

Guide to steel rainwater system components



Gutters & fittings

Gutters

R – Half Round Gutter

- Roll formed 0.6mm steel with bead stiffened fronts
- Can be joined using RSK gutter joint or roll joint method
- Supplied in 3m lengths as standard
- Also available in 2m or 1m shorter lengths



RER – Rectangular Gutter

- 0.6mm steel box gutter with front lip detail
- Joined using RERSK gutter joint
- Supplied in 3m lengths as standard



Gutter joints

Used to join gutters or gutter angles

RSK – Gutter Joint with Rubber Seal

- Designed with click and lock mechanism for easy installation
- Built in EPDM rubber gasket
- Doesn't require sealant or screws
- Hinge now strengthened



RERSK – Rectangular Gutter Joint with Rubber Seal

Guidance document available on request

- For use with rectangular gutters
- Includes central marks to aid with gutter positioning
- Built in EPDM rubber gasket
- Doesn't require sealant or screws



Stopends

Required for each end of a gutter run

RG – Self-Locking Stop End

- Universal left and right handed, surplus ear should be removed
- Push fits around the outside of the gutter
- Built in EPDM rubber seal, doesn't require sealant or screws



RGV – Left Hand Stop End

- Required for 190mm gutters
- Fits to left hand end only
- Sits inside gutter end, fitted using roll joint method
- It is recommended that sealant is used



RGH – Right Hand Stop End

- Required for 190mm gutters
- Fits to right hand end only
- Sits inside gutter end, fitted using roll joint method
- It is recommended that sealant is used



RERGV – Left Hand Rectangular Stop End

- For use with rectangular gutters
- Fits to left hand end only
- Sits inside gutter end
- It is recommended that sealant is used



RERGH – Right Hand Rectangular Stop End

- For use with rectangular gutters
- Fits to right hand end only
- Sits inside gutter end
- It is recommended that sealant is used



Gutter angles

Used to continue gutter line around a corner

- **Universal left and right handed**
- **Require 2 RSK gutter joints**

RVI – Internal Gutter Angle

- Required for roof features such as recesses or extensions
- Available to fit 90° or 135° corners
- Alternative angles can be manufactured on request



RVY – External Gutter Angle

- Required for roof types such as hipped or cross-gable
- Available to fit 90° or 135° corners
- Alternative angles can be manufactured on request



RERVI – Internal Rectangular Gutter Angle

- For use with rectangular gutters
- Required for roof features such as recesses or extensions
- Available to fit 90° or 135° corners



RERVY – External Rectangular Gutter Angle

- For use with rectangular gutters
- Required for roof types such as hipped or cross-gable
- Available to fit 90° or 135° corners



Gutter outlets

Used to connect gutters to downpipes

OMV – Gutter Outlet

- Can be positioned at any point along the length of the gutter
- Click fit for easy installation
- Requires hole to be created in the gutter



OK – Gutter Outlet

- For 190mm gutters or to fit 75mm pipes to 150mm gutters
- Can be positioned at any point along the length of the gutter
- Uses flex-fit flaps to secure
- Requires hole to be created in the gutter



REOK – Rectangular Nozzle

- For use with rectangular gutters
- Can be positioned at any point along the length of the gutter
- Uses flex-fit flaps to secure
- Requires hole to be created in the gutter



Fascia brackets

Used for securing gutters by fixing to fascia boards

- **Recommended maximum 800mm interval spacing**
- **Should be installed to create fall of 10mm per 3.0m run**

KFK – Fascia Bracket

- Most popular fascia bracket for UK installations
- Solid 5mm steel structure
- 1 standard screw hole and 1 oval hole to allow precise fixing adjustments



KPK – Lightweight Fascia Bracket

- Folded steel lightweight design
- Reduced metal content
- More environmentally friendly
- 4 oval fixing holes to allow precise fixing adjustments



K24 – 240mm Flex-Fit Fascia Bracket

- Extended 240mm bracket for larger gutters
- Uses flexible clips to hold the gutter in place
- 4 screw holes offer more secure fixing



K07 – 70mm Flex-Fit Fascia Bracket

- 70mm bracket with 2 screw holes
- Uses flexible clips to hold the gutter in place
- Clips attached with stainless steel rivets



SSK – Adjustable Fascia Bracket

- For use on angled fascia boards
- Locks in place at 7°, 14°, 18°, 22°, 27°, 38° or 45° angle
- Now with fixed hook front
- Requires 1 fixing screw per bracket



REK07 – Rectangular 70mm Flex-Fit Fascia Bracket

- For use with rectangular gutter
- 70mm bracket with 2 screw holes
- Uses flexible clips to hold the gutter in place
- Clips attached with stainless steel rivets



Rafter brackets

Used for securing gutters by fixing to roof rafters

- **Recommended maximum 800mm interval spacing**
- **Should be installed to create fall of 10mm per 3.0m run**
- **Should be bent to required angle using KBO bracket bender**

KFL – 200mm Rafter Bracket

- Most popular bracket for UK installations
- Solid 5mm steel, 25mm wide rafter bar with 4 fixing holes
- Can be supplied bent or twisted for side fixing for additional charge of £2 per bracket



KFM – 150mm Rafter Bracket

- Shorter rafter bar is preferred for refurbishment installations
- Solid 5mm steel, 25mm wide rafter bar with 4 fixing holes
- Can be supplied bent or twisted for side fixing for additional charge of £2 per bracket



KFL35 – 350mm Rafter Bracket

- Longer rafter bar can provide more secure fixing
- Solid 5mm steel, 25mm wide rafter bar with 4 fixing holes
- Can be supplied bent or twisted for side fixing for additional charge of £2 per bracket



Flex-fit rafter brackets

Used for securing gutters by fixing to roof rafters

- **Recommended maximum 800mm interval spacing**
- **Should be installed to create fall of 10mm per 3.0m run**
- **Should be bent to required angle using KBO bracket bender**

K16 – 160mm Flex-Fit Rafter Bracket

- Uses flexible clips, attached with stainless steel rivets, to hold the gutter in place
- Solid 5mm, steel 25mm wide rafter bar with 4 fixing holes
- Can be supplied bent or twisted for side fixing for additional charge of £2 per bracket



K21 – 210mm Flex-Fit Rafter Bracket

- Uses flexible clips, attached with stainless steel rivets, to hold the gutter in place
- Solid 5mm, steel 25mm wide rafter bar with 4 fixing hole
- Can be supplied bent or twisted for side fixing for additional charge of £2 per bracket



K33 – 330mm Flex-Fit Rafter Bracket

- Uses flexible clips, attached with stainless steel rivets, to hold the gutter in place
- Solid 6mm, steel 30mm wide rafter bar with 4 fixing holes
- Can be supplied bent or twisted for side fixing for additional charge of £2 per bracket



REK21 – Rectangular 210mm Flex-Fit Rafter Bracket

- Uses flexible clips to hold the gutter in place
- Clips attached with stainless steel rivets
- Solid 5mm, steel 25mm wide rafter bar with 4 fixing holes



Rise & fall brackets

Used for securing gutters by driving into the wall

- **Recommended maximum 800mm interval spacing**
- **Should be installed to create fall of 10mm per 3.0m run**

RFKF – Rise & Fall Bracket

- Solid 5mm steel bracket with fixing nut
- 250mm threaded bar used to adjust gutter level
- 300mm spike used for drive in fixing to wall
- Threaded bar and spike require paint after installation



Radius gutter brackets

Used for fixing gutter sections to fit a curved roofline

RSKR- Radius Gutter Bracket

Guidance document available on request

- Combined gutter joint and fascia bracket
- 4° alignment deviation tolerance at each joint
- Requires 2 fixing screws per bracket
- Built in EPDM rubber gasket



Gutter accessories

STAG – Stay Strap

- Used to provide added stability to gutters in areas subject to adverse weather conditions
- Clips to rolled front of gutter
- 5 fixing holes to secure to the roof



OSKR – Straight Overflow Protector

- Used to reduce gutter overflow at high flow sections
- Can be retro-fitted to gutter
- Hooks over gutter bead to secure
- Hooks attached with stainless steel rivets



OSK – Corner Overflow Protector

- Used to reduce gutter overflow at high flow corner sections
- Can be retro-fitted to gutter
- Hooks over gutter bead to secure
- Hooks attached with stainless steel rivets



LGB – Leafline Gutter Brush

- Used to catch leaves whilst allowing water to flow
- Supplied in 3m lengths
- No fastenings are required, cable ties may be preferred in high wind areas
- Stainless steel wire core with polypropylene bristles.



GRID – Gutter Leaf Guard (HD Polythene)

- Used to create a cover to prevent leaf blockage
- Supplied in 10m roll with 23 clips
- Clips are available in Black or White
- Additional clips can be purchased



Pipes & fittings

Pipes

SROR – Downpipe

- Roll formed 0.6mm steel with solid seam (0.7mm for 120mm pipes)
- Hidden male/female joint, sockets are not required
- Supplied in 3m lengths as standard
- Also available in 2.5m or 1m shorter lengths



MST – Intermediate Pipe

- Typically used to make an offset with >100mm projection
- 1m length option supplied with double spigot male ends
- Can be cut to make two short pipes
- 0.5m length option supplied with male/female ends



MSTRA – Rod Access Pipe

- Used to provide access for maintenance rod to remove pipe blockages
- Supplied in 1m length with double spigot male ends
- Second spigot can be removed if not required
- Steel door can be unlocked and removed using plastics handles



PRT – Sliding Pipe

- Used with an RT Drain Trap
- Provides easy access for cleaning
- Fits outside the down pipe



Visit our website for the latest product updates:

www.lindab.co.uk/rainline



Pipe brackets

Used for fixing pipes to the wall

- Recommended maximum 1.5m interval spacing

NEW

SSVU – Universal Pipe Bracket

- Can be used to screw fix pipes to the wall or used with SST Spike for drive-in fixing
- Easy click function secures pipe in place
- Required 2 screws or spike for fixing



SVHA – Down Pipe Bracket

- Required for plain galvanised, Aluzinc or natural copper systems
- Used to screw fix pipes to the wall
- Wedge is used to secure pipe into place
- Requires 2 screws for fixing



SV – Pipe Holder (for Spike)

- Required for plain galvanised, Aluzinc or natural copper systems
- Used to attach pipe to spike fixed into the wall
- Wedge is used to secure pipe into place
- When pipe holder is closed the spike locks in place
- Spike is ordered separately



SST – Spike (for Pipe Holder)

- Used with pipe holder to fix pipe to the wall
- Spike is ordered separately, supplied in plain galvanised finish only
- Available in 125mm, 175mm, 250mm and 300mm lengths
- When pipe holder is closed the spike locks in place



Hoppers

Used with outlet spouts or to maximise pipe flow rate

IMPROVED VATKR – Regular Water Hopper

- Used at the head of a pipe that doesn't directly connect to a gutter
- Rectangular front with square sides
- 250 x 150 x 150mm



VATKL – Large Water Hopper

- Used with high flow outlet spouts or where multiple gutters meet
- Square top with inverted pyramid sides
- 260 x 260 x 290mm



Bends

Used for offsetting pipe stacks and traversing facade features

BK – Conical pipe bend

- Conical shape provides clean line while allowing male/female connection
- Top is perfect fit for outlets or male spigot ends of pipes
- Bottom fits directly into standard pipe
- Available in 45°, 70° and 85° variations



BM – Pipe bend with socket

- Traditional socket allows male/female connection
- Top will fit directly to a cut end of a standard pipe
- Bottom fits directly into standard pipe
- Available in 45°, 70° and 85° variations



SOKN – One-Piece Offset

- Used to offset a pipe stack usually to join to a gutter outlet or to traverse a plinth
- Set 100mm projection
- Longer offsets can be assembled using bends and cut down pipes (see page 19)



Shoes

Used at the bottom of a pipe stack

UTK – Pipe Shoe

- Angled pipe shoe used to discharge water into a drain or grate
- Socket fits directly to pipe
- Rolled rim ensures no sharp edges



BUTK – Drain Shoe

- Used to connect a pipe directly to a ground drain pipe
- Fits outside the down pipe
- Cover sits over drain pipe
- Can be lifted to provide maintenance access



RT – Drain Trap (HD Polythene)

- Used to prevent leaves and other blockages entering the drain
- Connects to 100mm drain pipe
- Should be used with PRT sliding pipe to allow cleaning



SLS – Self Cleaning Leaf Trap (HD Polythene)

- Used to filter leaves and other blockages from the drain pipe
- Angled design allows rainwater to clean the filter
- Connects to 100mm drain pipe
- Can be used with a BUTK Drain Shoe to fit 75mm or 87mm pipes



Connectors

GROR – Branch

- Used to merge a second pipe run into a pipe stack
- Branch can be positioned between 50° and 80°
- Standard branch will connect equal pipe diameters
- Unequal branches are available which will fit pipes with smaller diameters



SRORM – Pipe Connector

- Used to connect two pipes if the male spigot has been removed
- Allows pipe offcuts to be used
- Provides male/female connection



MRT – Drain Connector (HD Polythene)

- Used to directly connect to a ground drain pipe
- Stepped design fits to multiple sizes
- Fits up to 100mm down pipes and drain pipes



SLAS – Hose Connector

- Used to connect pipe directly to a hose
- Only available in 87mm
- Fits to 80mm hose



Diverters

Used to collect water in a water butt

FUTK – Adjustable Diverter

- Outlet spout manually opens and closes
- Spout attached with stainless steel rivets
- Fits directly to pipe stack



RWDK – Rainwater Diverter Kit (HD Polythene)

- Plastic components divert water through flexible hose
- 2 screw holes for wall fixing
- Fits to 75mm or 87mm pipe stacks



Vandal reinforced pipes & fittings

Used in high traffic areas

- **Made of 2mm hot-dip galvanised steel or 1.5 mm stainless steel plate**
- **Can be connected to standard drain pipe using BUTK Drain Shoe**

IMPROVED VSLS – Reinforced Leaf Trap

- Used to filter leaves and other blockages from the drain pipe
- Angled design allows rainwater to clean the filter
- Filter is stainless steel
- Fits to ground drain pipe



IMPROVED VSLS – Reinforced Pipe with Leaf Trap

- Available in 850mm or 2m lengths
- Includes stainless steel SLS leaf trap filter
- Leaf trap can be raised on 2m option, out of reach of children
- Integrated stainless steel brackets
- Fits to ground drain pipe



VUTK – Reinforced Pipe with Shoe

- Used to discharge water into a drain or grate
- Available in 850mm or 2m lengths
- Includes UTK shoe outlet
- Integrated stainless steel brackets



Accessories

DVSIL – Leaf Filter

- Used to filter leaves and other blockages from the drain pipe
- Sits inside drain pipe, suspended by hooks
- Usually used with BUTK Drain Shoe for cleaning
- Made from stainless steel



STIFT – Touch Up Paint

- Used to protect metal exposed during installation
- Drill holes, cut edges or scratches should be touched up
- Available to match all standard painted finishes
- Supplied in 12ml bottle with applicator brush



BF – Touch Up Paint

- Used for installation or maintenance touch up
- Supplied in 250ml tins
- Available to match all standard painted finishes
- Applicable COSHH sheets are available



KBO – Bracket Bender

- Used to bend rafter brackets to required angle*
- *Brackets can be supplied pre-bent for an additional charge



Contact us to find out about our RIBA approved CPD seminars. Email: rainline@lindab.co.uk