|--------|----------|-----------|
| 15mm x 3/4" BSP | PA380P | 1        | 3         |

## Plastic Emergenc Shut-Off Tap

- Push-fit plastic fitting for the connection of plastic and copper pipe.
- Not suitable central heating systems.
- BSI and WRAS approved.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 15mm        | PA382P | 1        | 3         |

## Pipe Inserts

- Speedfit.
- 2 extra O-rings provide enhanced sealing.
- Helps to maintain structural integrity of the pipe.
- Suitable for hot and cold water.
- Suitable for central heating systems.
- BSI and WRAS approved.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 15mm        | PA311P | 2        | 5         |
| 22mm        | PA312P | 2        | 5         |

## Flexible Hose Connector

- White flexible hose.
- Suitable for drinking water.
- WRAS approved.



| Description       | Code   | Pack Qty | Outer Qty |
|-------------------|--------|----------|-----------|
| 15 x 1/2" x 300mm | PA376P | 1        | 3         |
| 22 x 3/4" x 300mm | PA377P | 1        | 3         |

## Flexible Tap Connector

- An alternative to hard piping to a tap.
- Quicker to install in confined spaces.
- Flexible tap connector.
- Standard bore.
- With nickel plated brass fittings.
- WRC approved.



NSP

| Description  | Code   | Pack Qty | Outer Qty |
|--------------|--------|----------|-----------|
| <b>300mm</b> |        |          |           |
| 15mm x 1/2"  | PA123P | 1        | 3         |
| 15mm x 3/4"  | PA245P | 1        | 3         |
| 22mm x 3/4"  | PA139P | 1        | 3         |
| <b>500mm</b> |        |          |           |
| 15mm x 1/2"  | PA395P | 1        | 3         |

## Flexible Tap Connector with Isolating Valve

- Stainless steel, standard bore with nickel plated brass fittings.
- Complete with isolating valve.
- Suitable for drinking water.
- WRAS approved.



NSP

| Description         | Code   | Pack Qty | Outer Qty |
|---------------------|--------|----------|-----------|
| 15mm x 1/2" x 300mm | PA422P | 1        | 3         |

## Push Fit Flexible Tap Connector

- Stainless steel, standard bore with nickel plated brass fittings.



| Description         | Code   | Pack Qty | Outer Qty |
|---------------------|--------|----------|-----------|
| 15mm x 1/2" x 300mm | PA511P | 1        | 3         |
| 22mm x 3/4" x 300mm | PA512P | 1        | 3         |

## Push Fit Flexible Tap Connector with Isolating Valve

- Stainless steel, standard bore with nickel plated brass fittings.



| Description         | Code   | Pack Qty | Outer Qty |
|---------------------|--------|----------|-----------|
| 15mm x 1/2" x 300mm | PA513P | 1        | 3         |

## Flexible Tube to Tube Connector

- Stainless steel, standard bore with nickel plated brass fittings.
- Compression hose.
- Tube to tube.



| Description         | Code   | Pack Qty | Outer Qty |
|---------------------|--------|----------|-----------|
| 15mm x 15mm x 300mm | PA423P | 1        | 5         |

## Flexible Tap Tails

- Stainless steel to be used with monoblock taps.
- Suitable for drinking water.
- WRAS approved.



| Description        | Code   | Pack Qty | Outer Qty |
|--------------------|--------|----------|-----------|
| M10 x 15mm x 300mm | PA424P | 1pr      | 3         |
| M12 x 15mm x 300mm | PA514P | 1pr      | 3         |

## Plastic Snap Fix Pipe Clips

- Provides a strong and reliable snap fit pipe fixing.



| Description | LOOSE  |           | PACKED |          |           |
|-------------|--------|-----------|--------|----------|-----------|
|             | Code   | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 15mm        | PA121L | 100       | PA121P | 4        | 5         |
| 22mm        | PA122L | 100       | PA122P | 4        | 5         |

## Plastic Nail in Pipe Clips

- Nail fix.
- Provides a strong reliable fixing.
- Suitable for use with plastic and copper pipe.



| Description | LOOSE  |           | PACKED |          |           |
|-------------|--------|-----------|--------|----------|-----------|
|             | Code   | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 10/12mm     | PA510L | 100       | PA510P | 5        | 5         |
| 15mm        | PA315L | 100       | PA315P | 5        | 5         |
| 22mm        | PA316L | 100       | PA316P | 5        | 5         |

## Pipe Cover

- Improves the look of exposed pipe work.



| Description       | Code   | Pack Qty | Outer Qty |
|-------------------|--------|----------|-----------|
| 15 x 200mm White  | PA405P | 2        | 5         |
| 15 x 200mm Chrome | PA406P | 2        | 5         |

## Plastic Pipe Collars

- Conceals unsightly penetrations through floors and walls.
- 45mm / Space in centre diameter: 15mm.



| Description      | Code  | Pack Qty | Outer Qty |
|------------------|-------|----------|-----------|
| 15mm White       | FC31P | 4        | 5         |
| 15mm Pine Effect | FC32P | 4        | 5         |
| 15mm Oak Effect  | FC36P | 4        | 5         |

# Radiator and Service Keys

## Angled Radiator Valve

- Ideal for a clean finish when pipework has come out of the wall.
- Essential item for heated towels and wall mounted radiators.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 8mm         | PA515P | 1        | 3         |
| 10mm        | PA516P | 1        | 3         |
| 15mm        | PA01P  | 1        | 3         |

## Thermostatic Radiator Valve

- Operating range 7-28°C.
- 120°C max working temperature.
- Fits vertically or horizontally.
- Liquid sensor.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 15mm        | PA02P | 1        | 1         |

## Straight Radiator Valve

- Designed for pipework that sits in the floor.
- Essential item for heated towels and wall mounted radiators.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 15mm        | PA517P | 1        | 3         |

## Directional Radiator Air Vent Bleed Valve With Plug Model

- Valve is used to manually open air vent for radiators.
- Open with screw driver or designated radiator key.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| ½" Chrome   | PA522P | 1        | 5         |

## Angled Chrome Radiator Valve

- Ideal for a clean finish when pipework has come out of the wall.
- Essential item for heated towels and wall mounted radiators.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 15mm        | PA518P | 1        | 3         |

## Boiler Filling Loop

- Connects central heating system to the main water supply.



| Description   | Code   | Pack Qty | Outer Qty |
|---------------|--------|----------|-----------|
| 15mm Straight | PA523P | 1        | 1         |

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### Radiator Keys

| Description | Code    | Box Qty |
|-------------|---------|---------|
| Zinc Plated | PA18LDB | 100     |

### T' Bar Style Radiator Keys

| Description | Code    | Box Qty |
|-------------|---------|---------|
| Brass       | PA19LDB | 100     |

### Clock Style Radiator Keys

| Description | Code   | Box Qty |
|-------------|--------|---------|
| Brass       | PA20DB | 50      |



## Universal Radiator Brackets

- Ideal for standard compact central heating radiators.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 30 x 79mm   | PA524P | 4        | 5         |

## Zinc Radiator Key

- For bleeding and draining of most radiators.
- Durable and long lasting.
- Square opening for use on domestic radiator bleed screws.



NSL NSP

| Description  | LOOSE |           | PACKED |          |           |
|--------------|-------|-----------|--------|----------|-----------|
|              | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| T' Bar Style | PA18L | 50        | PA18P  | 2        | 5         |

## T' Bar Style Brass Radiator Keys

- Lightweight, durable and long lasting.
- For bleeding and draining of most radiators.
- Square opening for use on domestic radiator bleed screws.



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| Description  | LOOSE |           | PACKED |          |           |
|--------------|-------|-----------|--------|----------|-----------|
|              | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| T' Bar Style | PA19L | 25        | PA19P  | 1        | 5         |

## Rear Access Radiator Key

- Features a sliding tommy bar allowing to reach inaccessible areas or where radiators are positioned close to the wall.



NSL

| Description | LOOSE |           | PACKED |          |           |
|-------------|-------|-----------|--------|----------|-----------|
|             | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
|             | PA21L | 25        | PA21P  | 1        | 5         |

## Clock Style Brass Radiator Keys

- Lightweight, durable and long lasting.
- For bleeding and draining of most radiators.
- Square opening for use on domestic radiator bleed screw.



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| Description | LOOSE |           | PACKED |          |           |
|-------------|-------|-----------|--------|----------|-----------|
|             | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| Clock Style | PA20L | 25        | PA20P  | 1        | 5         |

## Metal Service Key

- For radiator drain cocks, radiator air vents, gas/electric boxes and water meter service boxes.
- Cross key style.



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 72 x 72mm   | PA38P | 1        | 5         |



# Waste Fittings

## Plastic Compression Straight Coupling

- Made in white polypropylene.
- Quick and easy to install.
- Incorporates a compression outlet that accepts plastic and copper pipes.
- BS 5254, BS EN 1451-1:2000.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 32mm        | PA248P | 1        | 4         |
| 40mm        | PA249P | 1        | 4         |

## Plastic Compression Swept Tee

- Made from white polypropylene.
- Incorporates a compression outlet.
- Accepts plastic and copper pipes.
- No solvent welding required.
- Manufactured to BS 5254, BS EN 1451-1:2000.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 32mm        | PA295P | 1        | 4         |
| 40mm        | PA296P | 1        | 4         |

## Plastic Compression Swivel Elbow

- 90° Conversion bend.
- Made from white polypropylene.
- Incorporates a compression outlet.
- Accepts plastic and copper pipes.
- No solvent welding required.
- BS 5254, BS EN 1451-1:2001.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 32mm        | PA325P | 1        | 4         |
| 40mm        | PA326P | 1        | 4         |

## Plastic Compression Reducer

- Quick and easy to install.
- Made from white polypropylene.
- No solvent welding required.
- Suitable for domestic/professional use.
- Compression outlet accepts pipes to BS1455 and BS1451.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 40 x 32mm   | PA57P | 1        | 4         |

## Plastic Compression 45° Swept Bend

- Made from white polypropylene.
- Incorporates a compression outlet.
- No solvent welding required.
- BS 5254, BS EN 1451-1:200.
- Incorporates a compression outlet that accepts plastic/copper pipes.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 32mm        | PA293P | 1        | 4         |
| 40mm        | PA294P | 1        | 4         |

## Push Fit Socket Plug

- Pre-packed.
- Quick and easy to install.
- Made from white polypropylene.
- For capping off and terminating waste pipes.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 32mm        | PA298P | 1        | 5         |
| 40mm        | PA299P | 1        | 5         |

## Plastic Compression 90° Knuckle Bend

- Quick and easy to install.
- Made from white polypropylene.
- Incorporates a compression outlet.
- Accepts plastic and copper pipes.
- No solvent welding required.
- BS 5254, BS EN 1451-1:2000.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 32mm        | PA291P | 1        | 4         |
| 40mm        | PA292P | 1        | 4         |

## Pipe Clips

- Securely holds pipework and tubing neatly in place.
- BS EN1455-1:2000, BS5255.
- ABS solvent weld system.



| Description  | Code   | Pack Qty | Outer Qty |
|--------------|--------|----------|-----------|
| 32mm Plastic | PA246P | 4        | 5         |
| 40mm Plastic | PA247P | 4        | 5         |

### Push Fit Straight Connector

- Push fit connections.
- No solvent welding or tightening required.
- Universal compression fittings.
- Suit BS1451 and BS1455.
- Suitable for domestic and professional use.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 32mm        | PA387P | 1        | 5         |
| 40mm        | PA327P | 1        | 5         |

### Push Fit Swept Tee

- Push fit connections quick and easy to fit.
- Requires no solvent welding/tightening.
- Universal compression fittings.
- Suit BS1451 and BS1455.
- Suitable for domestic/professional use.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 40mm        | PA329P | 1        | 4         |

### Push Fit 45° Swept Bend

- Push fit connections.
- No solvent welding/tightening required.
- Universal compression fittings.
- Suit BS1451 and BS1455.
- Suitable for domestic/professional use.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 32mm        | PA388P | 1        | 4         |
| 40mm        | PA330P | 1        | 4         |

### Push Fit Reducer

- Connects 40mm waste systems to 32mm waste systems.
- Push fit connections.
- No solvent welding or tightening required.
- BS EN1451-1:2000, BS 5254, BS EN 12380.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 40 x 32mm   | PA59P | 1        | 5         |

### Push Fit 90° Swept Bend

- Push fit connections quick and easy to fit.
- Requires no solvent welding/tightening.
- Universal compression fittings.
- Suit BS1451 and BS1455.
- Suitable for domestic/professional use.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 32mm        | PA389P | 1        | 4         |
| 40mm        | PA331P | 1        | 4         |

### Swivel 'P' Trap

- Compression fit connections are quick and easy to fit.
- BS EN 274 polypropylene.



| Description    | Code   | Pack Qty | Outer Qty |
|----------------|--------|----------|-----------|
| 32 x 76mm Seal | PA234P | 1        | 3         |
| 40 x 76mm Seal | PA235P | 1        | 3         |

### Push Fit Knuckle Bend

- Push fit connections quick and easy to fit.
- Requires no solvent welding/tightening.
- Universal compression fittings.
- Suit BS1451 and BS1455.
- Suitable for domestic/professional use.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 32mm        | PA390P | 1        | 4         |
| 40mm        | PA328P | 1        | 4         |

### Swivel 'S' Trap

- BS EN 274 polypropylene.
- Compression for copper or plastic.



| Description    | Code   | Pack Qty | Outer Qty |
|----------------|--------|----------|-----------|
| 32 x 76mm Seal | PA236P | 1        | 3         |
| 40 x 76mm Seal | PA237P | 1        | 3         |

## Bottle Trap

- Quick and easy to fit.
- Requires no welding.
- Compression outlets accepts plastic/copper waste pipes.



| Description    | Code   | Pack Qty | Outer Qty |
|----------------|--------|----------|-----------|
| 32 x 76mm Seal | PA332P | 1        | 3         |
| 40 x 76mm Seal | PA333P | 1        | 3         |

## Multi Fit Tee with Hose Connector

- Fits plastic and copper waste pipes.
- Features additional hose connector to be used with appliance traps.
- Multi fit Tee.
- With hose connector.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
|             | PA442P | 1        | 3         |

## Shower Trap

- 70mm flange and removable grid.
- Chrome waste 50mm seal, 40mm outlet.
- Physical height only 90mm.
- 50mm (2") water seal trap.
- Flow rate of 36 l/min.
- Capable of sealing 40mm outlet.



| Description    | Code   | Pack Qty | Outer Qty |
|----------------|--------|----------|-----------|
| 50 x 40mm Seal | PA412P | 1        | 3         |

## Flexible Waste Pipe

- Universal flexi waste for 32/40mm.
- 32mm = 330mm up to 640mm.
- 40mm = 250mm up to 560mm.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 32/40mm     | PA443P | 1        | 3         |

## Shallow Bath Traps

- One piece trap for baths, showers and bidets.
- No cleaning eye 19mm seal 40mm.
- Requires no solvent welding.
- Suitable for domestic/professional use.
- Universal compression fittings suit BS1451 and BS1455.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 40 x 19mm   | PA414P | 1        | 3         |

## Waste Trap Hose Connector

- Waste trap appliance drain hose pipe straight connector with threaded nut.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Straight    | PA441P | 1        | 3         |

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# Washing Machine and Tumble Dryer Fittings

## Washing Machine Trap

- Polypropylene.
- Multi fit compression outlet suits all plastic/copper waste pipes.
- Standard pipe and two clips.
- BS EN 274.



| Description           | Code   | Boxed Qty |
|-----------------------|--------|-----------|
| 40 x 76mm with Uprand | PA255L | 1         |

## Single Appliance Trap

- Complete with integrated non-return valve.
- Protects appliances.
- 76mm seal depth.
- Compression fitting for copper/plastic waste pipes.
- BS EN 274 polypropylene.



| Description | Code   | Boxed Qty |
|-------------|--------|-----------|
| 40 x 76mm   | PA358L | 1         |

## Inlet Trap Washers

- Connects two water hoses to the machine.
- Controls the flow of both hot and cold water.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 32mm        | PA458P | 2        | 5         |
| 40mm        | PA459P | 2        | 5         |

## Appliance Stop Valves

- Chrome Plated.
- Supplied with red and blue valve arm.
- Valves suitable for hot and cold use.
- BS1254.



| Description              | Code   | Pack Qty | Outer Qty |
|--------------------------|--------|----------|-----------|
| Straight 15mm x 3/4" BSP | PA106P | 1        | 5         |
| Angle 15mm x 3/4" BSP    | PA107P | 1        | 5         |
| Tee 15mm x 3/4" BSP      | PA108P | 1        | 5         |

## Washing Machine Inlet Hose

- Universal cold fill inlet hose 3/4" BSP.
- For washing machines and dishwashers.
- Complete with two rubber washers.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 1.5m Blue   | PA110P | 1        | 3         |
| 1.5m Red    | PA111P | 1        | 3         |
| 2.5m Blue   | PA241P | 1        | 3         |
| 2.5m Red    | PA242P | 1        | 3         |

## Washing Machine Outlet Hose

- Grey.
- 3/4" BSP.
- Non-kink.
- With rubber washers.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 1.5m        | PA243P | 1        | 3         |
| 2.5m        | PA244P | 1        | 3         |

## Washing Machine Hose Connector

- Used for joining washing machine hoses together for extra length.



| Description           | Code  | Pack Qty | Outer Qty |
|-----------------------|-------|----------|-----------|
| 3/4" x 3/4" BSP Brass | PA16P | 1        | 5         |

## Washing Machine Inlet Hose Connector

- For joining two inlet hoses together.
- Fitting with 2 x 3/4" male threads.
- Ideal if appliances need to be moved.



| Description  | Code   | Pack Qty | Outer Qty |
|--------------|--------|----------|-----------|
| 3/4" Plastic | PA428P | 1        | 5         |

## Washing Machine Outlet Hose Connector

- Push fit for outlet hose.
- Used to join two lengths of washing machine outlet hoses.
- Secure with hose clips.



### Description

17mm M x M Plastic

| Code   | Pack Qty | Outer Qty |
|--------|----------|-----------|
| PA429P | 1        | 5         |

## Self Cutting Appliance Stop Valves

- Easy connection to 3/4" appliance hose.
- Operated by chrome screw down handle.



### Description

15mm x 3/4" CP

| Code  | Pack Qty | Outer Qty |
|-------|----------|-----------|
| PA05P | 1        | 3         |

## Washing Machine Inlet Y Piece

- 1 x female thread converting to/from.
- 2 x male threads.
- Useful if you only have a cold supply and need both hot and cold water supplies.
- Can be used for dishwashers and washing machines



### Description

3/4"

| Code   | Pack Qty | Outer Qty |
|--------|----------|-----------|
| PA427P | 1        | 5         |

## Self Cutting Waste Plumbing Kit

- Easy connection to plastic waste pipe.
- This waste kit is a self-cutting clamp tool for 32mm and 40mm pipe work.



### Description

| Code   | Pack Qty | Outer Qty |
|--------|----------|-----------|
| PA426P | 1        | 1         |

## Washing Machine Blanking Cap

- Used for blanking off hot or cold fill ports on washing machines.



### Description

3/4" Brass

| Code   | Pack Qty | Outer Qty |
|--------|----------|-----------|
| PA109P | 1        | 5         |

## Universal Tumble Dryer Kit

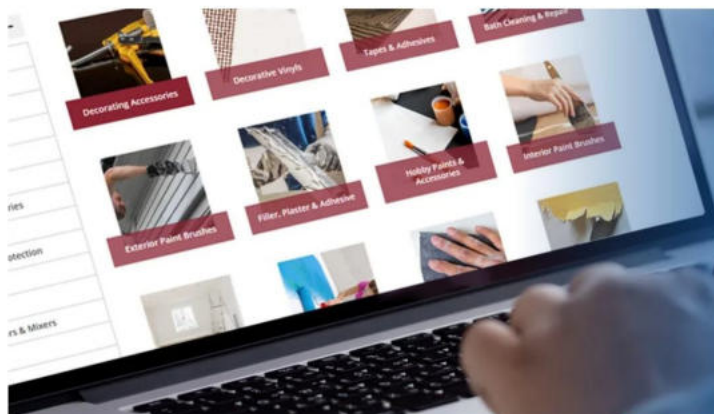
- Contains aluminium ducting, wall plate, self adhesive foam disk, tumble dryer mounting spigot, exterior gravity grille, connector, flexible ducting and fixing screws and plugs.



### Description

White

| Code   | Boxed Qty |
|--------|-----------|
| PA371L | 1         |



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# Toilet and Cistern Fittings

## Universal Inlet Valve

- Adjustable water inlet valve for versatile installation options.
- Switches between bottom feed and side feed configurations.
- Compatible with both 1/2" (15mm) and 3/8" (10mm) connections.
- Quick and simple adjustment.



**NEW**

| Description      | Code   | Pack Qty | Outer Qty |
|------------------|--------|----------|-----------|
| Adjustable Valve | PA391P | 1        | 1         |

## Dual Flush Valve Kit

- WRAS approved.
- Can be top, side, or front mounted for flexible installation.
- Fits 1 1/2" & 2" flush outlets.
- Overflow can be adjusted between 8 1/2" to 13 1/2".
- Features partial/full flush adjustments.



**NEW**

| Description                            | Code   | Pack Qty | Outer Qty |
|----------------------------------------|--------|----------|-----------|
| Button operated cable dual flush valve | PA392P | 1        | 1         |

## Brass Float Valve

- A float valve maintains the level in the cold water header tank which regulates the pressure of the hot water system.
- Part 1 high pressure.
- Part 2 high pressure.
- Complies with BS1212.



**NSP**

| Description       | Code  | Pack Qty | Outer Qty |
|-------------------|-------|----------|-----------|
| 1/2" Part 1 Brass | PA22P | 1        | 3         |
| 1/2" Part 2 Brass | PA25P | 1        | 3         |

## Adjustable Plastic Float Valve

- Cistern fitting.
- Traditional filling valve.
- Adjustable water level.
- Adjustable length float arm for a wide range of cisterns.
- Part 3 complies with BS1212.



**NSP**

| Description       | Code   | Pack Qty | Outer Qty |
|-------------------|--------|----------|-----------|
| 1/2" Side Entry   | PA24P  | 1        | 3         |
| 1/2" Bottom Entry | PA357P | 1        | 3         |

## 9" Dual Flush Syphon

- Variable flushing volumes and internal overflow.
- Compatible with most lever operated cisterns.
- WRAS Approved.



| Description        | Code   | Boxed Qty |
|--------------------|--------|-----------|
| Thread size 1 1/2" | PA147L | 1         |

## Plastic Ball Valve Floats

- Cylindrical.
- Plastic.
- BS 1212.



**NSL**

| Description                | Code  | Boxed Qty |
|----------------------------|-------|-----------|
| 115mm (4 1/2") Cylindrical | PA27L | 5         |
| 115mm (4 1/2") Circular    | PA28L | 5         |

## Kwik Fit Straight Pan Connector

- Polypropylene.
- Easy to fit.
- WC pan connector.
- Push fit ring seal system.
- BS EN1451-1:2000, BS5254, BS EN 12380.



| Description | Code   | Boxed Qty |
|-------------|--------|-----------|
|             | PA238L | 1         |

## Kwik Fit Offset 104° Pan Connector

- Polypropylene.
- Easy to fit.
- WC pan connector.
- Push fit ring seal system.
- BS EN1451-1:2000, BS5254, BS EN 12380.



| Description | Code   | Boxed Qty |
|-------------|--------|-----------|
| 104°        | PA239L | 1         |

### Kwik Fit Bend 90° Extension Pan Connector

- Polypropylene.
- WC pan connector.
- Easy to fit.
- Push fit ring seal system.
- BS EN1451-1:2000, BS5254, BS EN 12380.



| Description | Code   | Boxed Qty |
|-------------|--------|-----------|
| 90°         | PA240L | 1         |

### Kwik Fit Extension Pan Connector

- Polypropylene.
- WC pan connector.
- Easy to fit.
- Push fit ring seal system.
- BS EN1451-1:2000, BS5254, BS EN 12380.



| Description | Code   | Boxed Qty |
|-------------|--------|-----------|
|             | PA344L | 1         |

### Kwik Fit Offset Pan Connector

- Polypropylene.
- WC pan connector.
- Easy to fit.
- Push fit ring seal system.
- BS EN1451-1:2000, BS5254, BS EN 12380.



| Description | Code   | Boxed Qty |
|-------------|--------|-----------|
|             | PA345L | 1         |

### Flushpipe Cone Connector

- Internal flush pipe.
- Fits most low level W.C.
- Provides a water tight seal between toilet and flush pipe.



| NSP              |        |          |           |
|------------------|--------|----------|-----------|
| Description      | Code   | Pack Qty | Outer Qty |
| Plastic Internal | PA532P | 1        | 5         |
| Rubber Internal  | PA533P | 1        | 5         |

### 90° Flush Pipe

- PVC 90° flush pipe, used to connect with an exposed cistern which has a shifted toilet pan.
- Measurement refers to one side.



| Description         | Code   | Boxed Qty |
|---------------------|--------|-----------|
| 450mm (18") Plastic | PA133L | 1         |

### C' Link

- Connects the toilet flush handle and syphon together.



| NSP                   |       |          |           |
|-----------------------|-------|----------|-----------|
| Description           | Code  | Pack Qty | Outer Qty |
| Large Stainless Steel | PA58P | 1        | 5         |

### Cistern Handles

- For use with WC.
- Supplied with plastic lever arm and screw.



| NSP                 |        |          |           |
|---------------------|--------|----------|-----------|
| Description         | Code   | Pack Qty | Outer Qty |
| White Plastic       | PA418P | 1        | 5         |
| Chrome Plated Steel | PA60P  | 1        | 5         |

### Adjustable WC Lever Arm

- Connects the toilet flush handle to the 'C' link on the syphon.



| Description         | LOOSE |           | PACKED |          |           |
|---------------------|-------|-----------|--------|----------|-----------|
|                     | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| Complete With Screw | PA56L | 20        | PA56P  | 1        | 5         |

## Cistern Pull

- Galvanised chain with wooden handle.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 450mm       | PA124P | 1        | 5         |

## Toilet Cistern Coupling Kit

Set comprises:

- 1 x steel zinc plated plate
- 2 x carriage bolts M8 x 60
- 2 x steel washers M8 x 20
- 2 x rubber washers M8 x 20
- 2 x wing nuts M8
- 1 x black doughnut washer



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
|             | PA105P | 1        | 3         |

## Toilet Pan Fixing Kit

- Medium duty decorative fixing.
- Finish: white cap, zinc plated hex screw.
- Easy to fit for push through fixing.
- Zinc screw has slotted hex head.
- For use when fitting WC's.
- Decorative cap leaves an attractive easy to clean finish.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| M6 x 80mm   | PA525P | 1        | 5         |

## Sanitary Fixing Kit

- Medium duty decorative fixing.
- Finish: white cap, zinc plated screw stud.
- Easy to fit for push through fixing.
- Zinc screw has a hexagon nut and part flat shank allowing straight forward installation.
- For use when fitting sinks and basins.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| M8 x 100mm  | PA526P | 1        | 5         |

## Syphon Bolt Kit

- Connects toilet cistern to pan.

Set comprises:

- 2 x bolts
- 2 x conical washers
- 2 x washers
- 2 x wing nuts



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Long Set    | PA527P | 1        | 5         |

## Cistern Washers

- Replacement cistern washer.



NSL NSP

| Description       | LOOSE  |           | PACKED |          |           |
|-------------------|--------|-----------|--------|----------|-----------|
|                   | Code   | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 5/8" Black Rubber | PA162L | 100       | PA162P | 4        | 5         |

## Aquasave Washers

- Black rubber aquasave washers suitable for use with plastic ball valve arm.
- Suitable for use with plastic ball valve arm.



NSL NSP

| Description         | LOOSE  |           | PACKED |          |           |
|---------------------|--------|-----------|--------|----------|-----------|
|                     | Code   | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 1 1/4" Black Rubber | PA160L | 50        | PA160P | 1        | 5         |

## Brass Cotter Pin

- Suitable for ball valve arm linkage.
- Made from brass offering corrosion resistance.
- Holds nuts and other components in position.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 1 1/2"      | PA164P | 2        | 5         |

## Ball Valve Seats

- The ball valve seat is responsible for sealing the fluid inside.
- With Ball Valve Washer



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
|             | PA168P | 2        | 5         |

## Ball Valve Overhaul Kit

- Set comprises:
- 1 x cistern washer
  - 1 x cotter pin
  - 1 x ball valve washer
  - 1 x ball valve seat



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
|             | PA166P | 4        | 5         |

## Ball Valve Seat Washer

- Creates and seal to prevent leaks.
- Designed to conform to the shape of the seat, ensuring a tight fit when the valve is closed.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 1/2"        | PA08P | 2        | 5         |

## Toilet Seat Hinges

- Set comprises:
- 1 pair plastic hinges
  - 1 x WC rod
  - 2 x nylon screws
  - 2 x rubber pads
  - Fitting instructions



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Black       | PA185P | 1        | 5         |
| White       | PA186P | 1        | 5         |

## Bar Type Toilet Seat Hinges

- Set comprises:
- 1 pair hinges
  - 1 x WC rod
  - 2 x nylon screws
  - 2 x rubber pads
  - Fitting instructions



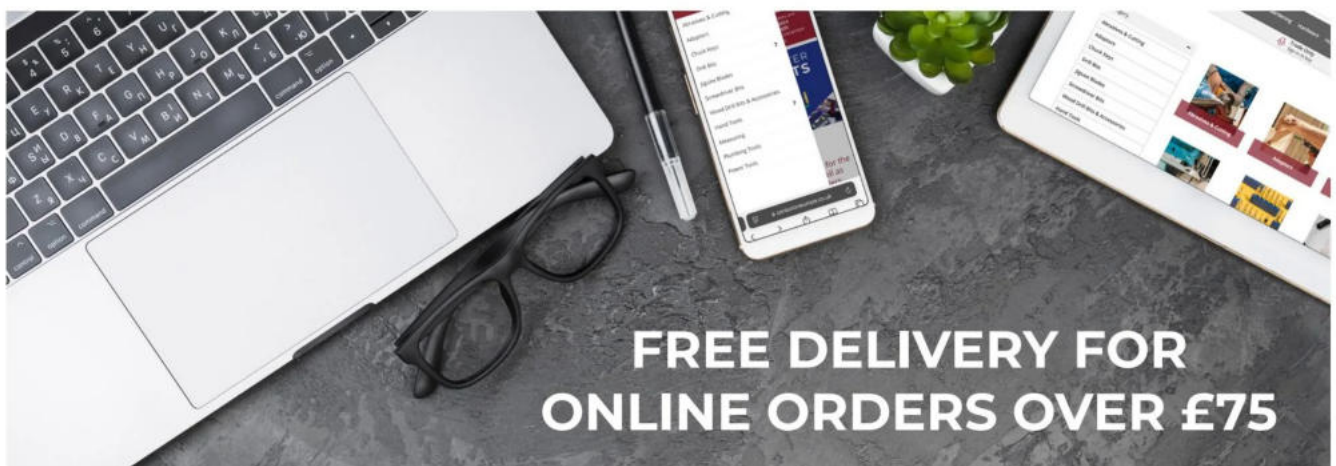
| Description     | Code  | Pack Qty | Outer Qty |
|-----------------|-------|----------|-----------|
| Polished Chrome | PA51P | 1        | 5         |

## Pillar Type Toilet Seat Hinges

- Heavy duty non-loosening toilet seat hinge.
- Fully adjustable to fit all standard pans.
- With non slip metal back nuts.



| Description     | Code  | Pack Qty | Outer Qty |
|-----------------|-------|----------|-----------|
| Polished Chrome | PA55P | 1        | 5         |



# Toilet and Bathroom Accessories



## MDF Toilet Seats

- With chrome hinges.
- Size: 45.72 x 36.83 x 5.5cm (18" x 14½" x 2½").



| Description        | Code   | Boxed Qty |
|--------------------|--------|-----------|
| White Moulded Wood | PA113L | 1         |
| Pine               | PA114L | 1         |
| Antique Pine       | PA115L | 1         |
| Mahogany           | PA116L | 1         |

## Plastic Toilet Seat

- With white plastic hinges.



| Description   | Code   | Boxed Qty |
|---------------|--------|-----------|
| White Plastic | PA112L | 1         |

## Diecast Toilet Roll Holder

- Complete with plastic cone.



| Description            | LOOSE |           | PACKED |          |           |
|------------------------|-------|-----------|--------|----------|-----------|
|                        | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| Die Cast Chrome Plated | MI06L | 1         | MI06P  | 1        | 5         |

## Toilet Roll Holder

- Made from aluminium.
- Supplied with plastic cone.



| Description         | LOOSE |           | PACKED |          |           |
|---------------------|-------|-----------|--------|----------|-----------|
|                     | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| Satin Silver Finish | MI14L | 5         | MI14P  | 1        | 5         |
| Satin Gold Finish   | MI15L | 5         | MI15P  | 1        | 5         |

## Spare Cones

- A replacement toilet roll holder cone.
- Made from plastic.
- Fits 95 - 135mm.



| Description | LOOSE |           | PACKED |          |           |
|-------------|-------|-----------|--------|----------|-----------|
|             | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| Black       | MI26L | 10        | MI26P  | 1        | 5         |
| White       | MI32L | 10        | MI32P  | 1        | 5         |

# Shower Accessories and Fittings

## Flexible Shower Hose

- Suitable for most electric or mixer showers.
- Universal ½" BSP connection standard bore.
- Stainless Steel.
- Length: 1.5m.



NSP

| Description           | Code  | Pack Qty | Outer Qty |
|-----------------------|-------|----------|-----------|
| 1.5m x ½" BSP Fitting | PA74P | 1        | 3         |

## Telescope Rail

- Quick and easy to install.
- Self supporting and no drilling required.
- Expands from 140cm to 260cm (4'6" to 8'6").



| Description     | Code   | Pack Qty | Outer Qty |
|-----------------|--------|----------|-----------|
| Extends to 2.6m | PA410P | 1        | 5         |

## Plastic Shower Curtain Rings

- Shower rings to keep shower curtains in position.



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 40mm White  | CW66P | 12       | 5         |

## Shower Curtain

- White.
- Water resistant fabric.
- Machine Washable.
- Cling resistant weighted hem.
- 12 x corrosion resistant heavy duty eyelets.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 1.8 x 1.8m  | PA408P | 1        | 5         |

## Complete Riser Rail

- Complete riser rail 610mm overall length by 25mm Dia and single locking height adjuster.
- White/Chrome.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 600 x 25mm  | PA338P | 1        | 5         |

## Universal Riser Slider Rail

- Adjustable slider for rail and shower head.



NSP

| Description    | Code   | Pack Qty | Outer Qty |
|----------------|--------|----------|-----------|
| White 18-25mm  | PA494P | 1        | 3         |
| Chrome 18-25mm | PA495P | 1        | 3         |

## Single Spray Shower Heads

- Simple design.
- Entry level shower head with single mode rub clean faceplate.
- Contains the Eco-Flow facility to enable water saving.



NSP

| Description       | Code   | Pack Qty | Outer Qty |
|-------------------|--------|----------|-----------|
| White 203 x 73mm  | PA334P | 1        | 3         |
| Chrome 203 x 73mm | PA335P | 1        | 3         |

## 3 Mode Spray Shower Heads

- Popular shower head with 3 mode rub clean faceplate.
- Eco-Flow facility to enable water saving.



NSP

| Description       | Code   | Pack Qty | Outer Qty |
|-------------------|--------|----------|-----------|
| White 223 x 83mm  | PA336P | 1        | 3         |
| Chrome 223 x 83mm | PA337P | 1        | 3         |

## Sink/Bath Push On Handset Hose

- Push on handset hose.
- Fits most standard basin and bath taps.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| White       | PA343P | 1        | 3         |

# Taps and Fittings

## Standard Tap Adaptor

- Fits basin or bath  $\frac{1}{2} \times \frac{3}{4}$ .
- Fits most BS5412/BS1010 taps.
- Chrome finish.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Chrome      | PA393P | 1        | 1         |

## Standard Chrome Tap Adaptor

- Universal tap conversion kit.
- Fits most BS1010 & BS5412 taps.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Chrome      | PA433P | 1        | 1         |

## Standard Replacement Tap Cartridge

- Replacement valve for  $\frac{1}{2}$ " tap.



| Description     | Code   | Pack Qty | Outer Qty |
|-----------------|--------|----------|-----------|
| $\frac{1}{2}$ " | PA434P | 1        | 3         |

## Replacement Tap Cartridge with Ceramic Disc

- Replacement tap cartridge to repair bathroom and kitchen taps.
- Hot/cold replacement valve.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Hot         | PA435P | 1        | 3         |
| Cold        | PA436P | 1        | 3         |

## Replacement Ceramic Short Cartridge

- Replacement tap cartridge to repair bathroom and kitchen taps.
- Hot/cold replacement valve.
- With ceramic disc.



| Description                   | Code   | Pack Qty | Outer Qty |
|-------------------------------|--------|----------|-----------|
| $\frac{3}{8} - \frac{1}{2}$ " | PA506P | 1        | 3         |

## Combined Waste and Overflow

- Chrome plated on plastic.



| Description               | Code  | Pack Qty | Outer Qty |
|---------------------------|-------|----------|-----------|
| $1\frac{1}{2}$ " BSP Sink | PA83P | 1        | 3         |
| $1\frac{1}{2}$ " BSP Bath | PA85P | 1        | 3         |

## Basin Waste Easy Seal Washer Kit

- Includes sealing cone, washer and retaining ring.
- No need for tape or sealant.



| Description              | Code   | Pack Qty | Outer Qty |
|--------------------------|--------|----------|-----------|
| $1\frac{1}{4}$ " 3pc Kit | PA528P | 1        | 5         |

## Pop Up Basin Waste Plug

- Chrome plated brass top.
- No need for a chain.
- Plug pops up and down on every touch.



| Description      | Code   | Pack Qty | Outer Qty |
|------------------|--------|----------|-----------|
| $1\frac{1}{2}$ " | PA529P | 1        | 5         |

## Chromed Plastic Tap Hole Stopper

- Ideal for blocking up unused tap holes.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Chromed ABS | PA531P | 1        | 5         |

## Tap Washers

- Ideal for replacing worn washers.
- Used to create a water tight seal when tap is closed to stop water.



NSL NSP

| Description | LOOSE  |           | PACKED |          |           |
|-------------|--------|-----------|--------|----------|-----------|
|             | Code   | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 3/8"        | PA169L | 100       | PA169P | 4        | 5         |
| 1/2"        | PA170L | 100       | PA170P | 4        | 5         |
| 3/4"        | PA171L | 100       | PA171P | 4        | 5         |

## Assorted Tap Washers

- Ideal for replacing worn washers for many plumbing applications.
- Used to create a water tight seal when the tap is closed to stop water flow.
- Contents: 1 x 10mm - 2 x 13mm - 1 x 19mm.



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| Assorted    | PA29P | 4        | 5         |

## Delta Tap Washers

- All plastic construction.
- Ideal for replacing worn washers for many plumbing applications.
- Used to create a water tight seal when the tap is closed to stop water flow.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 1/2"        | PA283P | 4        | 5         |
| 3/4"        | PA284P | 4        | 5         |

## Fibre Washers

- Ideal for replacing worn washers for many plumbing applications.
- Used to create a water tight seal when the tap is closed to stop water flow.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 1/2"        | PA140P | 4        | 5         |
| 3/4"        | PA141P | 4        | 5         |

## Assorted Fibre Washers

- Prevents a leak.
- Absorbs liquid when in contact.
- Swells slightly to fill in the gap or joint.
- Contents: 2 x 1/2" / 2 x 3/4".



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| Assorted    | PA33P | 4        | 5         |

## Flexible Connector Washer

- Connects up to hot and cold water feeds on bathroom or kitchen taps.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 1/2"        | PA496P | 4        | 5         |
| 3/4"        | PA497P | 4        | 5         |

## Rubber Hose Washers

- Ideal for replacing worn washers.
- Fits hot/cold feeds for showers/washing machine hoses.
- Give a water tight seal.



NSP

| Description          | Code   | Pack Qty | Outer Qty |
|----------------------|--------|----------|-----------|
| 1/2" Shower          | PA174P | 4        | 5         |
| 3/4" Washing Machine | PA175P | 4        | 5         |

## All Stop Tap Washers

- All plastic construction.
- Ideal for replacing worn washers.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 3/4"        | PA49P | 1        | 5         |

## Top Hat Washers

- Used to isolate bolts from metals to prevent corrosion.



| Description           | Code   | Pack Qty | Outer Qty |
|-----------------------|--------|----------|-----------|
| 1/2" - 3/4" Universal | PA465P | 2        | 5         |

## Pillar Tap Washers

- Provides a watertight seal around pipes, taps and other bathroom or toilet products.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 1/2"        | PA500P | 4        | 5         |
| 3/4"        | PA501P | 4        | 5         |

## Pillar Tap Tank Washer

- Provides a watertight seal around pipes, taps and other bathroom or toilet products.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 1"          | PA502P | 2        | 5         |

## O Ring Assortment A

- Prevents leakage and maintains pressure.
- Ideal for maintenance, engineers for a quick and reliable seal.
- Contains: 1 x 012, 1 x 018, 1 x 110, 1 x 113, 1 x 118.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
|             | PA431P | 5        | 5         |

## O Ring Assortment B

- Prevents leakage and maintains pressure.
- Ideal for maintenance, engineers for a quick and reliable seal.
- Contains: 1 x 119, 1 x 210, 1 x 212mm, 1 x 213, 1 x 216.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Assorted    | PA432P | 5        | 5         |

## O Ring Assorted Basin Bath Plugs

- Prevents leakage and maintains pressure.
- Ideal for maintenance, engineers for a quick and reliable seal.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Assorted    | PA462P | 5        | 5         |

## Sink Strainer

- Used to prevent the passage of solid debris or large particle of food, hair etc from going down into the water drain system.



| Description            | Code   | Pack Qty | Outer Qty |
|------------------------|--------|----------|-----------|
| <b>White Plastic</b>   |        |          |           |
| 1 1/2"                 | PA271P | 1        | 5         |
| 1 3/4"                 | PA288P | 1        | 5         |
| <b>Chromed Plastic</b> |        |          |           |
| 1 1/2"                 | PA256P | 1        | 5         |
| 1 3/4"                 | PA287P | 1        | 5         |

## Shower Waste Strainer

- Used to prevent the passage of large debris and hair going down into the water drain system.



| Description          | Code  | Pack Qty | Outer Qty |
|----------------------|-------|----------|-----------|
| 80mm White Plastic   | PA87P | 1        | 5         |
| 80mm Chromed Plastic | PA88P | 1        | 5         |

## Plastic Sink Plugs

- Plastic sink and bath plug.
- Use in conjunction with sink, basin or bath chain.

NSL NSP



| Description  | LOOSE |           | PACKED |          |           |
|--------------|-------|-----------|--------|----------|-----------|
|              | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| <b>Black</b> |       |           |        |          |           |
| 1½"          | PA64L | 50        | PA64P  | 1        | 5         |
| 1¾"          | PA65L | 50        | PA65P  | 1        | 5         |
| <b>White</b> |       |           |        |          |           |
| 1½"          | PA68L | 50        | PA68P  | 1        | 5         |
| 1¾"          | PA69L | 50        | PA69P  | 1        | 5         |

## Brass Sink Plugs

- Use in conjunction with sink, basin or bath chain.
- Triangle supplied, but not assembled to plug.

NSP



| Description           | Code  | Pack Qty | Outer Qty |
|-----------------------|-------|----------|-----------|
| <b>Polished Brass</b> |       |          |           |
| 1½"                   | PA15P | 1        | 5         |
| 1¾"                   | PA17P | 1        | 5         |
| <b>Chrome Plated</b>  |       |          |           |
| 1½"                   | PA09P | 1        | 5         |
| 1¾"                   | PA11P | 1        | 5         |

## Chrome Plated Basin Plug and Chain

- Use with basins that have a overflow.

NEW NSP



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 1½"         | PA30P | 1        | 5         |
| 1¾"         | PA23P | 1        | 5         |

## Universal Sink Plug

- Covers 37mm - 50mm (1½" - 2") plug holes.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| White PVC   | PA257P | 1        | 5         |

## Sink / Basin Ball Chains

- An ideal replacement for broken bath plug chains.



NSP

| Description           | Code   | Pack Qty | Outer Qty |
|-----------------------|--------|----------|-----------|
| <b>Polished Brass</b> |        |          |           |
| 300mm Chain & Hooks   | PA353P | 1        | 5         |
| 450mm Chain & Hooks   | PA354P | 1        | 5         |
| 300mm Chain & Stay    | PA355P | 1        | 5         |
| <b>Chrome Plated</b>  |        |          |           |
| 300mm Chain & Hooks   | PA350P | 1        | 5         |
| 450mm Chain & Hooks   | PA351P | 1        | 5         |
| 300mm Chain & Stay    | PA352P | 1        | 5         |

# Gas Cooker Fittings

## Gas Cooker Hose

- Conforms to BS669.
- Not suitable for use with LPG.
- Bayonet Type



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 1.2m (4")   | PA125P | 1        | 3         |

## Bayonet Socket - Angled

- Suitable for natural gas or LPG.
- Automatic gas cut off when bayonet socket is removed.
- Female Bayonet.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| ½" BSP      | PA127P | 1        | 3         |

## Micropoint Angled Cooker Hose

- Manufactured to BS669-1.
- BSP taper male.
- British Gas Approved.



| Description    | Code   | Pack Qty | Outer Qty |
|----------------|--------|----------|-----------|
| 1.1m NG (3'6") | PA117P | 1        | 3         |



# Ventilation, Grilles and Outlets

## Hit and Miss Vents with Flyscreen

- Suitable for use in most areas, including larders, cupboards and wardrobes.
- White plastic with integrated flyscreen.
- Flush fit.
- Not suitable for venting gas appliances.



NSP



| Description           | Free Air Space      | Code  | Pack Qty | Outer Qty |
|-----------------------|---------------------|-------|----------|-----------|
| 229 x 76mm (9" x 3")  | 2240mm <sup>2</sup> | VE01P | 1        | 5         |
| 229 x 152mm (9" x 6") | 4680mm <sup>2</sup> | VE02P | 1        | 5         |
| 229 x 229mm (9" x 9") | 6350mm <sup>2</sup> | VE06P | 1        | 5         |

## Louvred Vents with flyscreen

- Connect to extractor fans and other systems.
- Allows air to enter/exit a room.
- Suitable for internal applications.



NSP



| Description           | Free Air Space      | Code  | Pack Qty | Outer Qty |
|-----------------------|---------------------|-------|----------|-----------|
| 229 x 76mm (9" x 3")  | 875mm <sup>2</sup>  | VE04P | 1        | 5         |
| 229 x 152mm (9" x 6") | 2240mm <sup>2</sup> | VE05P | 1        | 5         |
| 229 x 229mm (9" x 9") | 4680mm <sup>2</sup> | VE07P | 1        | 5         |

## Hit and Miss Vents

- Connect to extractor fans and other systems.
- Allows air to enter/exit a room.
- Internal or external use.



NSP



| Description           | Free Air Space       | Code  | Pack Qty | Outer Qty |
|-----------------------|----------------------|-------|----------|-----------|
| <b>Gold Aluminium</b> |                      |       |          |           |
| 229 x 76mm (9" x 3")  | 3575mm <sup>2</sup>  | VE12P | 1        | 5         |
| 229 x 152mm (9" x 6") | 8500mm <sup>2</sup>  | VE13P | 1        | 5         |
| <b>Aluminium</b>      |                      |       |          |           |
| 229 x 76mm (9" x 3")  | 3575mm <sup>2</sup>  | VE08P | 1        | 5         |
| 229 x 152mm (9" x 6") | 8500mm <sup>2</sup>  | VE09P | 1        | 5         |
| 229 x 229mm (9" x 9") | 12800mm <sup>2</sup> | VE40P | 1        | 5         |

## Louvred Vents

- Connect to extractor fans and other systems.
- Allows air to enter/exit a room.
- Suitable for internal applications.



NEW NSP



| Description                                         | Free Air Space       | Code  | Pack Qty | Outer Qty |
|-----------------------------------------------------|----------------------|-------|----------|-----------|
| <b>Gold Effect Aluminium</b>                        |                      |       |          |           |
| 229 x 76mm (9" x 3")                                | 3400mm <sup>2</sup>  | VE15P | 1        | 5         |
| 229 x 152mm (9" x 6")                               | 6800mm <sup>2</sup>  | VE16P | 1        | 5         |
| 229 x 229mm (9" x 9")                               | 10200mm <sup>2</sup> | VE27P | 1        | 5         |
| <b>Aluminium (mill finish - ideal for painting)</b> |                      |       |          |           |
| 229 x 76mm (9" x 3")                                | 3400mm <sup>2</sup>  | VE10P | 1        | 5         |
| 229 x 152mm (9" x 6")                               | 6800mm <sup>2</sup>  | VE11P | 1        | 5         |
| 229 x 229mm (9" x 9")                               | 10200mm <sup>2</sup> | VE33P | 1        | 5         |
| <b>Satin Aluminium</b>                              |                      |       |          |           |
| 229 x 76mm (9" x 3")                                | 3400mm <sup>2</sup>  | VE34P | 1        | 5         |
| 229 x 152mm (9" x 6")                               | 6800mm <sup>2</sup>  | VE35P | 1        | 5         |
| 229 x 229mm (9" x 9")                               | 10200mm <sup>2</sup> | VE36P | 1        | 5         |
| <b>Anthracite</b>                                   |                      |       |          |           |
| 229 x 76mm (9" x 3")                                | 3400mm <sup>2</sup>  | VE41P | 1        | 5         |
| 229 x 152mm (9" x 6")                               | 6800mm <sup>2</sup>  | VE42P | 1        | 5         |
| 229 x 229mm (9" x 9")                               | 10200mm <sup>2</sup> | VE43P | 1        | 5         |

# Icon Key



**Adjustable**  
The manually adjusted slats give the user full control of the ventilation required.



**Brick Aperture**  
The size of the vent is designed to cover a typical single, double or triple brick aperture.



**Flyscreen**  
Includes flyscreen to keep out unwanted flies and insects.



**Air Flow**  
Free air space when fully open.



**Interior / Exterior**  
Can be used for either interior or exterior applications.



**Venting Gas Appliances**  
Suitable for fresh air ventilation and warm air systems.

## Circular Louvered Vent with removable Flyscreen

- 135mm Diameter circular louvered vents (total diameter 165mm).
- Designed for pipe apertures 80 - 152mm.
- Suitable for use with open flued gas appliances when fitted without flyscreen.
- Flyscreen protects from bugs, dust and allergens when fitted.
- Fixings supplied.

\* Air space with flyscreen removed is 10000mm<sup>2</sup>



**NEW** **NSP**

| Description | Free Air Space        | Code  | Pack Qty | Outer Qty |
|-------------|-----------------------|-------|----------|-----------|
| White       | 6500mm <sup>2</sup> * | VE53P | 1        | 5         |
| Black       | 6500mm <sup>2</sup> * | VE54P | 1        | 5         |
| Brown       | 6500mm <sup>2</sup> * | VE55P | 1        | 5         |



## Cowled Wall Outlets

- Designed for exhaust air only.
- 100mm Male Spigot fitting.
- Meets UL94HB flammability standard.
- Overall Size: 155mm x 155mm.



**NEW** **NSP**

| Description      | Free Air Space      | Code   | Pack Qty | Outer Qty |
|------------------|---------------------|--------|----------|-----------|
| 100mm (4") White | 7200mm <sup>2</sup> | PA360P | 1        | 5         |
| 100mm (4") Brown | 7200mm <sup>2</sup> | PA361P | 1        | 5         |



## Louvered Grille with Flyscreen

- 100mm Male Spigot.
- Integrated flyscreen.
- Overall Size: 155 x 155mm.
- Suitable for windows, doors and ceilings vents.
- Meets UL94HB flammability standard.



**NEW** **NSP**

| Description           | Free Air Space      | Code   | Pack Qty | Outer Qty |
|-----------------------|---------------------|--------|----------|-----------|
| 100mm (4") White      | 3809mm <sup>2</sup> | PA264P | 1        | 5         |
| 100mm (4") Terracotta | 3809mm <sup>2</sup> | PA265P | 1        | 5         |
| 100mm (4") Black      | 3809mm <sup>2</sup> | PA267P | 1        | 5         |
| 100mm (4") Grey       | 3809mm <sup>2</sup> | PA268P | 1        | 5         |



## Soffit Vents

- The round shape allows for a streamlined appearance and can sometimes be less obtrusive than square or rectangular vents.
- For openings of 70mm diameter.
- Easy push fit - no fixings required.
- Increase roof ventilation to prevent condensation and associated problems.



**NEW** **NSP**

| Description        | Free Air Space      | Code  | Pack Qty | Outer Qty |
|--------------------|---------------------|-------|----------|-----------|
| 70mm (2.75") White | 2000mm <sup>2</sup> | VE51P | 4        | 5         |
| 70mm (2.75") Brown | 2000mm <sup>2</sup> | VE52P | 4        | 5         |



## Gravity Flap Wall Outlet

- 100mm Male spigot.
- Overall size: 155mm x 155mm.
- Meets UL94HB flammability standard.



**NSP**

| Description           | Free Air Space      | Code   | Pack Qty | Outer Qty |
|-----------------------|---------------------|--------|----------|-----------|
| 100mm (4") White      | 7200mm <sup>2</sup> | PA262P | 1        | 5         |
| 100mm (4") Terracotta | 7200mm <sup>2</sup> | PA263P | 1        | 5         |



## Ceiling Diffuser

- Connects 10 100mm diameter pipework.
- Strong ASB plastic.
- For extracting air.



**NEW** **NSP**

| Description      | Free Air Space      | Code  | Pack Qty | Outer Qty |
|------------------|---------------------|-------|----------|-----------|
| 100mm (4") White | 2400mm <sup>2</sup> | VE50P | 1        | 5         |



## Axial Wall Fans

- Single-Speed
- Noise Level 41dBA at 3m
- Wall-Mounted
- Adjustable Overrun Timer: Max. 20min\*
- Extraction Rate 85m<sup>2</sup>/hr.



**NEW**

| Description         | Code  | Pack Qty | Outer Qty |
|---------------------|-------|----------|-----------|
| 100mm (4") Standard | VE60P | 1        | 5         |
| 100mm (4") Timer*   | VE61P | 1        | 5         |

## Round Wall Plate

- Keeps Installation Tidy
- Durable and high quality
- W x D x Lg: 154 x 2 x 154mm
- Channel Width: 100mm



**NEW**

| Description      | Code  | Pack Qty | Outer Qty |
|------------------|-------|----------|-----------|
| 100mm (4") White | VE72P | 1        | 5         |

## Flat Channel Ducting

- Flat shape allows for installation in tight spaces.
- Manufactured from UPVC.
- The flat channel design maintains airflow while taking up less vertical space.



| Description       | Code   | Boxed Qty |
|-------------------|--------|-----------|
| 110mm x 54mm x 1m | PA372L | 5         |

## Flat Channel Clips

- Holds flat/rectangular ducting sections securely in place.
- Prevent movement or sagging of the ducting.
- Manufactured from white polystyrene.
- Pre-determined screw fixing positions.
- Manufactured in compliance with Domestic Plastic Ductwork Specification DW/1554.
- Meets UL94HB flammability standard.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 100mm       | PA362P | 1        | 5         |

## Flat Channel Connector

- Use to connect two pieces of rectangular pipe together in a straight run.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 100mm       | PA363P | 1        | 5         |

## 90° Elbow

- To connect flat channel ducting.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 100mm       | PA364P | 1        | 5         |

## Flat Channel 90° Bend

- 90° rectangular horizontal bend with female fittings.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 100mm       | PA365P | 1        | 5         |

## Flat Channel 90° Vertical Bend

- 90° Rectangular vertical bend with female fittings.
- For joining flat channel ducting.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 100mm       | PA366P | 1        | 5         |

## Flat Channel to 100mm Round

- Round to rectangular adaptor.
- For connecting flat channel ducting to round hose.



| Description  | Code   | Pack Qty | Outer Qty |
|--------------|--------|----------|-----------|
| 100mm Female | PA367P | 1        | 5         |
| 100mm Male   | PA368P | 1        | 5         |

## Rigid Pipe

- PVC.
- Suitable for commercial and domestic use.



| Description | Code   | Boxed Qty |
|-------------|--------|-----------|
| 100 x 350mm | PA369L | 5         |

## Tumble Dryer Hose

- 100mm (4") Round.
- White polyester coated aluminium hose.
- Max/min temp 70°C / -15°C.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 1m          | PA266P | 1        | 5         |
| 3m          | PA281P | 1        | 5         |

## Threaded Connector

- Attaches tumble dryer hose to the vent duct on the back of the tumble dryer.
- Use in conjunction with tumble dryer hose.



| Description           | LOOSE  |           | PACKED |          |           |
|-----------------------|--------|-----------|--------|----------|-----------|
|                       | Code   | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 100mm (4") Outer Dia. | PA269L | 5         | PA269P | 1        | 5         |

## Steel Hose Clip

- Zinc Plated.
- Steel hose clip designed for many and various industrial and domestic applications.
- Max/min temp 120°C / -20°C.



| Description        | LOOSE  |           | PACKED |          |           |
|--------------------|--------|-----------|--------|----------|-----------|
|                    | Code   | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 100mm (4") Dia. ZP | PA270L | 5         | PA270P | 1        | 5         |

Centurion vents offer both style and functionality. Designed for easy installation, they seamlessly blend into any building decor without requiring specialised tools or expertise.

Crafted from durable materials, these vents enhance airflow and contribute to energy efficiency, helping to lower costs and maintain a comfortable environment.

Centurion vents come retail-ready, packed for convenience and ease of display. The packaging is modern and highlights the product's key features, making it straight forward for customers to assess and choose the right option.



CENTURION

# VENTS

## 1 metre Vents Range

*This recommended  
profile consisting of 23  
best selling lines from  
our vents range.*

ASK US  
ABOUT A  
FREE BRANDED HEADER  
WHEN ORDERING THIS RANGE.

SCAN HERE FOR OUR NEW  
VENTS PRODUCT GUIDE



Contact us for further information 01302 788700 or [sales@centurioneurope.co.uk](mailto:sales@centurioneurope.co.uk)

# Drain Grid Covers

## Grid Cover

- Prevents leaf and debris blockages by covering outside drains.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
|             | 20340 | 1        | 5         |

## Gulley Grids

- Black polypropylene design.
- Allows section to be neatly cut out to allow for downpipe.



NSP

| Description                  | Code   | Pack Qty | Outer Qty |
|------------------------------|--------|----------|-----------|
| 150 x 150mm (6" x 6") Square | PA203P | 1        | 5         |
| 150mm dia (6"dia) Circular   | PA201P | 1        | 5         |

# Plumbing Accessories

## Tin Lead Solder Wire

- Not for use on drinking water pipes.

NSP



| Description       | LOOSE |           | PACKED |          |           |
|-------------------|-------|-----------|--------|----------|-----------|
|                   | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 500g Spool        | PA31L | 1         |        |          |           |
| 300mm (12") Strip |       |           | PA32P  | 1        | 5         |

## Telux Flux

- General purpose flux for copper pipe work, brass, mild steel and other metals.
- Not for use on aluminium or stainless steel.



| Description | LOOSE |           | PACKED |          |           |
|-------------|-------|-----------|--------|----------|-----------|
|             | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 50g Tin     | PA40L | 10        | PA40P  | 1        | 5         |

## P.T.F.E Tape

- All purpose P.T.F.E thread sealing tape.

NSL NSP



| Description       | LOOSE |           | PACKED |          |           |
|-------------------|-------|-----------|--------|----------|-----------|
|                   | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 12mm (1/2") x 12m | TA48L | 10        | TA48P  | 1        | 5         |

## Jointing Paste

- General purpose jointing compound.



| Description | Code  | Boxed Qty |
|-------------|-------|-----------|
| 200g Tin    | PA37L | 5         |

## Gas PTFE Tape

- For BS21 threads up to 2".
- Air and watertight seal.
- Seals pipes, conduits, bolts, valves and threaded gas.

NSL NSP



| Description | LOOSE |           | PACKED |          |           |
|-------------|-------|-----------|--------|----------|-----------|
|             | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 12mm x 5m   | TA49L | 10        | TA49P  | 1        | 5         |





Icon **KEY**

**NEW** New products within the range

**NSL** Loose Products only supplied in box quantities

# Electrical

|                                             |         |
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Here at Centurion we recognise that our customers have different needs dependent on their customers and this is the reason we offer a wider range of supplies outside of our traditional Hardware & Ironmongery.

Our Powerlines range of electrical supplies covers essential items such as cables and cable management, lighting, lamps and phone accessories for any home or building.

Powerlines SMART range

As more and more products move towards 'SMART' technology, we have added a selection of smart operated products to our Powerlines range.



**Packed Products only**  
supplied in outer quantities



**New sizes added to**  
existing product ranges

# Fuses, Tapes and Clips

## Fuses

- Domestic mains fuses.
- Ideal for use in plugs.
- Corrosion-resistant.
- Coloured label for easy identification.
- Conforms to BS132/ASTA approved.



| Description | LOOSE |           | PACKED |          |           |
|-------------|-------|-----------|--------|----------|-----------|
|             | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 3 Amp       | EA11L | 50        | EA68P  | 3        | 5         |
| 5 Amp       | EA12L | 50        | EA69P  | 3        | 5         |
| 13 Amp      | EA13L | 50        | EA70P  | 3        | 5         |
| Assorted    |       |           | EA71P  | 3        | 5         |

## Starter Fuses

- Fluorescent starter switch.
- For use in single lamps.



| Description    | LOOSE |           | PACKED |          |           |
|----------------|-------|-----------|--------|----------|-----------|
|                | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 4-65W - 80W    | EA15L | 25        | EA73P  | 1        | 5         |
| FSU 100 - 125W | EA16L | 25        | EA74P  | 1        | 5         |

## Fuse Wire

- Length: 5 1750mm, 15 700mm and 30 500mm.
- 240 Volt AC.
- Tinned copper wire.
- Ideal: semi enclosed fuses.



| Description            | LOOSE |           | PACKED |          |           |
|------------------------|-------|-----------|--------|----------|-----------|
|                        | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 5, 15 & 30 Amp on Card | EA17L | 20        | EA72P  | 1        | 5         |

## Consumer Fuses

- Ideal for lighting and heating circuits.
- BS1361.



| Description | LOOSE |          | PACKED |          |           |
|-------------|-------|----------|--------|----------|-----------|
|             | Code  | Pack Qty | Code   | Pack Qty | Outer Qty |
| 5 Amp       | EA78P | 2        | EA79P  | 2        | 5         |
| 15 Amp      | EA80P | 2        | EA81P  | 2        | 5         |
| 20 Amp      | EA82P | 1        |        |          |           |
| 30 Amp      |       |          |        |          |           |
| 45 Amp      |       |          |        |          |           |

## Meter Box Key

- For UK gas and electric meter boxes.
- Key hole to hang on keychain or keys.



| Description    | LOOSE |           | PACKED |          |           |
|----------------|-------|-----------|--------|----------|-----------|
|                | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| Polished Brass | EA08L | 20        | EA08P  | 1        | 5         |

## Meter Box Key

- For UK gas and electric meter boxes.
- Key hole to hang on keychain or keys.



| Description | LOOSE |           | PACKED |          |           |
|-------------|-------|-----------|--------|----------|-----------|
|             | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| Zinc        | EA03L | 20        | EA03P  | 1        | 5         |

## Meter Box Key

- For UK gas and electric meter boxes.
- Manufactured from durable plastic.
- Hole for attaching to keyrings.



| Description | LOOSE |           | PACKED |          |           |
|-------------|-------|-----------|--------|----------|-----------|
|             | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| Plastic     | EA87L | 20        | EA87P  | 1        | 5         |

## Crocodile Clips

- For temporary electronic connections.
- Spring-loaded metal clip.
- Jaw opening of 15mm.



| Description | LOOSE |           | PACKED |          |           |
|-------------|-------|-----------|--------|----------|-----------|
|             | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 5 Amp       | EA24L | 50        | EA24P  | 2        | 10        |
| 25 Amp      | EA25L | 20        | EA25P  | 1        | 10        |

## Cable Clips

- Neatly secures and holds cables in place.
- T+E is twin and earth cable.



**NSL** **NSP**

| Description      | LOOSE |           | PACKED |          |           | TRADE PACK |          |           |
|------------------|-------|-----------|--------|----------|-----------|------------|----------|-----------|
|                  | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty | Code       | Pack Qty | Outer Qty |
| <b>White</b>     |       |           |        |          |           |            |          |           |
| 3.5mm            | CC01L | 100       | CC01P  | 18       | 5         | 78276      | 100      | 5         |
| 4mm              | CC02L | 100       | CC02P  | 18       | 5         | 78277      | 100      | 5         |
| 5mm              | CC15L | 100       | CC15P  | 17       | 5         | -          | -        | -         |
| 6mm              | CC03L | 100       | CC03P  | 16       | 5         | 78278      | 100      | 5         |
| 7mm              | CC04L | 100       | CC04P  | 14       | 5         | 78279      | 80       | 5         |
| 8mm              | CC05L | 100       | CC05P  | 14       | 5         | 78280      | 80       | 5         |
| <b>White T+E</b> |       |           |        |          |           |            |          |           |
| 1.00/1.5mm       | CC07L | 100       | CC07P  | 14       | 5         | 78282      | 60       | 5         |
| 2.5mm            | CC08L | 100       | CC08P  | 12       | 5         | 78283      | 40       | 5         |
| Bellwire T+E     | CC06L | 100       | CC06P  | 14       | 5         | 78281      | 80       | 5         |
| <b>Grey</b>      |       |           |        |          |           |            |          |           |
| 1.00/1.5mm       | CC10L | 100       | CC10P  | 14       | 5         | 78285      | 60       | 5         |
| 2.5mm            | CC11L | 100       | CC11P  | 12       | 5         | 78286      | 40       | 5         |
| 6mm              | CC12L | 100       | CC12P  | 10       | 5         | 78287      | 40       | 5         |
| <b>Brown</b>     |       |           |        |          |           |            |          |           |
| 7mm              | CC13L | 100       | CC13P  | 12       | 5         | 78288      | 80       | 5         |
| <b>Black</b>     |       |           |        |          |           |            |          |           |
| 5mm              | CC17L | 100       | CC17P  | 17       | 5         | -          | -        | -         |
| 7mm              | CC14L | 100       | CC14P  | 12       | 5         | 78289      | 80       | 5         |

## Connectors and Junction Boxes

### Scotchlok Connectors

- Ideal to tap into another wire without interrupting service.
- Insulated with polypropylene and tin plated for excellent conductivity
- Holds 1.1mm to 2.6mm cable.



**NSL** **NSP**

| Description | LOOSE |           | PACKED |          |           |
|-------------|-------|-----------|--------|----------|-----------|
|             | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 6.0 - 600V  | EA38L | 100       | EA38P  | 10       | 5         |

### Insulated Terminal Rings

- Copper conductor.
- Crimp design with internal copper sleeve.
- Ideal for connecting a cable or wire to a stud or post on an electrical component.
- Available in red and blue.



**NSP**

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| <b>Red</b>  |       |          |           |
| 5mm         | EA29P | 10       | 5         |
| 6mm         | EA30P | 10       | 5         |
| 8mm         | EA31P | 10       | 5         |
| <b>Blue</b> |       |          |           |
| 6mm         | EA53P | 10       | 5         |
| 8mm         | EA54P | 10       | 5         |

## Female Insulated Push-On

- Brass conductor.
- Ideal terminal to provide a secure link with electrical components.
- Use with male insulated push ons EA39/57P.



**NSP**

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| <b>Red</b>  |       |          |           |
| 4.8mm       | EA34P | 10       | 5         |
| 6.3mm       | EA35P | 10       | 5         |
| <b>Blue</b> |       |          |           |
| 6.3mm       | EA56P | 10       | 5         |

## Insulated Push-On

- Tin plated.
- Funnelled insulation allows easy wire insertion.
- Quick and easy connection/disconnection.
- Protects against electrical shock.
- Resistant to corrosion.



**NSP**

| Description   | Code  | Pack Qty | Outer Qty |
|---------------|-------|----------|-----------|
| <b>Female</b> |       |          |           |
| Red 6.3mm     | EA33P | 10       | 5         |
| Blue 6.3mm    | EA55P | 10       | 5         |
| <b>Male</b>   |       |          |           |
| Red 6.3mm     | EA39P | 10       | 5         |
| Blue 6.3mm    | EA57P | 10       | 5         |

## Insulated Male Bullets

- Tin plated.
- Used to terminate stranded or solid wires without needing to solder.



**NSP**

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| <b>Red</b>  |       |          |           |
| 4mm         | EA36P | 10       | 5         |
| <b>Blue</b> |       |          |           |
| 4mm         | EA58P | 10       | 5         |

## Female Insulated Sockets

- Suits a male bullet.
- Vibration resistant due to extra copper ring within the socket.



**NSP**

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| <b>Red</b>  |       |          |           |
| 26mm x 4mm  | EA37P | 10       | 5         |
| <b>Blue</b> |       |          |           |
| 26mm x 4mm  | EA59P | 10       | 5         |

## Terminal Blocks

- Used to secure and or terminate wires.
- Useful for connecting electrical switches and outlets to the mains.
- 6 Way terminal block.
- Tinned brass terminals.



**NSP**

| Description | LOOSE |           | PACKED |          |           |
|-------------|-------|-----------|--------|----------|-----------|
|             | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 3 Amp       | EA46L | 10        | EA46P  | 1        | 5         |
| 5 Amp       | EA04L | 10        | EA04P  | 1        | 5         |
| 15 Amp      | EA05L | 10        | EA05P  | 1        | 5         |
| 30 Amp      | EA06L | 10        | EA06P  | 1        | 5         |

## Lever Clamp Terminals

- Using cage clamp compact can connect up to 5 stripped fine-stranded conductors.
- Suitable for flexible lead: 0.08~2.5mm<sup>2</sup> / 28-14AWG.
- Suitable for rigidity lead: 0.08~4.0mm<sup>2</sup> / 28-12AWG.
- Rated Voltage: 400V.
- Normal Current: 32A.
- Wiring Type: Side entry.



**NEW**

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 2 Pole      | EL185P | 5        | 5         |
| 3 Pole      | EL186P | 5        | 5         |
| 5 Pole      | EL187P | 5        | 5         |

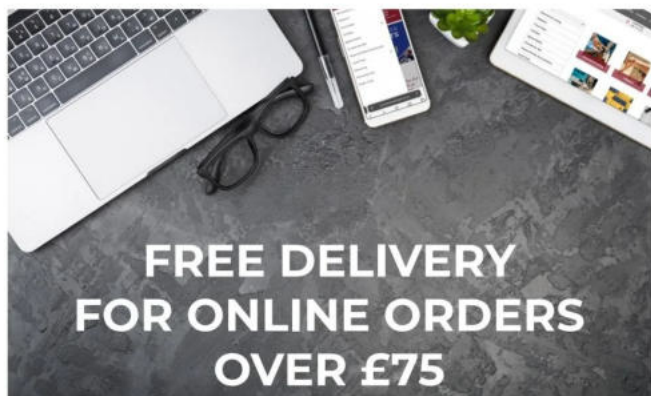
## Splicing Connector with Lever Lock

- Using cage clamp compact can connect up to 5 stripped fine-stranded conductors.
- Suitable for flexible lead: 1.0~2.5mm<sup>2</sup> / 18-14AWG.
- Suitable for rigidity lead: 0.75~2.5mm<sup>2</sup> / 19-14AWG.
- Rated Voltage: 450V.
- Normal Current: 32A.



**NEW**

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 2 Pole      | EL174P | 1        | 5         |
| 3 Pole      | EL175P | 1        | 5         |
| 5 Pole      | EL176P | 1        | 5         |



## Push-wire Connector

- Solid conductor: 0.75-2.5mm<sup>2</sup>.
- Stranded conductor: 1.5-2.5mm<sup>2</sup>.
- Voltage Rating: 400V.
- Ambient Temperature: 60°C.
- Wiring Type: Side entry.



**NEW**

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 2 Pole      | EL177P | 10       | 5         |
| 3 Pole      | EL178P | 10       | 5         |
| 4 Pole      | EL179P | 10       | 5         |
| 5 Pole      | EL180P | 10       | 5         |
| 6 Pole      | EL182P | 10       | 5         |
| 8 Pole      | EL181P | 10       | 5         |

## Terminal Flex Connector

- Ideal for expanding appliance without needing to rewire.
- Suitable for indoors.
- Complies with BS5733.



**NSP**

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 5 Amp 2 Way | EL24P | 1        | 5         |

## Terminal Junction Box

- A protective box in which all power supply wires are inter connected.
- Ideal to use in tight spaces.
- Provides access and exit points for cable up to 2.5mm.



**NSP**

| Description  | Code   | Pack Qty | Outer Qty |
|--------------|--------|----------|-----------|
| 5 Amp 4 Way  | EL110P | 1        | 5         |
| 20 Amp 4 Way | EL22P  | 1        | 5         |
| 30 Amp 3 Way | EL23P  | 1        | 5         |

## Rubber Flex Connector

- 2/3 Male to Female pin plug and socket with non-reversible connection.
- Includes cord grips.
- Ideal for power tools and lighting.



**NSP**

| Description  | Code   | Pack Qty | Outer Qty |
|--------------|--------|----------|-----------|
| 10 Amp 2 Pin | EL142P | 1        | 5         |
| 10 Amp 3 Pin | EL28P  | 1        | 5         |

# POWERLINES ELECTRICAL

## 1.5 metre Electrical Range

*This recommended profile consisting of 84 best selling lines from our powerlines electrical range.*

ASK US ABOUT A FREE BRANDED HEADER WHEN ORDERING THIS RANGE.

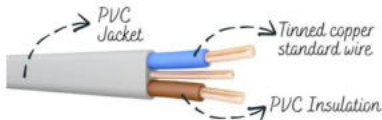


# Electrical Cables



## Twin and Earth Cable

- Ideal for use in light and domestic wiring.
- Installed in conduit, trunking or ducting.
- Solid copper conductor with PVC insulation.
- 6242Y.



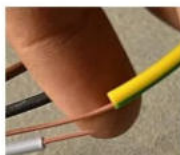
| Description  | Code      | Pack Qty | Outer Qty |
|--------------|-----------|----------|-----------|
| <b>1mm</b>   |           |          |           |
| 5m           | EL157-5P  | 1        | 1         |
| 10m          | EL157-10P | 1        | 1         |
| 100m         | EL157L    | 1        | 1         |
| <b>1.5mm</b> |           |          |           |
| 5m           | EL158-5P  | 1        | 1         |
| 10m          | EL158-10P | 1        | 1         |
| 100m         | EL158L    | 1        | 1         |
| <b>2.5mm</b> |           |          |           |
| 5m           | EL159-5P  | 1        | 1         |
| 10m          | EL159-10P | 1        | 1         |
| 100m         | EL159L    | 1        | 1         |
| <b>6mm</b>   |           |          |           |
| 2m           | EL160-2P  | 1        | 1         |
| 5m           | EL160-5P  | 1        | 1         |
| 100m         | EL160L    | 1        | 1         |

## Earth Sleeving

- Designed specifically to protect earth wire.
- Constructed from tough but flexible PVC.
- Self extinguishing in 30 seconds.
- Insulation resistance.



| Description | Code      | Pack Qty | Outer Qty |
|-------------|-----------|----------|-----------|
| <b>3mm</b>  |           |          |           |
| 2m          | EL163-2P  | 1        | 1         |
| 10m         | EL163-10P | 1        | 1         |
| 100m        | EL163L    | 1        | 1         |



## 2 Core Round Flex Cable

- Brown and blue cores.
- Ideal for lamps and small appliances.
- Two cores being live and neutral
- For appliances not requiring an earth.
- 2182Y.



| Description  | Code      | Pack Qty | Outer Qty |
|--------------|-----------|----------|-----------|
| 0.5mm x 5m   | EL164-5P  | 1        | 1         |
| 0.5mm x 10m  | EL164-10P | 1        | 1         |
| 0.5mm x 100m | EL164L    | 1        | 1         |

## 3 Core Round Flex Cable

- Brown, blue and green / yellow (earth) cores.
- Suitable for domestic and commercial small/medium equipment.
- Ideal for refrigerators, washing machines and leads.
- 3183Y.



| Description  | Code      | Pack Qty | Outer Qty |
|--------------|-----------|----------|-----------|
| <b>1mm</b>   |           |          |           |
| 5m           | EL165-5P  | 1        | 1         |
| 10m          | EL165-10P | 1        | 1         |
| 100m         | EL165L    | 1        | 1         |
| <b>1.5mm</b> |           |          |           |
| 5m           | EL166-5P  | 1        | 1         |
| 10m          | EL166-10P | 1        | 1         |
| 100m         | EL166L    | 1        | 1         |
| <b>2.5mm</b> |           |          |           |
| 5m           | EL167-5P  | 1        | 1         |
| 10m          | EL167-10P | 1        | 1         |
| 100m         | EL167L    | 1        | 1         |

## Single Core Coaxial Cable

- PVC cable.
- Aluminium foil shielding.
- Ideal for TV and satellite.



| Description                      | Code      | Pack Qty | Outer Qty |
|----------------------------------|-----------|----------|-----------|
| <b>White</b>                     |           |          |           |
| 10m                              | EL168-10P | 1        | 1         |
| 25m                              | EL168-25P | 1        | 1         |
| 100m                             | EL168L    | 1        | 1         |
| <b>Brown</b>                     |           |          |           |
| 10m                              | EL169-10P | 1        | 1         |
| 25m                              | EL169-25P | 1        | 1         |
| 100m                             | EL169L    | 1        | 1         |
| <b>Black - For satellite use</b> |           |          |           |
| 10m                              | EL170-10P | 1        | 1         |
| 25m                              | EL170-25P | 1        | 1         |
| 100m                             | EL170L    | 1        | 1         |

# Co-Axial, Scart Leads and Phone Accessories

## Single Coaxial Socket

- White plastic socket used to connect televisions to the aerial.
- Screws not supplied.



**NSP**

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| Single      | CX08P | 1        | 5         |

## Metal Coaxial Plugs

- Reliable, long-lasting connections.
- Nickel Plated.
- Used for TV aerial connectors.



**NSL NSP**

| Description | LOOSE |           |  | PACKED |          |           |
|-------------|-------|-----------|--|--------|----------|-----------|
|             | Code  | Boxed Qty |  | Code   | Pack Qty | Outer Qty |
| Male        | CX01L | 20        |  | CX01P  | 1        | 5         |
| Female      | CX02L | 20        |  | CX02P  | 1        | 5         |
| F Plug      | CX12L | 20        |  | CX12P  | 1        | 5         |
| F Coupler   | CX13L | 20        |  | CX13P  | 1        | 5         |

## Metal Coaxial Plug Set

- Nickel plated.
- Used for TV aerial connectors.
- Male and Female connectors.



**NSP**

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| Male/Female | CX09P | 2        | 5         |

## Cable Connectors

- White PVC.
- Joins two or three cables together.
- Y-Splitter has 1 input and 2 outputs.



**NSP**

| Description  | Code  | Pack Qty | Outer Qty |
|--------------|-------|----------|-----------|
| Back To Back | CX03P | 1        | 5         |
| Y-Splitter   | CX04P | 1        | 5         |

## Coaxial Cable

- Male to Male connection.
- Ideal for TV, Sky HD, satellite and video.
- 2m Cable.



**NSP**

| Description     | Code  | Pack Qty | Outer Qty |
|-----------------|-------|----------|-----------|
| Cable and Plugs | CX06P | 1        | 5         |
| TV to Video     | CX07P | 1        | 5         |

## 1.3c HDMI Cables

- HDMI to HDMI connector.
- Used on DVD, Blu-ray, Ultra HD Blu-ray, video game consoles, laptops and streaming media devices.
- Male to Male connection.



**NSP**

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 2m          | EL131P | 1        | 5         |
| 4m          | EL132P | 1        | 5         |

## Double Telephone Adaptor

- Connects 2 UK telephones into one socket.
- Converts a single socket into a double socket and can be plugged into any BT line jack.



**NSP**

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| Adaptor     | BT01P | 1        | 5         |

## Telephone Extension Lead

- Standard BT- compatible.
- Use with telephone, fax, modems and answer machines.



**NSP**

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 5m          | BT02P | 1        | 5         |
| 10m         | BT04P | 1        | 5         |

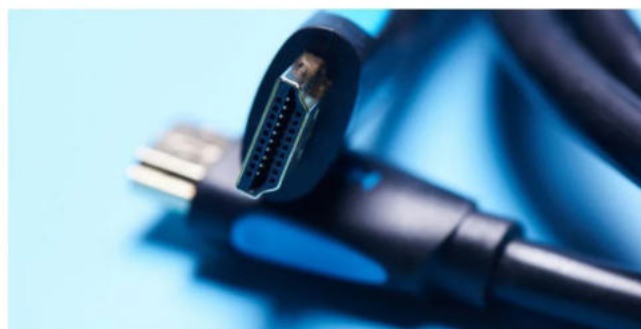
## Broadband Cable

- Connects telephone to internet.
- High speed connection.
- RJ11 to RJ11.



**NSP**

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 5m          | BT09P | 1        | 5         |



# Lighting Fixtures and Fittings

## Cord Grip Lamp Holder

- Ideal for 30mm shade holes.
- Max 100w.
- B22 electrical light lamp holder fitting.



NSP

### Description

Lamp Holder

| Code  | Pack Qty | Outer Qty |
|-------|----------|-----------|
| EL26P | 1        | 5         |

## Pendant Lamp Holder

- Short skirt Bayonet fitting.
- 100W.
- Complies with BS4533/EN60598-1.



NSP

### Description

6" Flex Cable Drop  
9" Flex Cble Drop

| Code   | Pack Qty | Outer Qty |
|--------|----------|-----------|
| EL112P | 1        | 5         |
| EL10P  | 1        | 5         |

## Push Bar Lamp Holder

- Standard Bayonet B22 electrical light lamp holder fitting with push bar.



NSP

### Description

Lamp Holder

| Code  | Pack Qty | Outer Qty |
|-------|----------|-----------|
| EL27P | 1        | 5         |

## Clip-on Lamp

- 13 Amp plug.
- Ideal for kitchens, offices and garages.
- Maximum bulb power 60W.
- Complies to BSEN/IEC60598.



NSP

### Description

Adaptor

| Code   | Pack Qty | Outer Qty |
|--------|----------|-----------|
| EL143P | 1        | 3         |

## Spare Skirt

- T2 spare short skirt for lampholder.



NSP

### Description

T2

| Code   | Pack Qty | Outer Qty |
|--------|----------|-----------|
| EL127P | 1        | 5         |

## Brass BC Lamp Holder

- Lamp can't be switched on without a bulb.
- Complies with BS5042-T2
- Requires a 3 core cable to earth.



NSP

### Description

½" Brass  
½" Brass switched

| Code   | Pack Qty | Outer Qty |
|--------|----------|-----------|
| EL118P | 1        | 5         |
| EL119P | 1        | 5         |

## Batten Lamp Holder

- Bayonet cap lamp holder.
- Ideal for any domestic or workplace ceiling.
- Ceiling rose base.



NSP

### Description

3 Terminal BC

| Code  | Pack Qty | Outer Qty |
|-------|----------|-----------|
| EL21P | 1        | 5         |

## Inline Switch

- Used to convert wall socket or touch lamps.
- White PVC.
- 2 Amp, 2 core.



NSP

### Description

2 Amp

| Code   | Pack Qty | Outer Qty |
|--------|----------|-----------|
| EL122P | 1        | 5         |

## Angled Lamp Holder

- T1 rated angled batten holder.
- With HO Skirt.
- Suitable for all standard bayonet cap lamps.



NSP

### Description

3 Terminal H/O Skirt

| Code   | Pack Qty | Outer Qty |
|--------|----------|-----------|
| EL113P | 1        | 5         |

## Ceiling Pull Switch

- Used in bathrooms or utility rooms.
- Can be used with a second pull cord or wall mounted switch.
- Conforms to BS3676



NSP

### Description

6 Amp 2 Way

| Code  | Pack Qty | Outer Qty |
|-------|----------|-----------|
| EL25P | 1        | 5         |

## Pull Cord Ceiling Switch

- Used in bathrooms or utility rooms.
- Ideal for lights and fans.
- Comes with a neon light.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 45 Amp      | EL126P | 1        | 3         |

## Ceiling Rose

- White satin finish.
- Base two + loop-in + earth terminals.
- Cable not included.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Rose        | EL111P | 1        | 5         |

## Switch Cord Pull

- Used in bathrooms or utility rooms.
- Length cord can be adjusted to required length.
- Suitable for ceiling switch.



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| Cord Pull   | EL11P | 1        | 5         |

# Sockets and Leads



## Trailing Socket

- Rewireable gang socket.
- Complies with BS1363/A.
- Rubber construction.



NSP

| Description   | Code   | Pack Qty | Outer Qty |
|---------------|--------|----------|-----------|
| <b>1 Gang</b> |        |          |           |
| Orange 13 Amp | EL133P | 1        | 5         |
| White 13 Amp  | EL41P  | 1        | 5         |
| <b>2 Gang</b> |        |          |           |
| White 13 Amp  | EL144P | 1        | 5         |

## 1 Gang Extension Lead

- Connects equipment that have short cables.
- Single socket.
- Standard three-pin UK plug.
- Complies with BS1363/A.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 5m          | EL03P  | 1        | 3         |
| 10m         | EL145P | 1        | 3         |

## RCD Safety Plug

- Added protection against electrocution.
- Ideal for domestic and commercial appliances.
- Monitors the power supply.
- Current rating 13 Amp.
- Voltage rating 240V ac.
- Maximum load 3.2kw or 13a.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| Safety Plug | 20477 | 1        | 1         |

## 2 Gang Extension Lead

- Connects equipment that have short cables.
- Provides a double socket.
- Standard three-pin UK plug.
- Complies with BS1363/A.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 3m          | EL146P | 1        | 3         |

#### 4 Gang Extension Lead

- Connects multiple equipment.
- Provides four sockets with neon indicator.
- Standard three-pin UK plug.
- Complies with BS1363/A.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 2m          | EL04P  | 1        | 3         |
| 5m          | EL148P | 1        | 3         |

#### 4 Gang Surge Extension Lead

- Connects multiple equipment.
- Provides four sockets with neon indicator.
- Standard three-pin UK plug.
- Conforms to BS 1363/A.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 2m          | EL134P | 1        | 3         |

#### 4 Gang Extension Lead with USB

- Connects multiple equipment.
- Provides four sockets with two USB ports.
- Standard three-pin UK plug.
- Complies with BS1363/A.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 2m          | EL197P | 1        | 3         |

#### 6 Gang Extension Lead

- Connects multiple equipment.
- Provides a six sockets.
- Standard three-pin UK plug.
- Conforms to BS1363/A



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 2m          | EL147P | 1        | 3         |

#### 2 Gang Cable Reel Extension

- Compact cassette with plastic winding knob.
- Provides four sockets.
- Standard three-pin UK plug.



| Description | Code   | Boxed Qty |
|-------------|--------|-----------|
| 10m         | EL139L | 1         |

#### 4 Gang Cable Reel Extension

- Compact cassette with plastic winding knob.
- Provides four sockets with safety thermal cut out.
- Standard three-pin UK plug.



| Description | Code   | Boxed Qty |
|-------------|--------|-----------|
| 25m         | EL199L | 1         |

#### Open Drum Cable Reel

- With plastic winding knob.
- Provides four sockets with safety thermal cut out.
- Standard three-pin UK plug.



| Description | Code   | Boxed Qty |
|-------------|--------|-----------|
| 25m         | EL200L | 1         |
| 50m         | EL201L | 1         |

#### Mains Plug to C7 Plug

- Used with small or portable appliances that take C7.
- Ideal for game consoles, coffee makers and shavers.
- Standard three-pin UK plug.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| C7          | EL153P | 1        | 5         |

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# Industrial Sockets and Leads

## Portable Transformer

Defender E203010 3kVA single-phase power transformer with 2 x 16Amp outlets.

- Fitted with a thermal cut-off switch.
- Central handle for easy lifting.
- Intermittent rating of 3000W - duty cycle 5 mins on / 15 mins off.
- Continuous rating of 1650W.
- Made and tested in the UK.
- Fitted with 240V 13A plug.
- Centre tapped to earth for extra safety.
- Colour: Yellow.
- Central handle for easy lifting.



**NEW**

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 3KVA        | EL195P | 1        | 1         |

## Electrical Distribution Box

Elite splitter box allows a single power source to be split and the distribution of electricity through various outlets, ideally suited for construction environments.

- Features 4 x 16Amp outlets.
- Splits and distributes a single power source.
- Colour: Yellow.



**NEW**

| Description          | Code   | Pack Qty | Outer Qty |
|----------------------|--------|----------|-----------|
| 4 Way / 16Amp / 110V | EL194P | 1        | 1         |

## Fly Lead

The Elite FL16 single socket 240v fly lead enables users to connect a domestic plug (13A) tool or light to a 16A lead without the need to re-wire. It is supplied with a short cable to maintain flexibility.

- Features a quick and easy adapter for 240v 3A equipment to attach to 16A leads.
- Robust 16A plug and single 13A socket.
- Colour: Blue.



**NEW**

| Description                      | Code   | Pack Qty | Outer Qty |
|----------------------------------|--------|----------|-----------|
| 16A (Plug) / 13A (Socket) / 240V | EL192P | 1        | 1         |

## Extension Lead

Elite single socket 110v extension lead enables users to extend the power supply to various construction site power tools and lighting applications. It is supplied with a 14m cable to maintain flexibility.

- Features a 100% copper fully VDE approved cable.
- Fully CE compliant.
- Colour: Yellow.



**NEW**

| Description                | Code   | Pack Qty | Outer Qty |
|----------------------------|--------|----------|-----------|
| 2.5mm x 14m / 16Amp / 110V | EL190P | 1        | 1         |
| 4mm x 14m / 32Amp / 110V   | EL191P | 1        | 1         |
| 2.5mm x 14m / 32Amp / 110V | EL193P | 1        | 1         |



# Plugs and Adaptors

## Power Saving Remote Control Sockets

- Remote control (up to 30m) with on/off function for appliances up to 4Amps.
- Simple installation - no wiring required.
- 3 x 1200W Wireless Controlled sockets.



**NEW**

| Description   | Code  | Pack Qty | Outer Qty |
|---------------|-------|----------|-----------|
| 220/240V 50Hz | EL02P | 3        | 1         |

## 24 Hour Pin Timer

- Turns appliances on/off at convenient times.
- Ideal for residential/commercial surroundings.
- 24 hour programming.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 24 Hour     | EL140P | 1        | 3         |

## Digital Timer

- Turns appliances on/off at convenient times.
- Ideal for residential or commercial surroundings.
- Controls the power usage and shuts off power.
- Digital timer with 16 options, 10 programmes and 12/24 hour time display.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 7 Day       | EL141P | 1        | 3         |

## Night Light Plug

- Automatic on-off function.
- Light sensor.
- Standard three-pin UK plug.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Plug        | EL138P | 1        | 5         |

## Fused Household Plug

- Rewireable plug.
- Two-part body with a standard single screw.
- Standard three-pin UK plug.



**NSL NSP**

| Description | LOOSE |           | PACKED |          |           |
|-------------|-------|-----------|--------|----------|-----------|
|             | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| 13 Amp      | EL06L | 10        | EL06P  | 1        | 5         |

## Fused Tough Plug

- High impact thermoplastic.
- Standard three-pin UK plug.
- Conforms to BS1363/A.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Orange      | EL136P | 1        | 5         |
| White       | EL135P | 1        | 5         |
| Black       | EL31P  | 1        | 5         |

## 2 Way Unfused Adaptor

- Unfused requires 13A fuse.
- Standard three-pin UK plug.
- Conforms to BS1363.



**NSP**

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 13 Amp      | EL07P | 1        | 5         |

## 3 Way Fused Adaptor

- Two way adaptor.
- Unfused requires 13A fuse.
- Standard three-pin UK plug.
- Conforms to BS1364



**NSP**

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 13 Amp      | EL08P | 1        | 5         |

### Shaver Adaptor

- Used for shavers and electric toothbrushes.
- Standard three-pin UK plug.
- Conforms to BS646.



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 1 Amp       | EL09P | 1        | 5         |

### Travel Tourist Adaptor

- Plug adaptor to fit USA/Australasian plugs.
- Small and light for carrying in luggage.



NSP

| Description            | Code  | Pack Qty | Outer Qty |
|------------------------|-------|----------|-----------|
| UK to USA/Australasian | EL01P | 1        | 5         |

### Childsafe Socket Insert

- Safety covers for a three-pin UK plug.
- Blocks the socket holes from children.
- Conforms to BS1363.



NSP

| Description   | Code  | Pack Qty | Outer Qty |
|---------------|-------|----------|-----------|
| White Plastic | EA48P | 2        | 5         |

### Travel Tourist Adaptor

- For visitors to the UK from France/Germany.
- Converts CEE 7 SCHUKO (16A) plug to BS1363:1984 13A plug).
- Small and light for carrying in luggage.



| Description              | Code  | Pack Qty | Outer Qty |
|--------------------------|-------|----------|-----------|
| Continental Europe to UK | EL33P | 1        | 5         |

### Travel Tourist Adaptor

- Plug adaptor to fit Continental Europe plugs.
- Small and light for carrying in luggage.
- Converts BS1363:1984 plug to CEE7 (10/16A).
- Complies with BS5733.



NSP

| Description              | Code  | Pack Qty | Outer Qty |
|--------------------------|-------|----------|-----------|
| UK to Continental Europe | EL32P | 1        | 5         |

### Travel Tourist Adaptor

- Plug adaptor to fit all continent plugs.
- Converts all continents plug to BS5733/A 13A plug.
- Small and light for carrying in luggage.



| Description          | Code  | Pack Qty | Outer Qty |
|----------------------|-------|----------|-----------|
| All Continents to UK | EL81P | 1        | 5         |



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# Switches and Sockets

## Light Switch

- Available in one, two and three switches.
- Two way switching can be added to the circuit.
- Screwed faceplate.
- Conforms to BS3676:1989.



NSP

| Description         | Code  | Pack Qty | Outer Qty |
|---------------------|-------|----------|-----------|
| 10 Amp Single 2 Way | EL12P | 1        | 5         |
| 10 Amp Double 2 Way | EL13P | 1        | 5         |
| 10 Amp Triple 2 Way | EL91P | 1        | 3         |

## Dimmer Switch

- Allows dimming for comfortable ambience.
- Two way switching can be added to the circuit.
- Screwed faceplate.
- Suitable for all incandescent lighting.



| Description       | Code   | Pack Qty | Outer Qty |
|-------------------|--------|----------|-----------|
| 1 Gang 250W 2 way | EL106P | 1        | 3         |

## Safety Blanking Plate

- Safely covers unwanted sockets/switches.
- Requires no wiring.
- Screwed faceplate.
- Conforms to BS5733.



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| Single      | EL19P | 1        | 5         |
| Double      | EL20P | 1        | 5         |

## Switched Wall Socket

- Available with 1 and 2 plug sockets.
- Two way switching can be added to the circuit.
- Screwed faceplate.
- 13 Amp.
- Conforms to BS3676:1990.



NSP

| Description     | Code  | Pack Qty | Outer Qty |
|-----------------|-------|----------|-----------|
| 1 Gang Switched | EL14P | 1        | 5         |
| 2 Gang Switched | EL15P | 1        | 5         |

## Wall Socket with USB

- Two plug sockets and USB charging points.
- Screwed faceplate.
- 2.1A 5V USB 2.0 Type A.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 2 Gang      | EL29P | 1        | 1         |

## Fused Spur with Neon

- Used to isolate electrical equipment from the mains.
- Used in kitchens for ovens and hobs.
- Screwed faceplate.



NSP

| Description           | Code  | Pack Qty | Outer Qty |
|-----------------------|-------|----------|-----------|
| 13 Amp Spur With Neon | EL92P | 1        | 3         |

## Fused Spur

- Used to isolate electrical equipment from the mains.
- Used in kitchens for ovens and hobs.
- Screwed faceplate.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 13 Amp Spur | EL101P | 1        | 3         |

## Double Pole Switch

- Connects two separate electrical circuits.
- Screwed faceplate.



NSP

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 20 Amp      | EL103P | 1        | 3         |

## Switched Cooker Unit

- Controls the supply of electricity to the oven and hob.
- Neon power indicator.
- Screwed faceplate.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 45 Amp      | EL114P | 1        | 3         |

## Cooker Switch With Socket

- Switch control for cooker and socket.
- Controls the supply of electricity to the oven and hob.
- Neon power indicator.
- Screwed faceplate.



| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| 45 Amp      | EL105P | 1        | 3         |

## Outdoor IP66 Switched Socket

- IP66 Weatherproof.
- Made from polycarbonate.
- Neon power indicator.
- Single and double sockets.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 1 Gang      | EL95P | 1        | 3         |
| 2 Gang      | EL96P | 1        | 3         |

# Mounting Boxes and Accessories

## Surface Mounted Box

- Keeps electrical connections safe.
- White PVC.
- Box is provided with earth terminal.
- Screwed square faceplate.
- Conforms to BS5733.



| Description   | Code   | Pack Qty | Outer Qty |
|---------------|--------|----------|-----------|
| <b>1 Gang</b> |        |          |           |
| 18mm          | EL16P  | 1        | 5         |
| 25mm          | EL17P  | 1        | 5         |
| 47mm          | EL108P | 1        | 5         |
| <b>2 Gang</b> |        |          |           |
| 25mm          | EL18P  | 1        | 5         |
| 47mm          | EL109P | 1        | 5         |

## Galvanised Steel Box

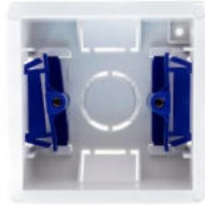
- Keeps electrical connections safe.
- Box is provided with earth terminal.
- Screwed square faceplate.
- Conforms to BS4662:1970.



| Description   | Code   | Pack Qty | Outer Qty |
|---------------|--------|----------|-----------|
| <b>1 Gang</b> |        |          |           |
| 16mm          | EL38P  | 1        | 5         |
| 25mm          | EL39P  | 1        | 5         |
| 35mm          | EL129P | 1        | 5         |
| 47mm          | EL115P | 1        | 5         |
| <b>2 Gang</b> |        |          |           |
| 25mm          | EL40P  | 1        | 5         |
| 35mm          | EL130P | 1        | 5         |
| 47mm          | EL116P | 1        | 5         |

## Dry Lining Box

- Use within a plasterboard wall or ceiling.
- Sits flush against the surface.
- Internal lugs to keep wiring secured in place.
- 34mm Depth.
- Quick and simple to install.



**NSP**

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| Single      | EL93P | 1        | 3         |
| Double      | EL94P | 1        | 3         |

## Open Rubber Grommets

- Black polychloroprene rubber.
- Used to protect cables and wires.
- Also use to seal off any unused entries.



**NSP**

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 20mm        | EA77P | 4        | 5         |

## Electrical Switch and Socket Screws

- Countersunk screws.
- Secures electric sockets and switches.
- Able to withstand any sudden increases in heat from appliances.
- Resistant to corrosion and decay.



**NSL NSP**

| Description        | LOOSE |           | PACKED |          |           |
|--------------------|-------|-----------|--------|----------|-----------|
|                    | Code  | Boxed Qty | Code   | Pack Qty | Outer Qty |
| <b>M3.5 x 25mm</b> |       |           |        |          |           |
| Electric Brass     | EA41L | 100       | EA41P  | 4        | 5         |
| Zinc Plated        | EA40L | 100       | EA40P  | 4        | 5         |
| <b>M3.5 x 50mm</b> |       |           |        |          |           |
| Electric Brass     | EA10L | 100       | EA10P  | 4        | 5         |
| Zinc Plated        | EA09L | 100       | EA09P  | 4        | 5         |

## Door Chimes

### Plug In Door Chimes

- Range up to 300 metres approximately.
- Mains operated.
- Waterproof bell push.
- 36 selectable chimes.
- Led indicator on door chime.
- Bell push - 1 x 3V CR2032.
- Chime - 100-240V AC 50-60Hz.



| Description    | Code   | Pack Qty | Outer Qty |
|----------------|--------|----------|-----------|
| Mains Operated | EL156P | 1        | 1         |

### Cordless Door Chimes

- Range up to 300 metres approximately.
- Wireless - no wiring required.
- Waterproof bell push.
- 36 Selectable chimes.
- Led indicator on door chime.
- 2 x AA 1.5V Alkaline batteries (not included).



| Description      | Code   | Pack Qty | Outer Qty |
|------------------|--------|----------|-----------|
| Battery Operated | EL155P | 1        | 1         |

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# Device Accessories

## USB-A to Lightning Cable

- Lightning USB charger and sync cable.
- Use with Apple devices.



**NEW** **N5P**

| Description        | Code  | Pack Qty | Outer Qty |
|--------------------|-------|----------|-----------|
| 1m Cable           | BT14P | 1        | 3         |
| 3m Cable           | BT26P | 1        | 3         |
| <b>Fast Charge</b> |       |          |           |
| 1m Cable           | BT25P | 1        | 3         |

## USB-A to Lightning Braided Cable

- Lightning USB charger and sync cable.
- Durable and less prone to damage.
- Use with Apple devices.



**N5P**

| Description      | Code  | Pack Qty | Outer Qty |
|------------------|-------|----------|-----------|
| 1m Braided Cable | BT13P | 1        | 3         |

## USB-A to USB-C Cable

- Industry standard connector for transferring data and power on a single cable.
- USB A to USB C connector.
- Oval and rounded USB-C end.



**NEW** **N5P**

| Description        | Code  | Pack Qty | Outer Qty |
|--------------------|-------|----------|-----------|
| 1m Cable           | BT15P | 1        | 3         |
| 3m Cable           | BT21P | 1        | 3         |
| <b>Fast Charge</b> |       |          |           |
| 1m Cable           | BT27P | 1        | 3         |

## USB-A to USB-C Braided Cable

- Industry standard connector for transferring data and power on a single cable.
- Durable and less prone to damage.
- USB A to USB C connector.
- Oval and rounded USB-C end.



**N5P**

| Description      | Code  | Pack Qty | Outer Qty |
|------------------|-------|----------|-----------|
| 1m Braided Cable | BT16P | 1        | 3         |

## USB-C to USB-C Cable

- USB-C on both ends for universal compatibility.
- Supports fast charging (up to 100W with USB PD).
- Works with phones, laptops, tablets, monitors, and more.



**NEW** **N5P**

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 1m Cable    | BT22P | 1        | 3         |
| 3m Cable    | BT23P | 1        | 3         |

## USB-C to USB-C Braided Cable

- Supports fast charging.
- Supports up to 60w power transfer.
- Double-Braided nylon sheathing.
- Colour – White.



**NEW** **N5P**

| Description        | Code  | Pack Qty | Outer Qty |
|--------------------|-------|----------|-----------|
| 1.5m Braided Cable | BT20P | 1        | 5         |

## USB-A Male to Micro USB Cable

- Ideal for charging Android phones and tablets or connecting PC peripherals.
- Powers small electronic devices.



**N5P**

| Description      | Code  | Pack Qty | Outer Qty |
|------------------|-------|----------|-----------|
| 1m Male to Micro | BT17P | 1        | 3         |

## USB Charger Plug

- Single USB charging plug.
- Works with USB cable to charge phones, tablets, ebook readers, cameras or other USB devices.



**NEW** **N5P**

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| USB A       | BT12P | 1        | 3         |
| USB C       | BT24P | 1        | 3         |

## USB Charger Port

- Dual USB car charger.
- Used for smartphones and tablets.
- QC 3.0 and PD 18W.



**N5P**

| Description    | Code  | Pack Qty | Outer Qty |
|----------------|-------|----------|-----------|
| 18W Charger QC | BT18P | 1        | 3         |

# Lighting and Lamp Accessories

## Smart Plugs

- Switches appliances on and off.
- Compatible with Android, Apple, Google Assistant and Alexa.
- Cost effective.



### Description

| Code  | Pack Qty | Outer Qty |
|-------|----------|-----------|
| SM10P | 1        | 3         |

## Smart LED GU10 Lamp

- Dimmable.
- 4.8w 50w replacement.



### Description

4.8w 360lm

| Code  | Pack Qty | Outer Qty |
|-------|----------|-----------|
| SM01P | 1        | 12        |

## Smart LED GLS BC Lamp

- Dimmable.
- 9.2w 60w replacement.



### Description

B22 8.5w/60w 806lm

| Code  | Pack Qty | Outer Qty |
|-------|----------|-----------|
| SM02P | 1        | 12        |

## Smart LED GLS ES Lamp

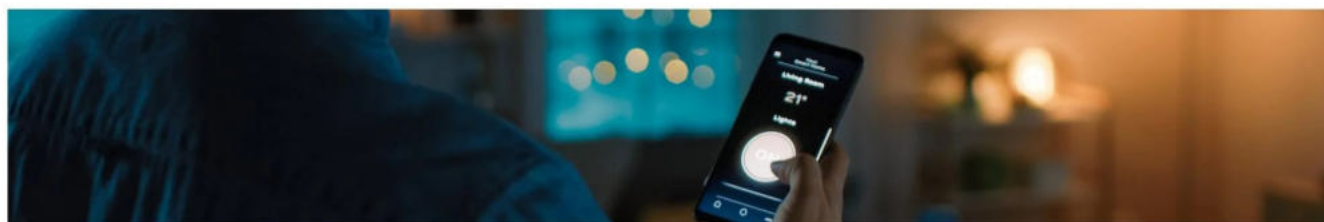
- Dimmable.
- 9.2w 60w replacement.



### Description

E27 8.5w/60w 806lm

| Code  | Pack Qty | Outer Qty |
|-------|----------|-----------|
| SM03P | 1        | 12        |



## Energizer LED GLS Lamps

- GLS (general lamp service).
- Opal finish.
- Average life span of 15,000 hours.
- 85% energy saving.



### Description

#### ES Warm White

|                       |       |   |    |
|-----------------------|-------|---|----|
| E27 4.9w/40w 470lm    | 93324 | 1 | 12 |
| E27 8.5w/60w 806lm    | 93480 | 1 | 12 |
| E27 13.5w/100w 1521lm | 93482 | 1 | 12 |

#### BC Warm White

|                       |       |   |    |
|-----------------------|-------|---|----|
| B22 4.9w/40w 470lm    | 93325 | 1 | 12 |
| B22 8.5w/60w 806lm    | 93481 | 1 | 12 |
| B22 13.5w/100w 1521lm | 93483 | 1 | 12 |

## Energizer LED Golf Lamps

- GLS (general lamp service).
- Opal finish.
- Average life span of 15,000 hours.
- 85% energy saving.



### Description

#### ES Warm White

|                    |       |   |    |
|--------------------|-------|---|----|
| E14 3w/25w 250lm   | 93326 | 1 | 12 |
| E27 3w/25w 250lm   | 93327 | 1 | 12 |
| E14 4.9w/40w 470lm | 93475 | 1 | 12 |
| E27 4.9w/40w 470lm | 93476 | 1 | 12 |

#### BC Warm White

|                    |       |   |    |
|--------------------|-------|---|----|
| B22 3w/25w 250lm   | 93328 | 1 | 12 |
| B22 4.9w/40w 470lm | 93477 | 1 | 12 |

## Energizer LED Candle Lamps

- Candle bulb with edison screw fitting.
- Average life span of 15,000 hours.
- 85% energy saving.



NSP

| Description          | Code  | Pack Qty | Outer Qty |
|----------------------|-------|----------|-----------|
| <b>ES Warm White</b> |       |          |           |
| E14 3w/25w 250lm     | 93329 | 1        | 12        |
| E14 4.9w/40w 470lm   | 93478 | 1        | 12        |
| <b>BC Warm White</b> |       |          |           |
| B22 3w/25w 250lm     | 93330 | 1        | 12        |
| B22 4.9w/40w 470lm   | 93479 | 1        | 12        |

## Energizer GU10 LED Lamps

- GU10 Spot.
- Not dimmable.
- Average life span of 15,000 hours.
- 85% energy saving.



NSP

| Description         | Code  | Pack Qty | Outer Qty |
|---------------------|-------|----------|-----------|
| <b>Warm White</b>   |       |          |           |
| 2.4w/35w GU10 230lm | 93331 | 1        | 12        |
| 4.2w/50w GU10 345lm | 93332 | 1        | 12        |
| <b>Cool White</b>   |       |          |           |
| 2.4w/35w GU10 230lm | 93473 | 1        | 12        |
| 4.2w/50w GU10 345lm | 93474 | 1        | 12        |

## Energizer LED Lamps

- Not dimmable.
- Average life span of 15,000 hours.
- 85% energy saving.



NSP

| Description          | Code  | Pack Qty | Outer Qty |
|----------------------|-------|----------|-----------|
| <b>G4 Warm White</b> |       |          |           |
| 1.2w/10w 90lm        | 93486 | 1        | 12        |
| <b>G9 Warm White</b> |       |          |           |
| 1.9w/20w 200lm       | 93487 | 1        | 12        |
| 4.2w/40w 470lm       | 93812 | 1        | 12        |

## Energizer Halogen ECO Lamp

- Halogen.
- Dimmable.
- Average life span of 15,000 hours.
- 85% energy saving.



NSP

| Description          | Code  | Pack Qty | Outer Qty |
|----------------------|-------|----------|-----------|
| <b>G9 Warm White</b> |       |          |           |
| 33w/40w 460lm        | 93518 | 1        | 10        |

## Eveready Pygmy Lamp

- Long life, energy saving.
- Low maintenance costs.
- 1 year lamp life span.
- Screw 15w bulb.



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 15w S14/SES | 90501 | 1        | 10        |

## Eveready Oven Lamp

- Oven appliance bulb.
- Up to 300 degrees heat resistant.
- 1,000 hours approx.



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 15w S14/SES | 90502 | 1        | 10        |
| 25w S14/SES | 90503 | 1        | 10        |
| 40w S14/SES | 90504 | 1        | 10        |

## Elite LED ES Festoon Bulb

- Polycarbonate LED replacement light bulb delivers bright, crisp light with low energy use.
- 10w LED. 806 lumens.



NEW

| Description              | Code   | Pack Qty | Outer Qty |
|--------------------------|--------|----------|-----------|
| 10w 110V ES Festoon Bulb | EL196P | 1        | 1         |

## Floodlight

- Practical and weatherproof.
- Glass lens sealed with silicone rubber gasket.
- Water-resistant seal.
- Provides a 180 degree PIR at 12m range.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| <b>150W</b> |       |          |           |
| PIR Sensor  | 91474 | 1        | 6         |
| <b>500W</b> |       |          |           |
| PIR Sensor  | 91136 | 1        | 6         |

## Lantern

- Victorian style lantern.
- Weather resistant.
- 60W ES E27 bulb required.



| Description          | Code  | Pack Qty | Outer Qty |
|----------------------|-------|----------|-----------|
| 6 Sided              | 91138 | 1        | 4         |
| 6 Sided - PIR Sensor | 91139 | 1        | 4         |

## Bulkhead Light

- For ceiling and wall mounting.
- Oval or round lamp with wire basket.
- 1 x 60 Watt max.
- ES/E27 standard bulb.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| Oval        | 91140 | 1        | 8         |
| Round       | 91141 | 1        | 8         |

## Recessed Downlight

- Zinc alloy.
- GU10 max, 50W.
- 240V.
- Triple pack.



| Description           | Code  | Pack Qty | Outer Qty |
|-----------------------|-------|----------|-----------|
| Fixed Polished Chrome | 91476 | 3        | 5         |
| Fixed Brush Chrome    | 91477 | 3        | 5         |

## Rechargeable LED Worklight

- 10W LED.
- Over-charge protection.
- Up to 3 hours operating times from a full 4 hour charge.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 10W         | 91492 | 1        | 6         |

## Energizer LED Floodlight

- Generate less heat.
- Adjustable tool included.
- Waterproof.



| Description       | Code  | Pack Qty | Outer Qty |
|-------------------|-------|----------|-----------|
| 10W               | 93535 | 1        | 8         |
| 20W               | 93536 | 1        | 8         |
| 30W               | 93537 | 1        | 6         |
| <b>PIR Sensor</b> |       |          |           |
| 10W               | 93538 | 1        | 8         |
| 20W               | 93539 | 1        | 8         |
| 30W               | 93540 | 1        | 6         |



# Fire, Heat and CO Alarms

## Battery Operated Smoke Alarm

- Uses an optical sensor.
- 3 year warranty.
- Hush button feature.
- Certified to EN14604:2005.
- 9V Alkaline battery included.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| Smoke Alarm | 21104 | 1        | 18        |

## Battery Operated CO Alarm

- Compact and lightweight.
- 10 years sensor life.
- 3 year alarm warranty.
- Free standing or wall mounted.
- Certified to EN50291-1:2018 Standards.
- 2 x AA batteries included.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| CO Alarm    | 21103 | 1        | 24        |

## Carbon Monoxide Alarm

- Compact and lightweight.
- 10 years sensor life.
- Free standing or wall mounted.
- Certified to EN50291-1:2018.
- 2 x AA batteries included.



| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| CO Alarm    | 21101 | 1        | 6         |

# Batteries

## Energizer Recharge Base

- Charges two or four AA or AAA batteries.
- For use with rechargeable batteries.
- Complete with 4 AAA batteries.



NSP

| Description     | Code  | Pack Qty | Outer Qty |
|-----------------|-------|----------|-----------|
| 6hr full charge | 93811 | 1        | 6         |

## Eveready Zinc Lantern Batteries

- 11Ah lantern battery.
- High performance, zinc chloride with 6V nominal voltage.
- Male and female terminals are marked.



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 6V          | 93532 | 1        | 6         |

## Energizer Alkaline Power Batteries

- Designed to keep devices running longer.
- Available in a wide variety of sizes.



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| AA x 4      | 90080 | 4        | 24        |
| AAA x 4     | 90081 | 4        | 12        |
| C x 2       | 90082 | 2        | 6         |
| D x 2       | 90083 | 2        | 6         |
| 9V          | 90084 | 1        | 12        |

## JCB Coin Cell Battery

- Lithium batteries.
- Used for clocks, scales and key fobs.



NSP

| Description   | Code  | Pack Qty | Outer Qty |
|---------------|-------|----------|-----------|
| CR2016        | 91041 | 1        | 10        |
| CR2025        | 91042 | 1        | 10        |
| CR2032        | 91043 | 1        | 10        |
| Assorted x 6  | 93533 | 6        | 12        |
| Assorted x 15 | 93534 | 15       | 20        |

## Energizer Industrial Alkaline Batteries

- Designed to keep devices running longer.
- Available in a wide variety of sizes.



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| AA          | 93530 | 10       | 12        |
| AAA         | 93531 | 10       | 6         |

## JCB Rechargeable Batteries

- Batteries come charged.
- 900 mAh rechargeable.
- Up to 1000 charges.
- Rechargeable.



NSP

| Description     | Code  | Pack Qty | Outer Qty |
|-----------------|-------|----------|-----------|
| 900 mAh AAA x 4 | 93548 | 4        | 10        |
| 1200 mAh AA x 4 | 91038 | 4        | 10        |

## Eveready Super Zinc Batteries

- Designed to keep devices running longer.
- Used in torches, clocks and radios.
- Available in AA, AAA, C and D.



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| AA x 4      | 90085 | 4        | 24        |
| AAA x 4     | 90086 | 4        | 12        |
| C x 2       | 90087 | 2        | 24        |
| D x 2       | 90088 | 2        | 24        |
| 9V          | 90089 | 1        | 12        |

## Duracell Plus Power Batteries

- Alkaline Manganese dioxide battery.
- Suited for everyday devices.
- Available in a wide variety of sizes.
- Plus power provides 100% extra life.



NSP

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 9V          | 91489 | 1        | 10        |
| AA x 4      | 93528 | 4        | 10        |
| AAA x 4     | 93529 | 4        | 10        |
| C x 2       | 91487 | 2        | 10        |
| D x 2       | 91488 | 2        | 10        |

# Torches

## Aluminium Mini Torch

- Super bright mini torch with wrist strap.
- Compact pocket size approx 9.5cm length.
- 3 x AAA batteries included.
- Display box available.



**NSP**

| Description | Code    | Pack Qty | Outer Qty |
|-------------|---------|----------|-----------|
| Display Box | EA100DB | 12       | 1         |

## Black Rubber Coated Mini Torch

- Rubber design.
- Wrist strap.
- Push button for on and off.
- 3 x AAA batteries included.
- Display box available.



**NSP**

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Display Box | EA84DB | 12       | 1         |

## Rechargeable LED 3 Function Torch

- Super bright mini torch with pocket clip.
- Running Time: 1.5hrs - 3hrs (Depending on Mode).
- Rechargeable Battery Included (Charging Time Approx 2hrs).
- Modes include - high beam, low beam and flash (includes SOS Mode).
- Display box available.



**NEW NSP**

| Description | Code    | Pack Qty | Outer Qty |
|-------------|---------|----------|-----------|
| Display Box | EA111DB | 6        | 1         |

## Round Worklight

- Chip on Board (COB) LED technology.
- 3W is equal to 180 Lumens.
- With swivel hook and magnet back.
- 3 x AAA batteries included.
- Display box available.



**NSP**

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Display Box | EA91DB | 12       | 1         |



**Super bright CREE and COB lighting is powerful yet uses a fraction of the energy meaning batteries last longer.**

### Inspection Work Light Torch

- Chip on board (COB) bright white LEDs.
- Foldable hanging hook.
- Magnet on rear of the body.
- 3 x AAA batteries included.
- Display box available.



**NSP**

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Display Box | EA94DB | 6        | 1         |

### COB Pullout Worklight

- Chip on board (COB).
- Pocket clip.
- White/Red flashtouch.
- 4 x AAA batteries included.
- Display box available.



**NSP**

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Display Box | EA97DB | 6        | 1         |

### LED Penlight Torch

- Penlight chip on board (COB).
- Pocket clip.
- 1W LED torch.
- 3 x AAA batteries included.
- Display box available.



**NSP**

| Description | Code   | Pack Qty | Outer Qty |
|-------------|--------|----------|-----------|
| Display Box | EA96DB | 15       | 1         |

### Head Light

- Adjustable strap.
- Low light conditions.
- CREE LED.
- 3 x AAA batteries included.



**NSP**

| Description | Code  | Pack Qty | Outer Qty |
|-------------|-------|----------|-----------|
| 1W CREE     | EA99P | 1        | 3         |



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| 20340 | 39   | BT02  | 47   | CX08  | 47   | EL108    | 55   | EL17     | 55   | PA11  | 33   | PA267 | 35   | PA371 | 23   | PA522 | 16   | YS30 | 8    |      |      |
| 20477 | 49   | BT04  | 47   | CX09  | 47   | EL109    | 55   | EL170    | 46   | PA110 | 22   | PA268 | 35   | PA372 | 36   | PA523 | 16   | YS31 | 8    |      |      |
| 21101 | 60   | BT09  | 47   | CX12  | 47   | EL11     | 49   | EL170-10 | 46   | PA111 | 22   | PA269 | 37   | PA375 | 13   | PA524 | 17   | YS32 | 8    |      |      |
| 21103 | 60   | BT12  | 57   | CX13  | 47   | EL110    | 45   | EL170-25 | 46   | PA112 | 28   | PA27  | 24   | PA376 | 14   | PA525 | 26   | YS60 | 8    |      |      |
| 21104 | 60   | BT13  | 57   | EA03  | 42   | EL111    | 49   | EL174    | 44   | PA113 | 28   | PA270 | 37   | PA377 | 14   | PA526 | 26   | YS61 | 8    |      |      |
| 90080 | 61   | BT14  | 57   | EA04  | 44   | EL112    | 48   | EL175    | 44   | PA114 | 28   | PA271 | 32   | PA38  | 17   | PA527 | 26   | YS62 | 8    |      |      |
| 90081 | 61   | BT15  | 57   | EA05  | 44   | EL113    | 48   | EL176    | 44   | PA115 | 28   | PA28  | 24   | PA380 | 14   | PA528 | 30   | YS63 | 8    |      |      |
| 90082 | 61   | BT16  | 57   | EA06  | 44   | EL114    | 55   | EL177    | 45   | PA116 | 28   | PA281 | 37   | PA382 | 14   | PA529 | 30   | YS64 | 8    |      |      |
| 90083 | 61   | BT17  | 57   | EA08  | 42   | EL115    | 55   | EL178    | 45   | PA117 | 33   | PA283 | 31   | PA387 | 19   | PA531 | 31   |      |      |      |      |
| 90084 | 61   | BT18  | 57   | EA09  | 56   | EL116    | 55   | EL179    | 45   | PA118 | 9    | PA284 | 31   | PA388 | 19   | PA532 | 25   |      |      |      |      |
| 90085 | 61   | BT20  | 57   | EA10  | 56   | EL118    | 48   | EL18     | 55   | PA119 | 9    | PA287 | 32   | PA389 | 19   | PA533 | 25   |      |      |      |      |
| 90086 | 61   | BT21  | 57   | EA100 | 62   | EL119    | 48   | EL180    | 45   | PA12  | 13   | PA288 | 32   | PA390 | 19   | PA55  | 27   |      |      |      |      |
| 90087 | 61   | BT22  | 57   | EA11  | 42   | EL12     | 54   | EL181    | 45   | PA121 | 15   | PA29  | 31   | PA391 | 24   | PA56  | 25   |      |      |      |      |
| 90088 | 61   | BT23  | 57   | EA111 | 62   | EL122    | 48   | EL182    | 45   | PA122 | 15   | PA291 | 18   | PA392 | 24   | PA57  | 18   |      |      |      |      |
| 90089 | 61   | BT24  | 57   | EA12  | 42   | EL126    | 49   | EL185    | 44   | PA123 | 14   | PA292 | 18   | PA393 | 30   | PA58  | 25   |      |      |      |      |
| 90501 | 59   | BT25  | 57   | EA13  | 42   | EL127    | 48   | EL186    | 44   | PA124 | 26   | PA293 | 18   | PA394 | 13   | PA59  | 19   |      |      |      |      |
| 90502 | 59   | BT26  | 57   | EA15  | 42   | EL129    | 55   | EL187    | 44   | PA125 | 33   | PA294 | 18   | PA395 | 14   | PA60  | 25   |      |      |      |      |
| 90503 | 59   | BT27  | 57   | EA16  | 42   | EL13     | 54   | EL19     | 54   | PA127 | 33   | PA295 | 18   | PA40  | 39   | PA64  | 33   |      |      |      |      |
| 90504 | 59   | CC01  | 43   | EA17  | 42   | EL130    | 55   | EL190    | 51   | PA133 | 25   | PA296 | 18   | PA405 | 15   | PA65  | 33   |      |      |      |      |
| 91038 | 61   | CC02  | 43   | EA24  | 42   | EL131    | 47   | EL191    | 51   | PA139 | 14   | PA298 | 18   | PA406 | 15   | PA68  | 33   |      |      |      |      |
| 91041 | 61   | CC03  | 43   | EA25  | 42   | EL132    | 47   | EL192    | 51   | PA140 | 31   | PA299 | 18   | PA408 | 29   | PA69  | 33   |      |      |      |      |
| 91042 | 61   | CC04  | 43   | EA29  | 43   | EL133    | 49   | EL193    | 51   | PA141 | 31   | PA30  | 33   | PA410 | 29   | PA74  | 29   |      |      |      |      |
| 91043 | 61   | CC05  | 43   | EA30  | 43   | EL134    | 50   | EL194    | 51   | PA147 | 24   | PA300 | 13   | PA412 | 20   | PA83  | 30   |      |      |      |      |
| 91136 | 60   | CC06  | 43   | EA31  | 43   | EL135    | 52   | EL195    | 51   | PA15  | 33   | PA301 | 13   | PA414 | 20   | PA85  | 30   |      |      |      |      |
| 91138 | 60   | CC07  | 43   | EA33  | 44   | EL136    | 52   | EL196    | 59   | PA16  | 22   | PA302 | 13   | PA418 | 25   | PA87  | 32   |      |      |      |      |
| 91139 | 60   | CC08  | 43   | EA34  | 44   | EL138    | 52   | EL197    | 50   | PA160 | 26   | PA303 | 13   | PA419 | 11   | PA88  | 32   |      |      |      |      |
| 91140 | 60   | CC10  | 43   | EA35  | 44   | EL139    | 50   | EL199    | 50   | PA162 | 26   | PA304 | 13   | PA420 | 12   | SM01  | 58   |      |      |      |      |
| 91141 | 60   | CC11  | 43   | EA36  | 44   | EL14     | 54   | EL20     | 54   | PA164 | 26   | PA305 | 13   | PA421 | 12   | SM02  | 58   |      |      |      |      |
| 91474 | 60   | CC12  | 43   | EA37  | 44   | EL140    | 52   | EL200    | 50   | PA166 | 27   | PA306 | 13   | PA422 | 14   | SM03  | 58   |      |      |      |      |
| 91476 | 60   | CC13  | 43   | EA38  | 43   | EL141    | 52   | EL201    | 50   | PA168 | 27   | PA307 | 14   | PA423 | 15   | SM10  | 58   |      |      |      |      |
| 91477 | 60   | CC14  | 43   | EA39  | 44   | EL142    | 45   | EL21     | 48   | PA169 | 31   | PA308 | 13   | PA424 | 15   | TA48  | 39   |      |      |      |      |
| 91487 | 61   | CC15  | 43   | EA40  | 56   | EL143    | 48   | EL22     | 45   | PA17  | 33   | PA309 | 14   | PA426 | 23   | TA49  | 39   |      |      |      |      |
| 91488 | 61   | CC17  | 43   | EA41  | 56   | EL144    | 49   | EL23     | 45   | PA170 | 31   | PA31  | 39   | PA427 | 23   | VE01  | 34   |      |      |      |      |
| 91489 | 61   | CO01  | 9    | EA46  | 44   | EL145    | 49   | EL24     | 45   | PA171 | 31   | PA311 | 14   | PA428 | 22   | VE02  | 34   |      |      |      |      |
| 91492 | 60   | CO02  | 9    | EA48  | 53   | EL146    | 49   | EL25     | 48   | PA174 | 31   | PA312 | 14   | PA429 | 23   | VE04  | 34   |      |      |      |      |
| 93324 | 58   | CO03  | 9    | EA53  | 43   | EL147    | 50   | EL26     | 48   | PA175 | 31   | PA315 | 15   | PA431 | 32   | VE05  | 34   |      |      |      |      |
| 93325 | 58   | CO04  | 9    | EA54  | 43   | EL148    | 50   | EL27     | 48   | PA18  | 17   | PA316 | 15   | PA432 | 32   | VE06  | 34   |      |      |      |      |
| 93326 | 58   | CO05  | 9    | EA55  | 44   | EL15     | 54   | EL28     | 45   | PA185 | 27   | PA32  | 39   | PA433 | 30   | VE07  | 34   |      |      |      |      |
| 93327 | 58   | CO06  | 10   | EA56  | 44   | EL153    | 50   | EL29     | 54   | PA186 | 27   | PA325 | 18   | PA434 | 30   | VE08  | 34   |      |      |      |      |
| 93328 | 58   | CO08  | 10   | EA57  | 44   | EL155    | 56   | EL31     | 52   | PA19  | 17   | PA326 | 18   | PA435 | 30   | VE09  | 34   |      |      |      |      |
| 93329 | 59   | CO09  | 10   | EA58  | 44   | EL156    | 56   | EL32     | 53   | PA20  | 17   | PA327 | 19   | PA436 | 30   | VE10  | 34   |      |      |      |      |
| 93330 | 59   | CO10  | 10   | EA59  | 44   | EL157    | 46   | EL33     | 53   | PA201 | 39   | PA328 | 19   | PA441 | 20   | VE11  | 34   |      |      |      |      |
| 93331 | 59   | CO11  | 9    | EA68  | 42   | EL157-10 | 46   | EL38     | 55   | PA203 | 39   | PA329 | 19   | PA442 | 20   | VE12  | 34   |      |      |      |      |
| 93332 | 59   | CO12  | 9    | EA69  | 42   | EL157-5  | 46   | EL39     | 55   | PA21  | 17   | PA33  | 31   | PA443 | 20   | VE13  | 34   |      |      |      |      |
| 93473 | 59   | CO13  | 11   | EA70  | 42   | EL158    | 46   | EL40     | 55   | PA22  | 24   | PA330 | 19   | PA458 | 22   | VE15  | 34   |      |      |      |      |
| 93474 | 59   | CO14  | 11   | EA71  | 42   | EL158-10 | 46   | EL41     | 49   | PA23  | 33   | PA331 | 19   | PA459 | 22   | VE16  | 34   |      |      |      |      |
| 93475 | 58   | CO19  | 11   | EA72  | 42   | EL158-5  | 46   | EL81     | 53   | PA234 | 19   | PA332 | 20   | PA462 | 32   | VE27  | 34   |      |      |      |      |
| 93476 | 58   | CO20  | 11   | EA73  | 42   | EL159    | 46   | EL91     | 54   | PA235 | 19   | PA333 | 20   | PA465 | 32   | VE33  | 34   |      |      |      |      |
| 93477 | 58   | CO24  | 10   | EA74  | 42   | EL159-10 | 46   | EL92     | 54   | PA236 | 19   | PA334 | 29   | PA49  | 32   | VE34  | 34   |      |      |      |      |
| 93478 | 59   | CO25  | 10   | EA77  | 56   | EL159-5  | 46   | EL93     | 56   | PA237 | 19   | PA335 | 29   | PA494 | 29   | VE35  | 34   |      |      |      |      |
| 93479 | 59   | CO26  | 9    | EA78  | 42   | EL16     | 55   | EL94     | 56   | PA238 | 24   | PA336 | 29   | PA495 | 29   | VE36  | 34   |      |      |      |      |
| 93480 | 58   | CO27  | 9    | EA79  | 42   | EL160    | 46   | EL95     | 55   | PA239 | 24   | PA337 | 29   | PA496 | 31   | VE40  | 34   |      |      |      |      |
| 93481 | 58   | CO28  | 9    | EA80  | 42   | EL160-2  | 46   | EL96     | 55   | PA24  | 24   | PA338 | 29   | PA497 | 31   | VE41  | 34   |      |      |      |      |
| 93482 | 58   | CO29  | 10   | EA81  | 42   | EL160-5  | 46   | FC31     | 15   | PA240 | 25   | PA343 | 29   | PA500 | 32   | VE42  | 34   |      |      |      |      |
| 93483 | 58   | CO30  | 10   | EA82  | 42   | EL163    | 46   | FC32     | 15   | PA241 | 22   | PA344 | 25   | PA501 | 32   | VE43  | 34   |      |      |      |      |
| 93486 | 59   | CO31  | 10   | EA84  | 62   | EL163-10 | 46   | FC36     | 15   | PA242 | 22   | PA345 | 25   | PA502 | 32   | VE50  | 35   |      |      |      |      |
| 93487 | 59   | CO32  | 11   | EA87  | 42   | EL163-2  | 46   | MI06     | 28   | PA243 | 22   | PA350 | 33   | PA503 | 12   | VE51  | 35   |      |      |      |      |
| 93518 | 59   | CO33  | 11   | EA91  | 62   | EL164    | 46   | MI14     | 28   | PA244 | 22   | PA351 | 33   | PA504 | 12   | VE52  | 35   |      |      |      |      |
| 93528 | 61   | CO34  | 11   | EA94  | 63   | EL164-10 | 46   | MI15     | 28   | PA245 | 14   | PA352 | 33   | PA505 | 12   | VE53  | 35   |      |      |      |      |
| 93529 | 61   | CO35  | 11   | EA96  | 63   | EL164-5  | 46   | MI26     | 28   | PA246 | 18   | PA353 | 33   | PA506 | 30   | VE54  | 35   |      |      |      |      |
| 93530 | 61   | CO36  | 11   | EA97  | 63   | EL165    | 46   | MI32     | 28   | PA247 | 18   | PA354 | 33   | PA507 | 12   | VE55  | 35   |      |      |      |      |
| 93531 | 61   | CO37  | 10   | EA99  | 63   | EL165-10 | 46   | PA01     | 16   | PA248 | 18   | PA355 | 33   | PA508 | 12   | VE60  | 36   |      |      |      |      |
| 93532 | 61   | CO40  | 9    | EL01  | 53   | EL165-5  | 46   | PA02     | 16   | PA249 | 18   | PA357 | 24   | PA509 | 12   | VE61  | 36   |      |      |      |      |
| 93533 | 61   | CO41  | 9    | EL02  | 52   | EL166    | 46   | PA04     | 12   | PA25  | 24   | PA358 | 22   | PA51  | 27   | VE72  | 36   |      |      |      |      |
| 93534 | 61   | CO42  | 11   | EL03  | 49   | EL166-10 | 46   | PA05     | 23   | PA252 | 11   | PA360 | 35   | PA510 | 15   | YS01  | 8    |      |      |      |      |
| 93535 | 60   | CO45  | 9    | EL04  | 50   | EL166-5  | 46   | PA06     | 11   | PA253 | 11   | PA361 | 35   | PA511 | 15   | YS02  | 8    |      |      |      |      |
| 93536 | 60   | CO456 | 9    | EL06  | 52   | EL167    | 46   | PA07     | 11   | PA254 | 13   | PA362 | 36   | PA512 | 15   | YS06  | 8    |      |      |      |      |
| 93537 | 60   | CO47  | 11   | EL07  | 52   | EL167-10 | 46   | PA08     | 27   | PA255 | 22   | PA363 | 36   | PA513 | 15   | YS07  | 8    |      |      |      |      |
| 93538 | 60   | CW66  | 29   | EL08  | 52   | EL167-5  | 46   | PA09     | 33   | PA256 | 32   | PA364 | 36   | PA514 | 15   | YS08  | 8    |      |      |      |      |
| 93539 | 60   | CX01  | 47   | EL09  | 53   | EL168    | 46   | PA10     | 12   | PA257 | 33   | PA365 | 36   | PA515 | 16   | YS09  | 8    |      |      |      |      |
| 93540 | 60   | CX02  | 47   | EL10  | 48   | EL168-10 | 46   | PA105    | 26   | PA262 | 35   | PA366 | 36   | PA516 | 16   | YS12  | 8    |      |      |      |      |
| 93548 | 61   | CX03  | 47   | EL101 | 54   | EL168-25 | 46   | PA106    | 22   | PA263 | 35   | PA367 | 37   | PA517 | 16   | YS13  | 8    |      |      |      |      |
| 93811 | 61   | CX04  | 47   | EL103 | 54   | EL169    | 46   | PA107    | 22   | PA264 | 35   | PA368 | 37   | PA518 | 16   | YS23  | 8    |      |      |      |      |
| 93812 | 59   | CX06  | 47   | EL105 | 55   | EL169-10 | 46   | PA108    | 22   | PA265 | 35   | PA369 | 37   | PA520 | 11   | YS24  | 8    |      |      |      |      |
| BT01  | 47   | CX07  | 47   | EL106 | 54   | EL169-25 | 46   | PA109    | 23   | PA266 |      |       |      |       |      |       |      |      |      |      |      |

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## NOTES

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