



Speciality Plumbing Supplies Pty Ltd

A.C.N. 001 543 406

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PRODUCT CATALOG – REVISION 5

All SPS drains have been designed in Australia for Australian conditions and for Australian construction methods.

CONTENTS:

- Section 1:** Rainwater Outlets (“RWOs”)
- Section 2:** Domestic, Push-in and Retro-fit Drains
- Section 3:** Vari-level Drains - Vertical Outlets
- Section 4:** Vari-level Drains - Balcony & Side Outlets
- Section 5:** Vinyl Floor Wastes
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- Section 7:** Cleanouts - Inspection Points - Boundary Traps
- Section 8:** Security Drains
- Section 9:** Specials / Miscellaneous
- Appendix:** Flow Rate Information

Disclaimer:

All information contained in this catalogue is current as at 1 July 2017. SPS reserves the right to change product specifications - designs - components or associated services at any time without notice. The information contained in this catalogue does not form part of the terms of any contract of sale or constitute the description of any product or service supplied by SPS. Prior to purchasing or specifying - please contact SPS for any updates or modifications to current products or services. These drawings are for illustrative purposes only and are not to scale.

SECTION 1

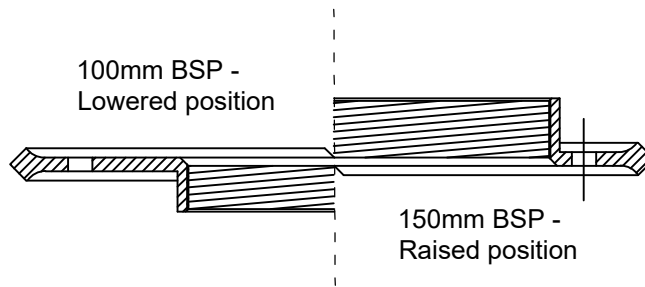
Rainwater Outlets (RWO's)

		<u>To suit pipe (mm):</u>
1.01	Truflo vertical – All-purpose RWO	80, 100 & 150
1.02	Truflo vertical – Class D Flat Grate	80, 100 & 150
1.03	Truflo vertical – Flat Grate & Membrane Clamp	80, 100 & 150
1.04	Truflo vertical – Dome Grate & Membrane Clamp	80, 100 & 150
1.05	Truflo vertical – Planter Box Assembly	80, 100 & 150
1.06	Truflo 90° – Class D Flat Grate	80 & 100
1.07	Truflo 90° – Flat Grate & Membrane Clamp	80 & 100
1.08	Truflo 90° – Dome Grate & Membrane Clamp	80 & 100
1.09	Truflo 90° – Planter Box Assembly	80 & 100
1.10	Superflo – Class D Flat Grate	150
1.11	Superflo – Flat or Dome Grate & Membrane Clamp	150
1.12	“Shallow-flo” Push-in RWOs (USE WITH CAUTION)	100
1.13	Parapet Drain	50, 80 & 100

The SPS All-Purpose "Truflo" RWO Body

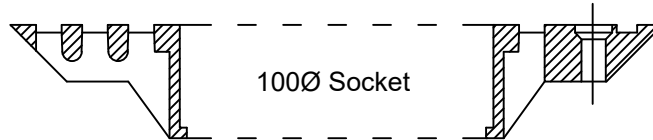
If a 100mm or 150mm Truflo RWO body is cast into the slab, it can be adapted for the following 5 applications:

5.



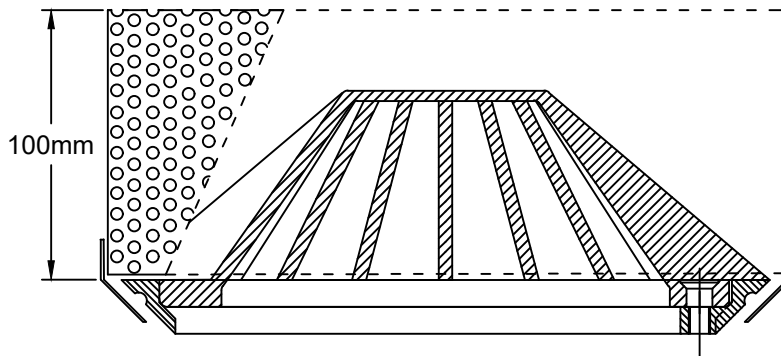
With 100mm or 150mm reversible clamping collar, for vari-level floor drains.

4.



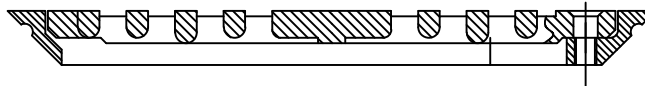
With special PVC "planter box" fitting, for planter boxes.

3.



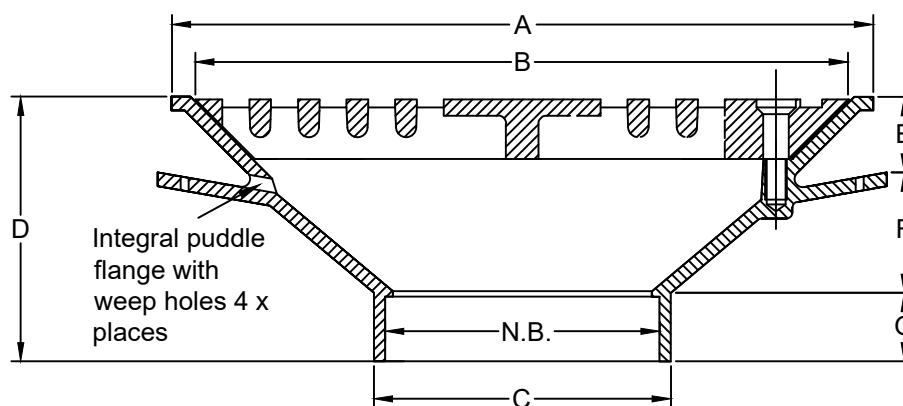
With dome grate and membrane ring, for roof slabs (note: optional gravel guard partially illustrated).

2.



With flat grate and membrane ring, for membraned slabs (eg roof decks & some plant rooms).

1.



With Class D flat grate, for non-waterproofed slabs (eg car park decks).

Dimensions (mm)

N.B	A	B	C	D	E	F	G
100	260	240	110	98	28	45	25
150	260	240	160	90	28	37	25

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SPS Truflo 100mm & 150mm RWO with Class D Heavy-Duty Flat Grate

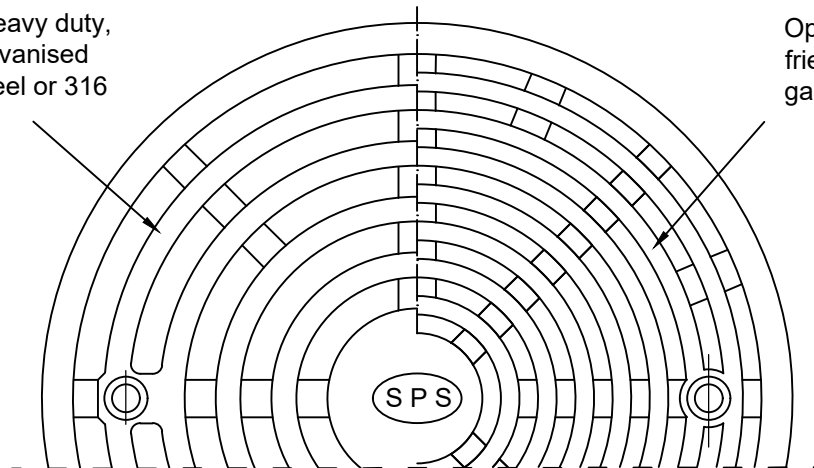
Specification codes:

TIA100F (100mm CI body, galvanised flat grate)
TIA150F (150mm CI body, galvanised flat grate)
TBS100F (100mm bronze body, 316SS flat grate)
TBS150F (150mm bronze body, 316SS flat grate)
- for 80mm outlet, use "100/80" instead of "100"

Suggested applications:

Car park decks
Plant rooms

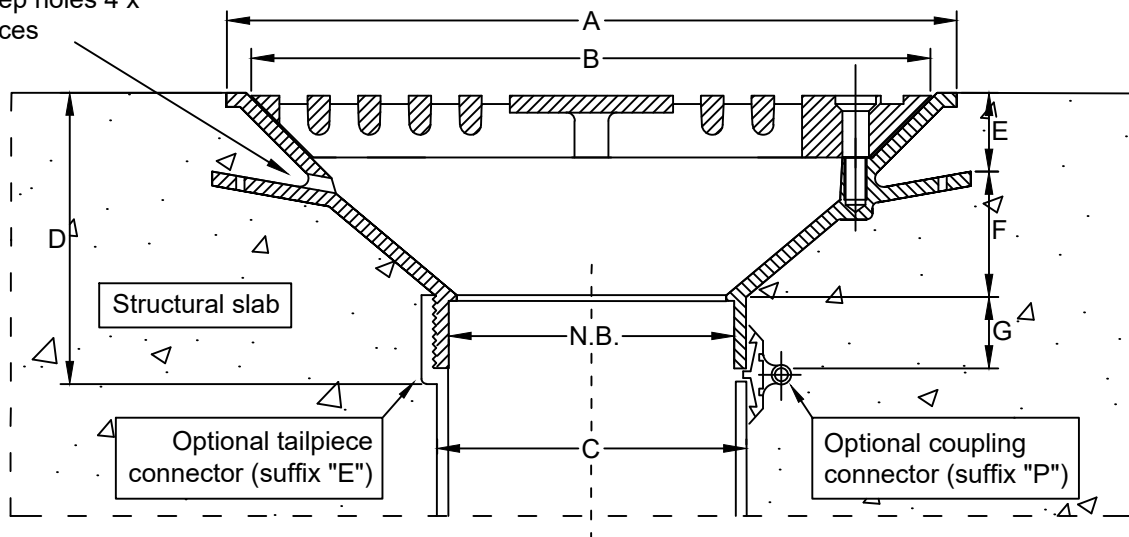
Flat grate in heavy duty,
hot-dipped galvanised
mid-carbon steel or 316
stainless steel



Optional high-heel
friendly pattern (6mm
gaps) use suffix -F

Load-tested to Class D of AS3996-2006

Integral puddle
flange with
weep holes 4 x
places



Dimensions (mm)

N.B	A	B	C	D	E	F	G
80	260	240	82	106	28	45	25
100	260	240	103	106	28	45	25
150	260	240	151	86	28	37	25

*For flow rate data please refer to appendix.

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SPS Truflo 80, 100 & 150mm RWO with Flat Grate & Membrane Clamp

Specification codes:

TIA100F2 (CI body, aluminium flat grate & membrane ring)

TIB100F2 (CI body, bronze flat grate & membrane ring)

TBA100F2 (all-bronze assembly)

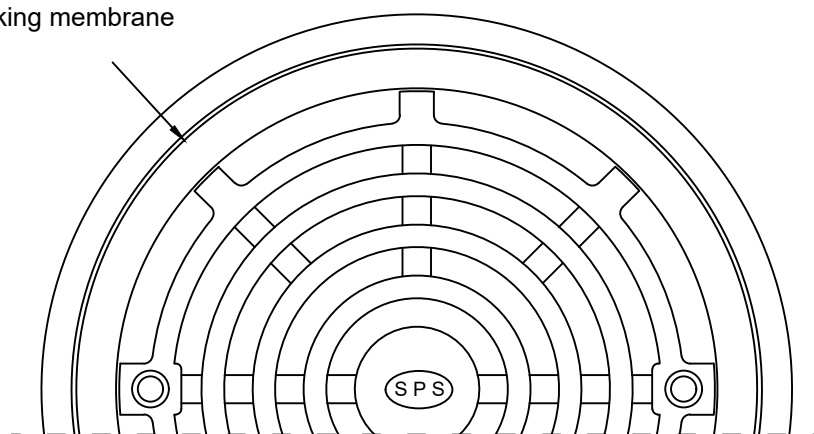
- for 80mm outlet, use "100/80" instead of "100"

- for 150mm outlet, use "150" instead of "100"

Suggested application:

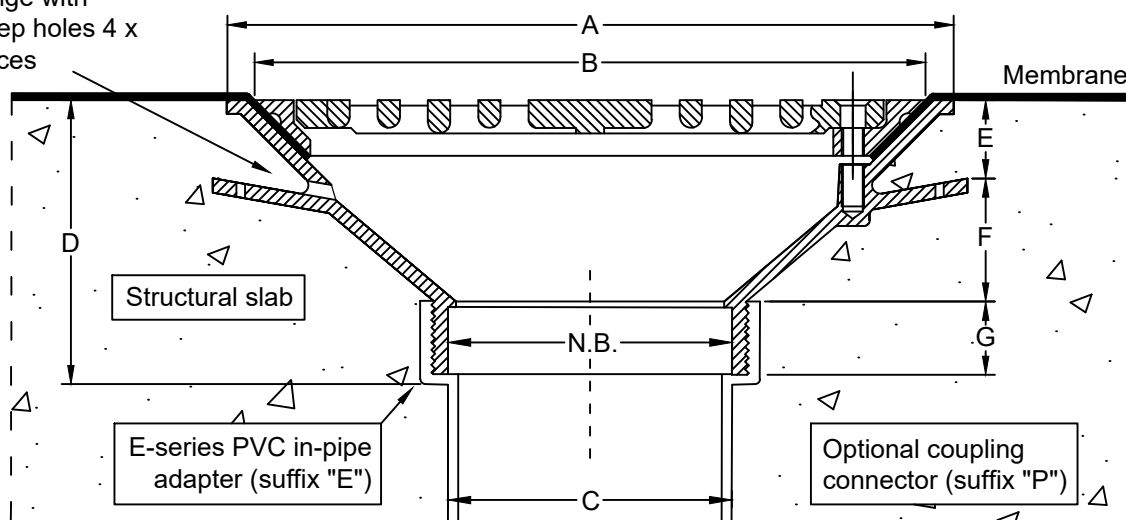
Membraned floors or roofs with no further topping, eg planter boxes, plant rooms, roof decks.

Membrane ring fastens to body independently of grate to allow access to sump without breaking membrane seal.



Load Class A - AS 3996-2006

Integral puddle flange with weep holes 4 x places



Dimensions (mm)

N.B	A	B	C	D	E	F	G
80	260	240	82	106	28	45	25
100	260	240	103	106	28	45	25
150	260	240	151	86	28	37	25

*For flow rate data please refer to appendix.

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SPS Truflo 100mm & 150mm RWO with Dome Grate & Membrane Clamp

Specification codes:

TIA100D2 (CI body, aluminium dome grate & membrane ring)

TIB100D2 (CI body, bronze dome grate & membrane ring)

TBA100D2 (all-bronze assembly)

- for 80mm outlet, use "100/80" instead of "100"

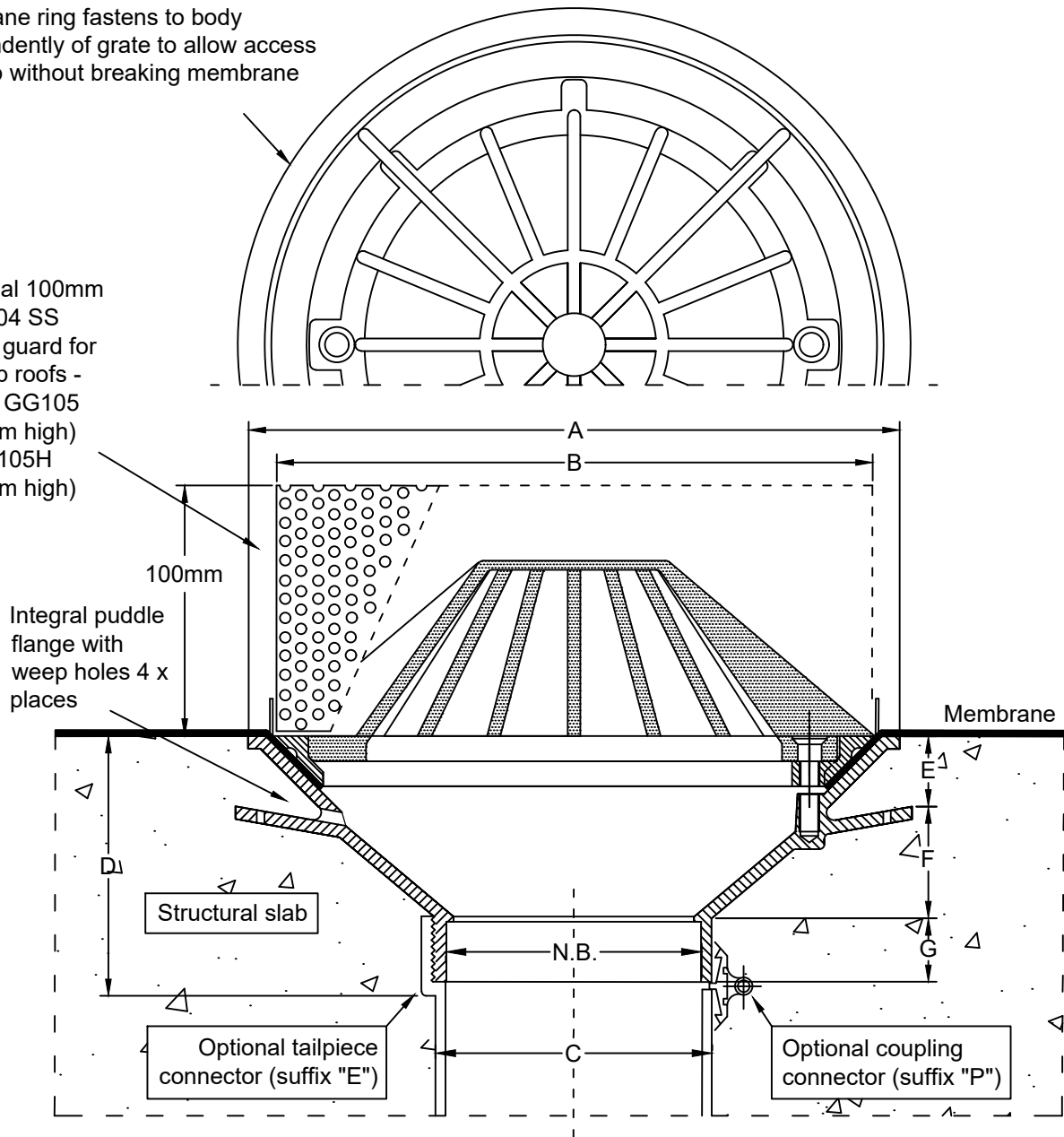
- for 150mm outlet, use "150" instead of "100"

Suggested application:

Roof decks

Membrane ring fastens to body independently of grate to allow access to sump without breaking membrane seal.

Optional 100mm high 304 SS gravel guard for built-up roofs - code - GG105 (100mm high) or GG105H (150mm high)



Dimensions (mm)

N.B	A	B	C	D	E	F	G
80	260	240	82	106	28	45	25
100	260	240	103	106	28	45	25
150	260	240	151	86	28	37	25

*For flow rate data please refer to appendix.

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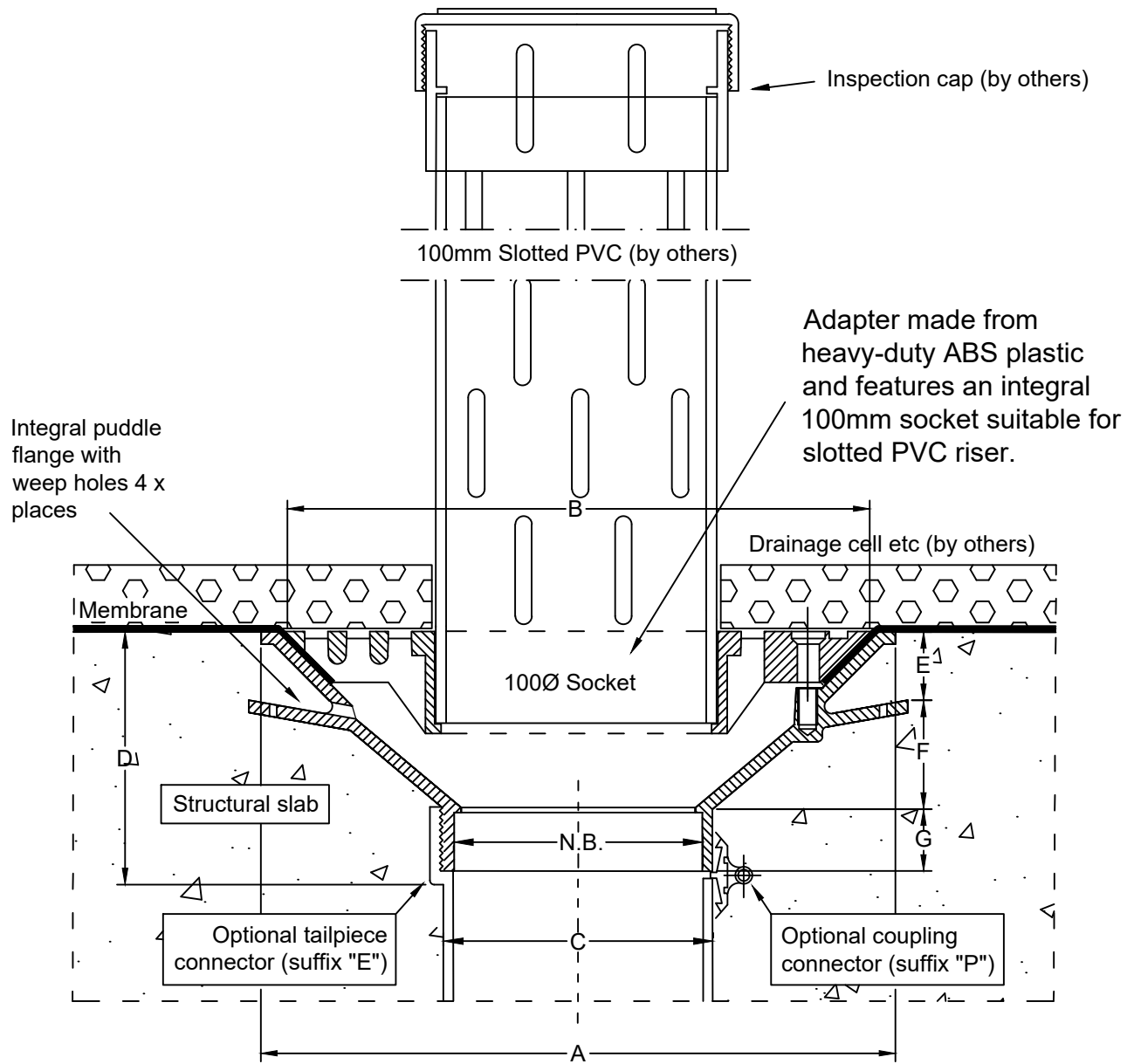
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SPS Truflo 100mm & 150mm RWO with All-purpose Planter Box Adapter

Specification code:

TIA100PB (100mm CI body with planter box adapter)

TIA150PB (150mm CI body with planter box adapter)



Dimensions (mm)

N.B	A	B	C	D	E	F	G
100	260	240	103	106	28	45	25
150	260	240	151	86	28	37	25

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SPS Truflo 80mm & 100mm 90° RWO with Class D Heavy-Duty Flat Grate

Specification code:

TIA80/90F (80mm CI body, galvanised steel flat grate)

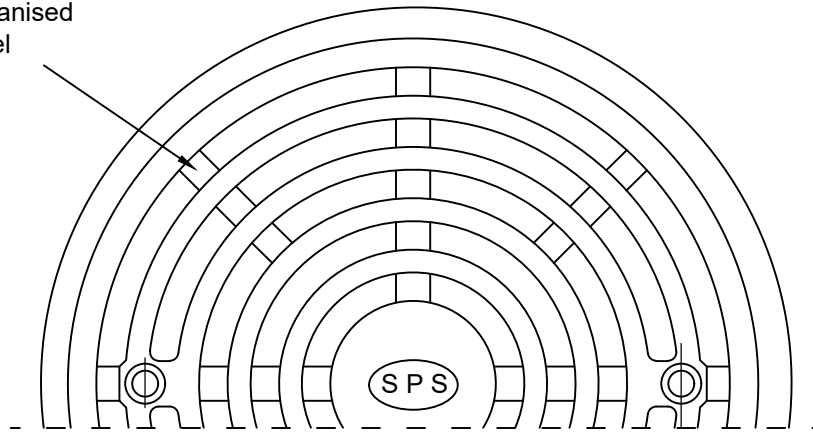
TIA100/90F (100mm CI body, galvanised steel flat grate)

Suggested applications:

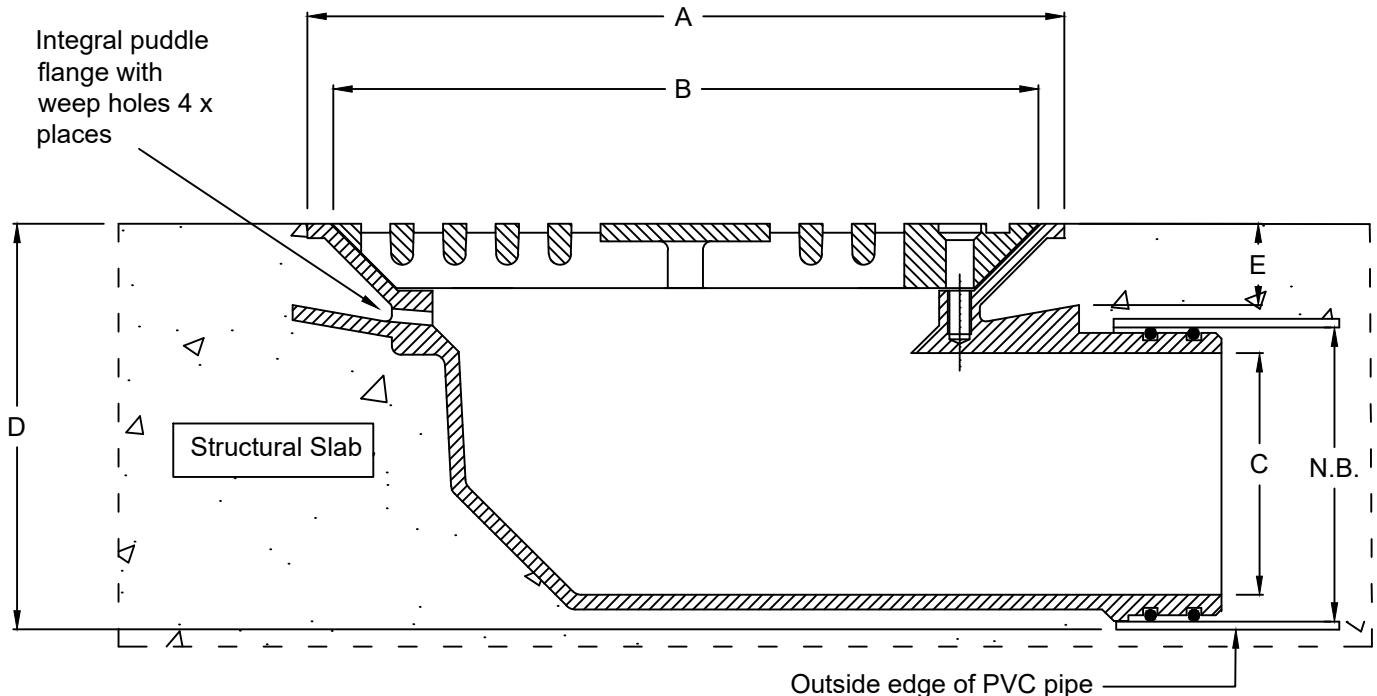
Car park decks

Plant rooms

Flat grate in heavy duty,
hot-dipped galvanised
mid-carbon steel



Load-tested to Class D of AS3996-2006



N.B.	A	B	C	D	E
80	260	240	62	115	28
100	260	240	83	140	28

*For flow rate data please refer to appendix.

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SPS Truflo 80mm & 100mm 90° RWO with Flat Grate & Membrane Clamp

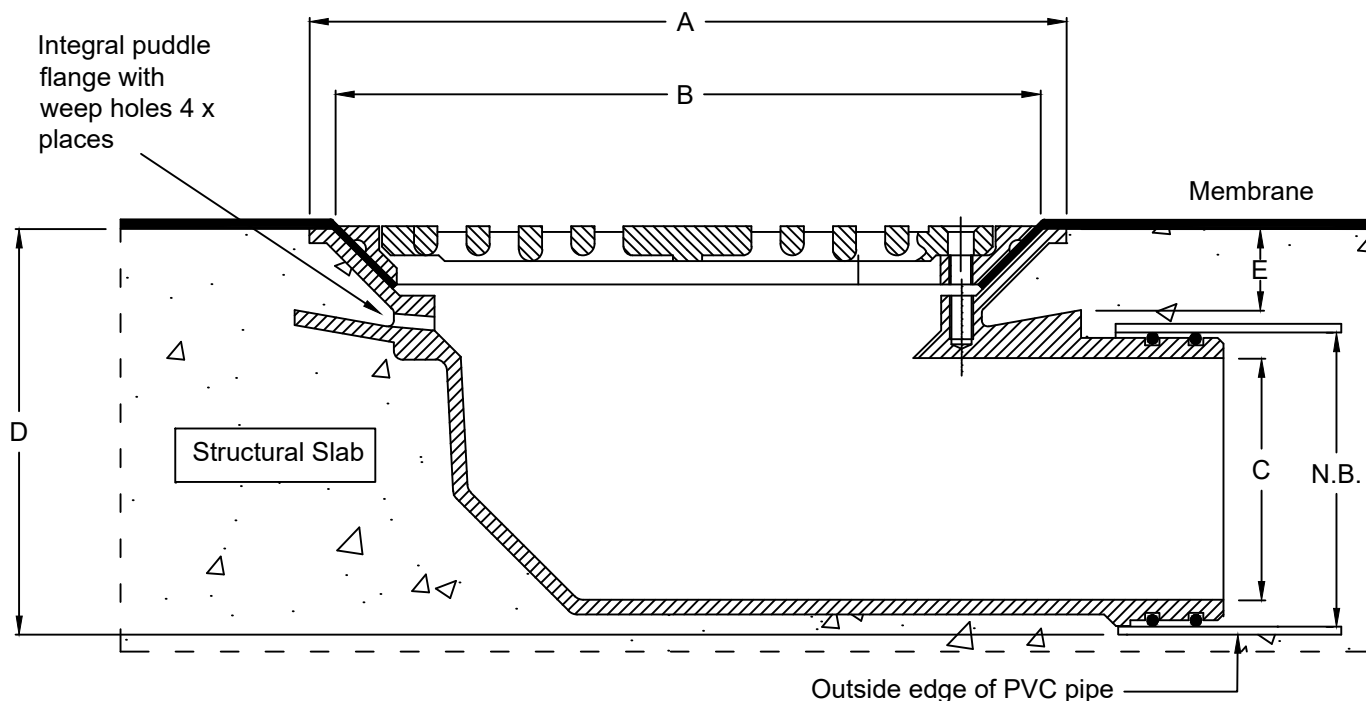
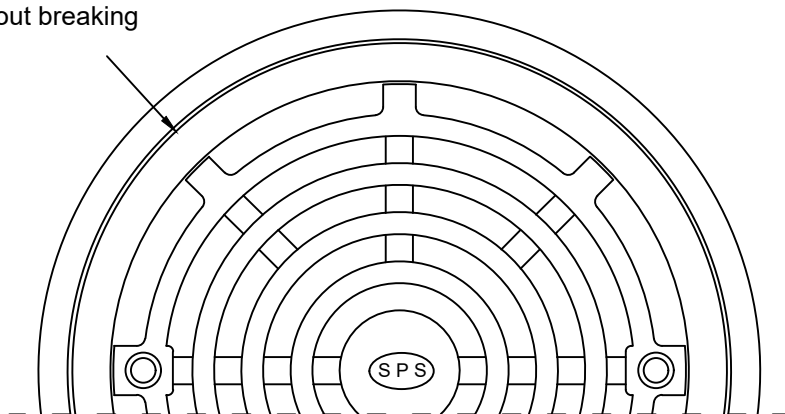
Specification codes:

TIA80/90F2 (80mm CI body, aluminium clamp ring & grate)
TIB80/90F2 (80mm CI body, bronze ring & grate)
TIA100/90F2 (100mm CI body, aluminium clamp ring & grate)
TIB100/90F2 (100mm CI body, bronze ring & grate)

Suggested application:

Membraned floors or roofs with no further topping, eg planter boxes, plant rooms, roof decks.

Membrane ring fastens to body independently of grate to allow access to sump without breaking membrane seal.



N.B.	A	B	C	D	E
80	260	240	62	115	28
100	260	240	83	140	28

*For flow rate data please refer to appendix.

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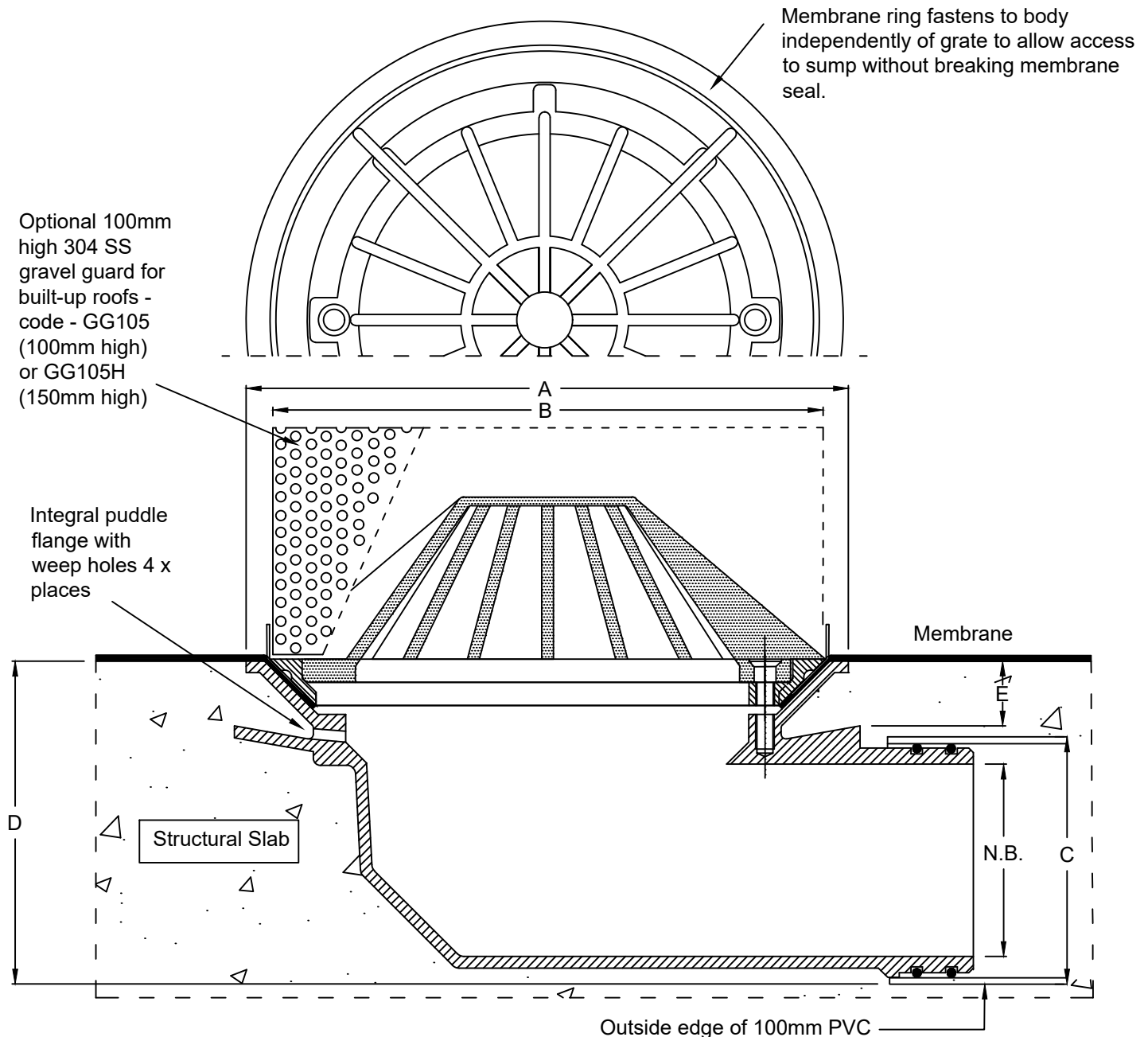
SPS Truflo 80mm & 100mm 90° RWO with Dome Grate & Membrane Ring

Specification codes:

TIA80/90D2 (80mm CI body, aluminium clamp ring & dome)
TIB80/90D2 (80mm CI body, bronze ring & dome)
TIA100/90D2 (100mm CI body, aluminium clamp ring & dome)
TIB100/90D2 (100mm CI body, bronze ring & dome)

Suggested applications:

Roof decks with pipe cast in



N.B.	A	B	C	D	E
80	260	240	62	115	28
100	260	240	83	140	28

*For flow rate data please refer to the appendix.

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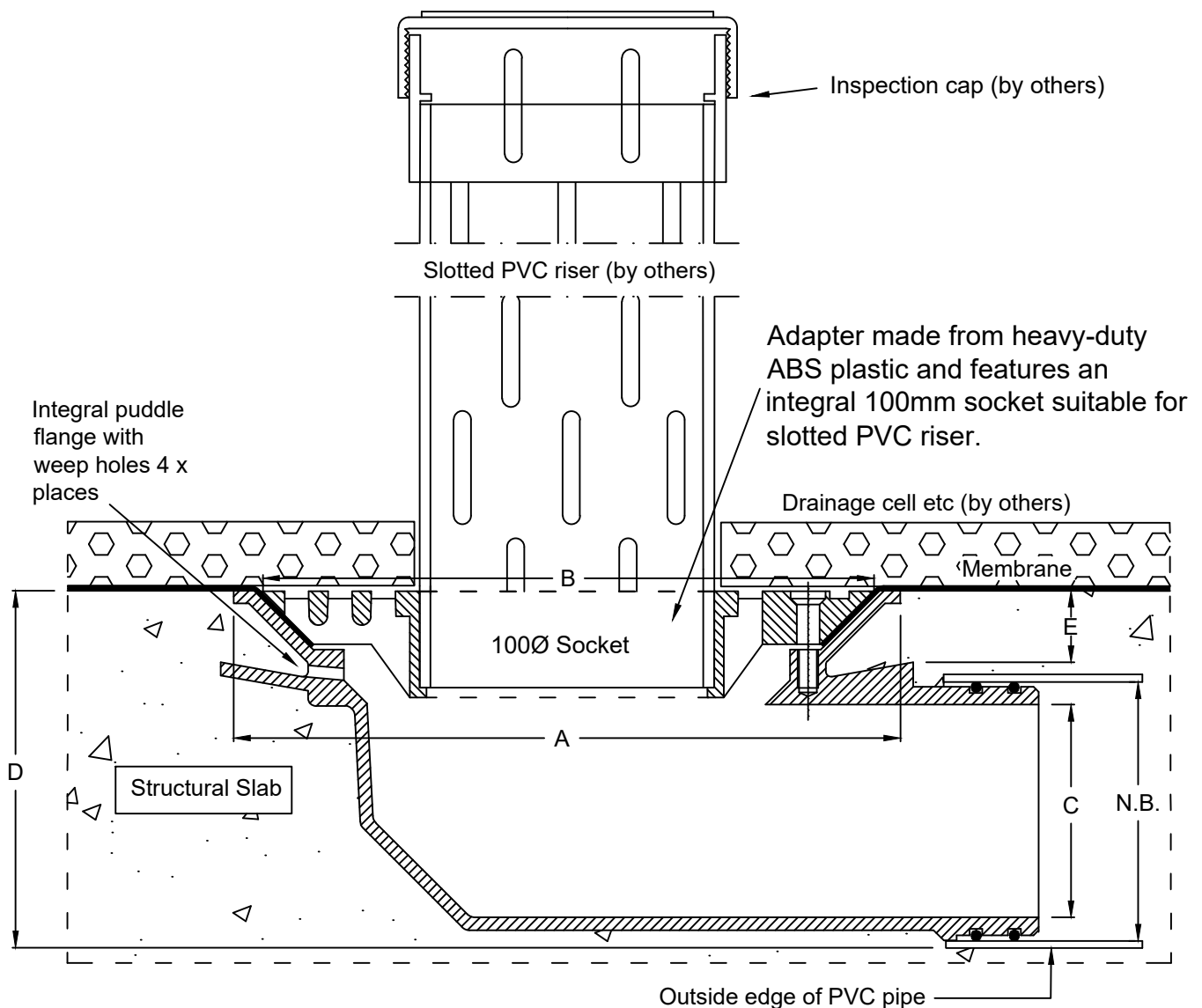
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS Truflo 80mm & 100mm 90° RWO with All-purpose Planter Box Adapter

Specification code:

TIA80/90PB (80mm CI body with planter box adapter)

TIA100/90PB (100mm CI body with planter box adapter)



N.B.	A	B	C	D	E
80	260	240	62	115	28
100	260	240	83	140	28

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SPS 150mm Superflo RWO with Class D Heavy Duty Flat Grate

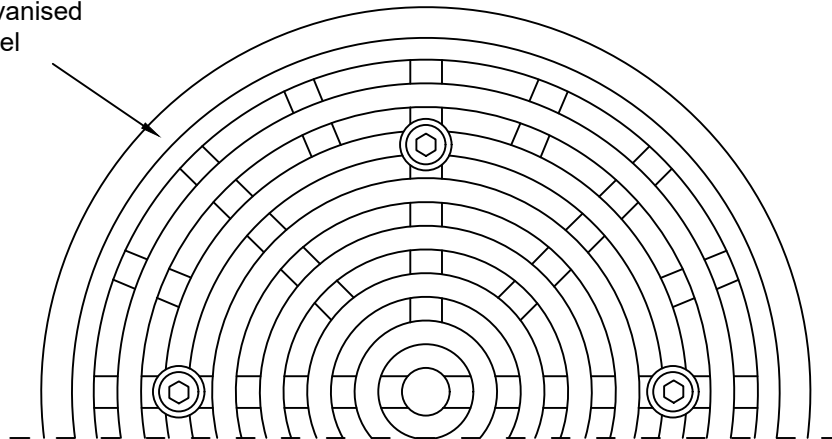
Specification codes:

SIA150F (150mm Superflo CI body, galvanised flat grate)

Suggested applications:

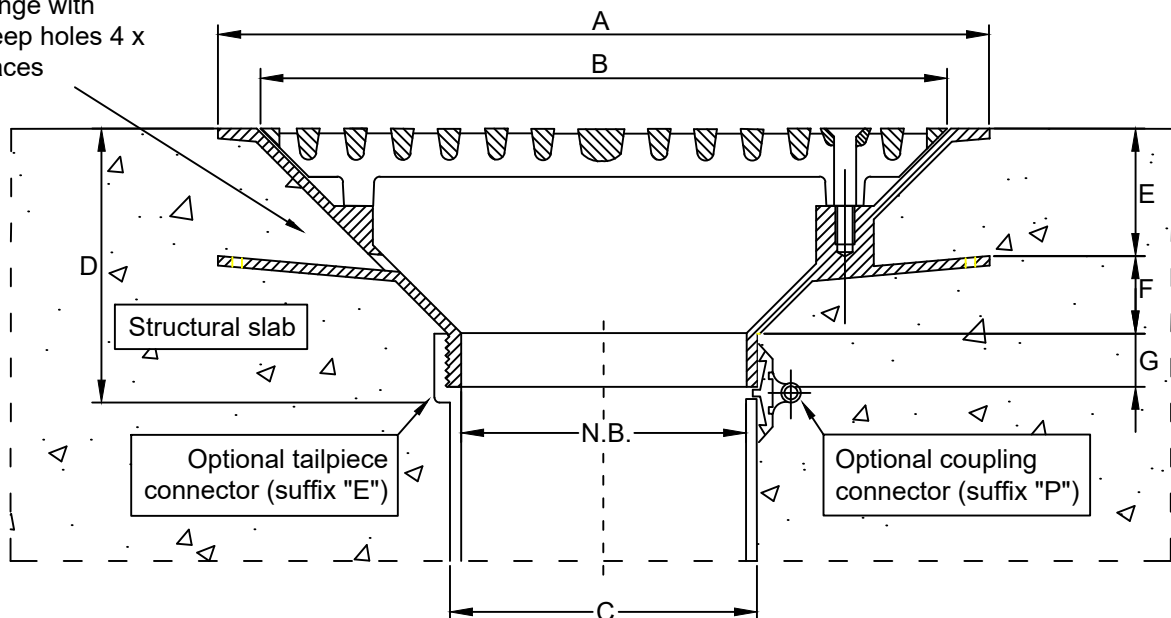
Car park decks, especially roof top car parks

Flat grate in heavy duty, hot-dipped galvanised mid-carbon steel



Load-tested to class D of AS3996-2006

Integral puddle flange with weep holes 4 x places



N.B.	A	B	C	D	E	F	G
150	400	356	151	150	66	39	38

*For flow rate data please refer to appendix.

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SPS 150mm Superflo Flat or Dome RWO (with Membrane Clamp Ring)

Specification codes:

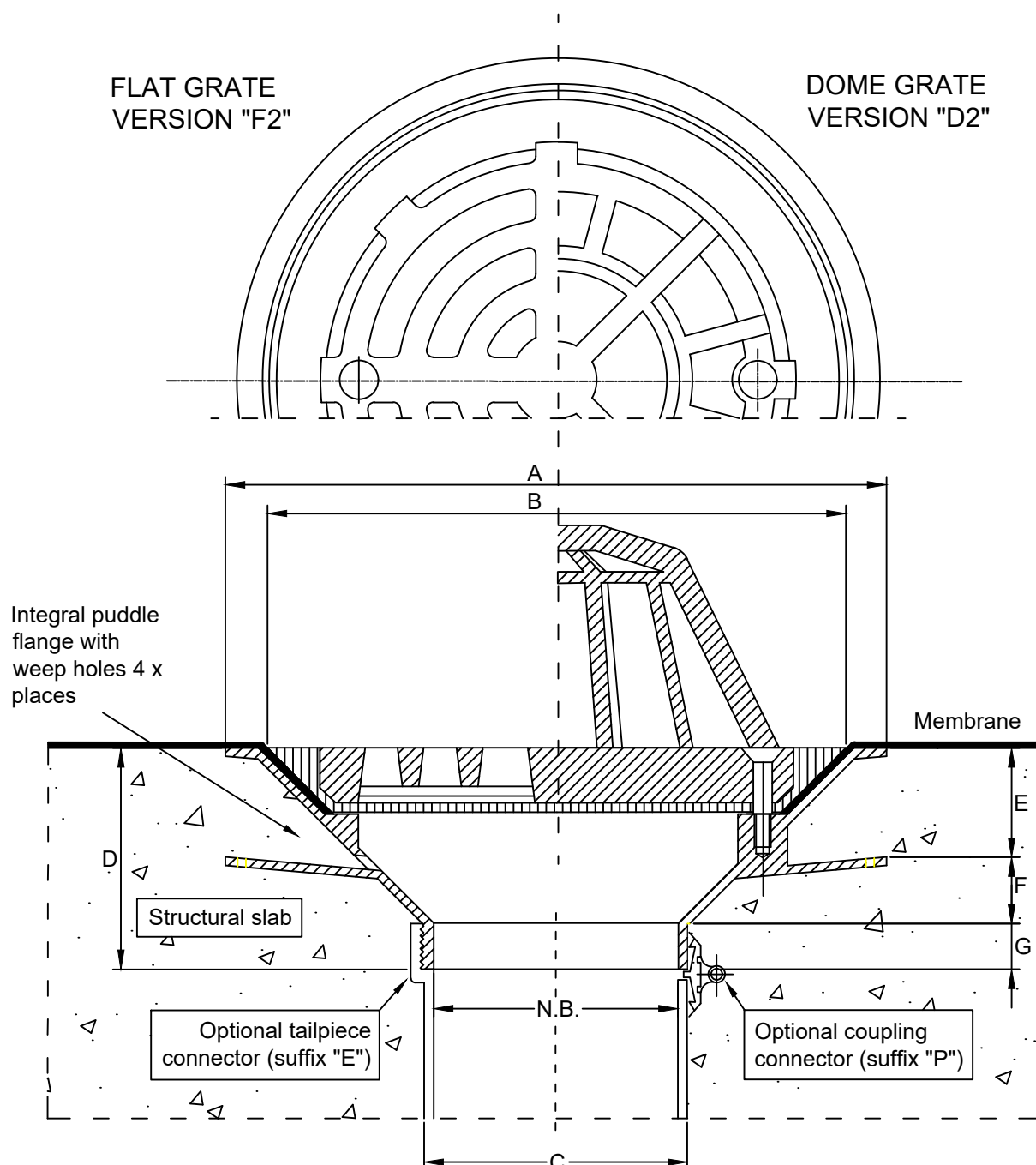
SIA150F2 (150mm Superflo CI body, galvanised cast iron flat grate & aluminium membrane clamp ring)

SIA150D2 (150mm Superflo - CI body, aluminium dome grate & membrane clamp ring)

Suggested applications:

Large concrete roofs with heavy membrane

Sprinkler/hydrant test areas



N.B.	A	B	C	D	E	F	G
150	400	356	151	150	66	39	38

*For flow rate data please refer to appendix.

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SPS "Shallowflo" 100mm Push-in RWO (Variation Based on Truflo System)

Specification codes:

SF100F (CI body, galvanised flat grate class D)

SF100F2 (CI body, LM-6 flat grate & membrane ring)

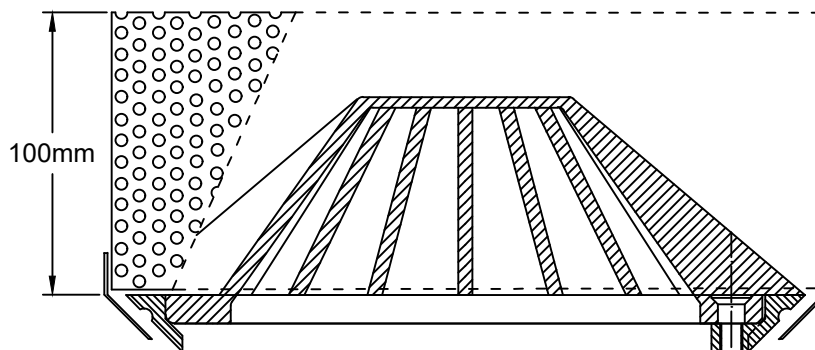
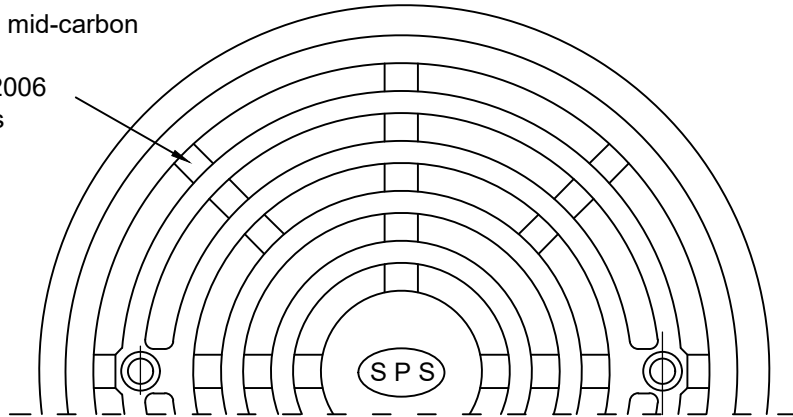
SF100D2 (CI body, LM-6 dome grate & membrane ring)

Suggested applications:

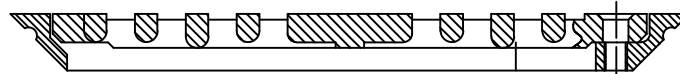
Applications where regular Truflo is too deep to fit, but not requiring normal "Truflo" flow rates

USE WITH CAUTION: Flow rates are only a fraction of those of regular Truflo

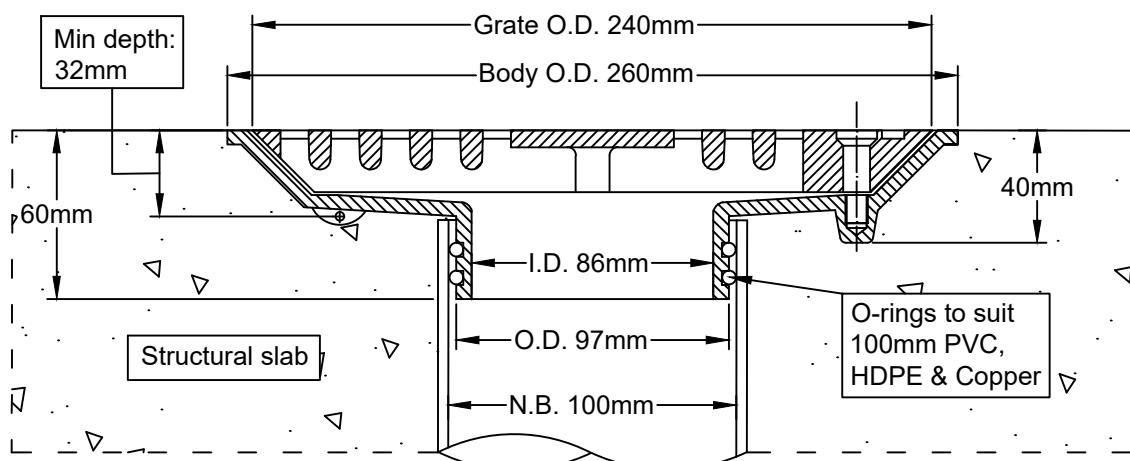
Hot-dipped galvanised mid-carbon steel flat grate, load class D per AS 3996-2006
FLOW RATE max 3 l/s



LM-6 dome grate and membrane ring, for roof slabs (note: optional gravel guard partially illustrated)
FLOW RATE MAX 3 l/s



LM-6 flat grate and membrane ring, for waterproofed slabs (eg roof decks & plant rooms).
FLOW RATE MAX 3 l/s



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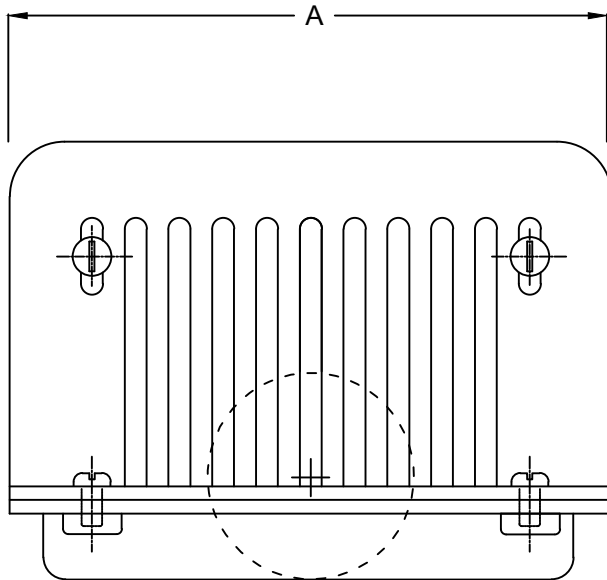
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SPS Parapet or Scupper Drains

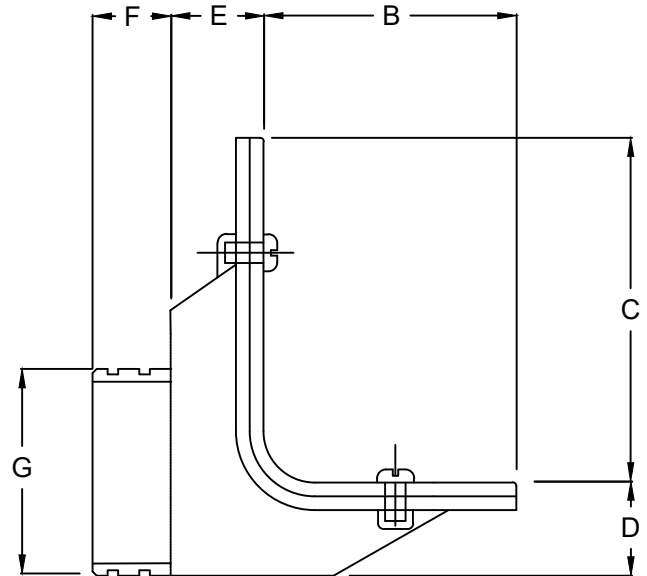
Specification Codes:

PD50CS (50mm CI body, 316 SS grate)
 PD80CA (80mm CI body, aluminium grate)
 PD80CS (80mm CI body, 316 SS grate)
 PD100CA (100mm CI body, aluminium grate)
 PD100CS (100mm CI body, 316 SS grate)

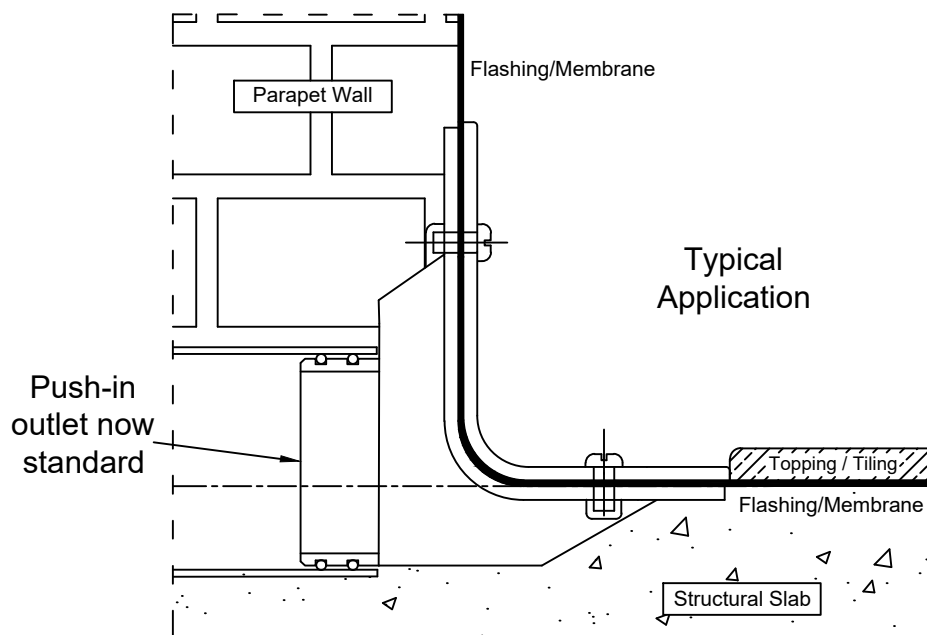
- Body made from hot-dipped galvanised cast iron
- O-rings available for push-in connection to PVC, copper and 100mm HDPE
- Grates available in aluminium and 316 stainless steel
- Optional bronze and nickel-bronze grates available by special order only



Front View



Side View



N.B.	A	B	C	D	E	F	G
50	150	55	65	25	25	20	50
80	210	82	117	35	35	35	72
100	280	105	153	45	45	37	97

*For flow rate data please refer to appendix.

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SECTION 2

Domestic, Push-in & Retro-fit Drains

	<u>Push-in & Retro Fit Drains</u>	<u>To suite pipe (mm):</u>
2.01	100mm Domestic Floor Waste (fine pattern)	100
2.02	100mm Round - Push-in	50 & 80
2.03	100mm Square - Push-in	50 & 80
2.04	130mm Round - Push-in	80, 90 & 100
2.05	130mm Round (Grid Pattern) - Push-in	100
2.06	130mm Square - Push-in	80, 90 & 100
2.07	130mm Square (Grid Pattern) - Push-in	80 & 100
2.08	130mm Square - 100mm (round insert version) - Push-in	100
2.09	150mm Round - Push-in	100
2.10	150mm Square - Push-in	100
2.11	150mm Square Hybrid - Push-in - Unifin	100
2.12	150mm Square (Grid Pattern) - Push-in	100
2.13	200mm Square - Push-in	100
2.14	200mm Square (Grid Pattern) - Push-in	100
2.15	200mm Square - Push-in (150 outlet)	150
2.16	225mm Round - Push-in	100
2.17	225mm Round - Push-in (150 outlet)	150
2.18	110mm Square Floor Waste w/- Lo-profile Puddle Flange	100
2.19	130mm Round Floor Waste w/- Lo-profile Puddle Flange	100
2.20	130mm Square Floor Waste w/- Lo-profile Puddle Flange	100
2.21	150mm Square (Hybrid) w/- Lo-Profile Puddle Flange	100
2.22	150mm Round - Retro-fit Lower Body	100
2.23	150mm Square - Retro-fit Lower Body	100
2.24	150mm Square (Grid Pattern) - Retro-fit Lower Body	100
2.25	200mm Square - Retro-fit Lower Body	100
2.26	200mm Square (Grid Pattern) Retro-fit Lower Body	100
2.27	225mm Round - 100mm Retro-fit Lower Body	100

SPS 100mm Domestic Floor Waste (New Heel-Friendly Pattern)

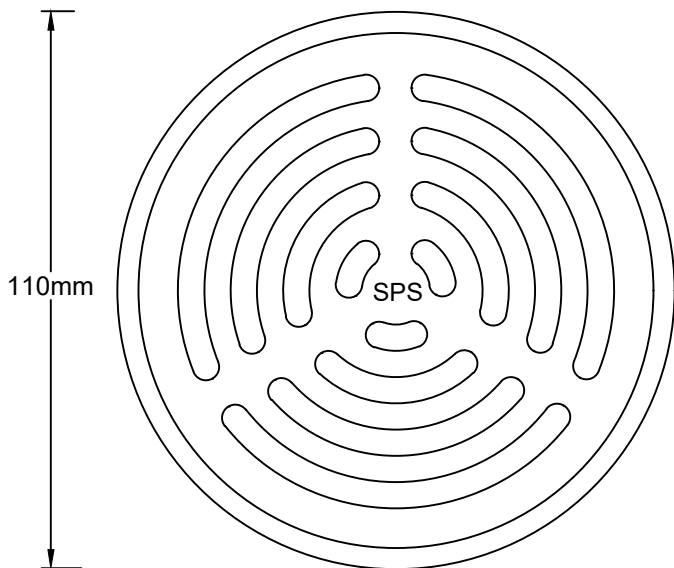
Specification codes:

DG100SF (round frame)

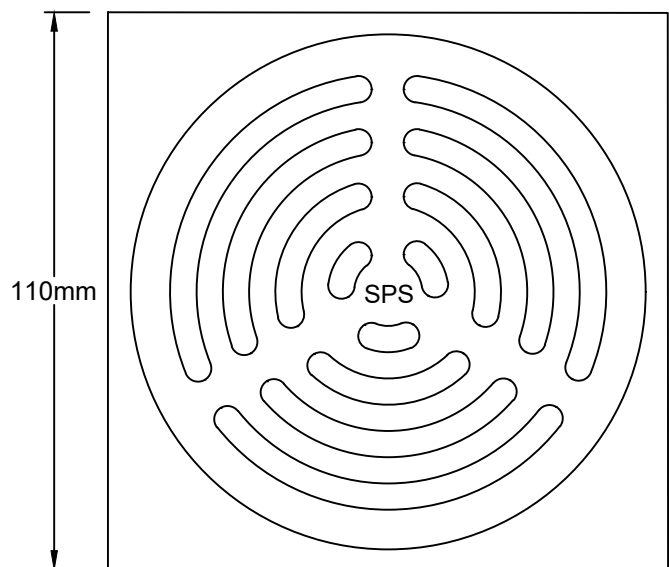
DG100SF2 (square frame)

- Made from cast 304-grade polished stainless steel. Satin 316 grade non-stock option.
- Features traditional bayonet-type grate fitting and 5x5mm heel-friendly pattern.
- Slip-in to 100mm PVC pipe or leak control flange insert (by others) eg WonderCap

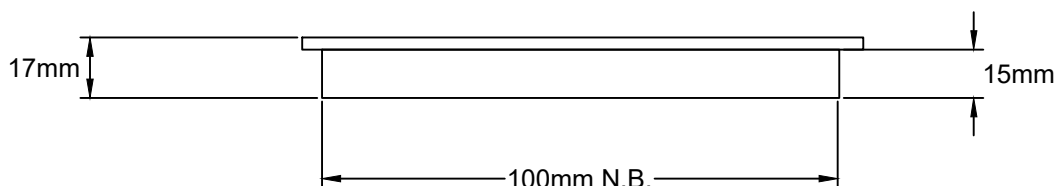
"DG100SF"



"DG100SF2"



Side View



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SPS 100mm Round Push-in Floor Drain

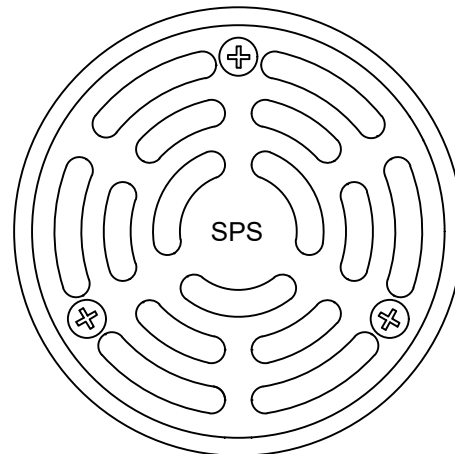
50mm outlet
80mm outlet

Specification codes:

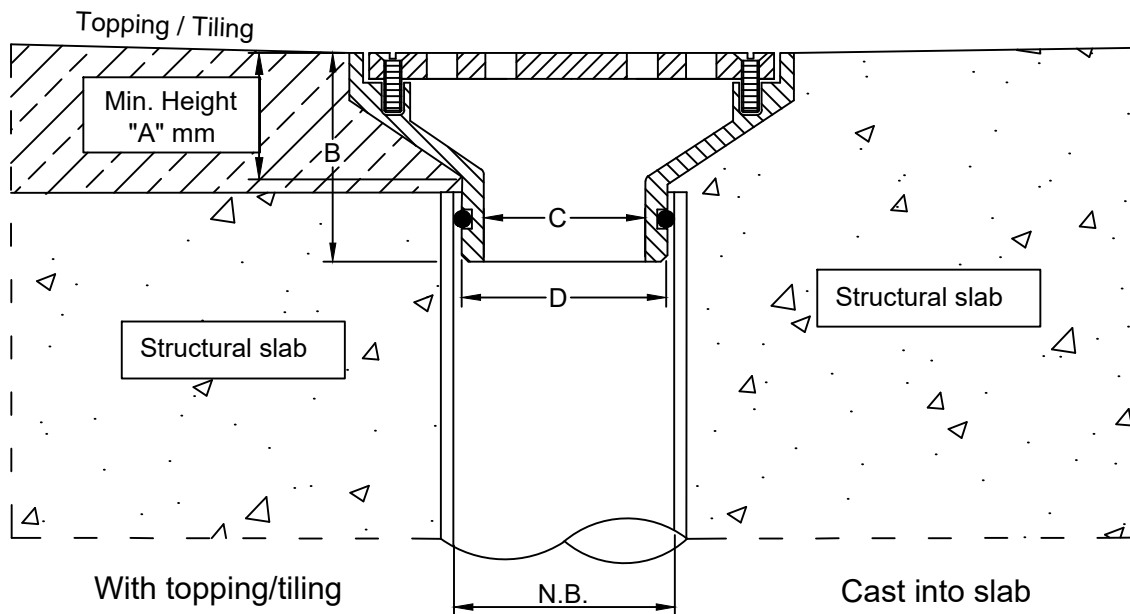
R100SR (50mm, satin 316SS)
R100SR4 (50mm, polished 304SS)
R100/80SR (80mm, satin 316SS)
R100/80SR4 (80mm, polished 304SS)

- Round grate available in 316 stainless steel. 304 grade available by special order.
- O-ring spigot pushes into 50mm or 80mm PVC pipe only.

100mm
Round



Typical Applications



N.B	A	B	C	D
50mm	25	46	42	50
80mm	18	50	64	72

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SPS 100mm Square Push-in Floor Drain

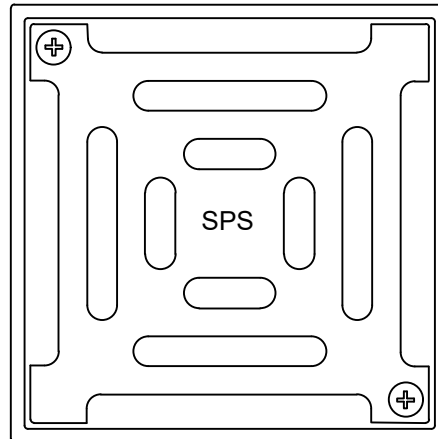
50mm outlet
80mm outlet

Specification codes:

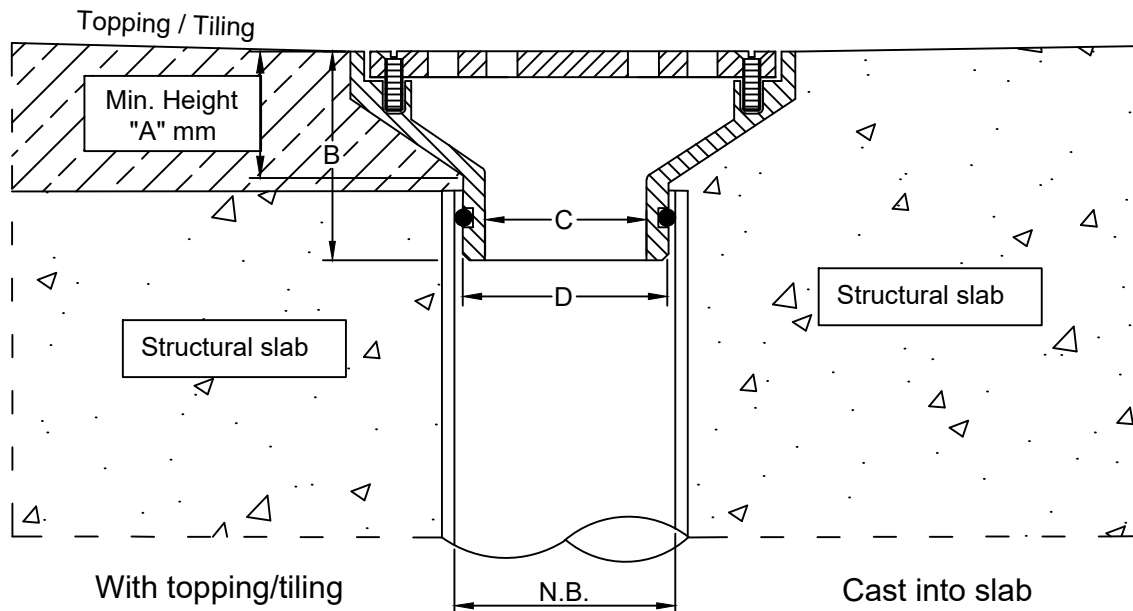
Q100SR (50mm, satin 316SS)
Q100SR4 (50mm, polished 304SS)
Q100/80SR (80mm, satin 316SS)
Q100/80SR4 (80mm, polished 304SS)

- Square grate available in 316 stainless steel. 304 grade available by special order.
- O-ring spigot pushes into 50mm or 80mm PVC pipe only.

100mm
Square



Typical Applications



N.B	A	B	C	D
50mm	25	46	42	50
80mm	18	50	64	72

*For flow rate data please refer to appendix.

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SPS 130mm Round Push-in Floor Drain

Specification codes:

R130/80SR4 (80mm - polished 304SS)

R130/80SR (80mm - satin 316SS)

R130/85SR (90mm - satin 316SS)

R130SR4 (100mm - polished 304SS)

R130SR (100mm - satin 316SS)

80mm outlet

90mm outlet

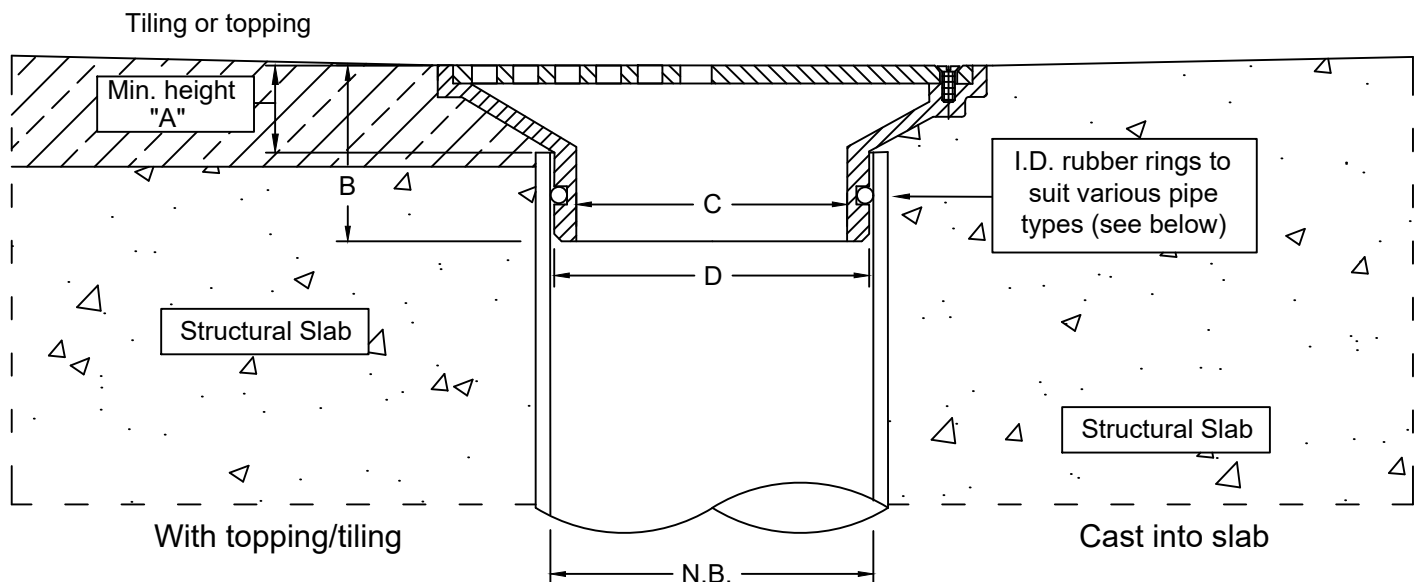
100mm outlet

- Round grate available in 304 or 316 Stainless Steel.
- O-ring spigot pushes into pipe. See below for specific size & material compatibility.

130mm
Round



Typical Applications



N.B.	A	B	C	D	Pipe compatibility
80mm	20	49	64	72	PVC and copper
90mm	20	49	75	85.5	PVC stormwater only
100mm	17	41	90.5	97	PVC, HDPE and copper

*For flow rate data please refer to appendix.

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 130mm Round Push-in Floor Drain

Specification code:

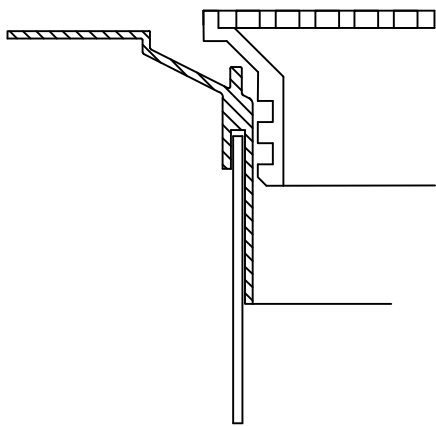
R130SRQ4 (polished 304 stainless steel)

R130SRQ (satin 316 stainless steel)

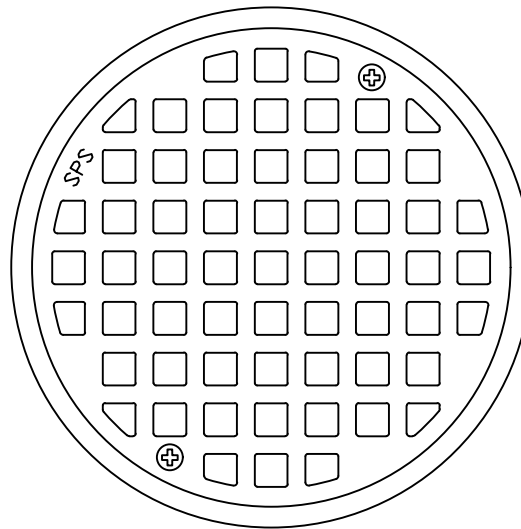
100mm Outlet
(Grid Pattern)

SPECIAL ORDER ONLY

Grid Pattern (8mm sq. holes)

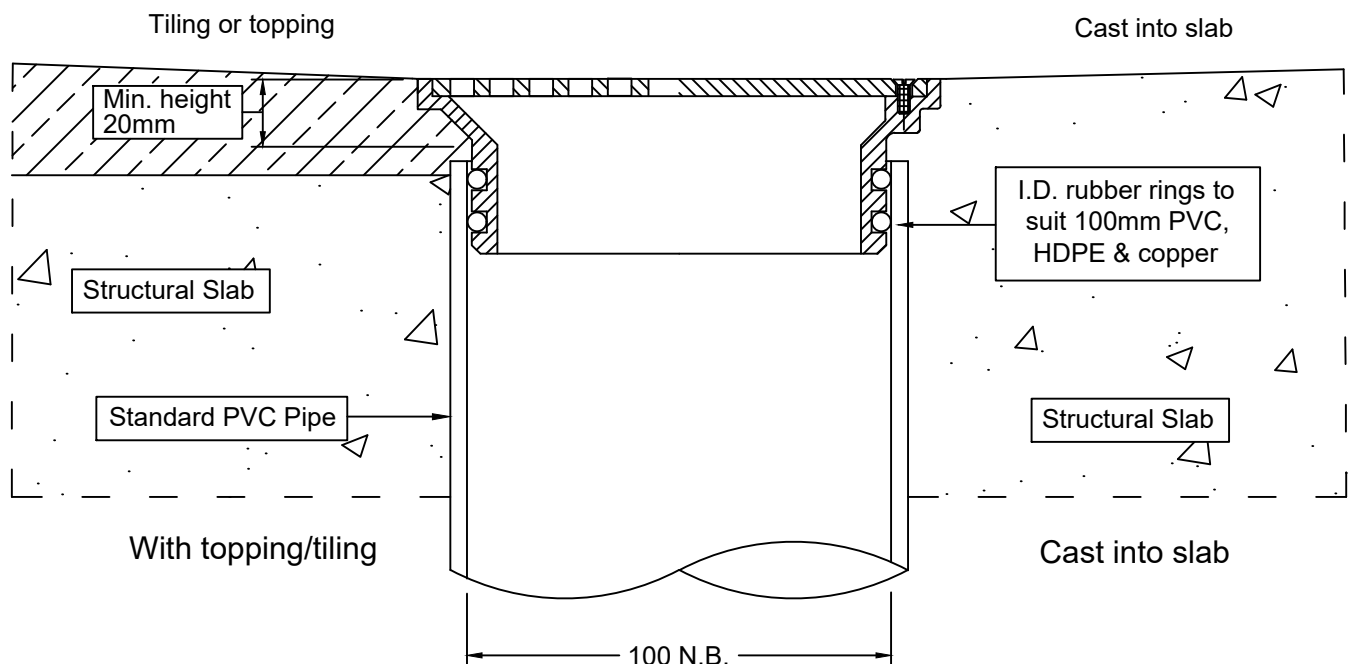


Installation with puddle flange



130mm
Round

Typical Applications



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 130mm Square Push-in Floor Drain

Specification codes:

Q130/80SR4 (80mm - polished 304SS)

Q130/80SR (80mm - satin 316SS)

Q130/85SR (90mm - satin 316SS)

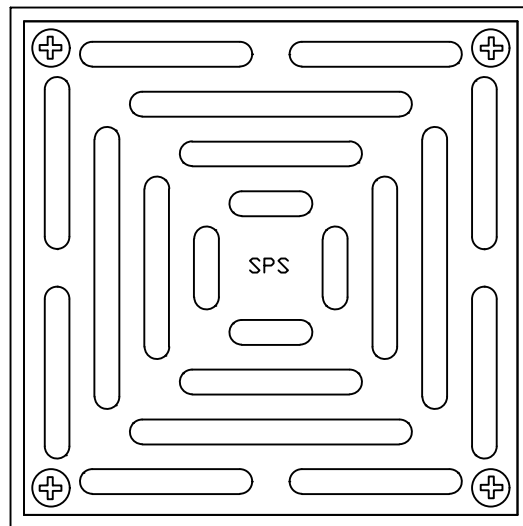
Q130SR4 (100mm - polished 304SS)

Q130SR (100mm - satin 316SS)

80mm outlet
90mm outlet
100mm outlet

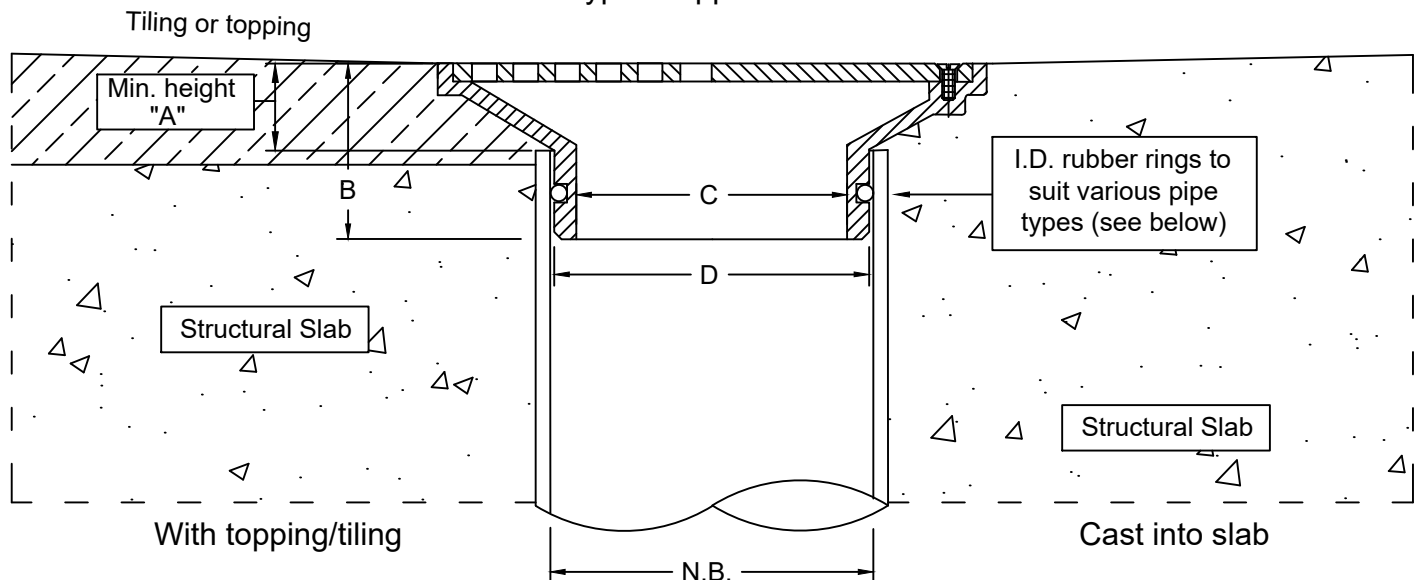
- Square grate available in 304 or 316 stainless steel.
- O-ring outlet pushes into pipe. See below for specific size & material compatibility.

130mm
Square



High-heel friendly pattern (6mm gaps)

Typical Applications



N.B.	A	B	C	D	Pipe compatibility
80mm	20	49	64	72	PVC and copper
90mm	20	49	75	85.5	PVC stormwater only
100mm	17	44	90.5	97	PVC, HDPE and copper

*For flow rate data please refer to appendix.

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 130mm Square Push-in Floor Drain

Specification code:

Q130/80SRQ4 (80mm, polished 304SS) *special order*

Q130/80SRQ (80mm, satin 316SS)

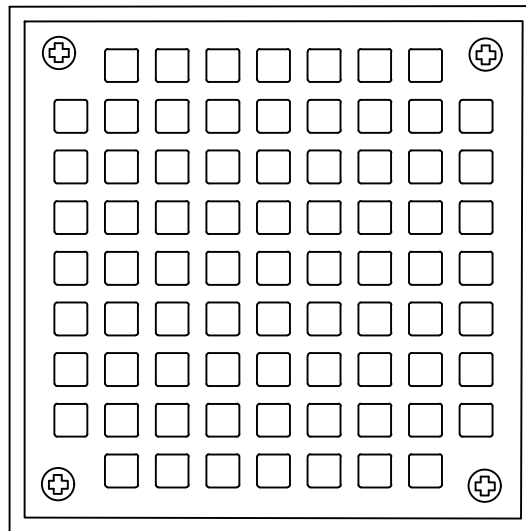
Q130SRQ4 (100mm, polished 304SS) *special order*

Q130SRQ (100mm, satin 316SS)

80mm outlet
100mm outlet
(Grid Pattern)

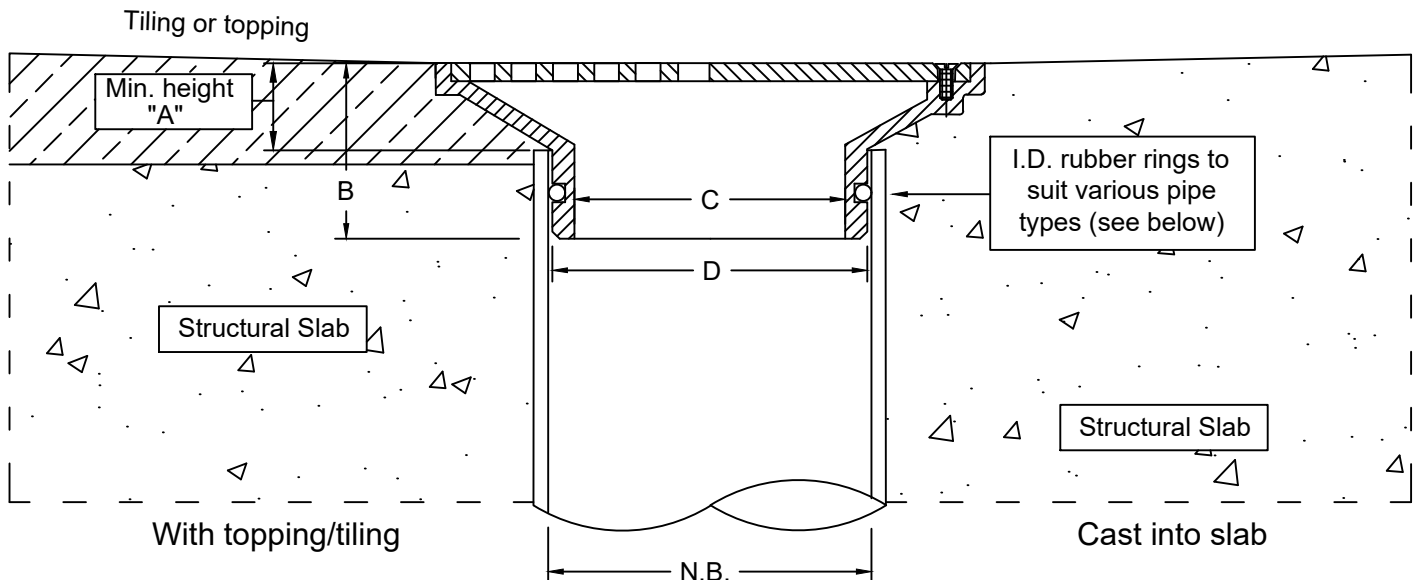
Grid Pattern (8mm sq. holes)

130mm
Square



- Square grate available in 304 or 316 stainless steel.
- O-ring outlet pushes into pipe. See below for specific size & material compatibility.

Typical Applications



N.B.	A	B	C	D	Pipe compatibility
80mm	20	49	64	72	PVC and copper
100mm	17	44	90.5	97	PVC, HDPE and copper

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 130mm Square Push-in Floor Drain

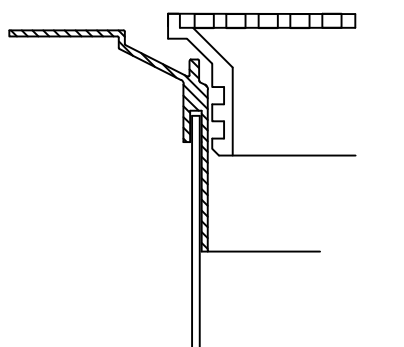
Specification code:

Q130SR24 (polished 304SS)

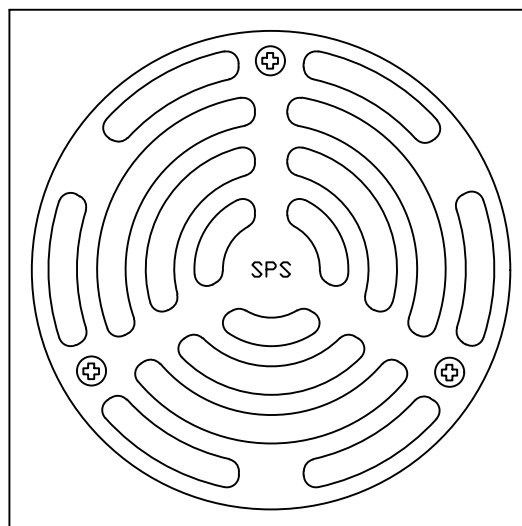
Q130SR26 (satin 316SS *special order*)

100mm outlet
(circular grate insert)

Suggested match for square cleanout model Q130SCR
(see section 7)



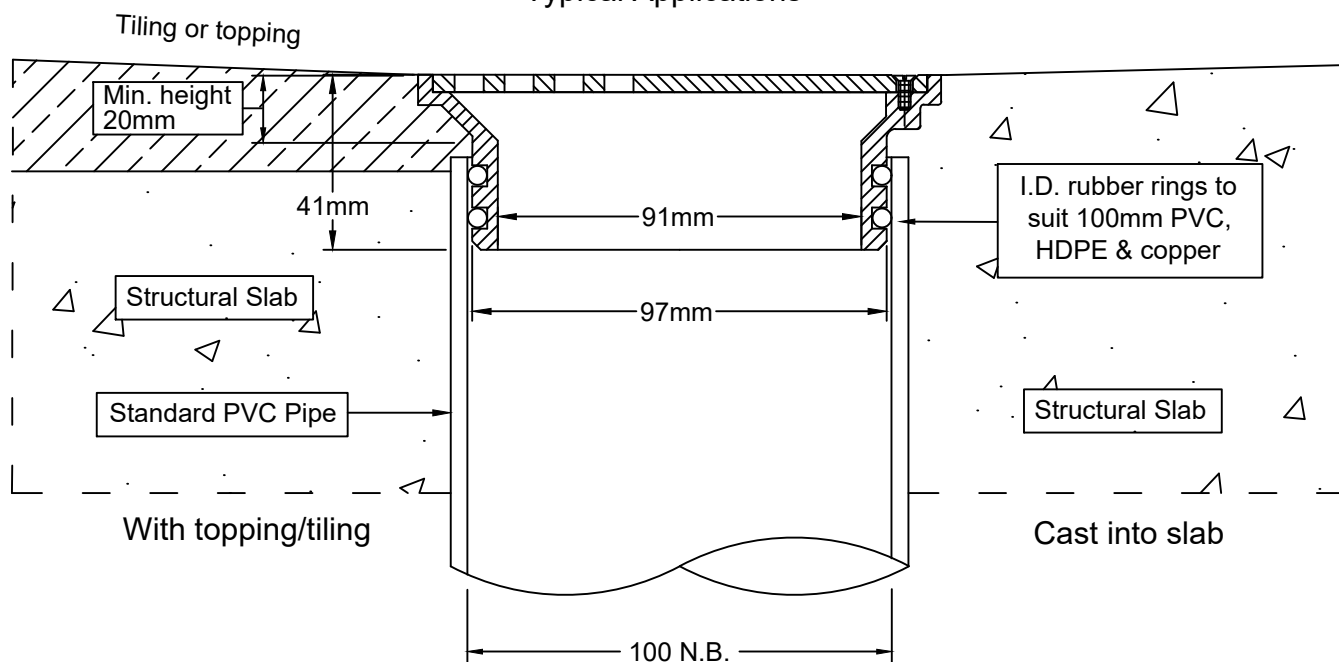
Installation with puddle flange



130mm
Square

⊗ – Optional hex-head security screws (use suffix "/SEC")

Typical Applications



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Round Push-in Floor Drain

100mm Outlet

Specification codes:

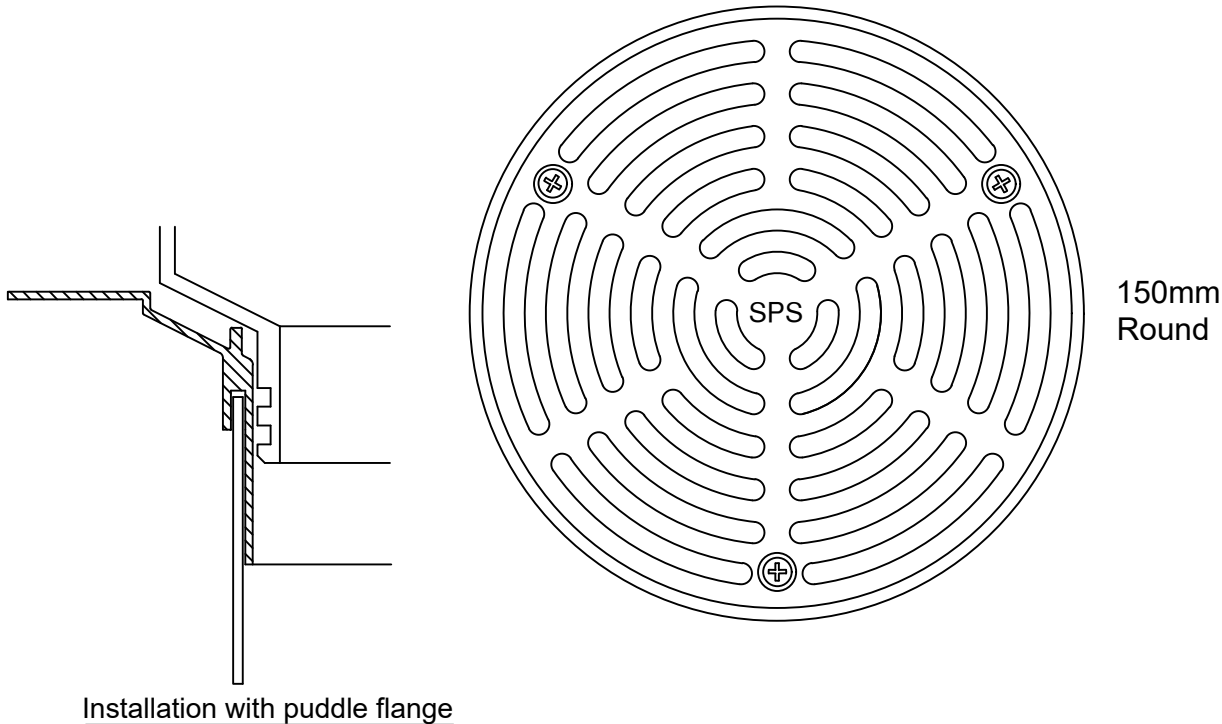
R150GR (finished bronze) *special order*

R150NR (finished nickel bronze) *special order*

R150SR (satin 316 stainless steel)

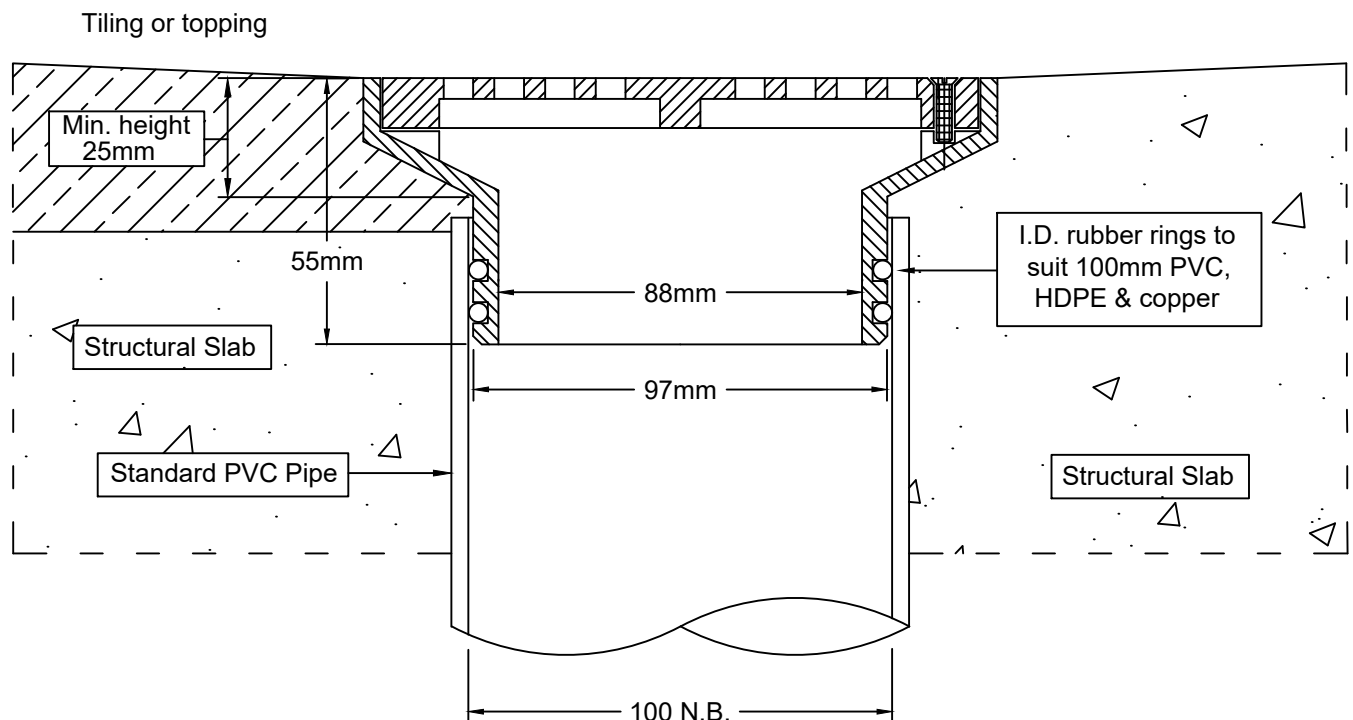
R150SR4 (polished 304 stainless steel)

High-heel friendly pattern (5mm gaps)



Installation with puddle flange

Typical Application



*For flow rate data please refer to appendix.

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Square Push-in Floor Drain

100mm Outlet

Specification codes:

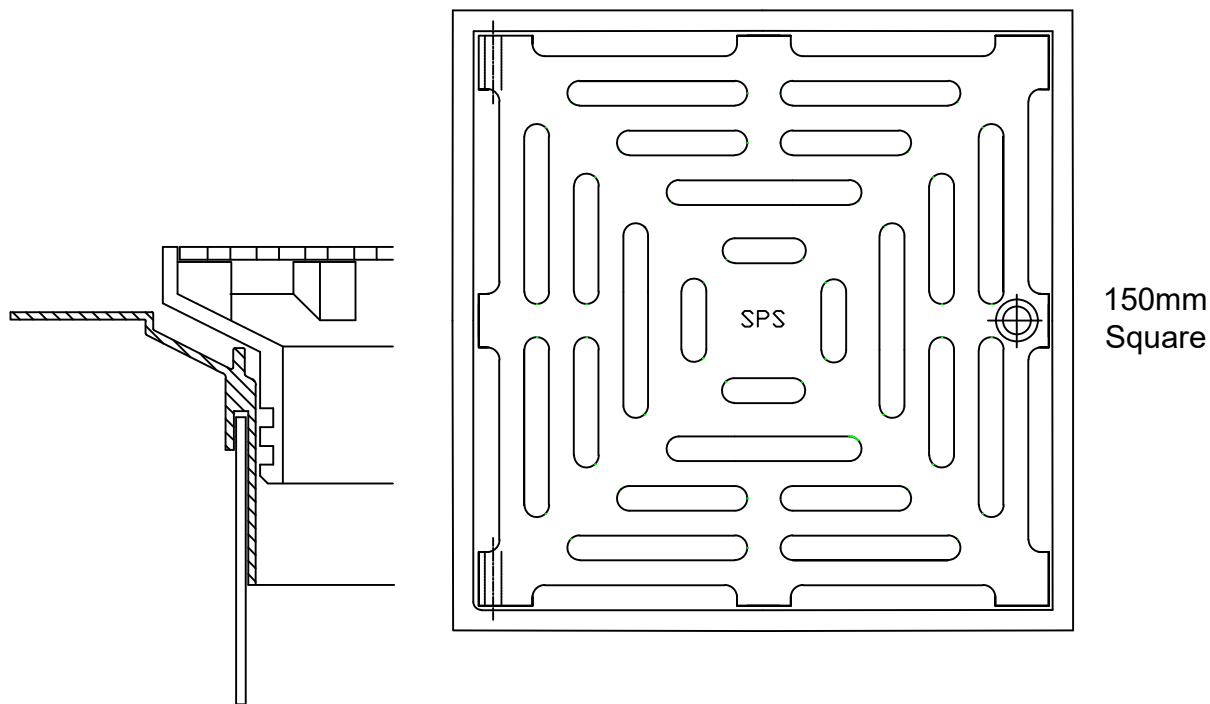
Q150GR (finished bronze) *special order*

Q150NR (finished nickel bronze) *special order*

Q150SR4 (polished 304 stainless steel)

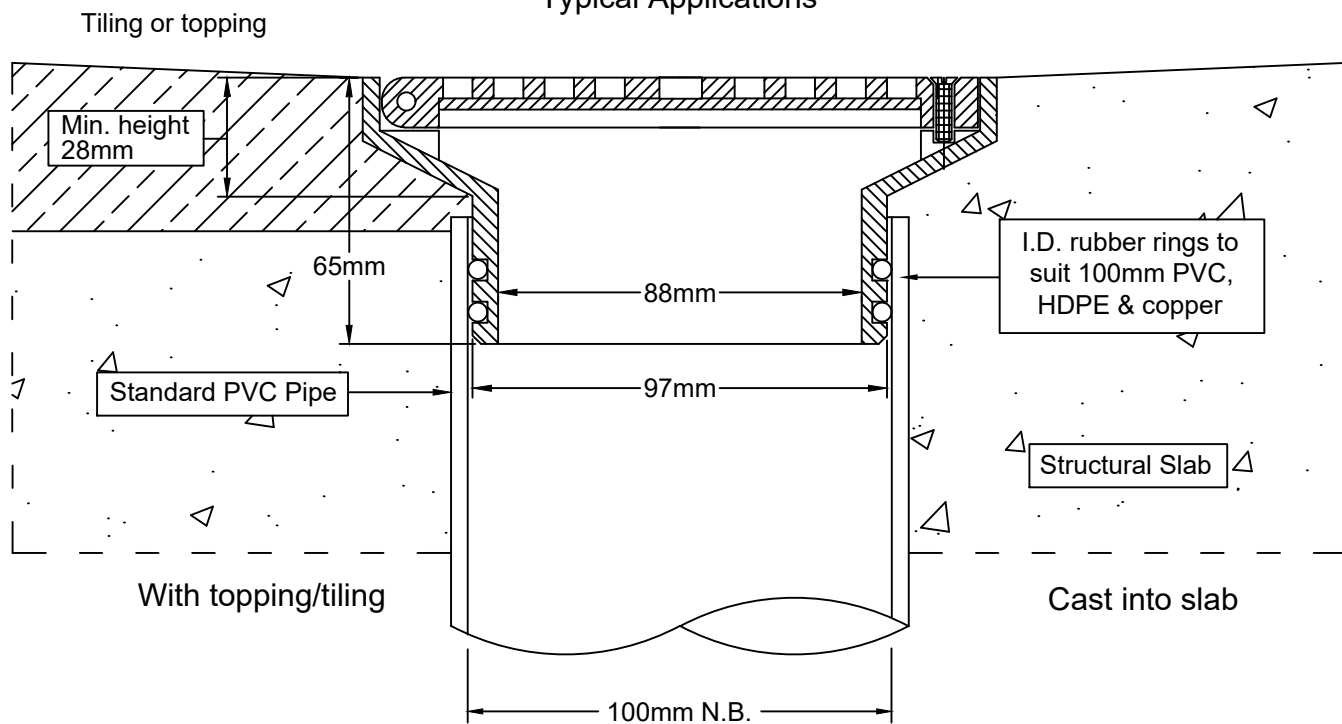
Q150SR (satin 316 stainless steel)

High-heel friendly pattern (6mm gaps)



Installation with puddle flange

Typical Applications



*For flow rate data please refer to appendix.

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Square Hybrid Floor Waste With 100mm "Unifin" Outlet (SS/PVC)

Specification codes:

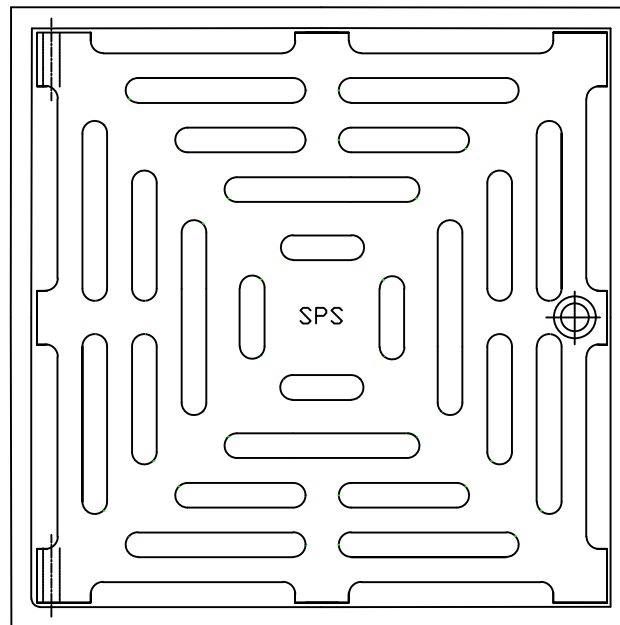
QH150S4F (Polished 304SS grate)

QH150S6F (Satin 316SS grate) *special order*

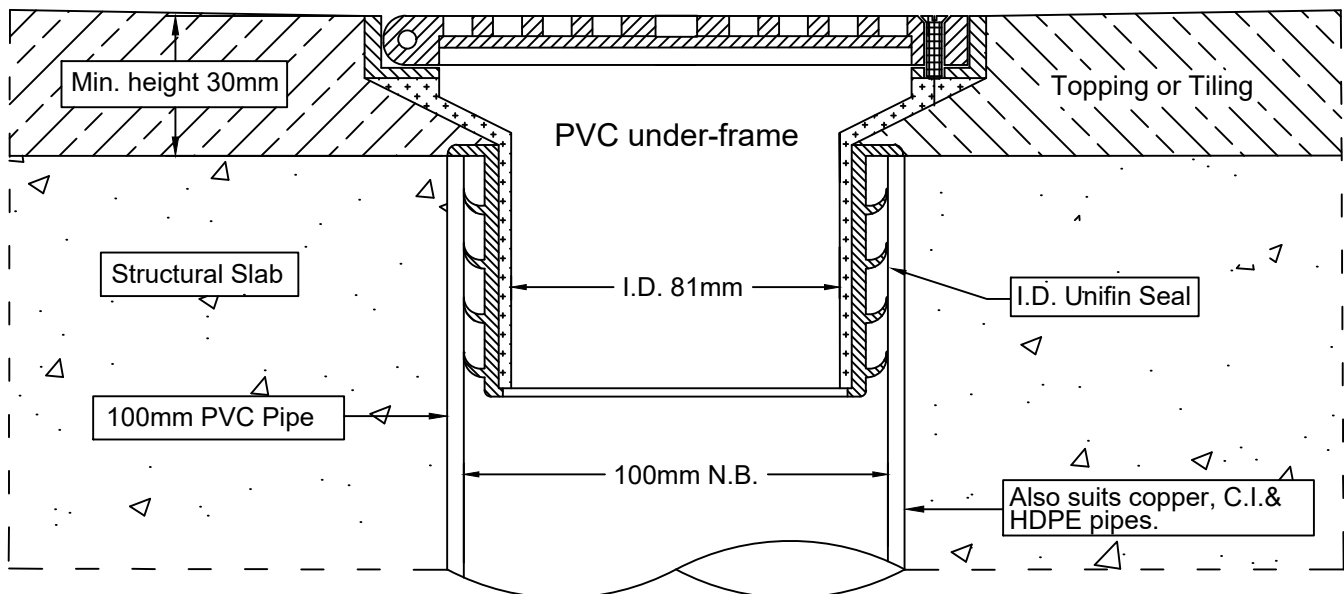
- 150mm Square Floor Waste with "Unifin" connector to suit all known 100mm pipes
- Polished 304 stainless steel hinged grate with PVC underframe ("hybrid" style).
- Satin 316 stainless steel available as special order.

High-heel friendly pattern (6mm gaps)

150mm
Square



Typical Application



Speciality Plumbing Supplies Pty Ltd

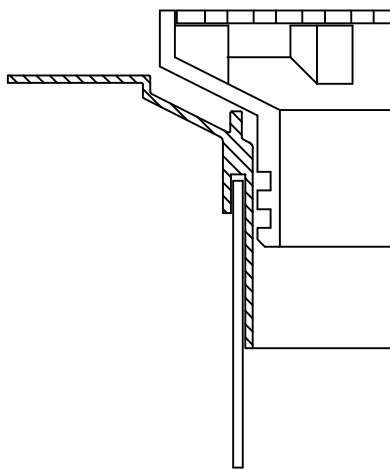
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Square Push-in Floor Drain

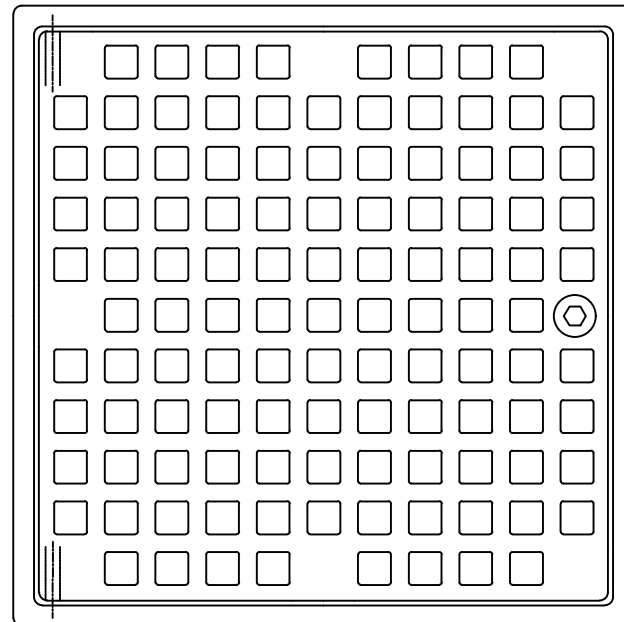
Specification code:
Q150SRQ (316 stainless steel)

100mm Outlet
(Grid Pattern)

Grid Pattern (8mm sq. holes)

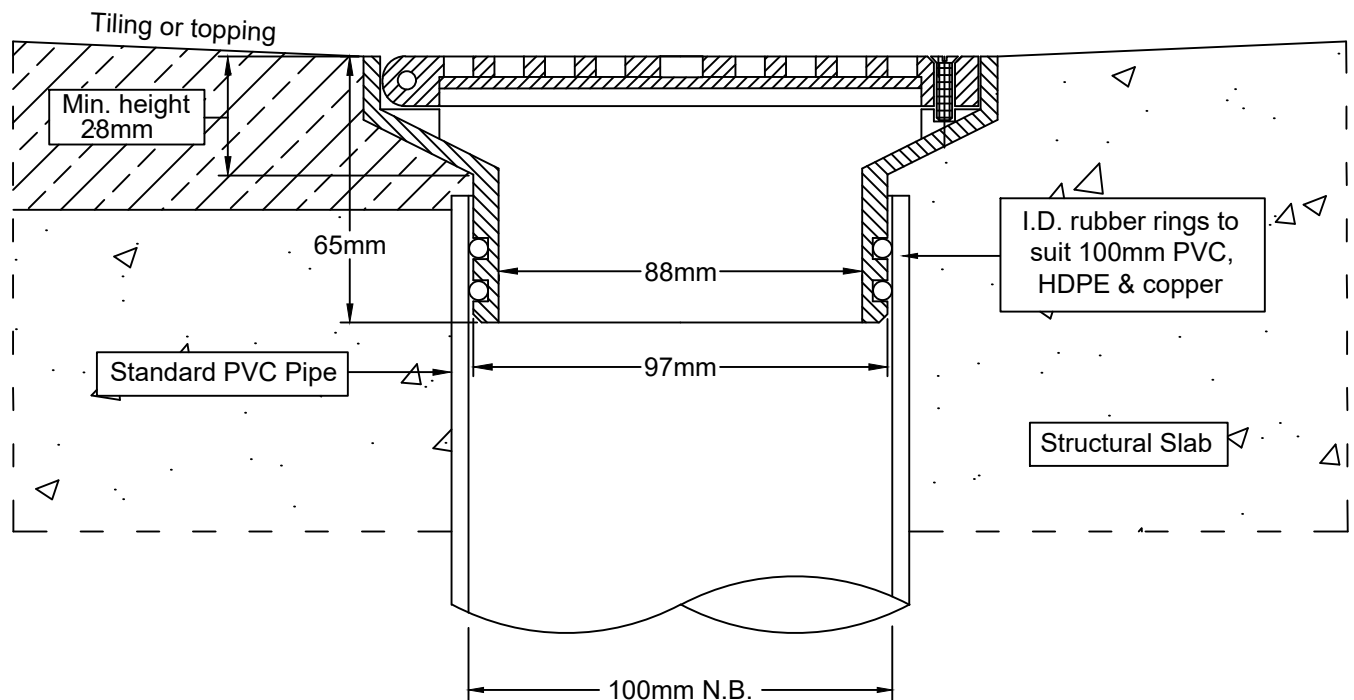


Installation with puddle flange



150mm
Square

Typical Applications



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 200mm Square Push-in Floor Drain

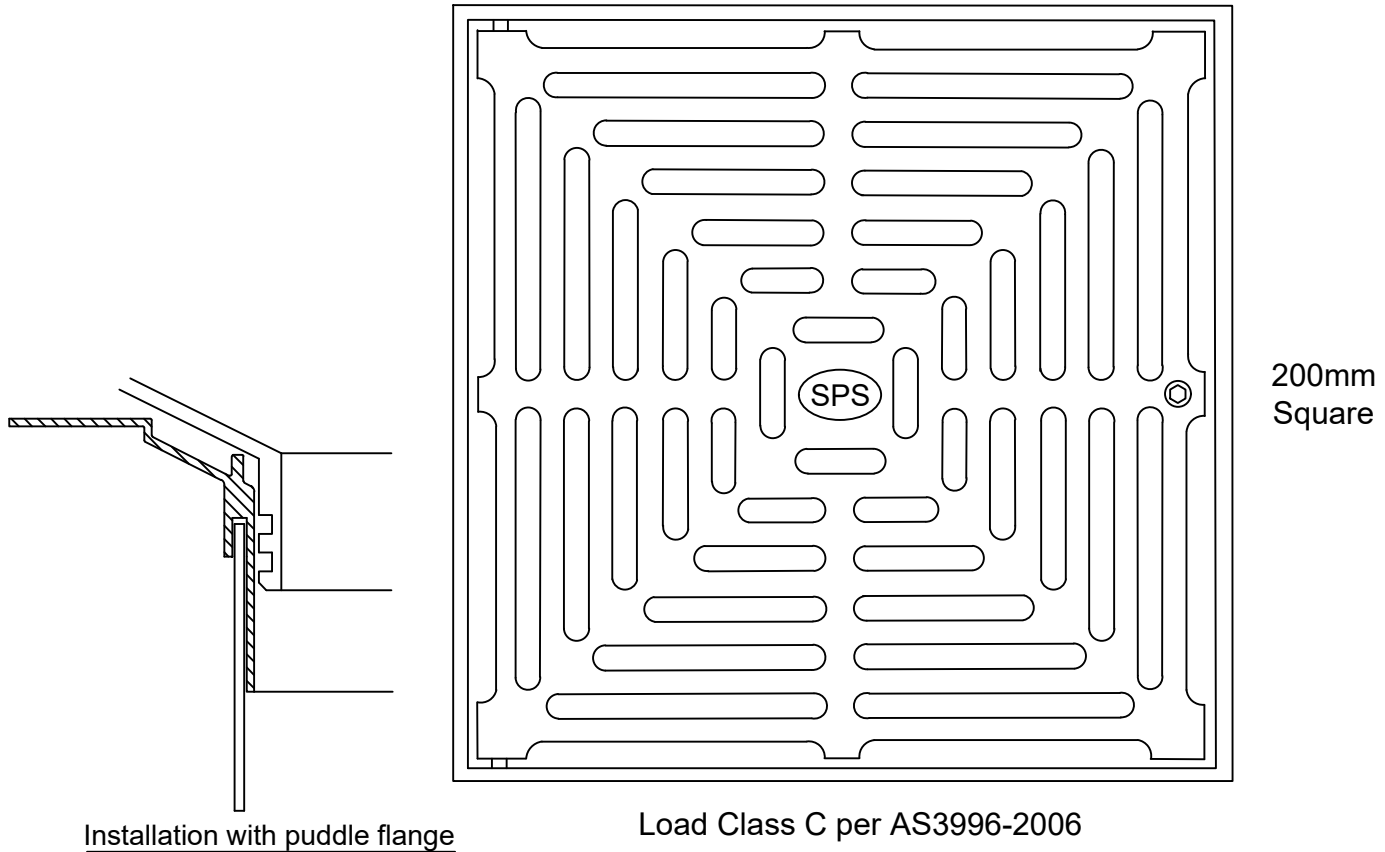
100mm Outlet

Specification code:

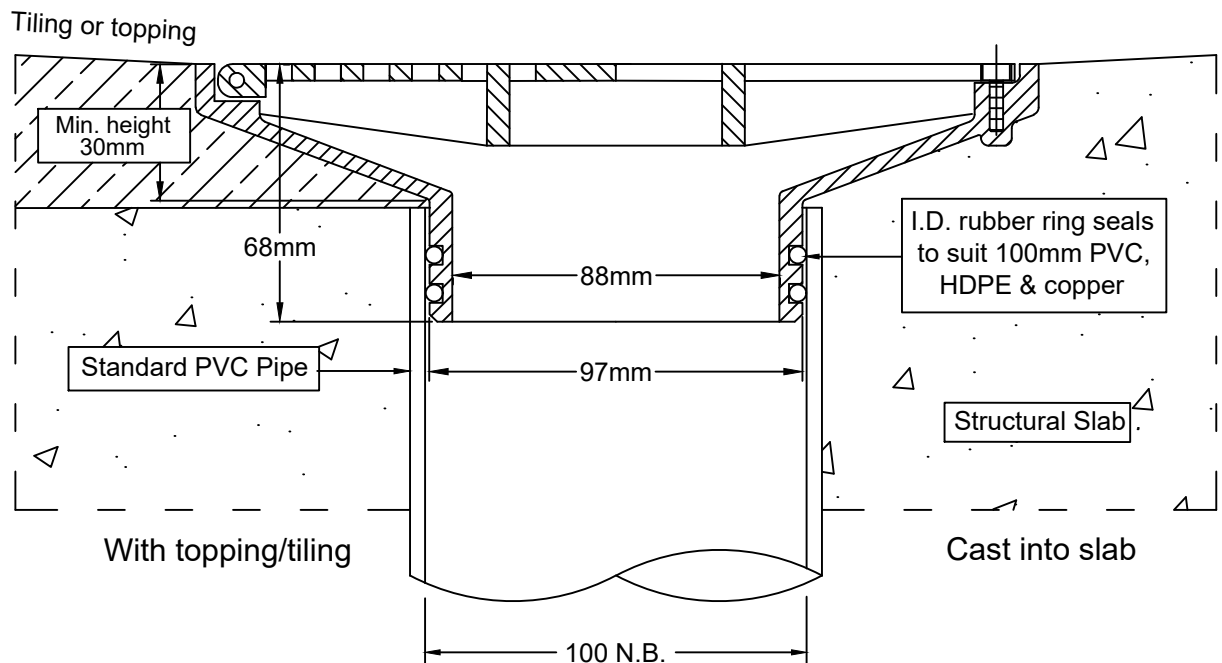
Q200SR (satin 316 stainless steel)

Q200SR4 (polished 304 stainless steel)

High-heel friendly pattern (6mm gaps)



Typical Applications



*For flow rate data please refer to appendix.

Speciality Plumbing Supplies Pty Ltd

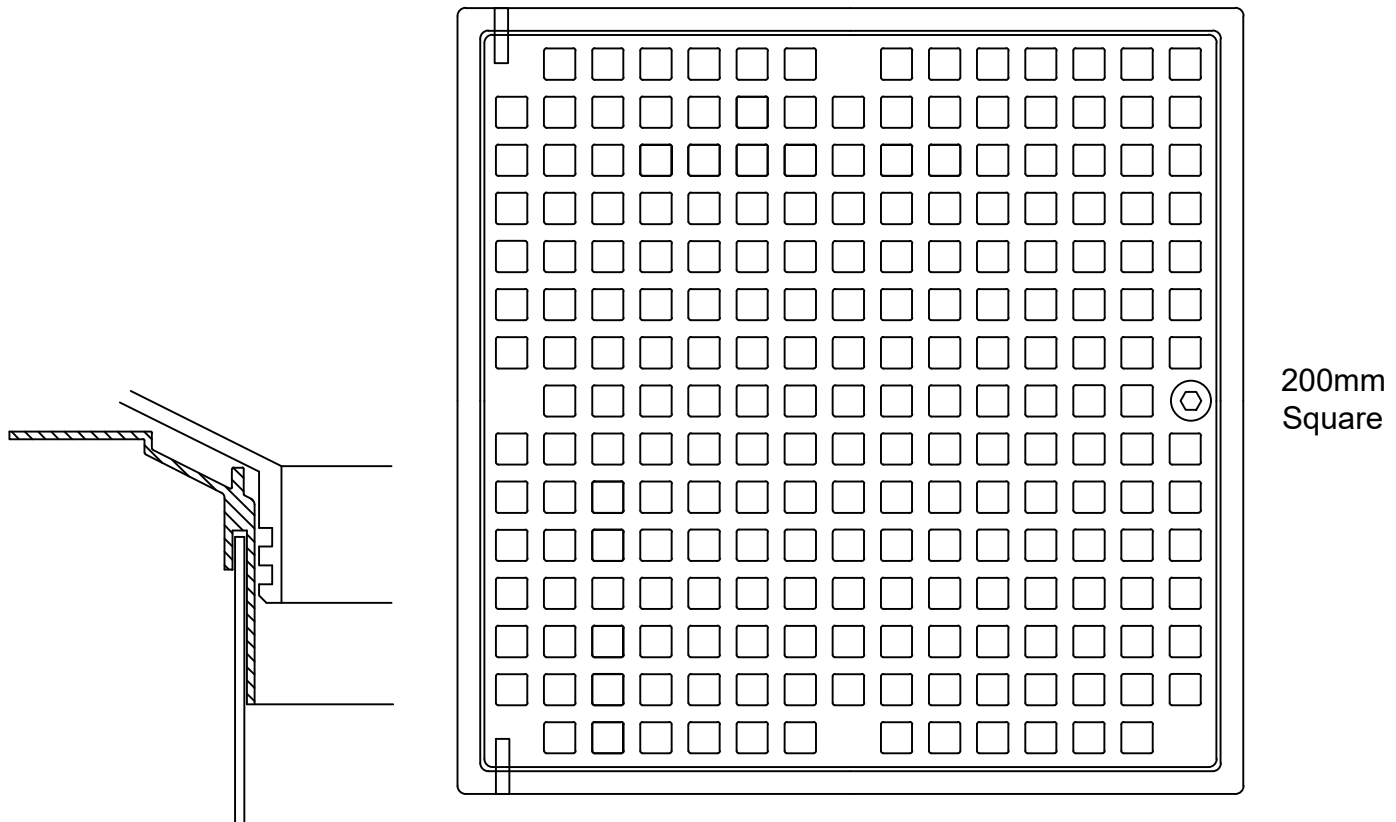
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 200mm Square Push-in Floor Drain

Specification code:
Q200SRQ (satin 316 stainless steel)

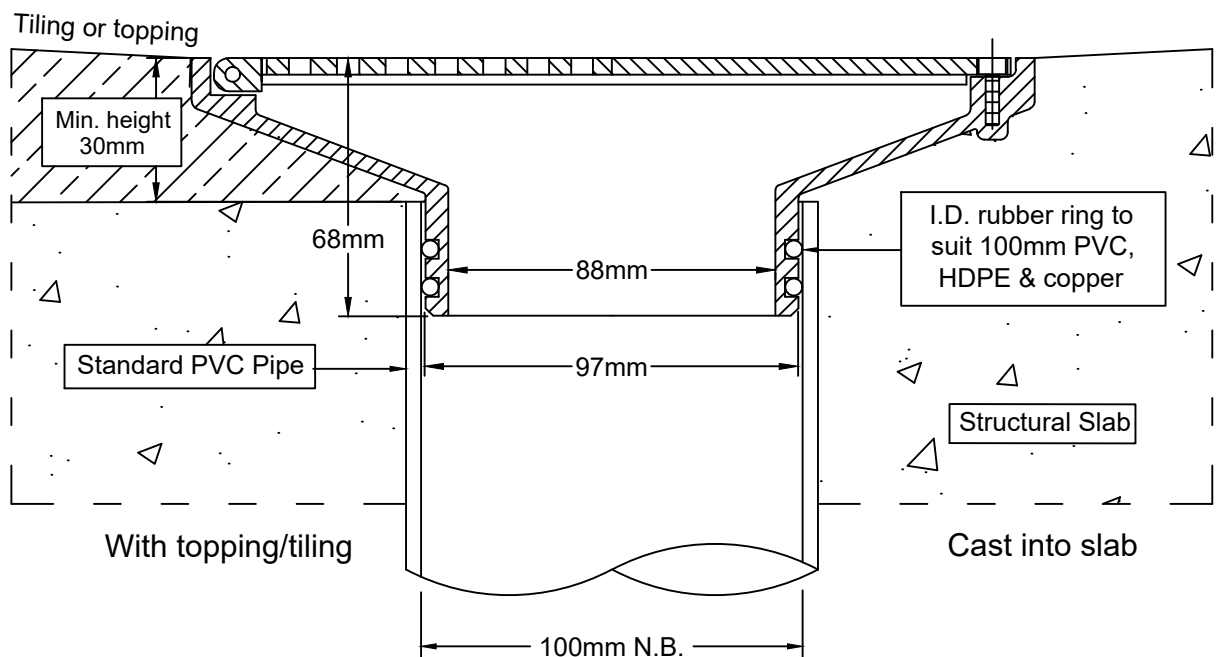
100mm Outlet
(Grid Pattern)

Grid Pattern (8mm sq. holes)



Installation with puddle flange

Typical Applications

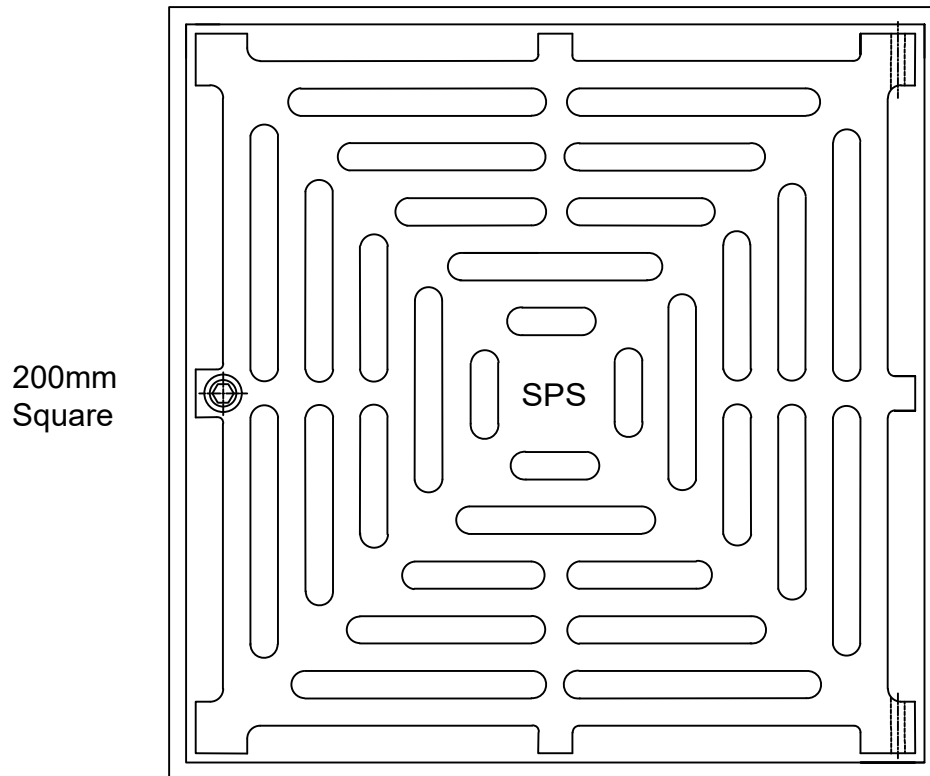


Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

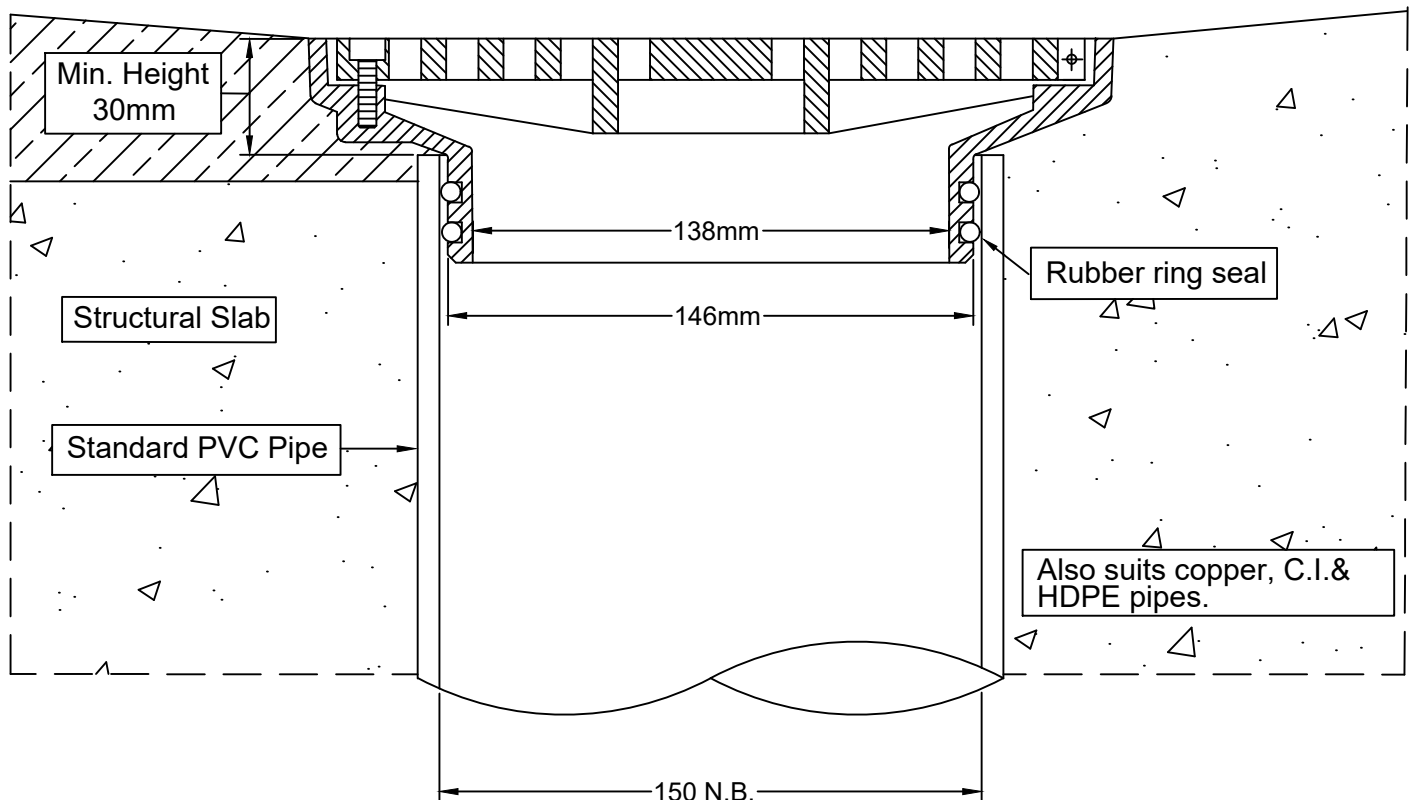
SPS 200/150mm Square Push-in Floor Drain

Specification code:
Q200/150SR (satin 316 stainless steel)



Tiling or Topping

Typical Applications



*For flow rate data please refer to appendix.

Speciality Plumbing Supplies Pty Ltd

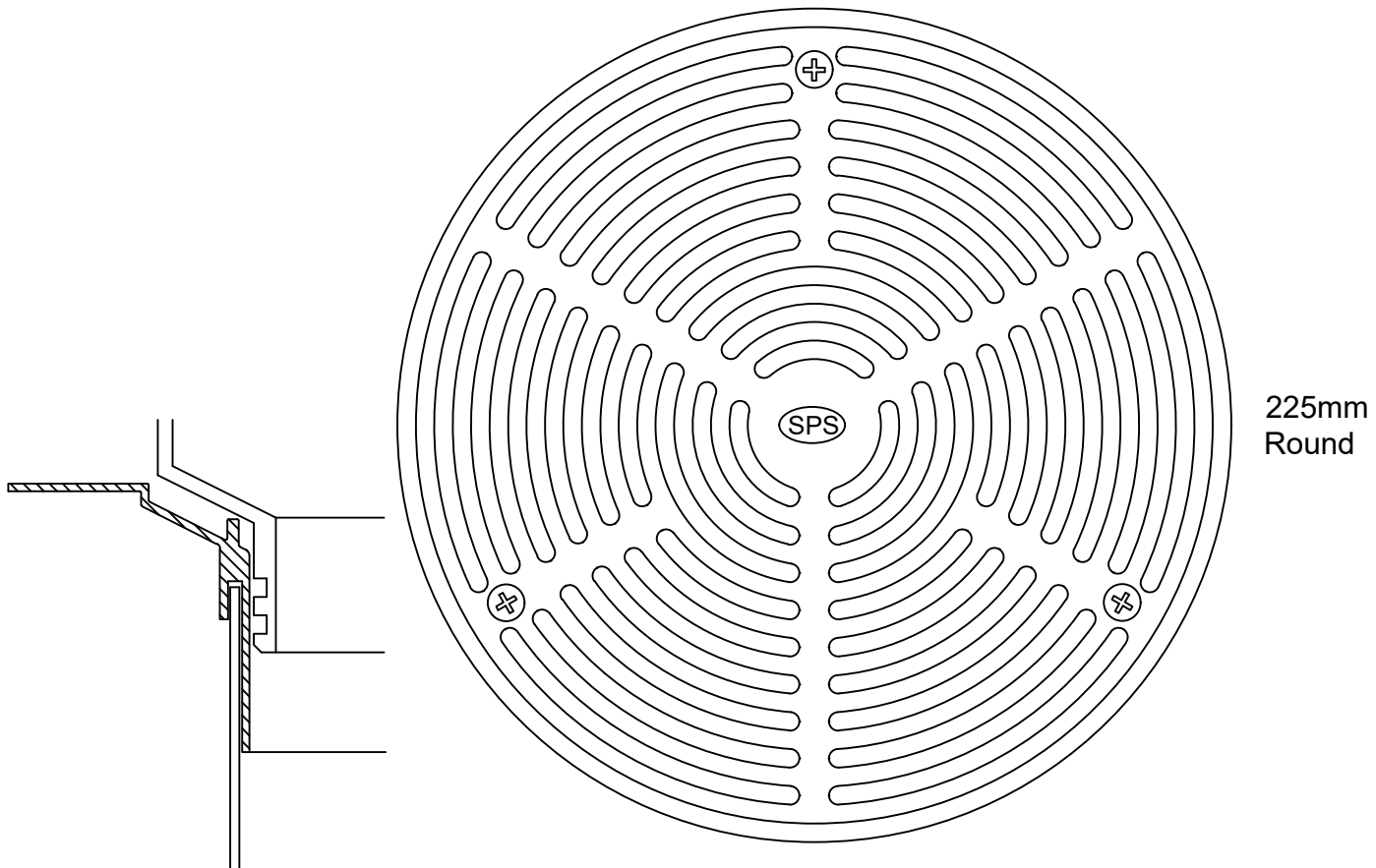
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 225mm Round Push-in Floor Drain

Specification code:
R225SR (satin 316 stainless steel)

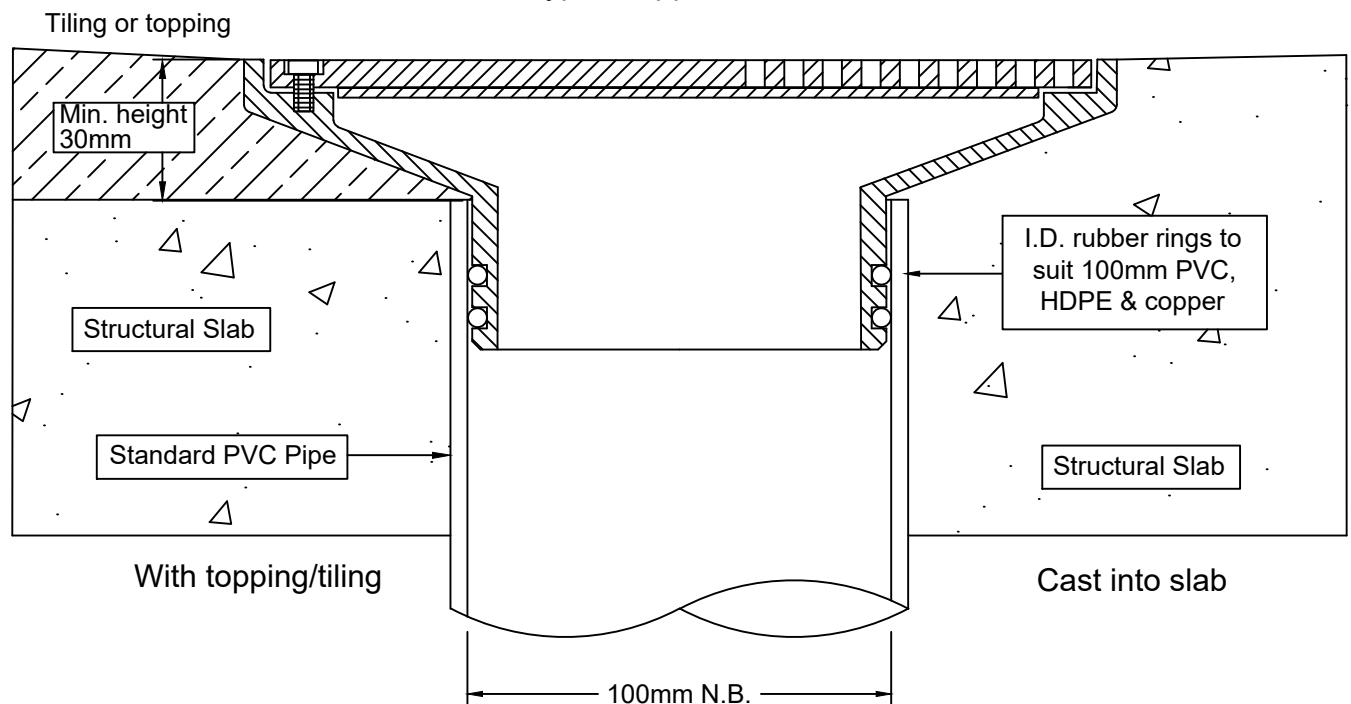
100mm Outlet

High-heel friendly pattern (5.5mm gaps)



Installation with puddle flange

Typical Applications



*For flow rate data please refer to appendix.

Speciality Plumbing Supplies Pty Ltd

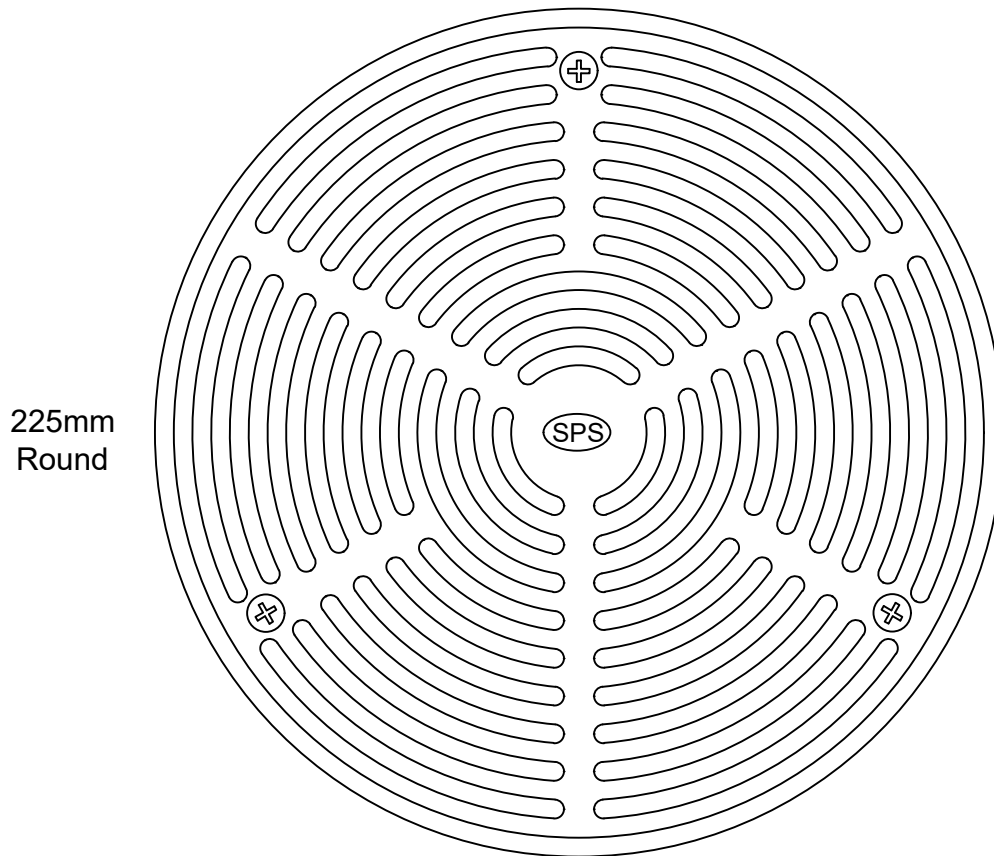
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 225mm Round Push-in Floor Drain

150mm Outlet

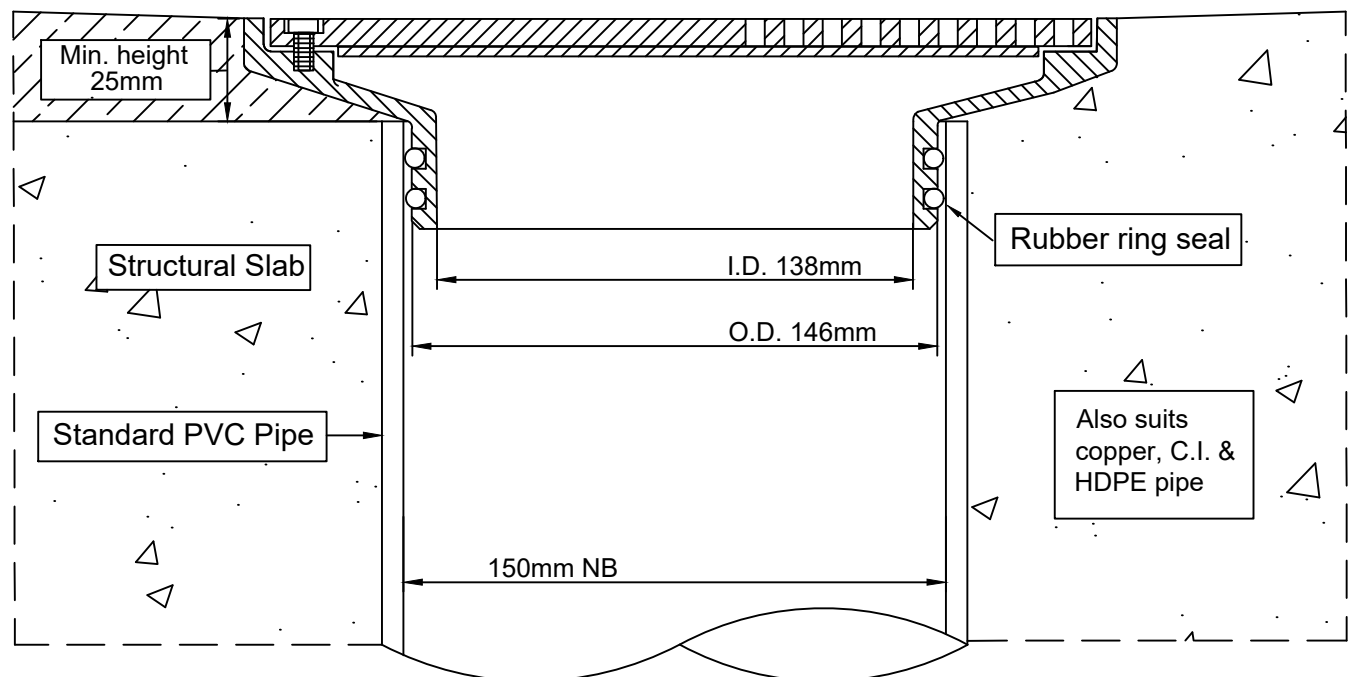
Specification code:
R225/150SR (satin 316 stainless steel)

High-heel friendly pattern (5.5mm gaps)



Typical Applications

Tiling or topping



*For flow rate data please refer to appendix.

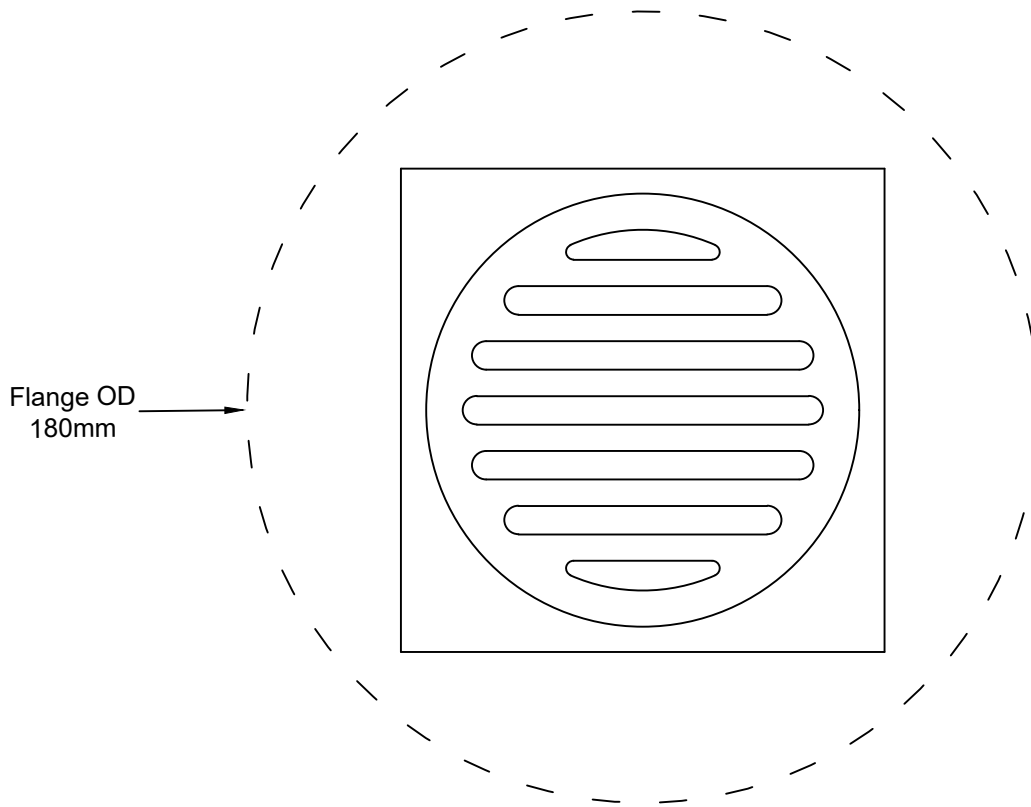
Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

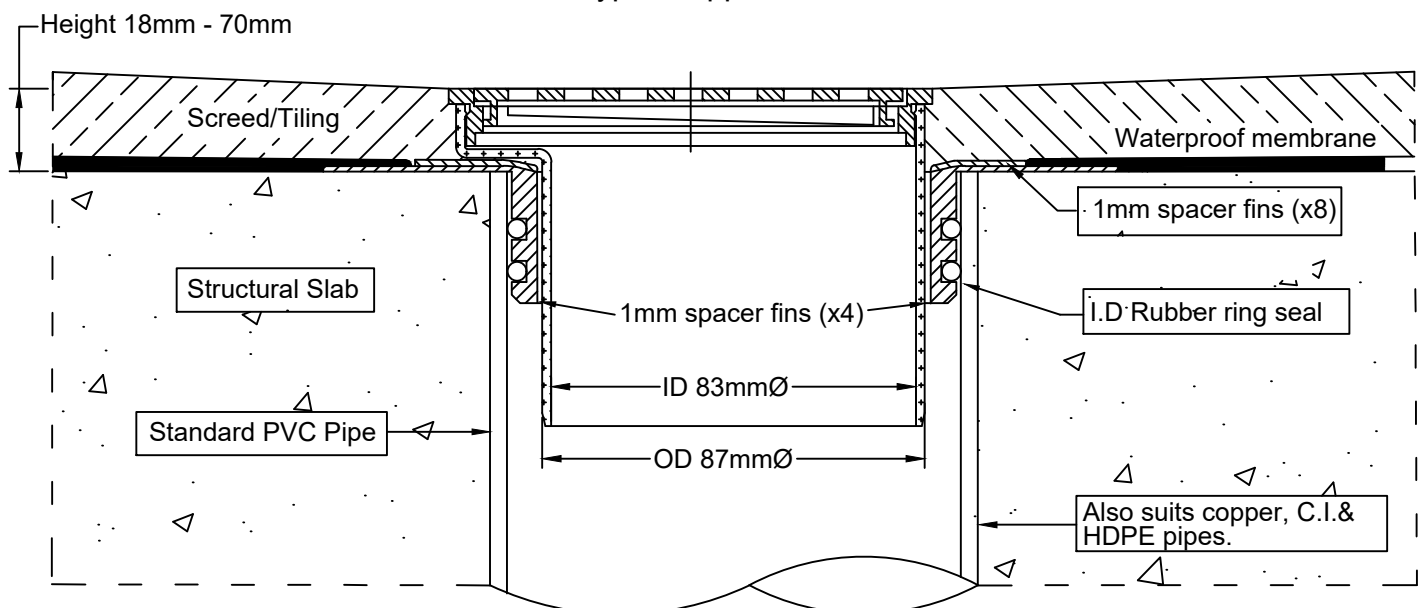
SPS Special Square Floor Waste with 100mm Lo-profile Retro-fit Puddle Flange

Specification codes:
 DG100SL2B/PF (Polished 316 Stainless Steel)
 Includes 100mm retro-fit puddle flange in ABS plastic

- Retro-fit puddle flange with ultra-thin face.
- Domestic-style floor waste assembly with PVC tail slips inside I.D. of flange. 1mm spacer fins allow for proper leak control.
- Currently available in polished 316 stainless steel only.



Typical Application



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 130mm Round Floor Waste with 100mm Lo-profile Retro-fit Puddle Flange

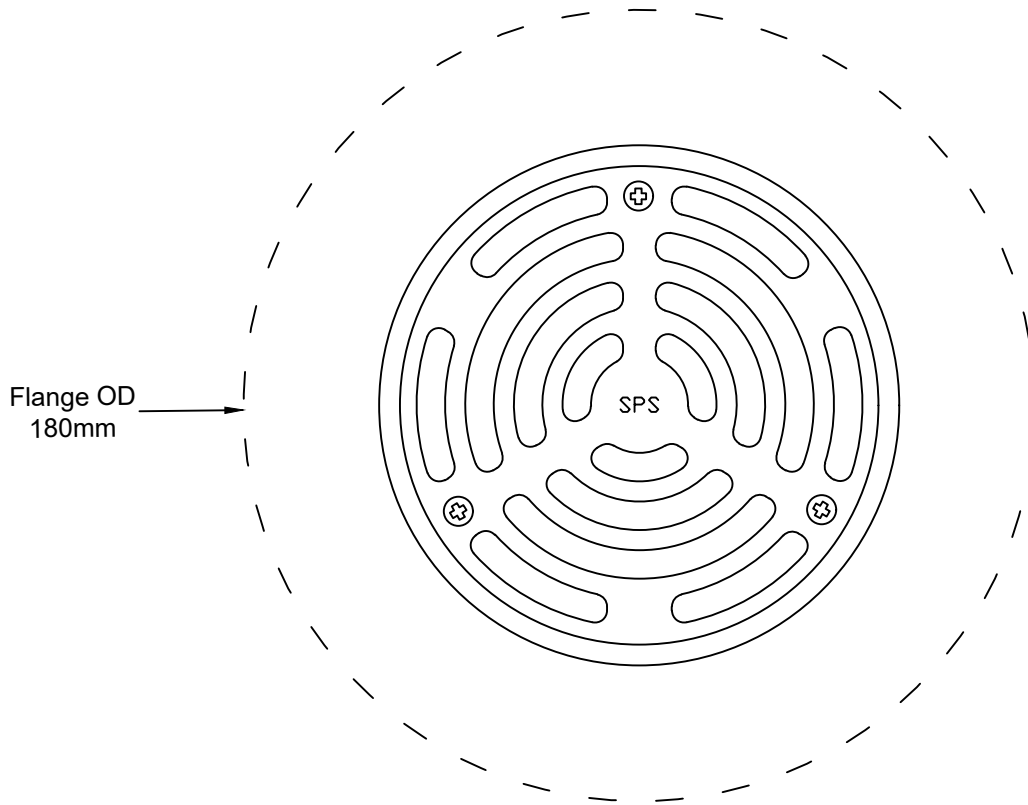
Specification codes:

R130/87S/PF (satin 316 SS floor waste)

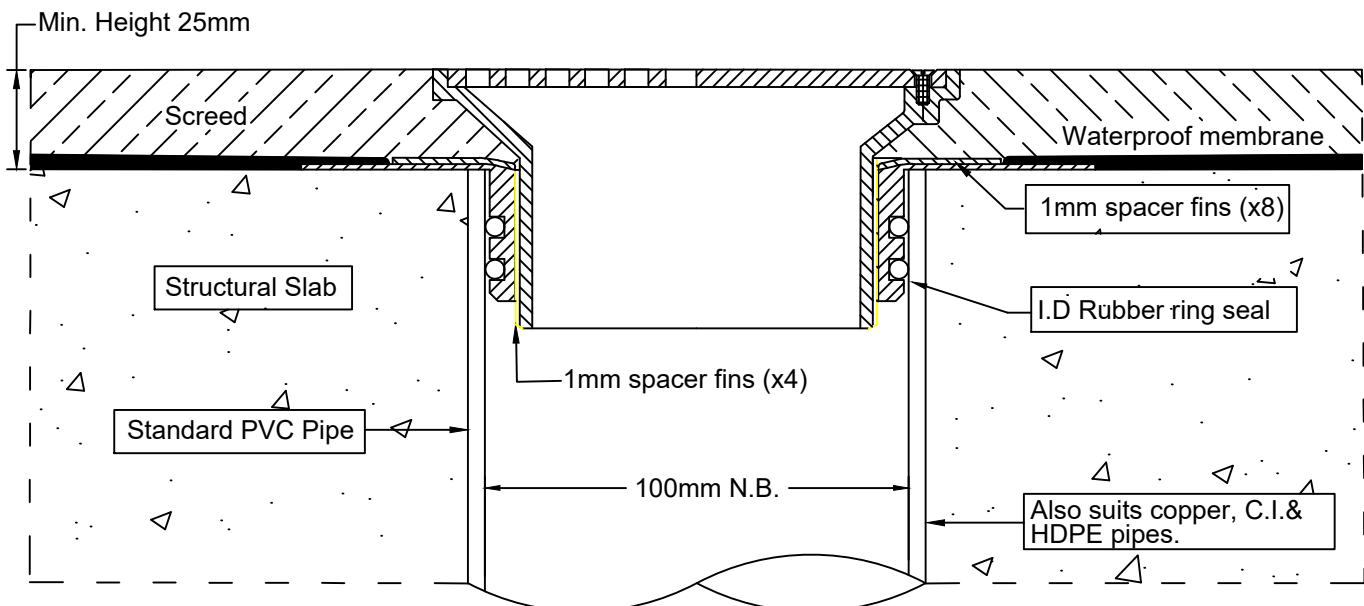
R130/87SP/PF (satin 316 SS clean out) *special order*

Includes 100mm retro-fit puddle flange in ABS plastic

- Retro-fit puddle flange with ultra-thin face.
- Floor waste assembly slips inside I.D. of flange. 1mm spacer fins allow for proper leak control.
- Floor waste available satin 316 stainless steel.
- Satin 316 SS cleanout (solid top) also available by special order.



Typical Application



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 130mm Square Floor Waste with 100mm Lo-profile Retro-fit Puddle Flange

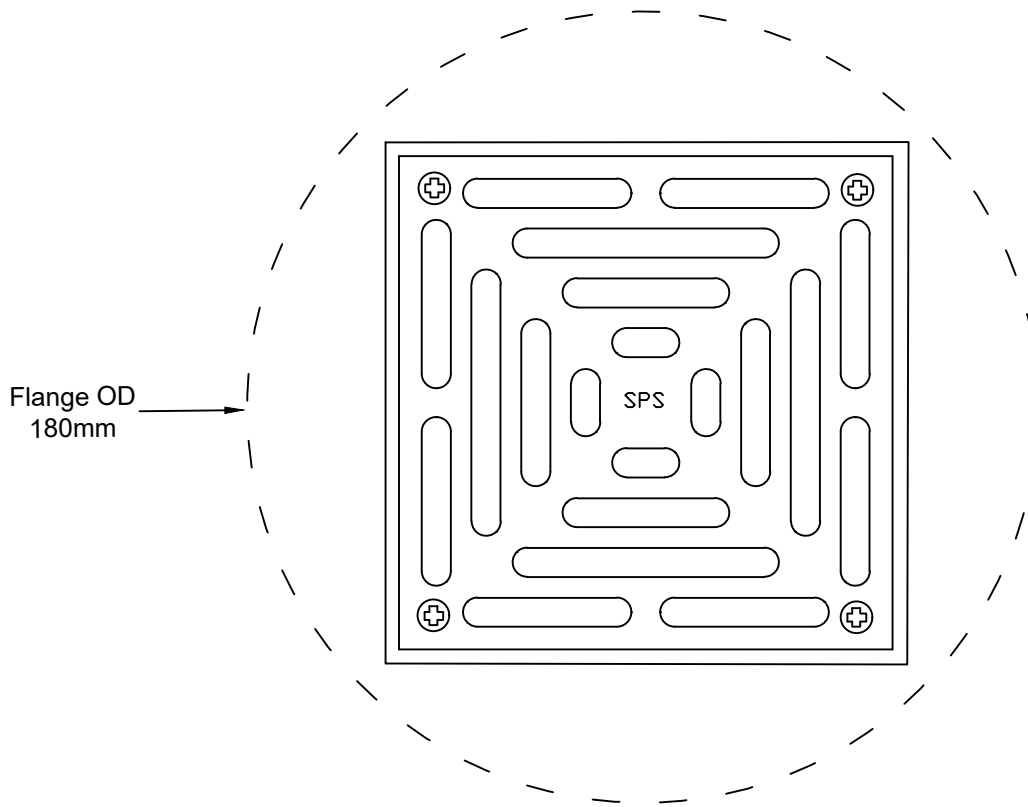
Specification codes:

Q130/87S/PF (Polished 304 Stainless Steel)

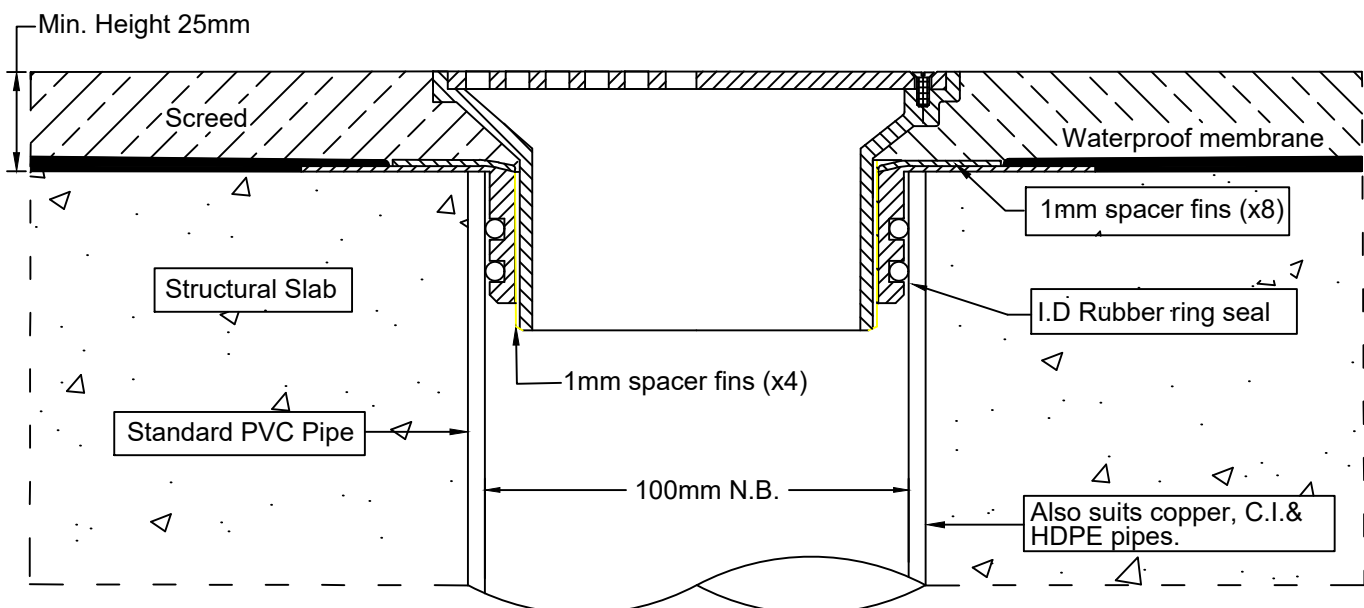
Q130/87S6/PF (Satin 316 Stainless Steel)

Includes 100mm retro-fit puddle flange in ABS plastic

- Retro-fit puddle flange with ultra-thin face.
- Floor waste assembly slips inside I.D. of flange. 1mm spacer fins allow for proper leak control.
- Available in polished 304 or satin 316 stainless steel.
- Cleanouts also available - polished and non-slip.



Typical Application



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Square Floor Waste with 100mm Lo-profile Retro-fit Puddle Flange

Specification codes:

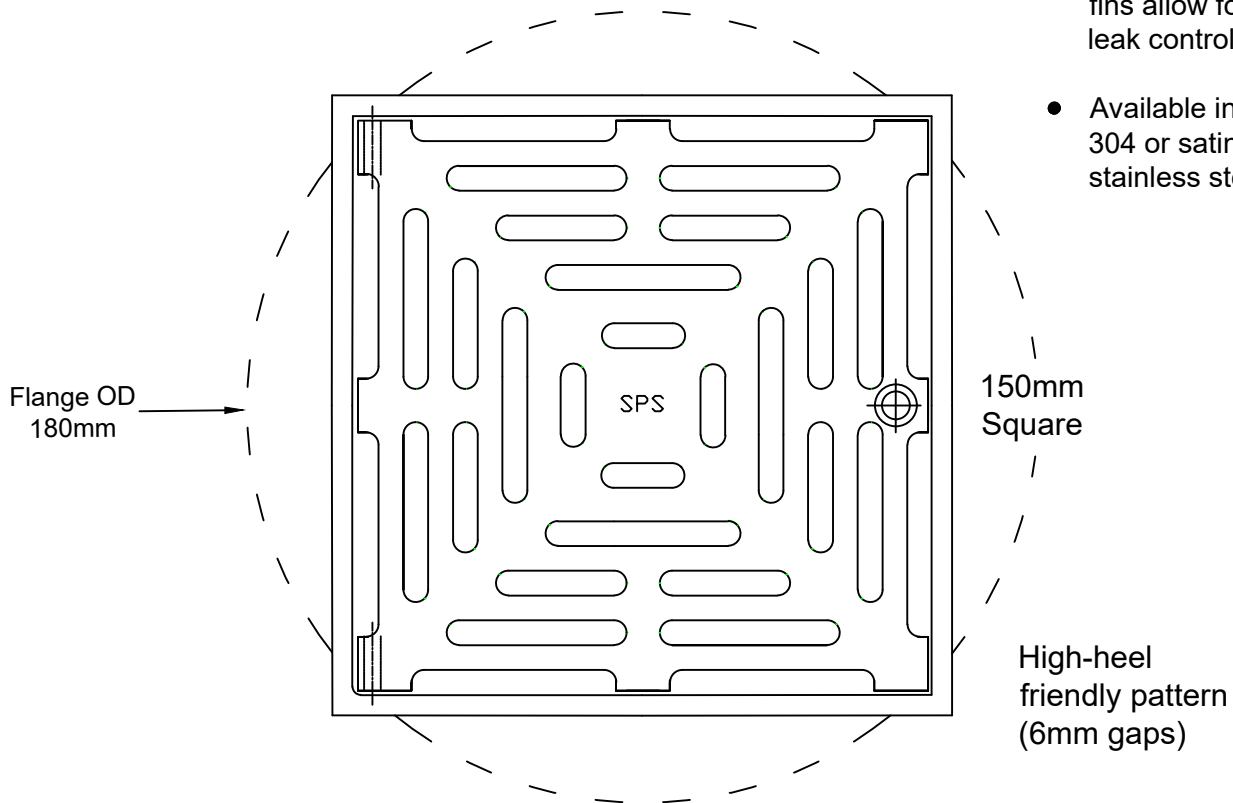
QH150/87S4/PF (Polished 304 Stainless Steel)

QH150/87S6/PF (Satin 316 Stainless Steel)

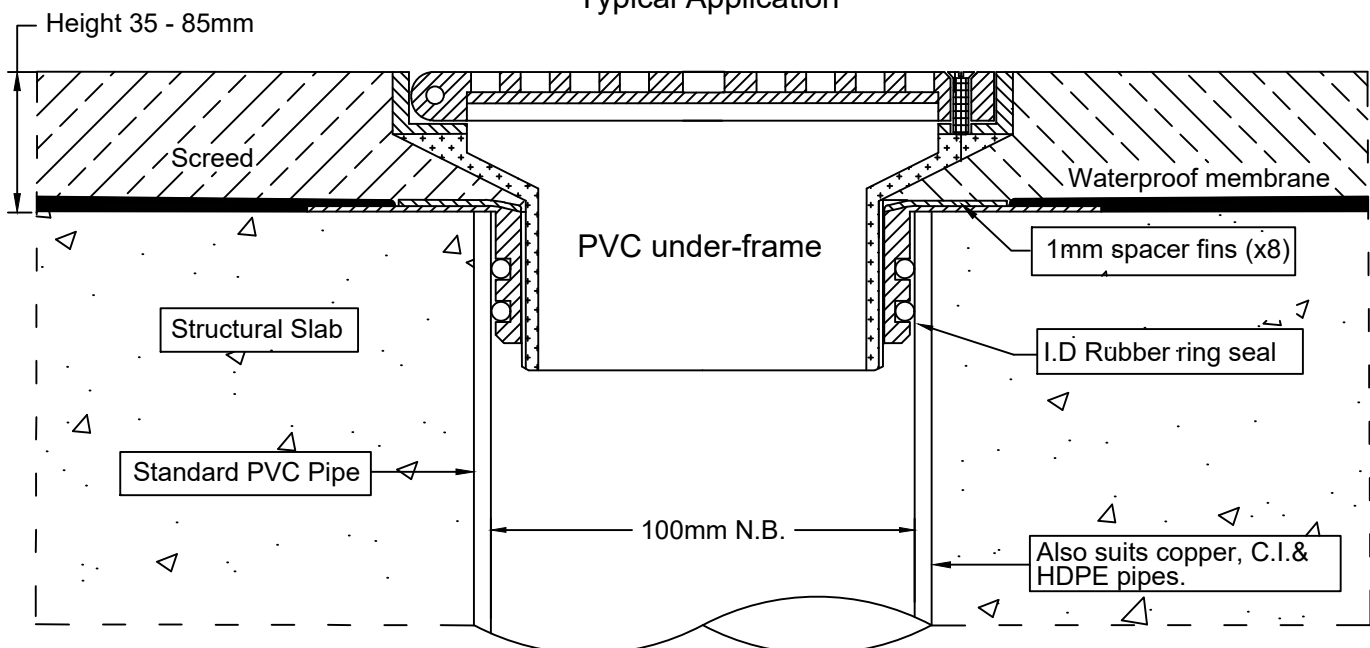
Includes 100mm retro-fit puddle flange in ABS plastic

*Note: underframe of grate assembly is PVC plastic

- Retro-fit puddle flange with ultra-thin profile.
- Floor waste assembly slips inside I.D. of flange. 1mm spacer fins allow for proper leak control.
- Available in polished 304 or satin 316 stainless steel.



Typical Application



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

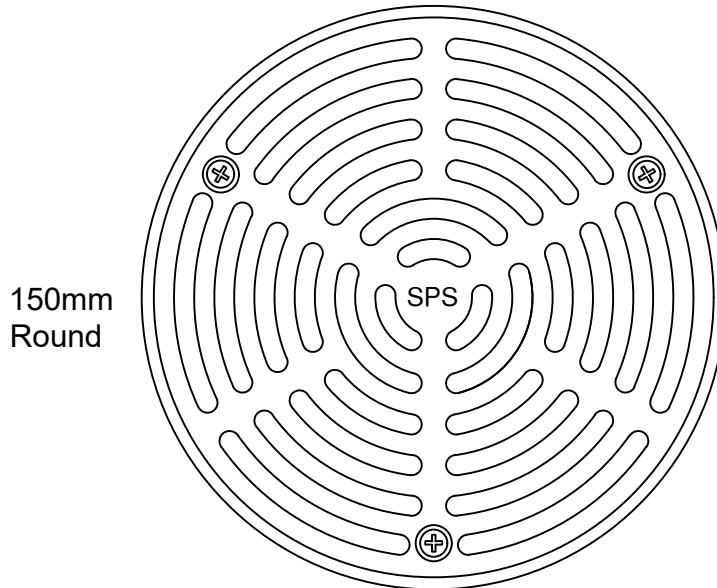
SPS 150mm Round Retro-fit Floor Drain

Specification codes:

R150G/Q (bronze grate, CI retro-fit body) *special order*
 R150N/Q (nickel bronze grate, CI retro-fit body) *special order*
 R150S4/Q (polished 304 stainless steel grate, CI retro-fit body)
 R150S/Q (satin 316 stainless steel grate, CI retro-fit body)

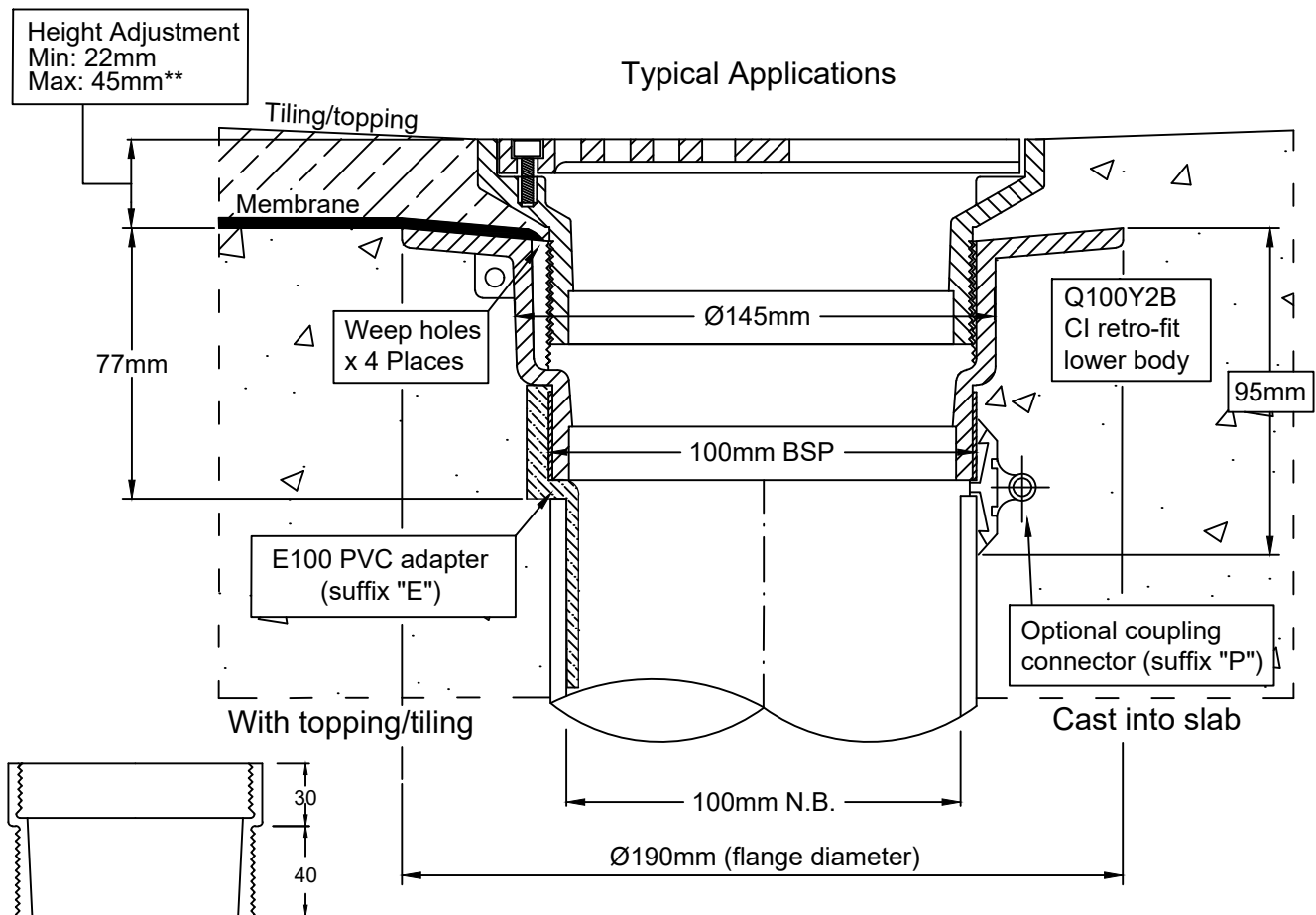
100mm outlet

High-heel friendly pattern (5mm gaps)



- Height-adjustable high-heel friendly grate assembly.
- Available in bronze, nickel bronze, 304 and 316 stainless steel.
- Q100Y2B cast iron retro-fit body fits inside a Ø150mm core hole.
 316 SS lower body available by special order

Typical Applications



**Optional Extension Piece

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Square Retro-fit Floor Drain

100mm Outlet

Specification codes:

Q150G/Q (bronze grate, CI retro-fit body) *special order*

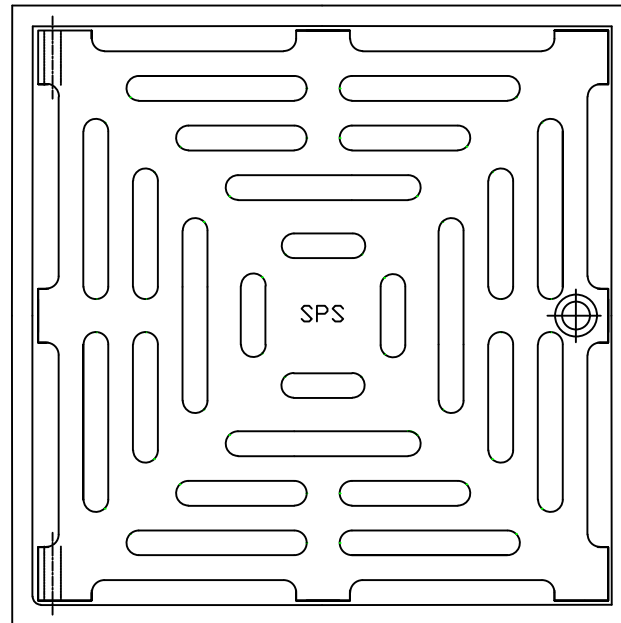
Q150N/Q (nickel bronze grate, CI retro-fit body) *special order*

Q150S4/Q (polished 304 stainless steel grate, CI retro-fit body)

Q150S/Q (satin 316 stainless steel grate, CI retro-fit body)

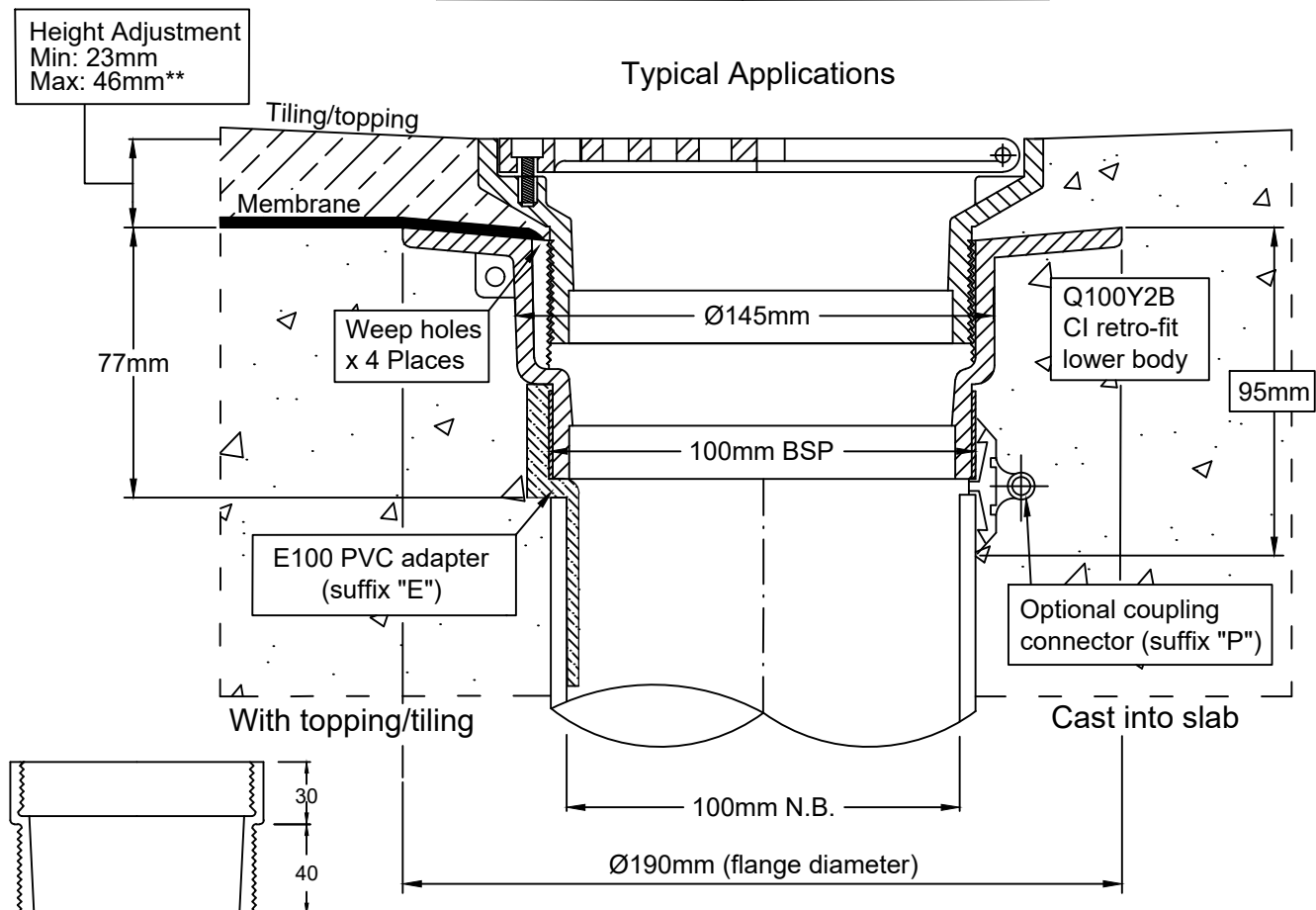
High-heel friendly pattern (6mm gaps)

150mm
Square



- Height-adjustable hinged grate & frame.
- Square top available in bronze, nickel bronze, 304 and 316 stainless steel.
- Q100Y2B cast iron retro-fit body fits inside a Ø150mm core hole.
316 SS lower body available by special order

Typical Applications



**Optional Extension Piece

Speciality Plumbing Supplies Pty Ltd

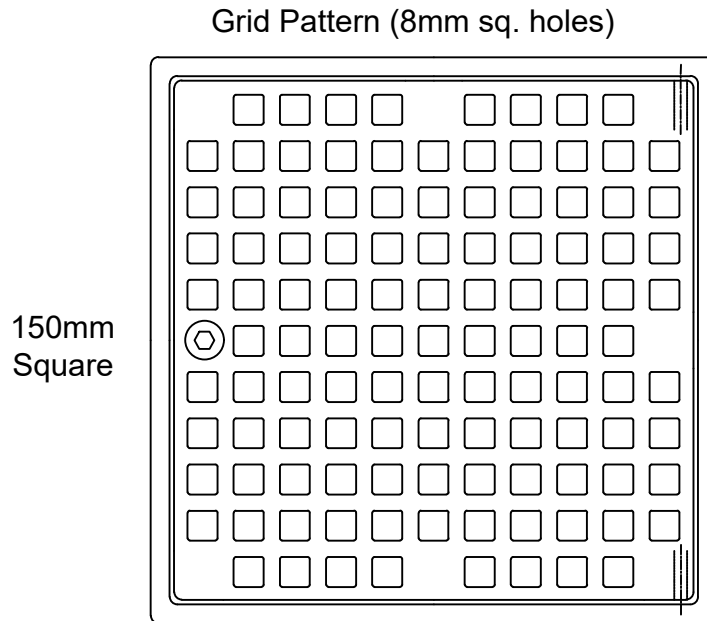
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Square Retro-fit Floor Drain

Specification codes:

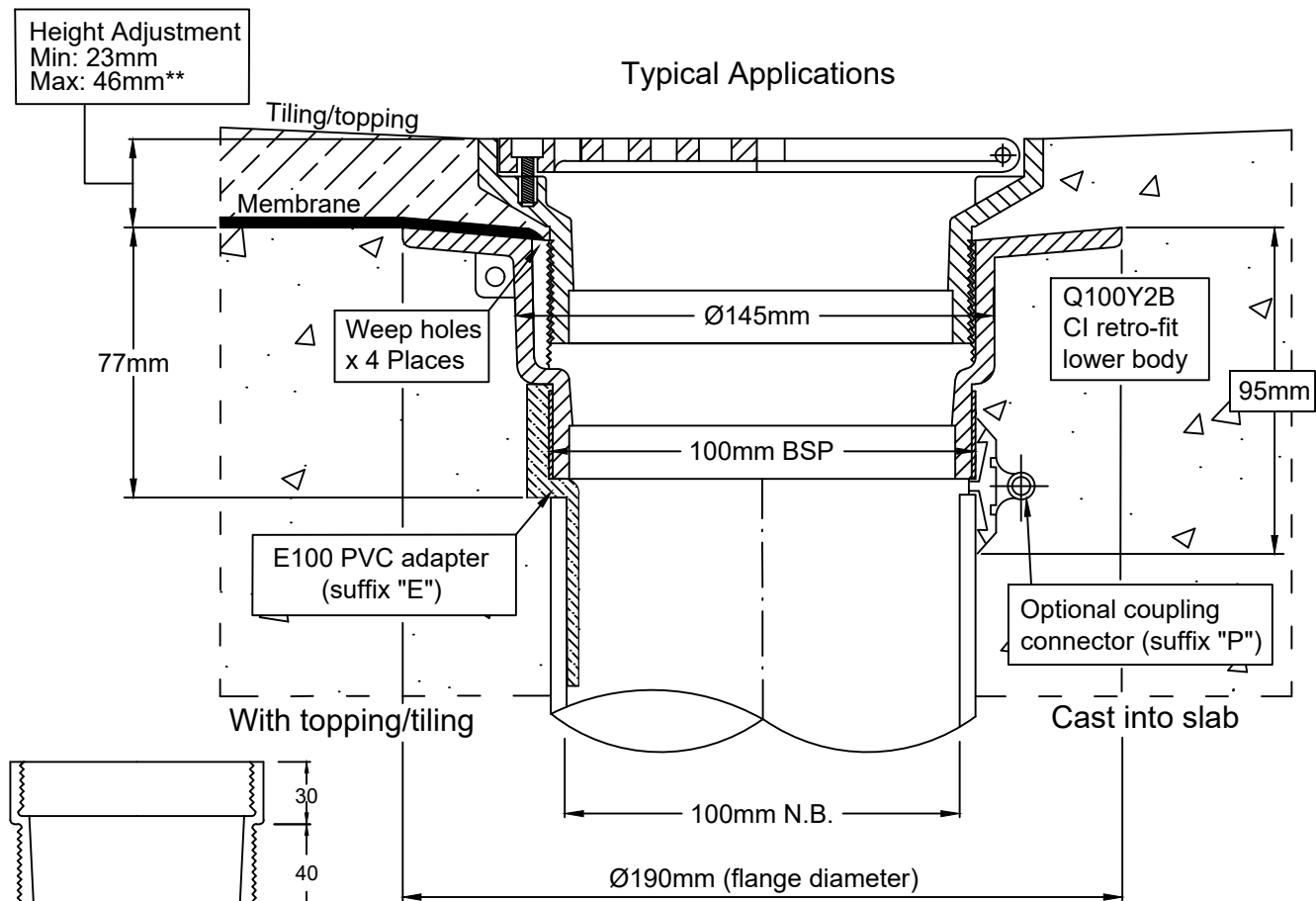
Q150SQ/Q (satin 316 stainless steel grate, CI retro-fit body)

100mm Outlet
(Grid Pattern)



- Height-adjustable hinged grate & frame.
- Square top available in 316 stainless steel (304 stainless steel non-stock option).
- Q100Y2B cast iron retro-fit body fits inside a Ø150mm core hole.
316 SS lower body available by special order

Typical Applications



**Optional Extension Piece

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 200mm Square Retro-fit Floor Drain

100mm Outlet

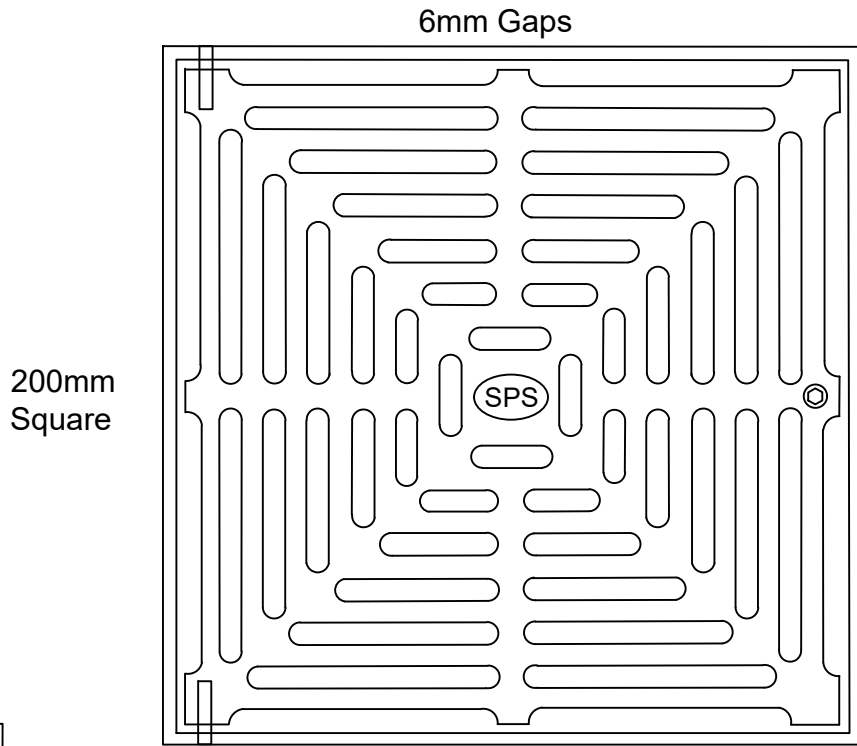
Specification codes

Q200G/Q (bronze grate, CI retro-fit body) *special order*

Q200N/Q (nickel bronze grate, CI retro-fit body) *special order*

Q200S4/C (polished 304 stainless steel grate, CI retro-fit body)

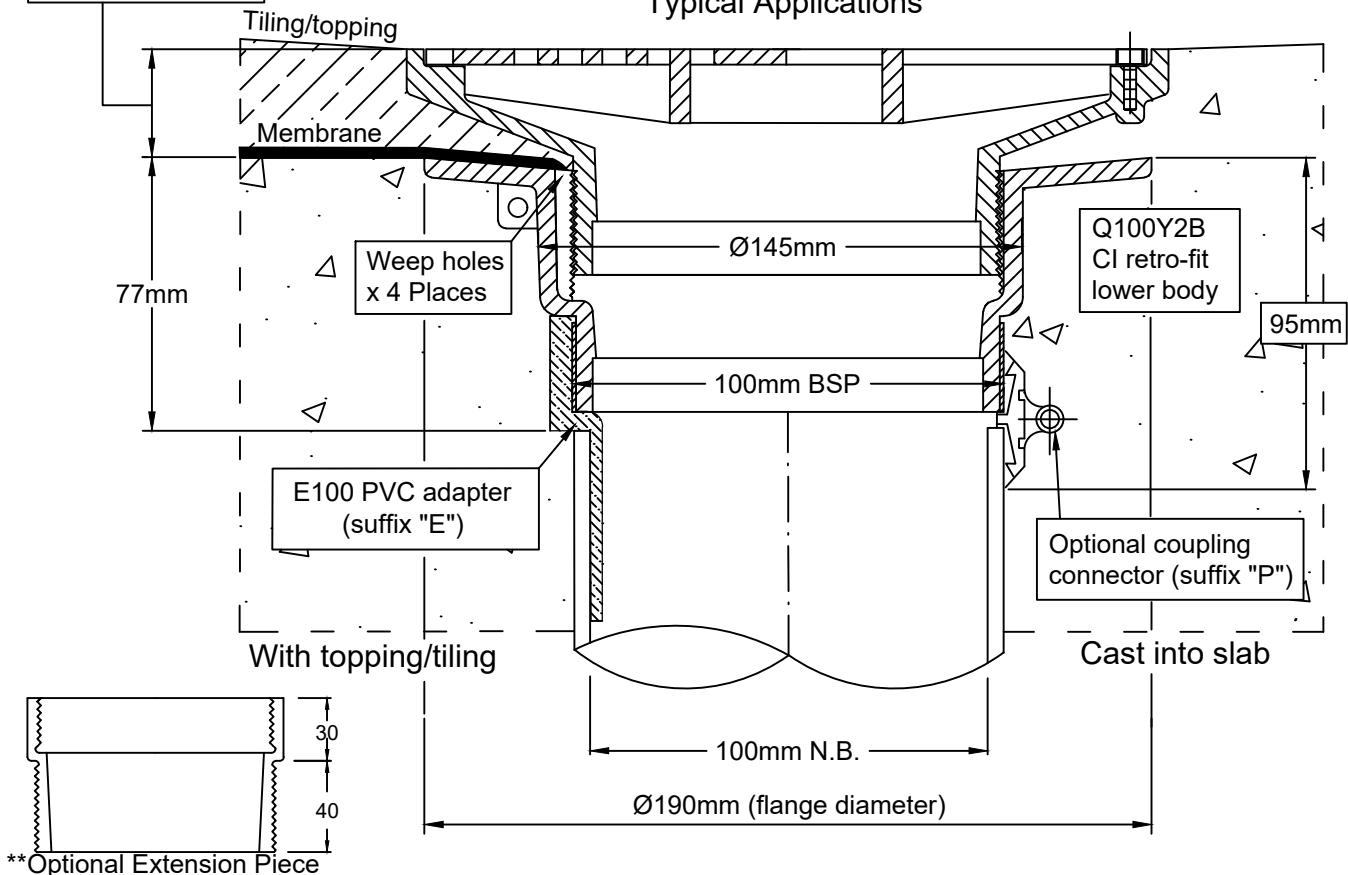
Q200S/Q (satin 316 stainless steel grate, CI retro-fit body)



- Height-adjustable high-heel friendly grate assembly.
- Available in bronze, nickel bronze and stainless steel (SS model is hinged).
- Q100Y2B cast iron retro-fit body fits inside a Ø150mm core hole.
316 SS lower body available by special order

Height Adjustment
Min: 25mm
Max: 45mm**

Typical Applications



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 200mm Square Retro-fit Floor Drain

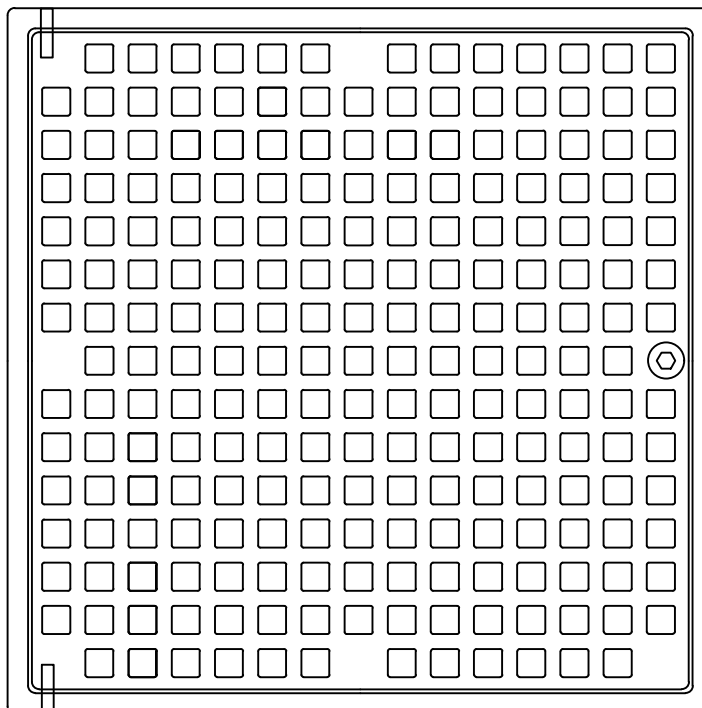
Specification codes:

Q200SQ/Q (316 stainless steel grate, CI retro-fit body)

100mm Outlet (Grid Pattern)

Grid Pattern (8mm sq. holes)

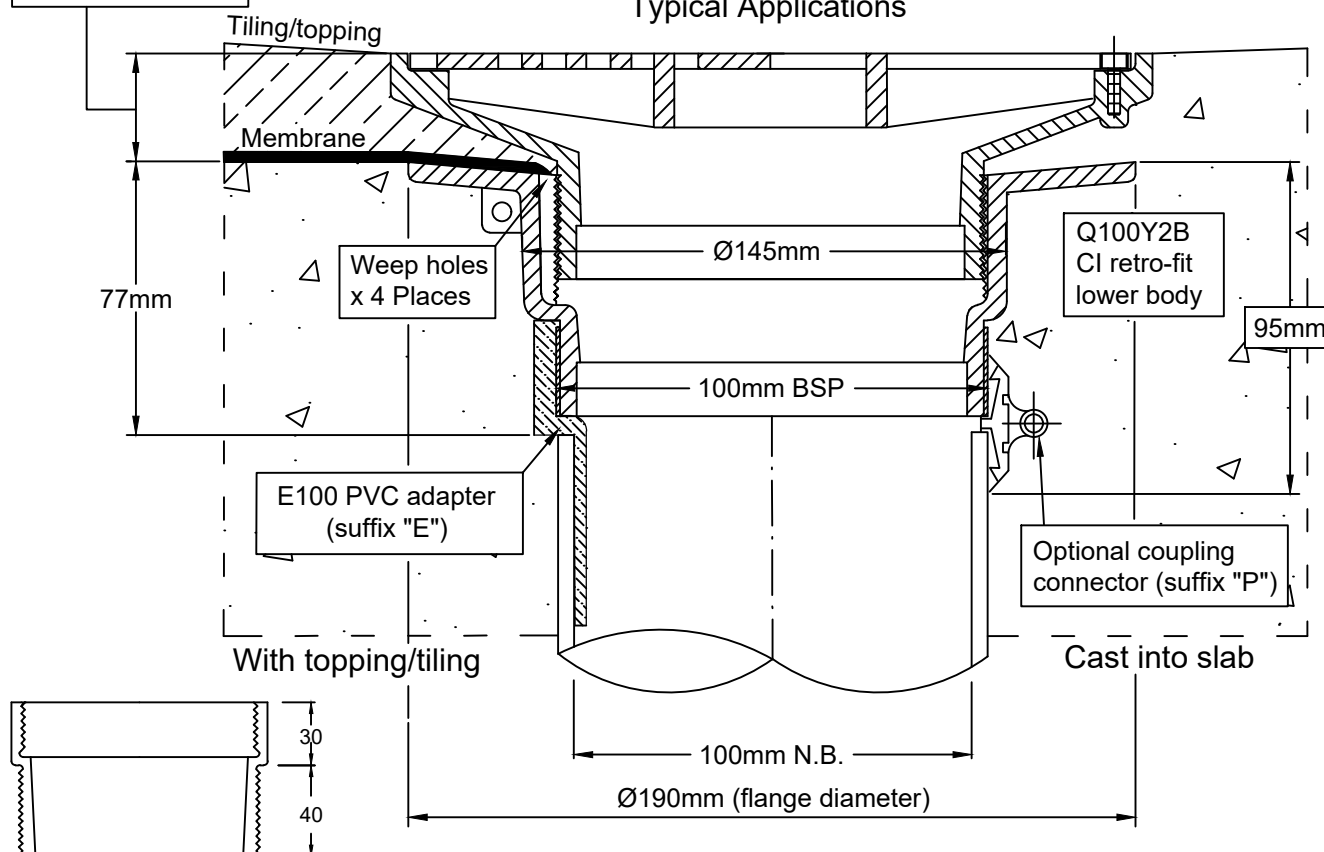
200mm
Square



- Height-adjustable hinged grate assembly.
- Available in 316 stainless steel.
- Q100Y2B cast iron retro-fit body fits inside a Ø150mm core hole.
316 SS lower body available by special order

Height Adjustment
Min: 25mm
Max: 45mm**

Typical Applications



**Optional Extension Piece

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 225mm Round Retro-fit Floor Drain

Specification codes

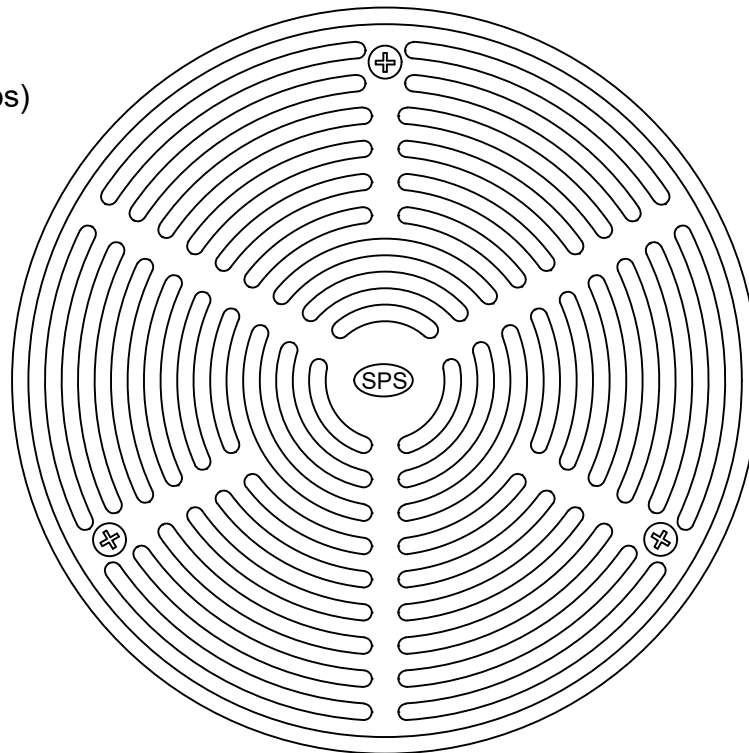
R225N/Q (nickel bronze grate, CI retro-fit body) *special order*

R225S/Q (316 stainless steel grate, CI retro-fit body)

100mm Outlet

High-heel friendly
pattern (5.5mm gaps)

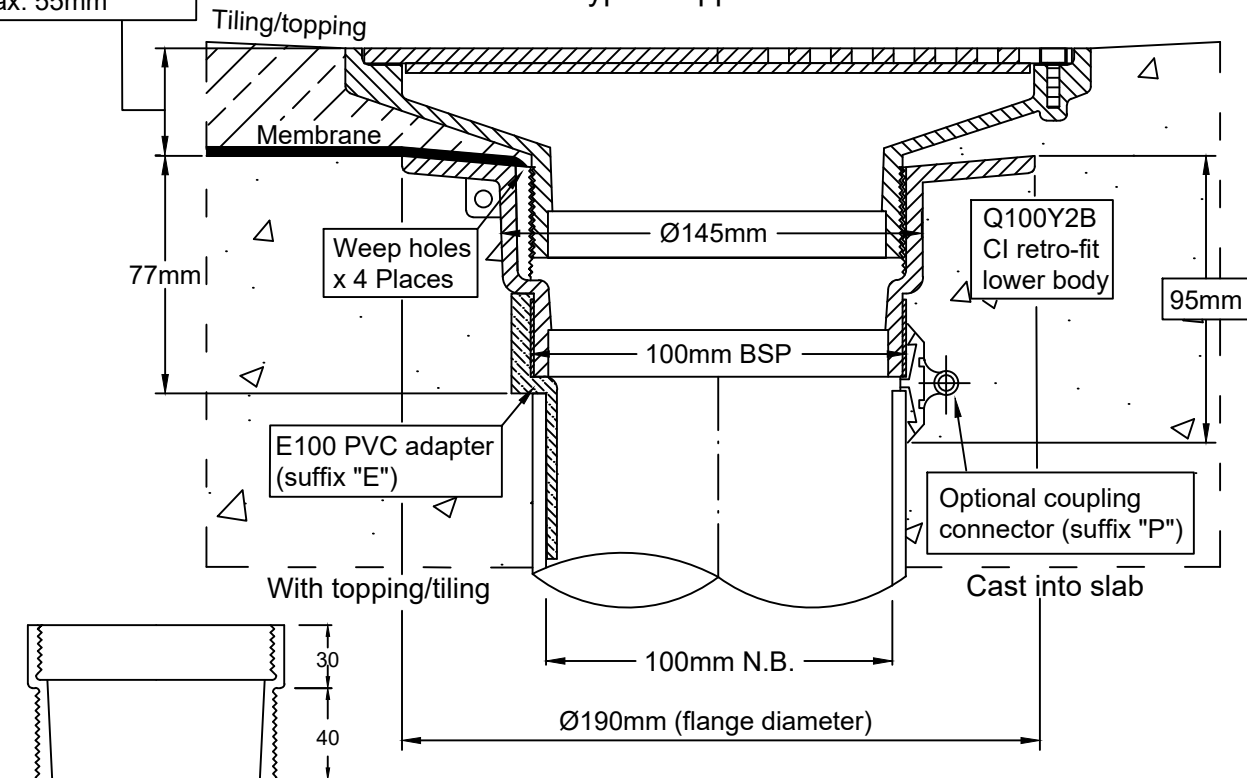
225mm
Round



- Height-adjustable high-heel friendly grate assembly.
- Available nickel bronze and 316 stainless steel.
- Q100Y2B cast iron retro-fit body fits inside a Ø150mm core hole. *316 SS lower body available by special order*

Height Adjustment
Min: 30mm
Max: 55mm**

Typical Applications



**Optional Extension Piece

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SECTION 3

Vari-level Drains – Vertical Outlets

		<u>To suit pipe size (mm):</u>
3.01	100mm Round	50 / 65
3.02	100mm Square	50 / 65
3.03	130mm Round	50 / 65
3.04	130mm Square	50 / 65
3.05	130mm Square (Grid Pattern)	50 / 65
3.06	130mm Round	100
3.07	130mm Square	100
3.08	130mm Square (Grid Pattern)	100
3.09	150mm Round	100
3.10	150mm Square	100
3.11	150mm Square (Grid Pattern)	100
3.12	200mm Square	100
3.13	200mm Square (Grid Pattern)	100
3.14	225mm Round	100
3.15	100m Truflo – Vari-Level Floor Drains	100
3.16	200mm Square (150 outlet)	150 (or 100)
3.17	225mm Round (150 outlet)	150 (or 100)
3.18	225mm Square (150 outlet)	150 (or 100)
3.19	300mm Round (150 outlet)	150 (or 100)
3.20	300mm Square (150 outlet)	150 (or 100)
3.21	300mm Square - Special Fine Pattern (150 outlet)	150 (or 100)

SPS 100mm Round Vari-Level Vertical Drain

65/50mm Outlet

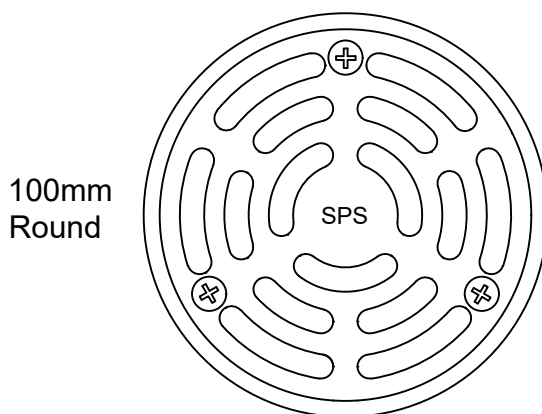
Specification code:

R100G/C65 (bronze grate, CI lower body) *special order*

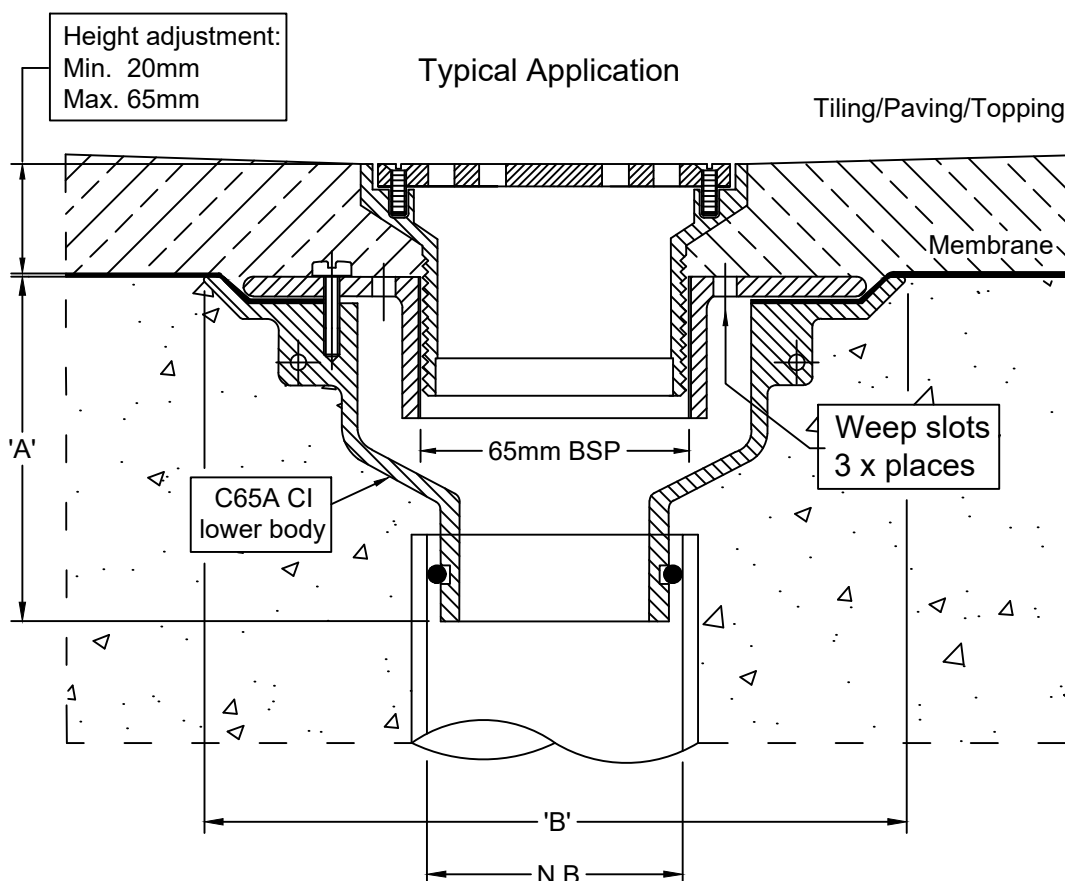
R100N/C65 (nickel bronze grate, CI lower body) *special order*

R100S4/C65 (polished 304 stainless steel grate, CI lower body)

R100S/C65 (satin 316 stainless steel grate, CI lower body)



- Round grate available in polished 304 & satin 316 Stainless Steel. Bronze and nickel-bronze available by special order.
- Cast iron lower body and reversible membrane clamp collar with female 65mm BSP thread.



Outlet pushes into 65mm PVC or copper with o-ring connection, or connects to 50mm PVC / HDPE with no-hub coupling.

N.B.	A	B
50	90	180
65	60	180

Speciality Plumbing Supplies Pty Ltd

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SPS 100mm Square Vari-Level Vertical Drain

65/50mm Outlet

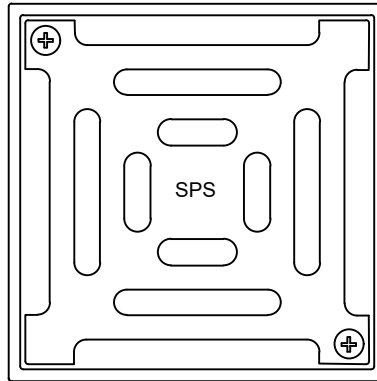
Specification code:

Q100G/C65 (bronze grate, CI lower body) *special order*

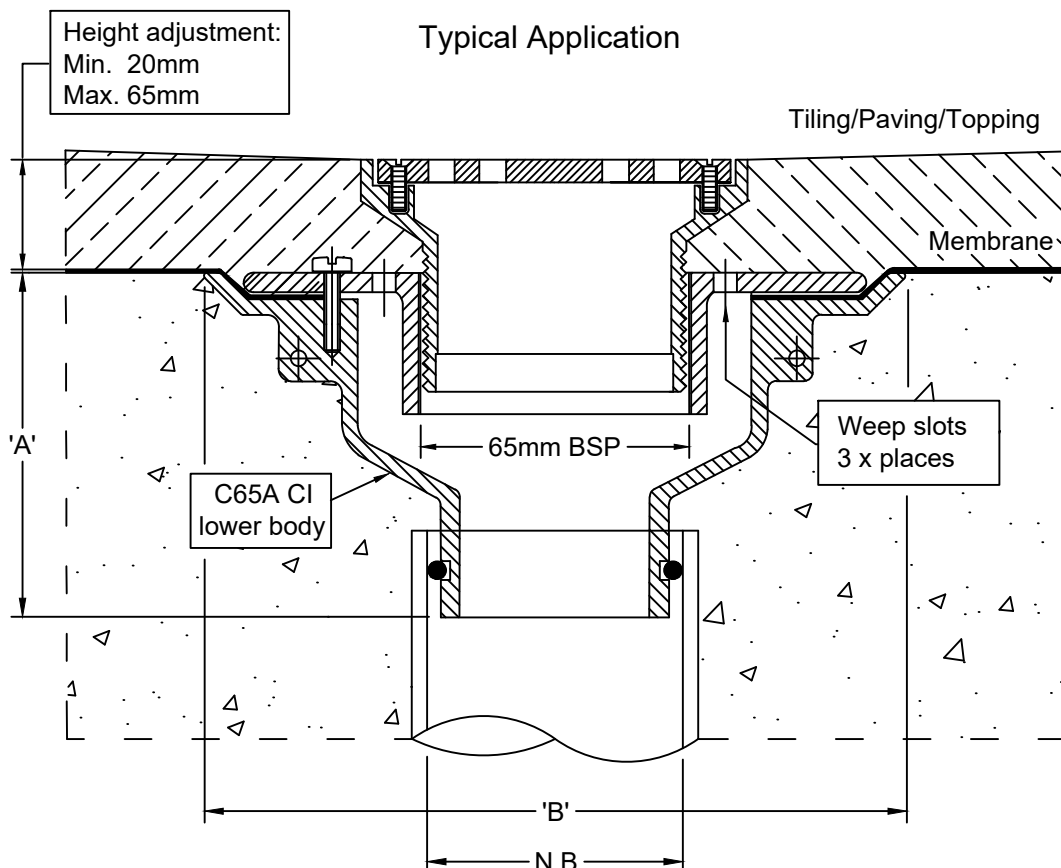
Q100N/C65 (nickel bronze grate, CI lower body) *special order*

Q100S4/C65 (polished 304 stainless steel grate, CI lower body)

Q100S/C65 (satin 316 stainless steel grate, CI lower body)



- Square grate available in polished 304 & satin 316 stainless steel. Bronze & nickel-bronze available by special order only.
- Cast iron lower body and reversible membrane clamp collar with female 65mm BSP thread.



N.B.	A	B
50	90	180
65	60	180

Outlet pushes into 65mm PVC or copper with o-ring connection, or connects to 50mm PVC / HDPE with no-hub coupling.

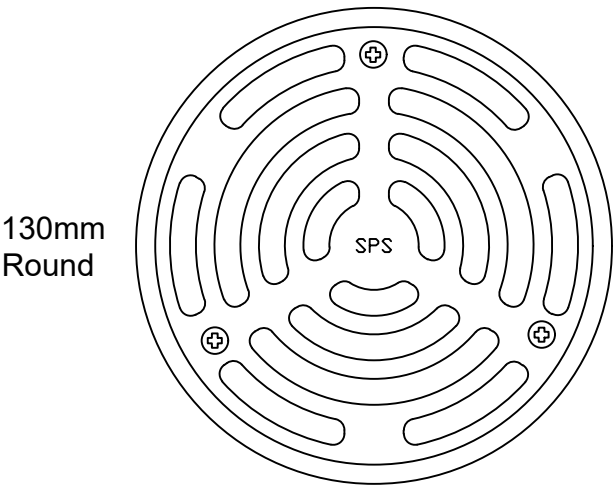
Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

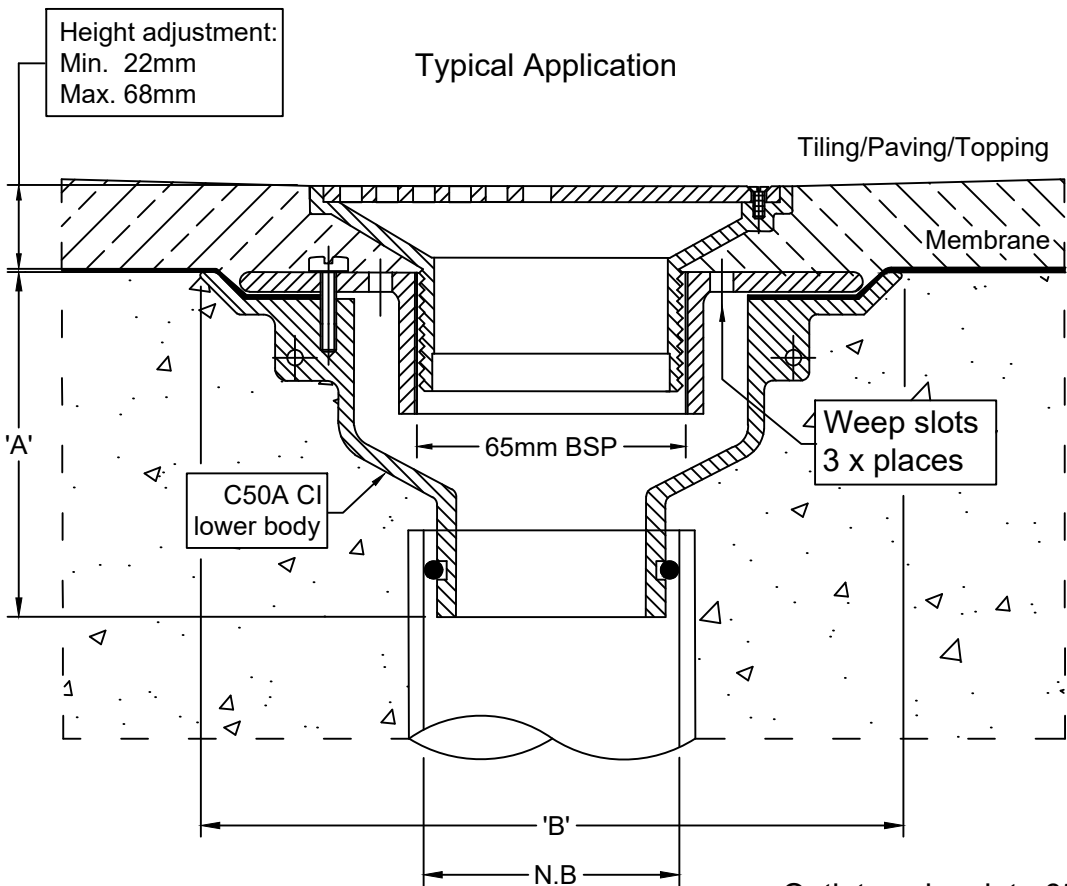
SPS 130mm Round Vari-Level Vertical Drain

65/50mm Outlet

Specification code:
 R130S/C65 (satin 316 stainless steel grate, CI lower body)
 R130S4/C65 (polished 304 stainless steel grate, CI lower body)



- Round grate available in polished 304 or satin 316 stainless steel.
- Cast iron lower body and reversible membrane clamp collar with female 65mm BSP thread.



Outlet pushes into 65mm PVC or copper with o-ring connection, or connects to 50mm PVC / HDPE with no-hub coupling.

N.B.	A	B
50	90	180
65	60	180

Speciality Plumbing Supplies Pty Ltd

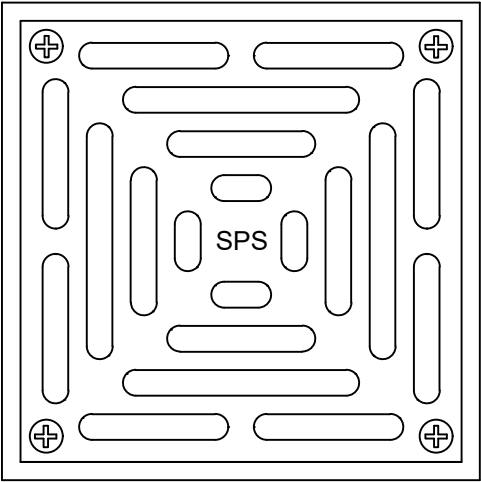
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 130mm Square Vari-Level Vertical Drain

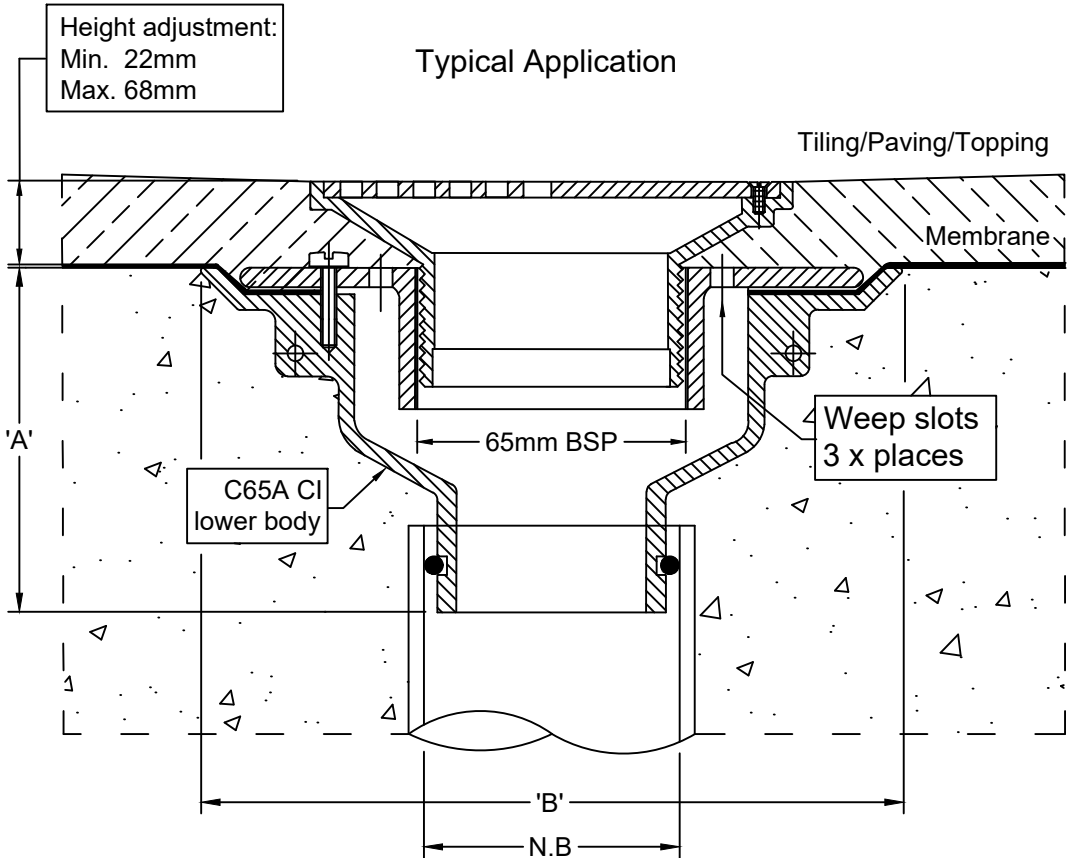
65/50mm Outlet

Specification code:
 Q130S/C65 (satin 316 stainless steel grate, CI lower body)
 Q130S4/C65 (polished 304 stainless steel grate, CI lower body)

130mm Square



- Square grate available in polished 304 or satin 316 stainless steel.
- Cast iron lower body and reversible membrane clamp collar with female 65mm BSP thread.



N.B.	A	B
50	90	180
65	60	180

Outlet pushes into 65mm PVC or copper with o-ring connection, or connects to 50mm PVC / HDPE with no-hub coupling.

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 130mm Square Vari-Level Vertical Drain

(Square Hole Pattern)

65/50mm Outlet

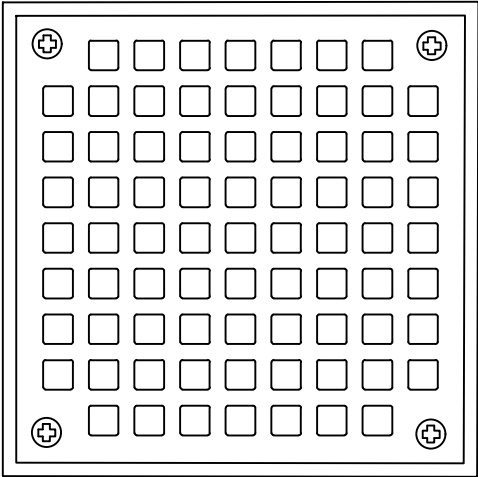
Specification code:

Q130S/C65 (satin 316 stainless steel grate)

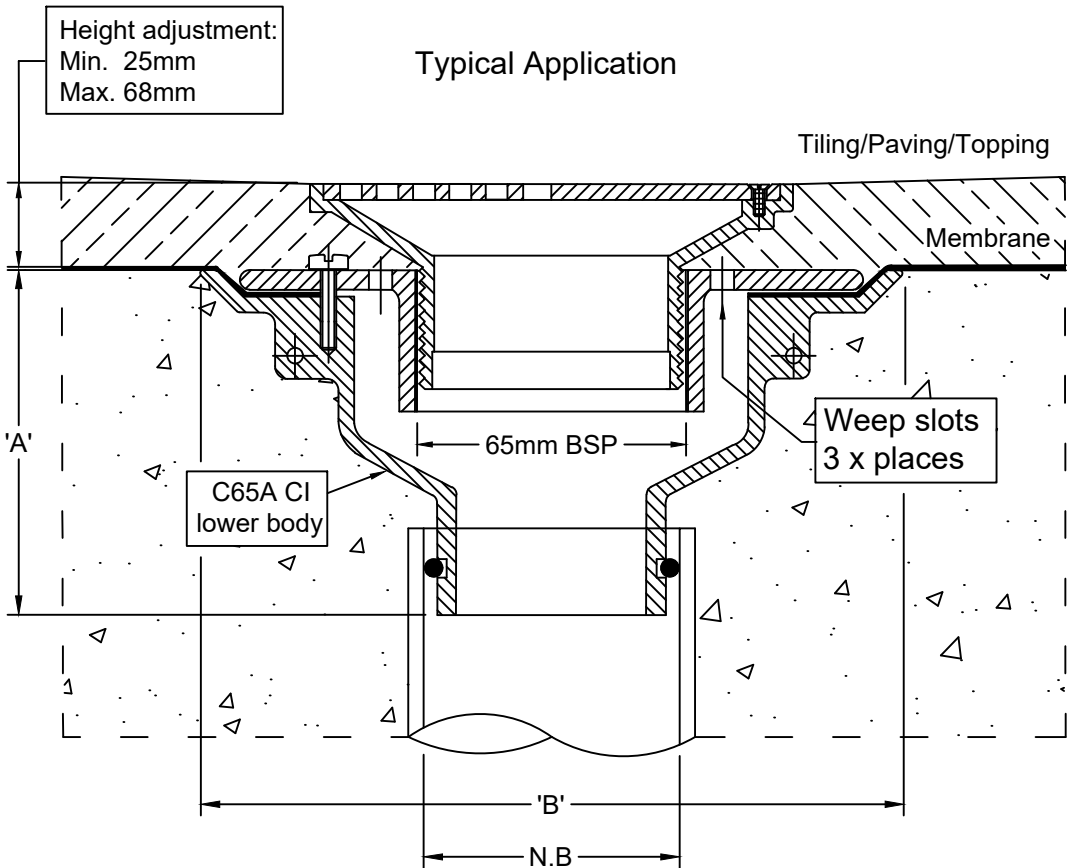
Q130S4/C65 (polished 304 stainless steel grate)

Includes 65/50mm cast iron lower body

130mm
Square



- Square grate available in polished 304 or satin 316 stainless steel.
- Cast iron lower body and reversible membrane clamp collar with female 65mm BSP thread.



N.B.	A	B
50	90	180
65	60	180

Outlet pushes into 65mm PVC or copper with o-ring connection, or connects to 50mm PVC / HDPE with no-hub coupling.

SPS 130mm Round Vari-Level Vertical Drain

Specification codes:

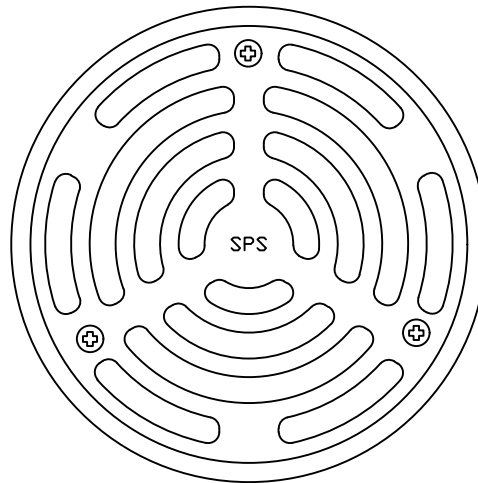
R130S4/C (polished 304 stainless steel grate)

R130S/C (satin 316 stainless steel grate)

Includes 100mm cast iron lower body

- Height-adjustable grate assembly.
- Available in polished 304 or satin 316 stainless steel.
- C100A CI "deluxe" lower body with reversible clamp collar.

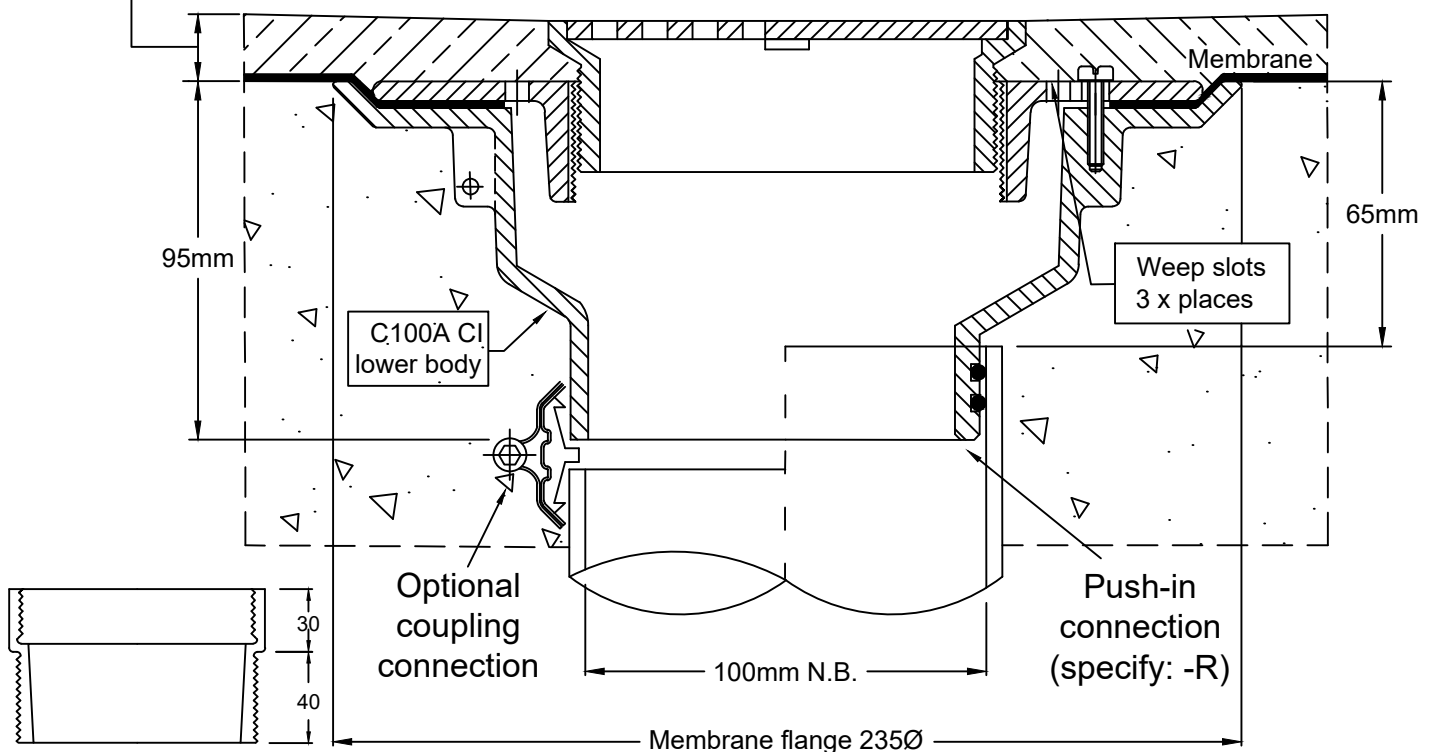
130mm
Round



Height adjustment:
Min. 20mm
Max. 55mm**

Typical Application

Tiling/Paving/Topping



**Optional Extension Piece

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 130mm Square Vari-Level Vertical Drain

100mm Outlet

Specification codes:

Q130S4/C (polished 304 stainless steel grate)

Q130S/C (satin 316 stainless steel grate)

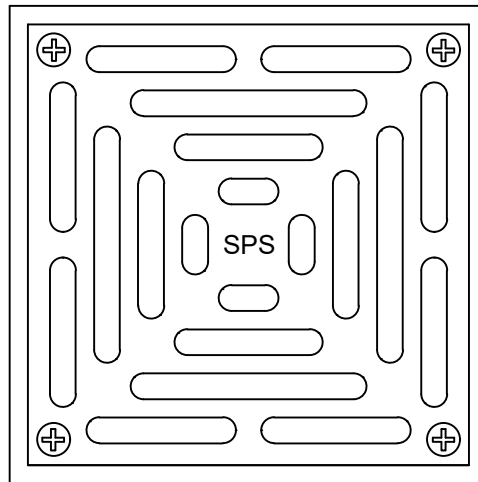
Includes 100mm cast iron lower body

- Height-adjustable grate assembly.

- Available in polished 304 or satin 316 stainless steel.

- C100A CI "deluxe" lower body with reversible clamp collar.

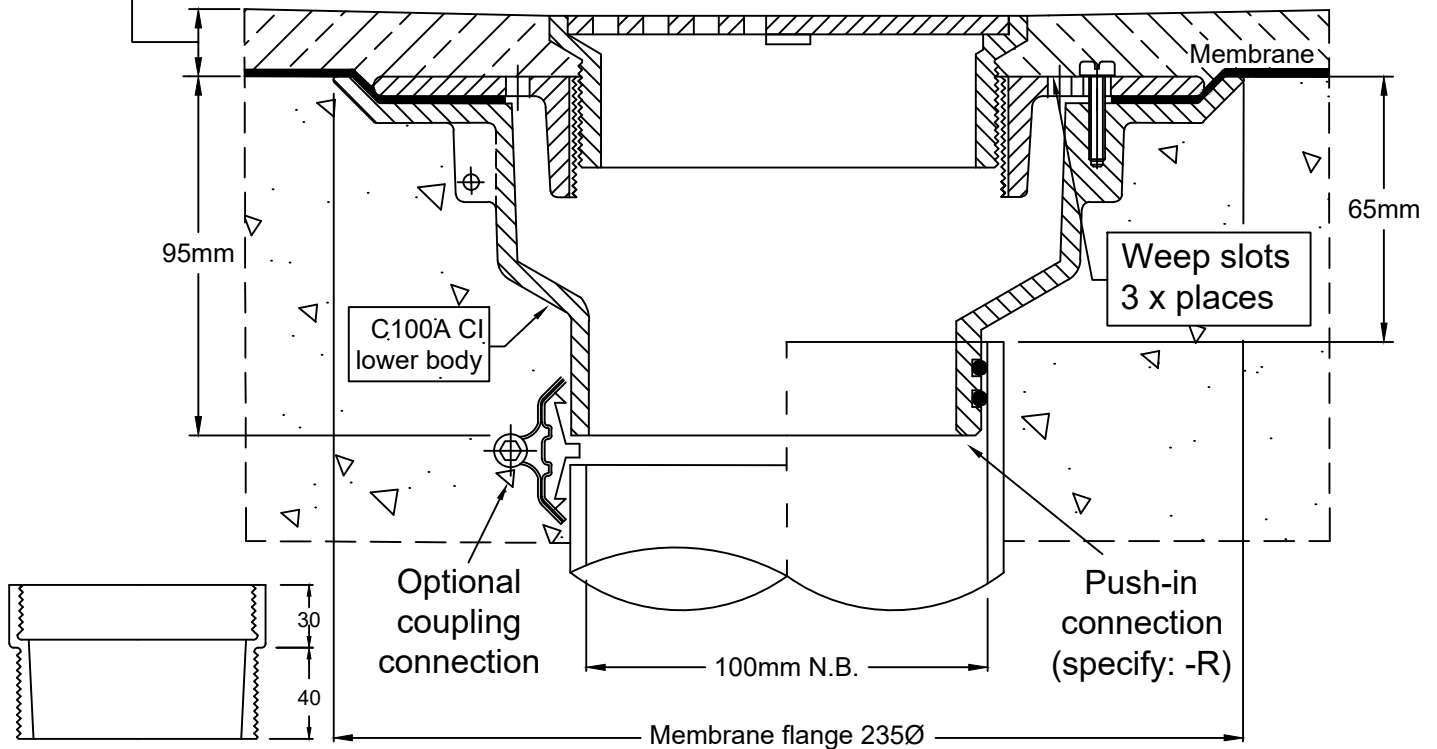
130mm
Square



Height adjustment:
Min. 20mm
Max. 55mm**

Typical Application

Tiling/Paving/Topping



**Optional Extension Piece

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 130mm Square Vari-Level Vertical Drain

100mm Outlet (Grid Pattern)

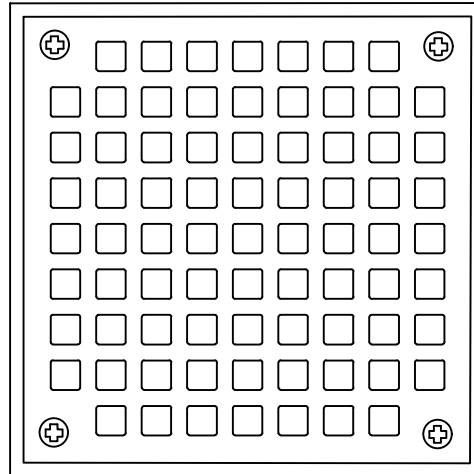
Specification codes:

Q130SQ4/C (polished 304 stainless steel grate)

Q130SQ/C (satin 316 stainless steel grate)

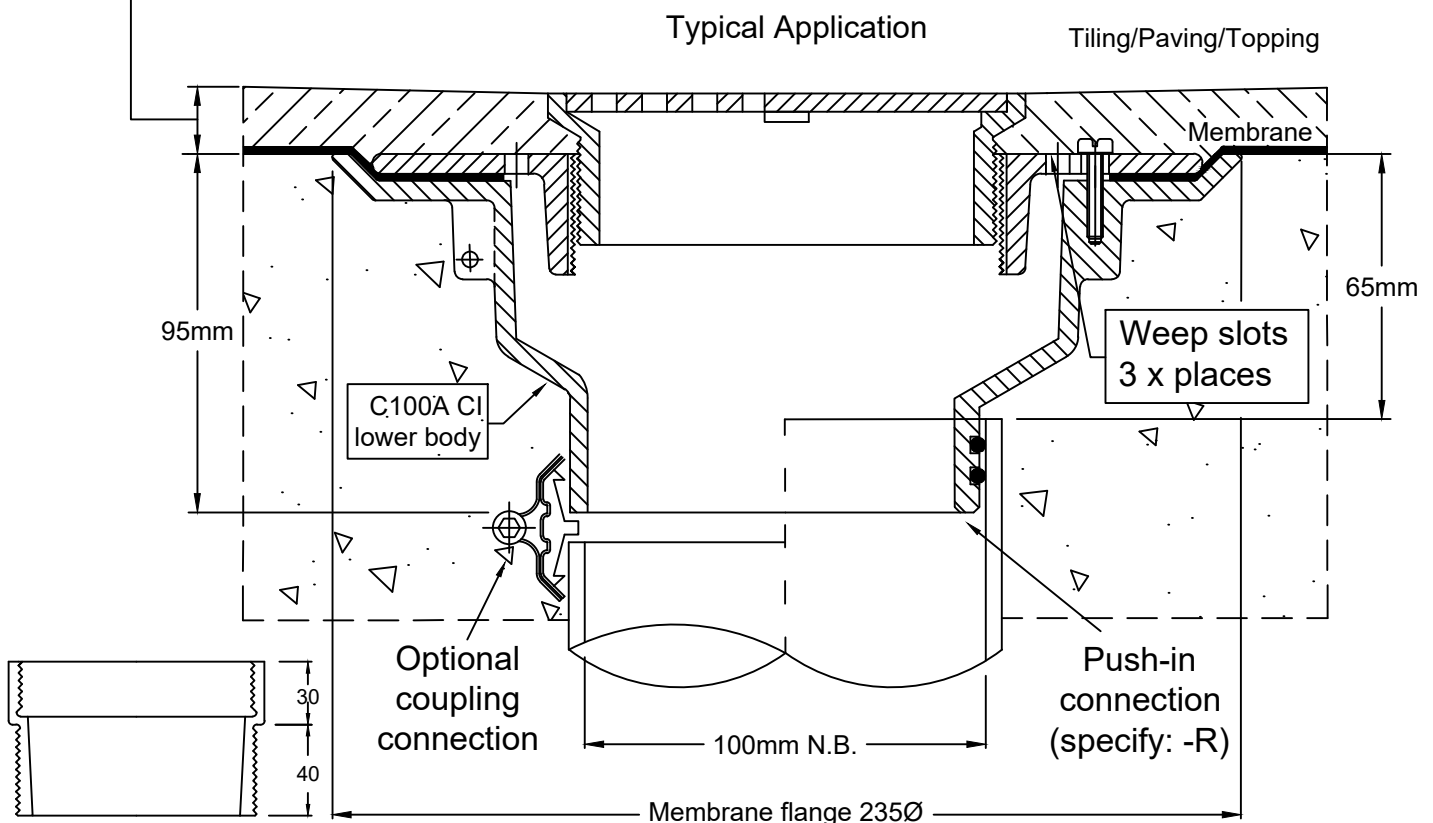
Includes 100mm cast iron lower body

130mm
Square



- Height-adjustable grate assembly.
- Available in polished 304 or satin 316 stainless steel.
- C100A CI "deluxe" lower body with reversible clamp collar.

Height adjustment:
Min. 20mm
Max. 55mm**



**Optional Extension Piece

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Round Vari-Level Vertical Drain

100mm Outlet

Specification codes:

R150G/C (bronze grate, CI lower body) *special order*

R150N/C (nickel bronze grate, CI lower body) *special order*

R150S4/C (polished 304 stainless steel, CI lower body)

R150S/C (satin 316 stainless steel grate, CI lower body)

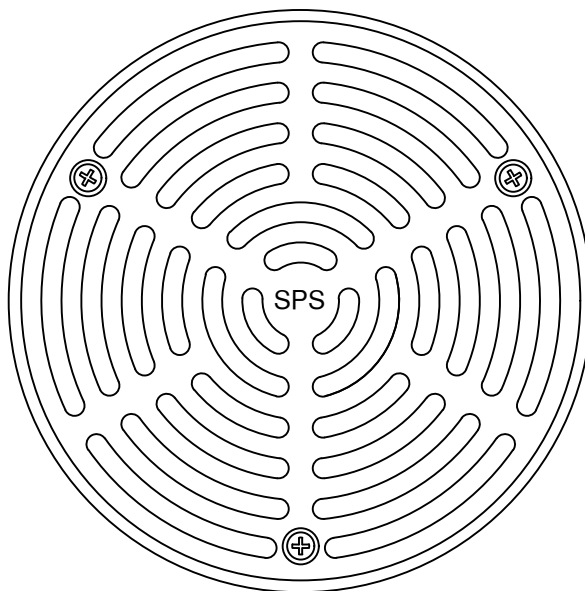
- Height-adjustable high-heel friendly grate assembly.

- Available in polished 304 & satin 316 stainless steel. Bronze and nickel-bronze available by special order only.

- C100A "deluxe" CI lower body with reversible clamp collar.

High-heel friendly pattern (5mm gaps)

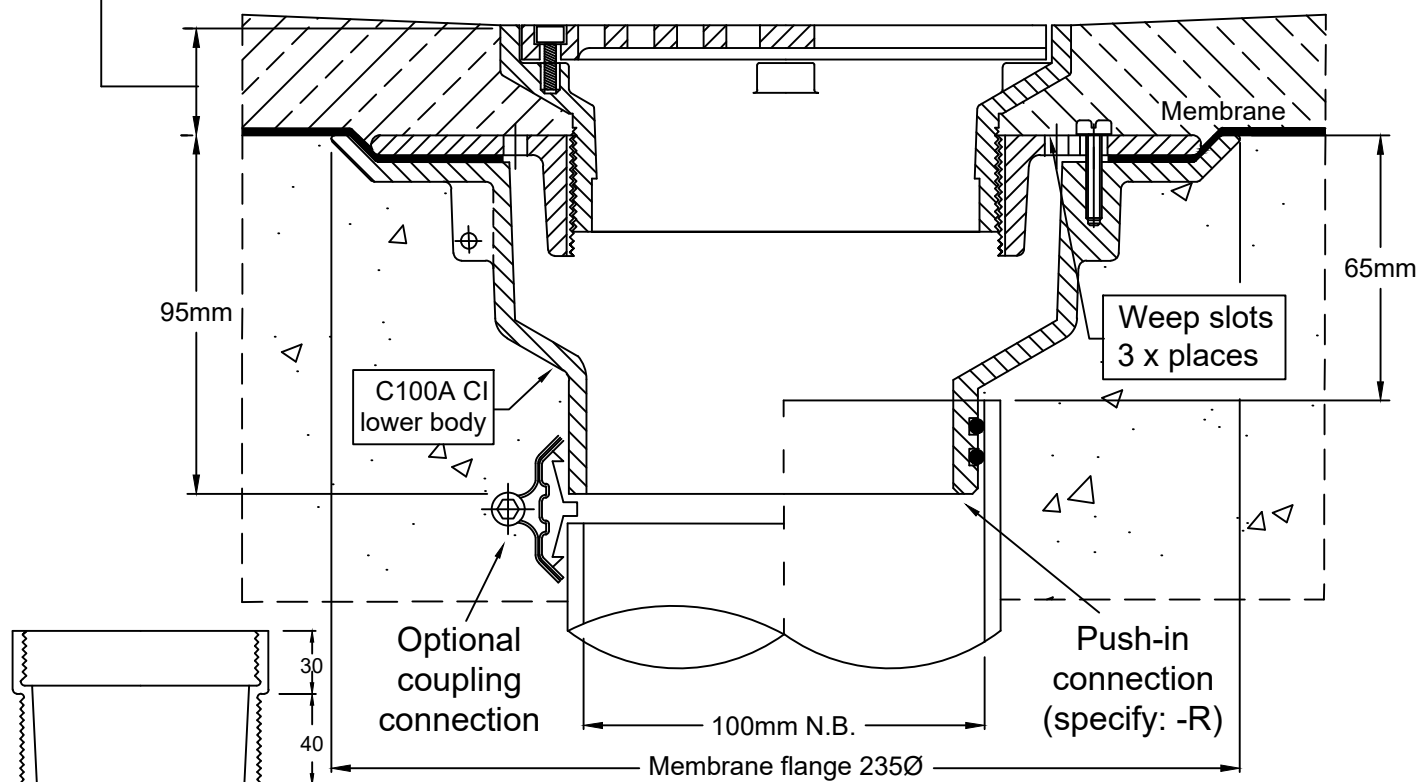
150mm
Round



Height adjustment:
Min. 25mm
Max. 60mm**

Typical Application

Tiling/Paving/Topping



**Optional Extension Piece

*For flow rate data please refer to appendix.

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Square Vari-Level Vertical Drain

100mm Outlet

Specification codes:

Q150G/C (bronze grate, CI lower body - non-stock option)

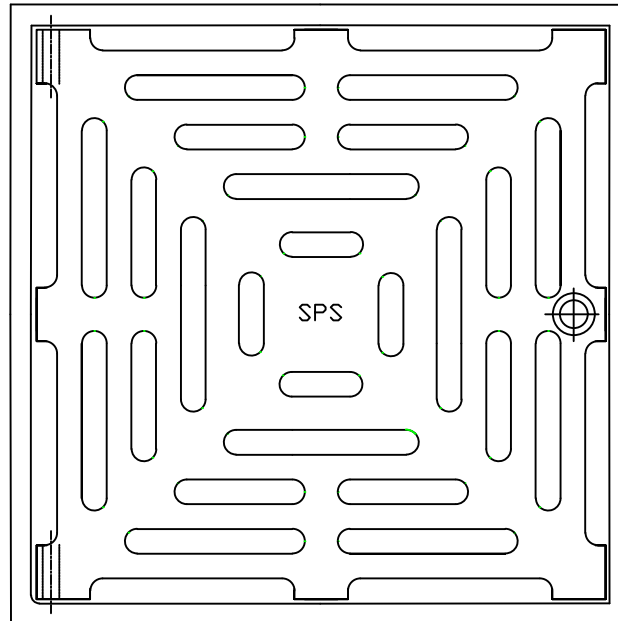
Q150N/C (nickel bronze grate, CI lower body)

Q150S4/C (polished 304 stainless steel, CI lower body)

Q150S/C (satin 316 stainless steel grate, CI lower body)

- Height-adjustable hinged grate assembly.

High-heel friendly pattern (6mm gaps)



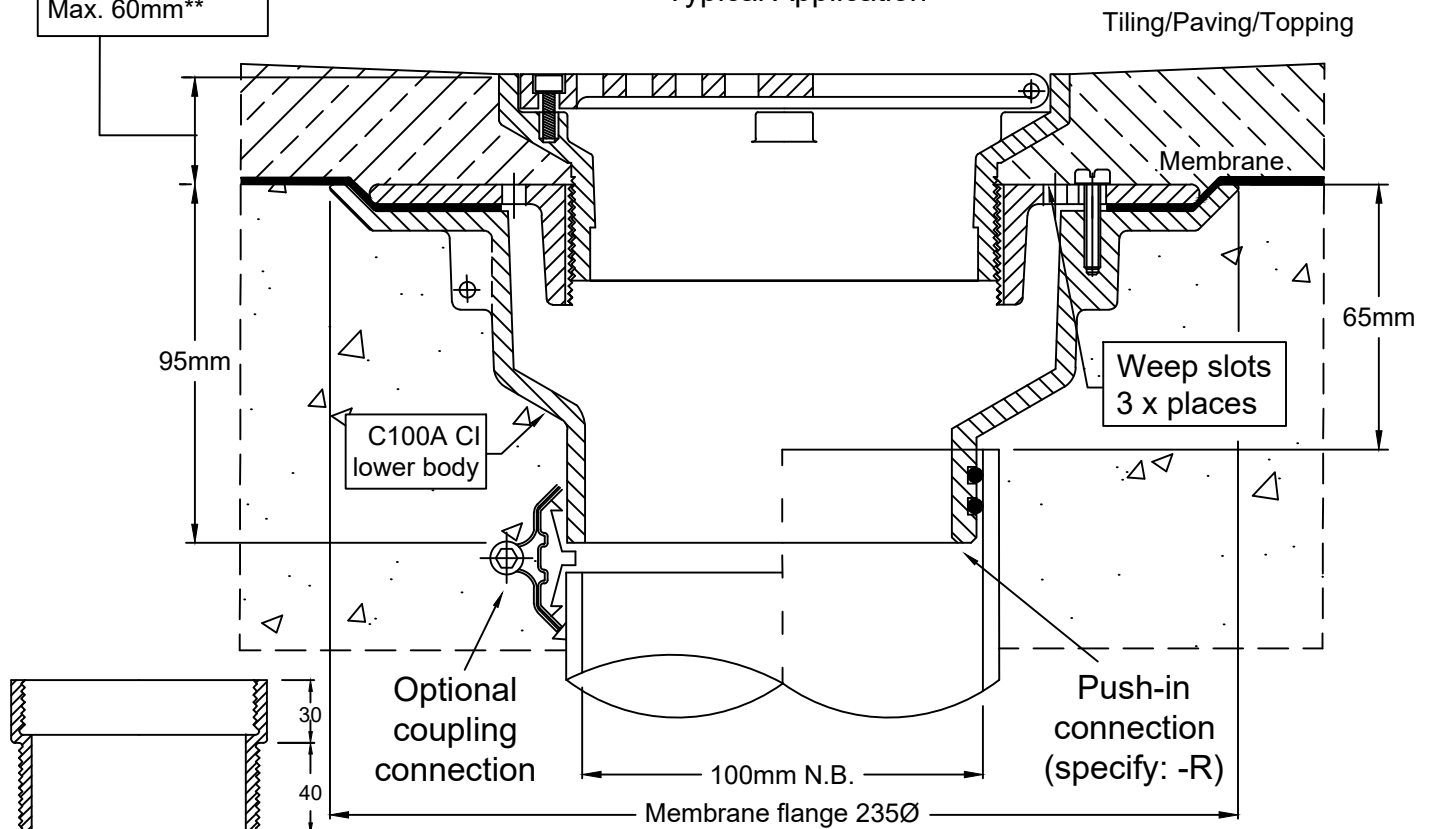
- Available in polished 304 & satin 316 stainless steel. Bronze and nickel-bronze available by special order only.

- C100A CI "deluxe" lower body with reversible clamp collar.

150mm
Square

Height adjustment:
Min. 25mm
Max. 60mm**

Typical Application



**Optional Extension Piece

*For flow rate data please refer to appendix.

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

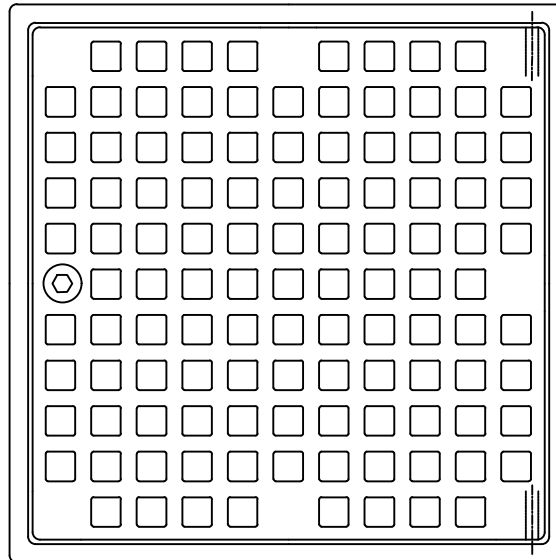
SPS 150 Square Vari-Level Vertical Drain

100mm Outlet (Grid Pattern)

Specification codes:

Q150SQ/C (316 stainless steel grate, CI lower body)

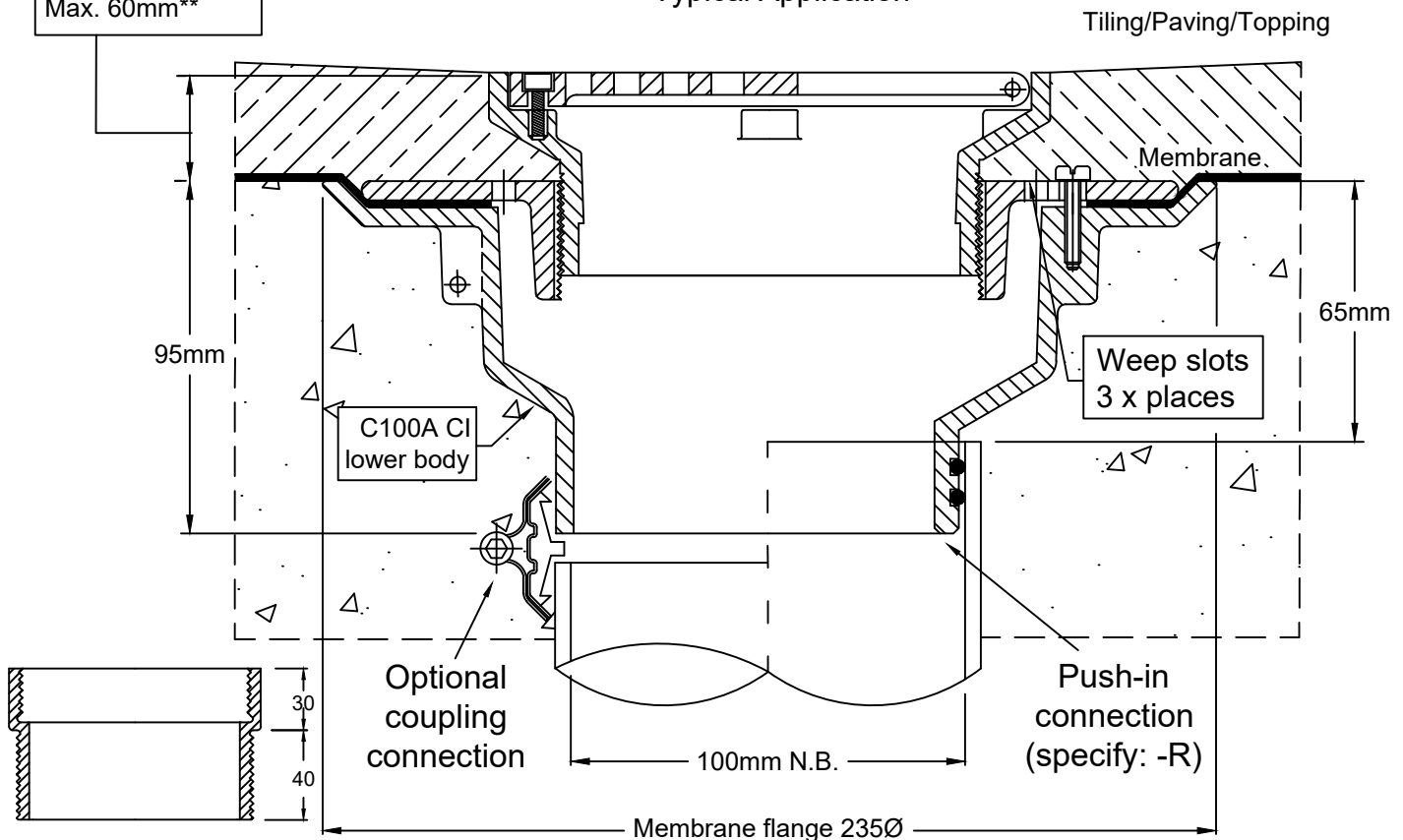
150mm
Square



- Height-adjustable hinged grate assembly.
- Available in satin 316 stainless steel only.
- C100A CI "deluxe" lower body with reversible clamp collar.

Height adjustment:
Min. 25mm
Max. 60mm**

Typical Application



**Optional Extension Piece

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 200mm Square Vari-Level Vertical Drain

100mm Outlet

Specification codes:

Q200G/C (bronze grate, CI lower body) *special order*

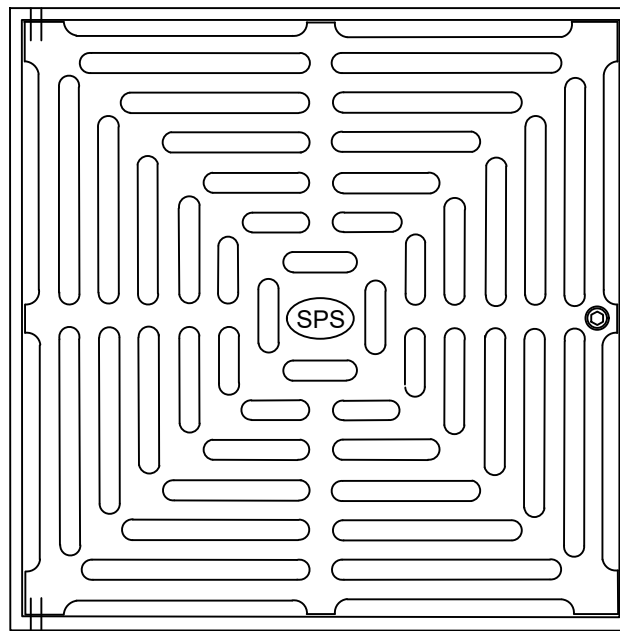
Q200N/C (nickel-bronze grate, CI lower body) *special order*

Q200S4/C (polished 304 stainless steel, CI lower body)

Q200S/C (satin 316 stainless steel grate, CI lower body)

High-heel friendly pattern (6mm gaps)

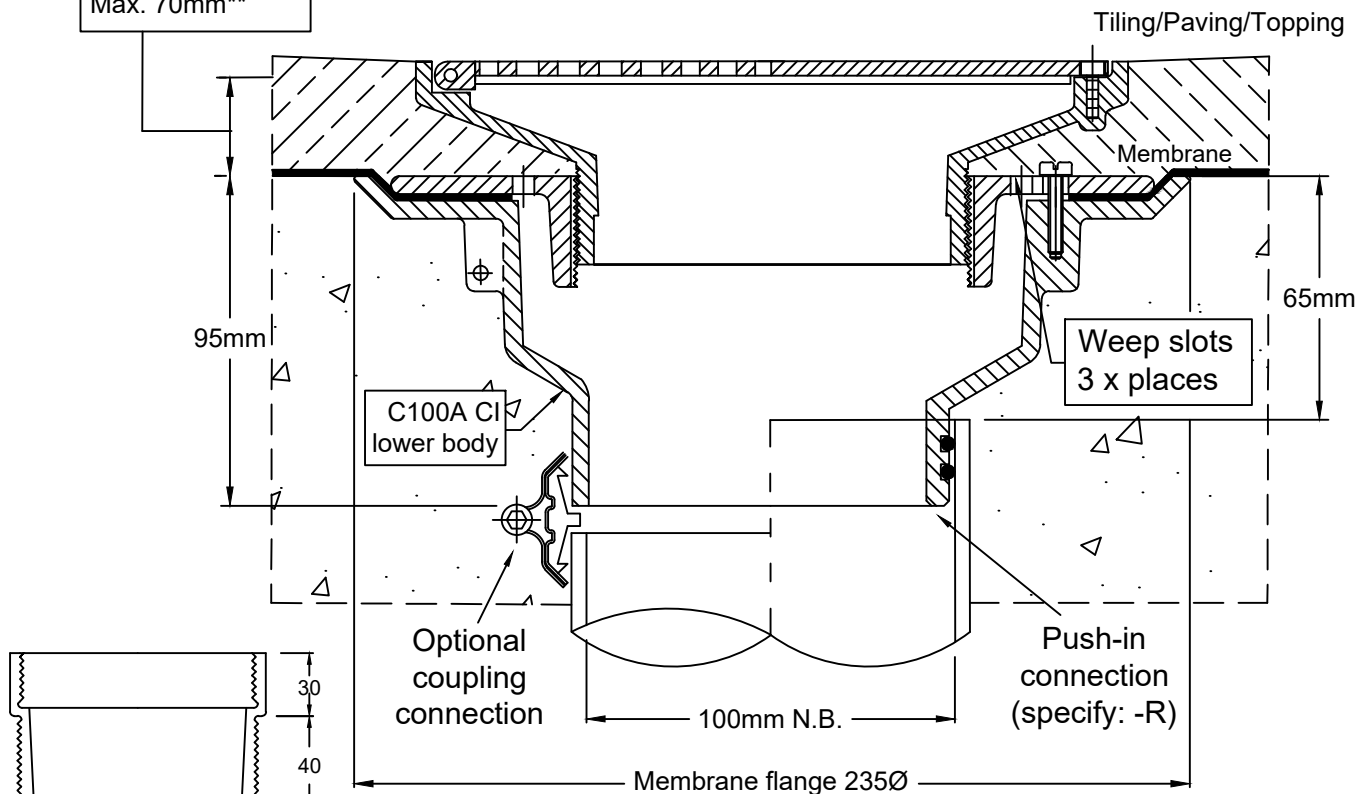
200mm
Square



- Height-adjustable hinged grate assembly.
- Available in polished 304 & satin 316 stainless steel. Bronze and nickel -bronze available by special order only.
- C100A CI "deluxe" lower body with reversible clamp collar.
- Load Class C per AS3996-2006

Typical Application

Height adjustment:
Min. 30mm
Max. 70mm**



*For flow rate data please refer to appendix.

**Optional Extension Piece

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

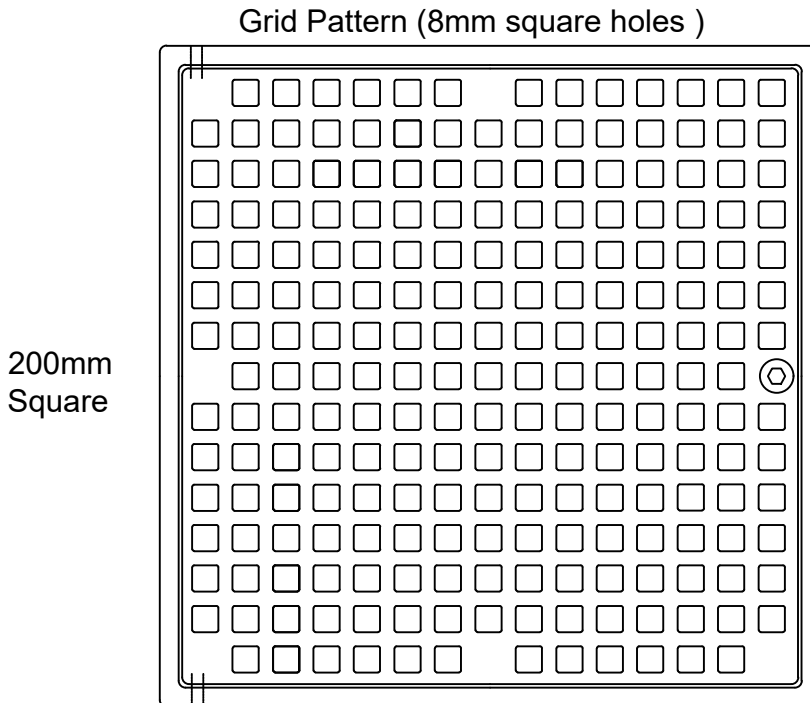
SPS 200mm Square Vari-Level Vertical Drain

(Grid Pattern)

100mm Outlet

Specification codes:

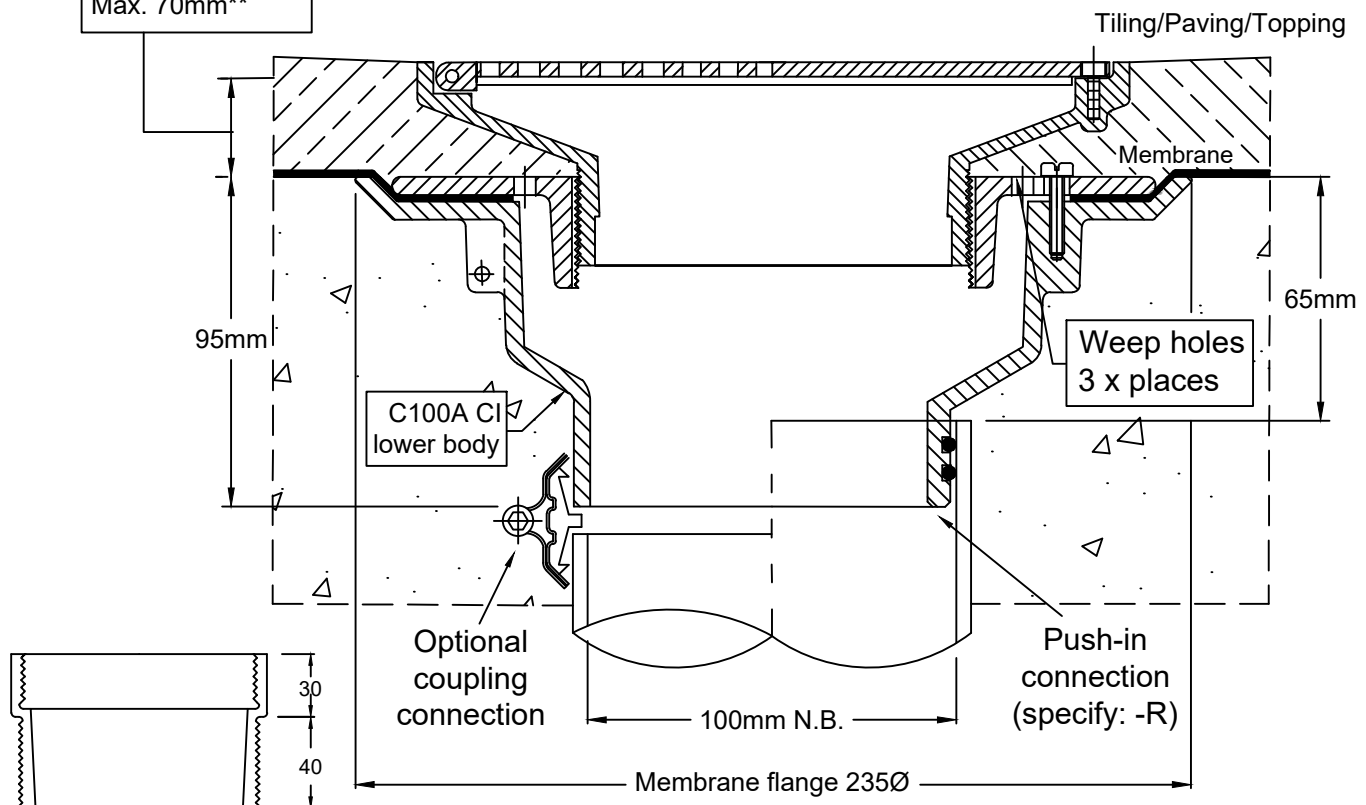
Q200SQ/C (satin 316 stainless steel grate, CI lower body)



- Height-adjustable hinged grate assembly.
- Available in satin 316 stainless steel only.
- C100A CI "deluxe" lower body with reversible clamp collar.

Height adjustment:
Min. 30mm
Max. 70mm**

Typical Application



**Optional Extension Piece

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 225mm Round Vari-Level Vertical Drain

100mm Outlet

Specification codes:

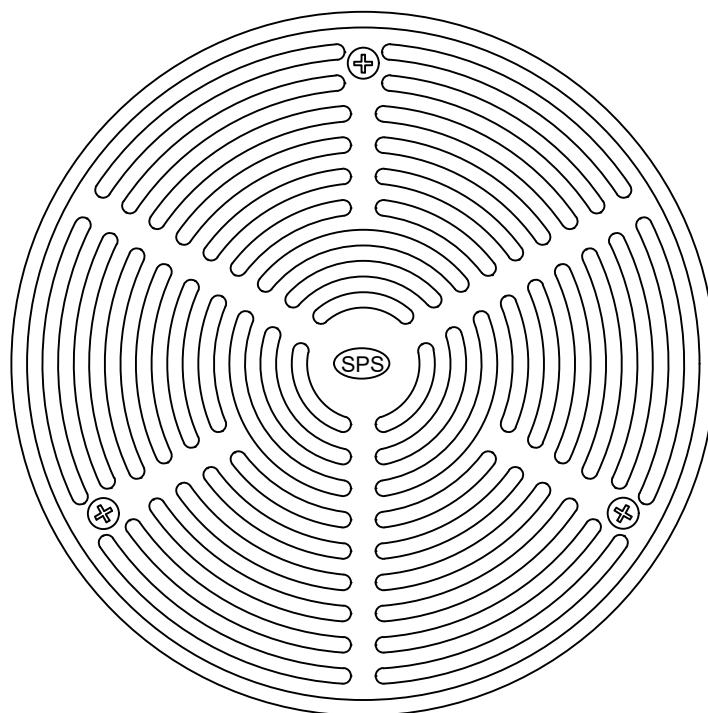
R225N/C (nickel bronze grate, CI lower body) *special order*

R225S/C (satin 316 SS grate, CI lower body)

- Height-adjustable high-heel friendly grate assembly.
- Available in satin 316 stainless steel. Polished 304SS and nickel-bronze available by special order only.
- C100A "deluxe" CI lower body with reversible clamp collar.

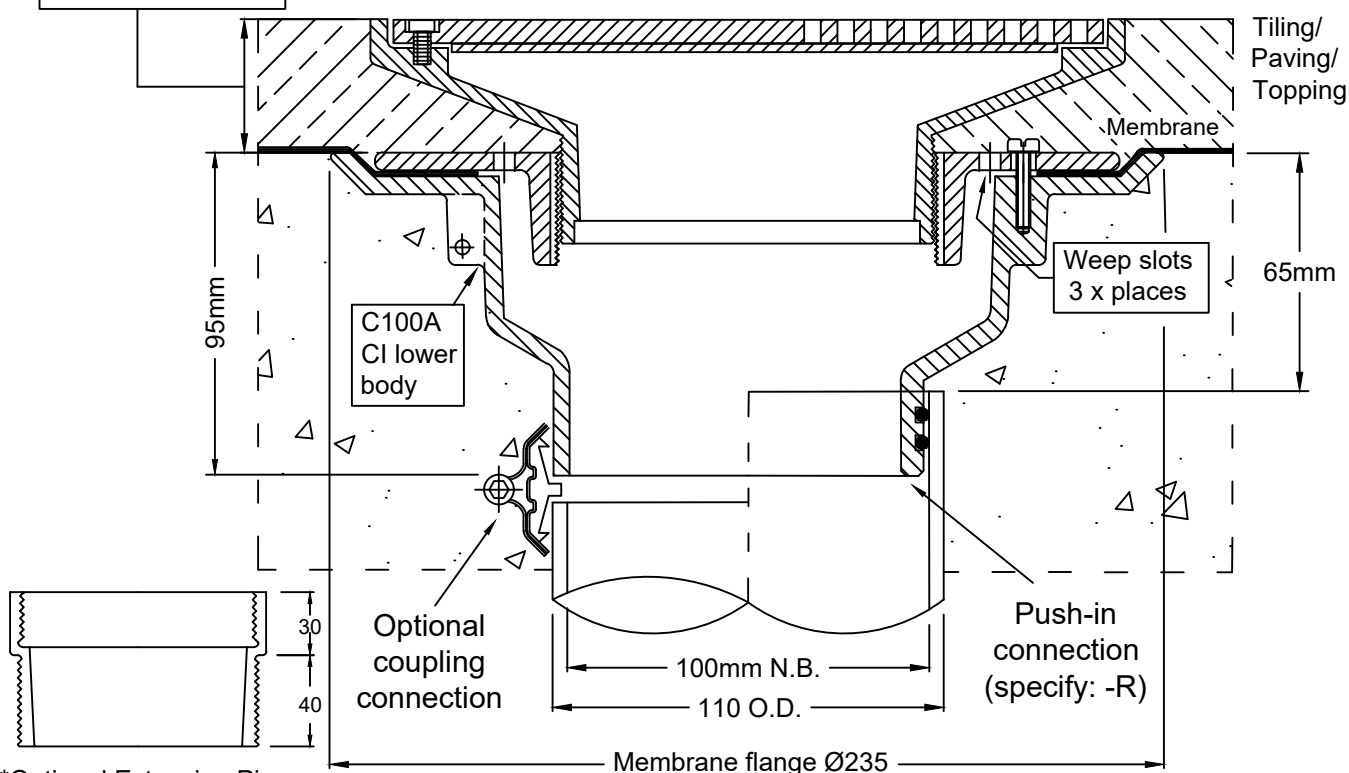
High-heel friendly pattern (5.5mm gaps)

225mm
Round



Typical Application

Height adjustment:
Min. 30mm
Max. 70mm**



**Optional Extension Piece

*For flow rate data please refer to appendix.

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

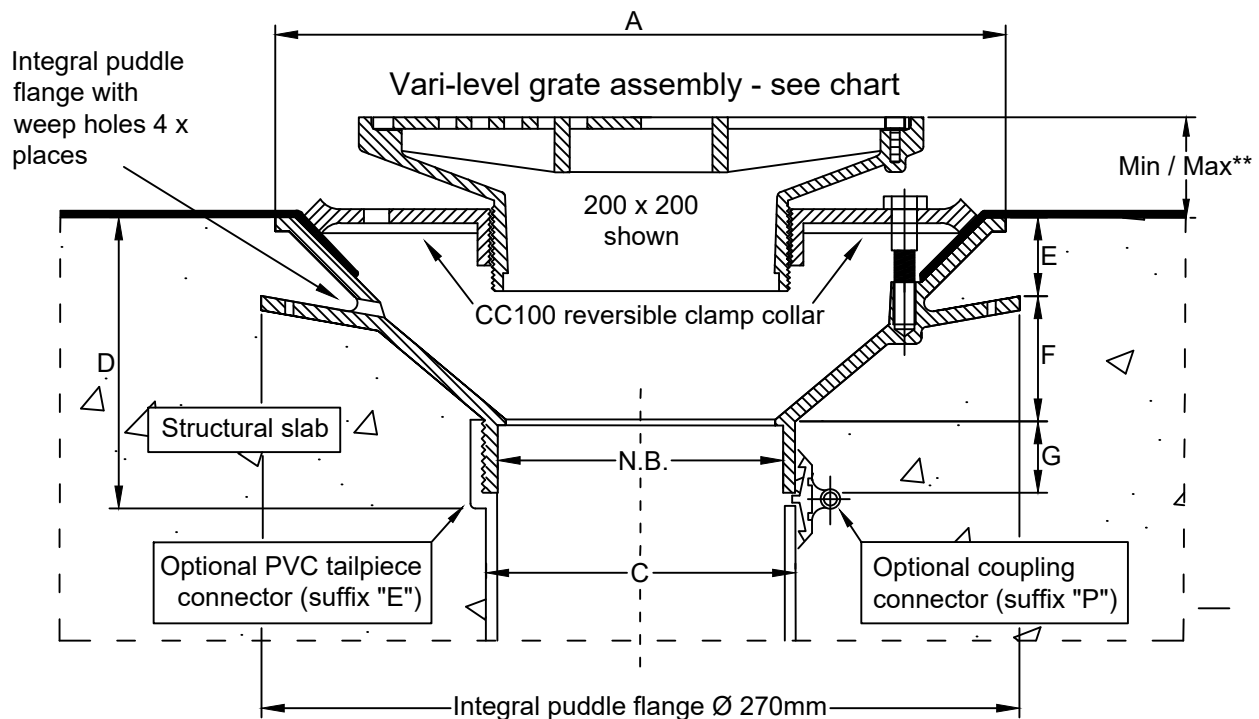
SPS 100mm Truflo Vari-Level Floor Drains

Further to page 1.01 - the 100mm Truflo RWO can be converted into a vari-level drain body with a CC100 reversible clamp collar. The following 100mm BSP grate assemblies can then be installed:

	316SS	304SS	Ni-Br	Bronze	Height Adjustment Min / Max**
130mm Round	R130S	R130S4	n/a	n/a	20mm / 50mm
130mm Square	Q130S	Q130S4	n/a	n/a	20mm / 50mm
130mm Square*	Q130SQ	Q130SQ4	n/a	n/a	20mm / 50mm
150mm Round	R150S	R150S4	R150N	R150G	25mm / 60mm
150mm Square	Q150S	Q150S4	Q150N	Q150G	25mm / 60mm
150mm Square*	Q150SQ	Q150SQ4	n/a	n/a	25mm / 60mm
200mm Square	Q200S	Q200S4	Q200N	Q200G	30mm / 70mm
200mm Square*	Q200SQ	Q200SQ4	n/a	n/a	30mm / 70mm
225mm Round	R225S	R225S4	R225N	n/a	30mm / 70mm

* = grid pattern

** = EP100 extension piece available to extend height



N.B	A	B	C	D	E	F	G
100	260	240	103	106	28	45	25

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 200mm Square Vari-Level Vertical Drain

Specification code:

Q200S4/C150 (polished 304 stainless steel grate, CI lower body)

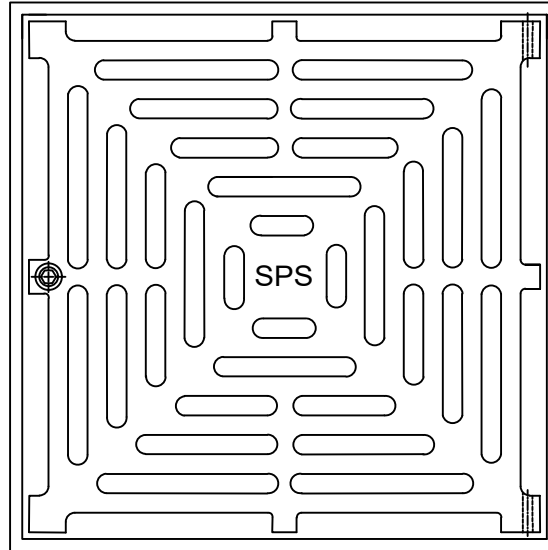
Q200S/C150 (satin 316 stainless steel grate, CI lower body)

For a 100mm outlet, use suffix "C100" not "C150"

150mm Outlet or 100mm Outlet

Load Class C per AS3996-2006

200mm
Square



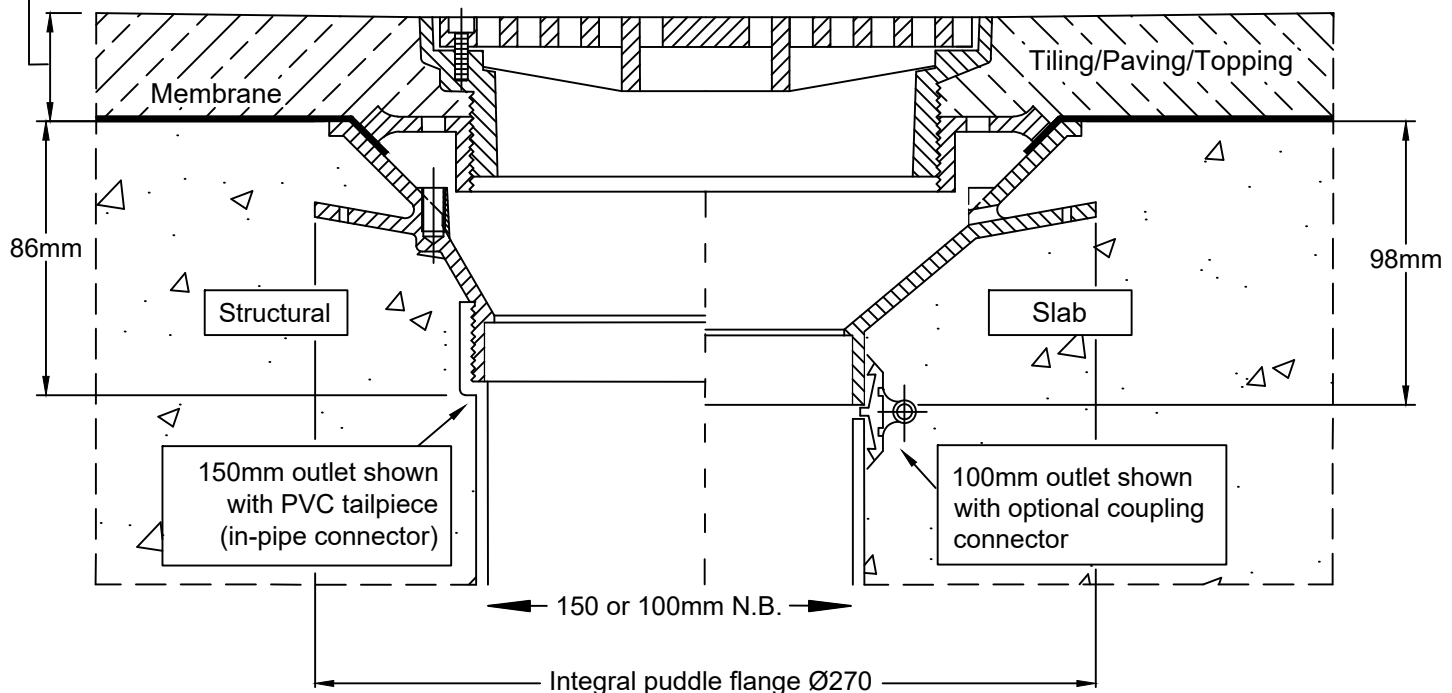
- Height-adjustable hinged grate & frame.
- Grate assembly available in polished 304 and satin 316 stainless steel.
- 150mm or 100mm Truflo CI lower body with 150mm BSP reversible clamp collar.

Height adjustment:

Min. 25mm

Max. 70mm**

Typical Application



**For additional height, use
EP150 extension piece

*For flow rate data please refer to appendix.

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 225mm Round Vari-Level Vertical Drain

Specification code:

R225N/C150 (nickel-bronze grate, CI lower body) *special order*

R225S4/C150 (Polished 304SS grate, CI lower body) *special order*

R225S/C150 (Satin 316SS grate, CI lower body)

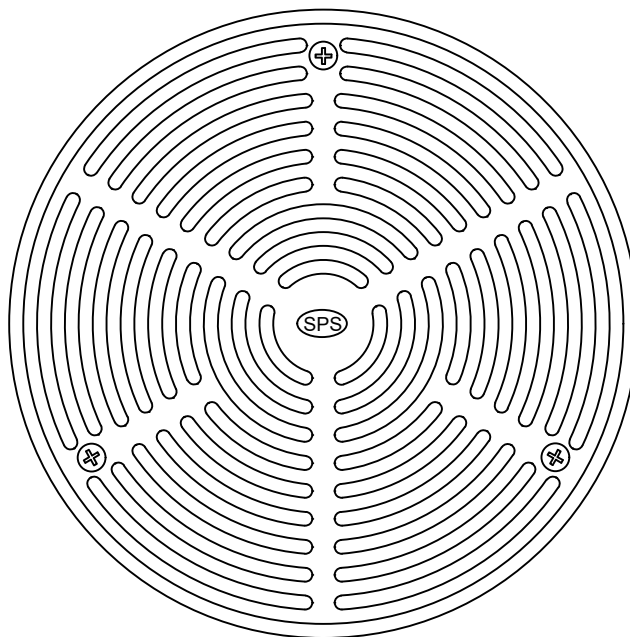
For a 100mm outlet, use suffix "C100" not "C150"

150mm Outlet or 100mm Outlet

Load Class C per AS3996-2006

High-heel friendly pattern (5.5mm gaps)

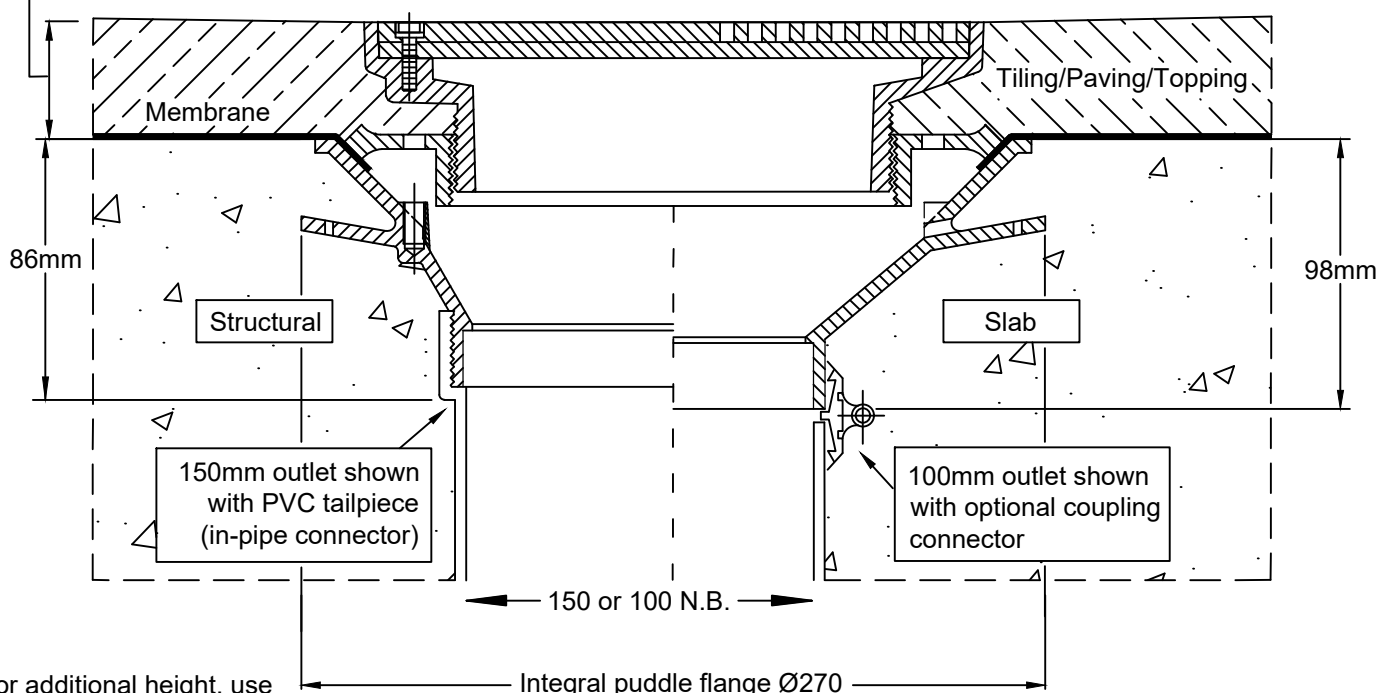
225mm
Round



- Height-adjustable high heel-friendly grate assembly.
- Grate assembly available 316 stainless steel. Polished 304SS and nickel-bronze available only by special order.
- 150mm or 100mm Truflo CI lower body with 150mm BSP reversible clamp collar.

Height adjustment:
Min. 30mm
Max. 75mm

Typical Application



**For additional height, use
EP150 extension piece

*For flow rate data please refer to appendix.

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 225mm Square Vari-Level Vertical Drain

Specification code:

Q225N/C150 (nickel-bronze grate, CI lower body) *special order*

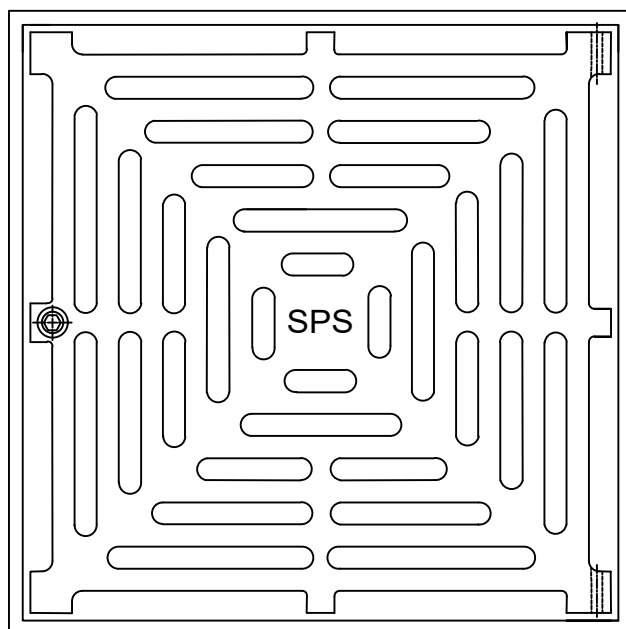
Q225S/C150 (316 stainless steel grate, CI lower body)

For a 100mm outlet, use suffix "C100" not "C150"

150mm Outlet or 100mm Outlet

Load Class C per AS3996-2006

225mm
Square



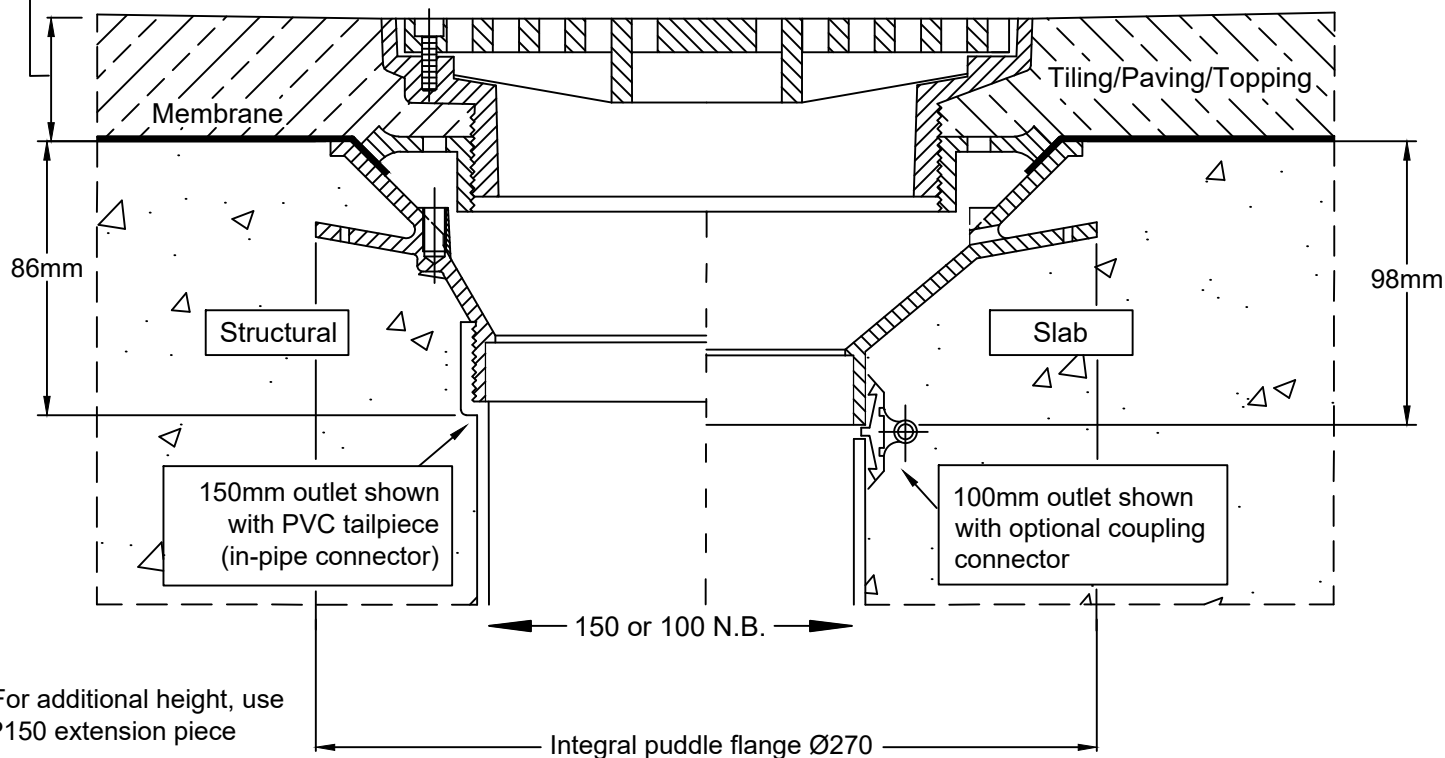
- Height-adjustable hinged grate & frame.
- Grate assembly available in satin 316 stainless steel. Nickel-bronze available by special order only.
- 150mm or 100mm Truflo CI lower body with 150mm BSP reversible clamp collar.

Height adjustment:

Min. 32mm

Max. 80mm**

Typical Application



**For additional height, use EP150 extension piece

*For flow rate data please refer to appendix.

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 300mm Round Vari-Level Vertical Drain

Specification code:

R300D/C150 (galvanised ductile iron grate, CI lower body)

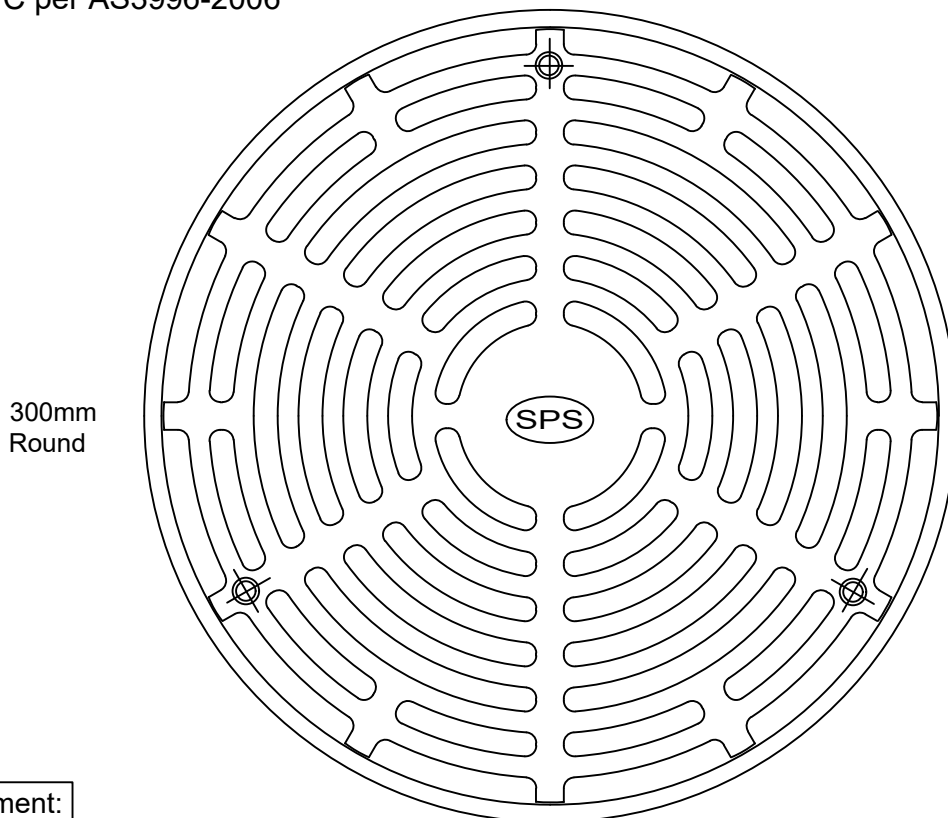
R300S/C150 (satin 316 stainless steel grate, CI lower body)

For a 100mm outlet, use suffix "C100" not "C150"

150mm Outlet or 100mm Outlet

Load Class C per AS3996-2006

- Height-adjustable round grate & frame.
- Grate assembly available in galvanised ductile iron, nickel-bronze, and 316 stainless steel.
- 150mm or 100mm Truflo CI lower body with 150mm BSP reversible clamp collar.

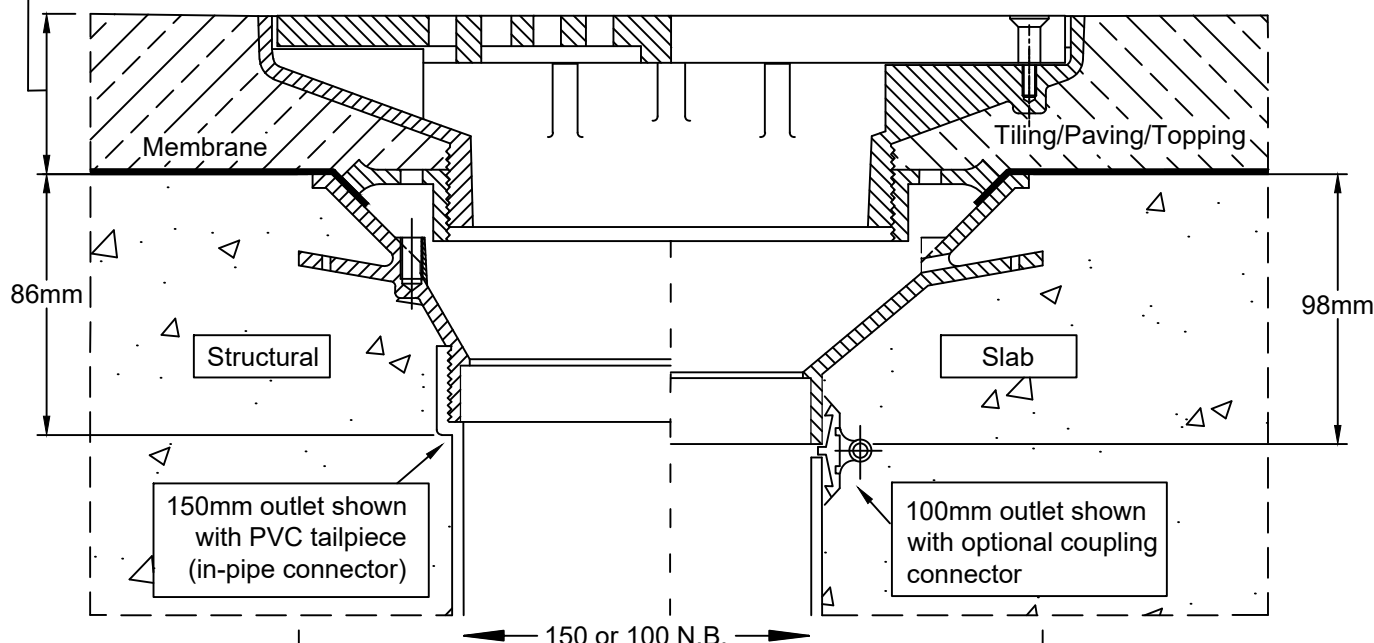


Typical Application

Height adjustment:

Min. 50mm

Max. 90mm**



**For additional height, use EP150 extension piece

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 300mm Square Vari-Level Vertical Drain

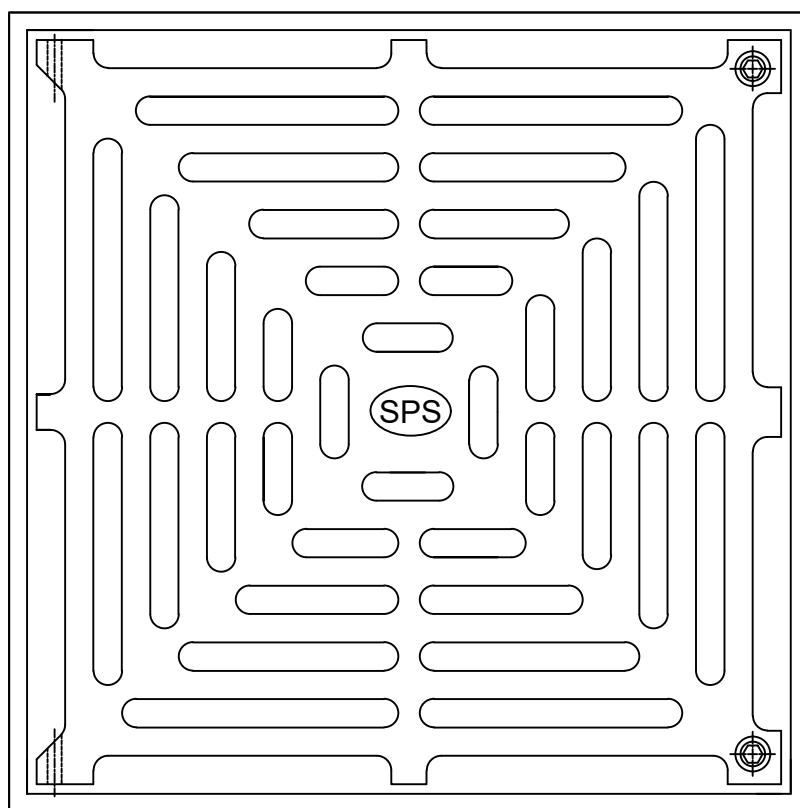
Specification codes:

Q300D/150C (galvanised ductile iron grate, CI lower body)
 Q300S4/150C (polished 304 stainless steel grate, CI lower body)
 Q300S/150C (satin 316 stainless steel grate, CI lower body)
 For a 100mm outlet, use suffix "C100" not "C150"

150mm Outlet or 100mm Outlet

Load Class C per AS3996-2006

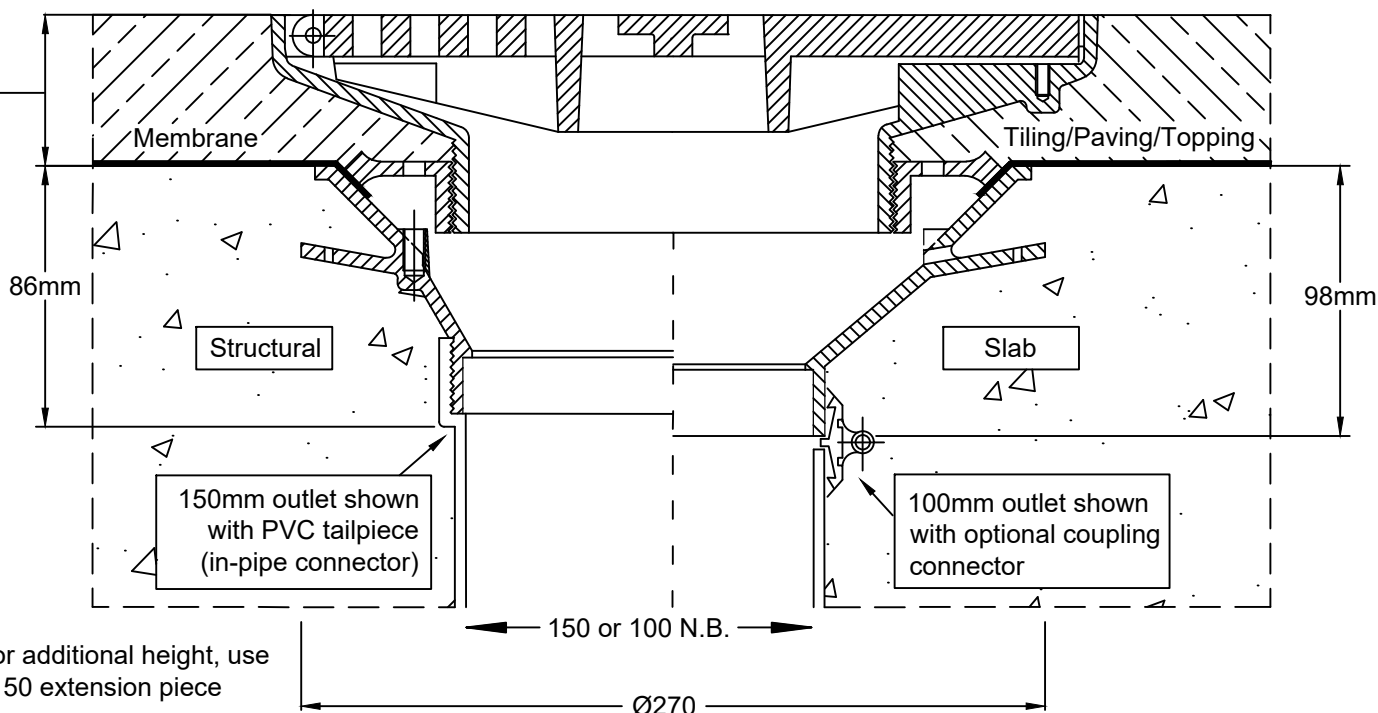
300mm
Square



- Height-adjustable hinged grate & frame.
- Grate assembly available in nickel bronze, ductile iron and 316 stainless steel.
- 150mm or 100mm Truflo CI lower body with 150mm BSP reversible clamp collar.

Typical Application

Height adjustment:
Min. 50mm
Max. 90mm**



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SPS 300mm Square Fine Pattern Vertical Drain

(Vari-Level)

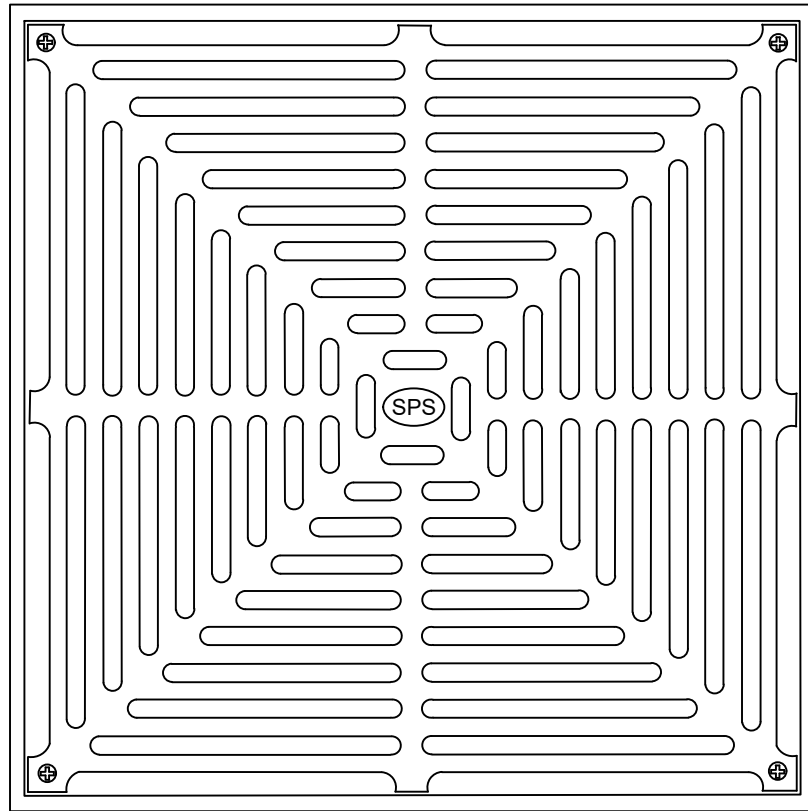
Specification code:

Q300S24/C150 (polished 304 SS grate, 150mm CI lower body)

Q300S2/C150 (satin 316 SS grate, 150mm CI lower body)

For a 100mm outlet, use suffix "C100" not "C150"

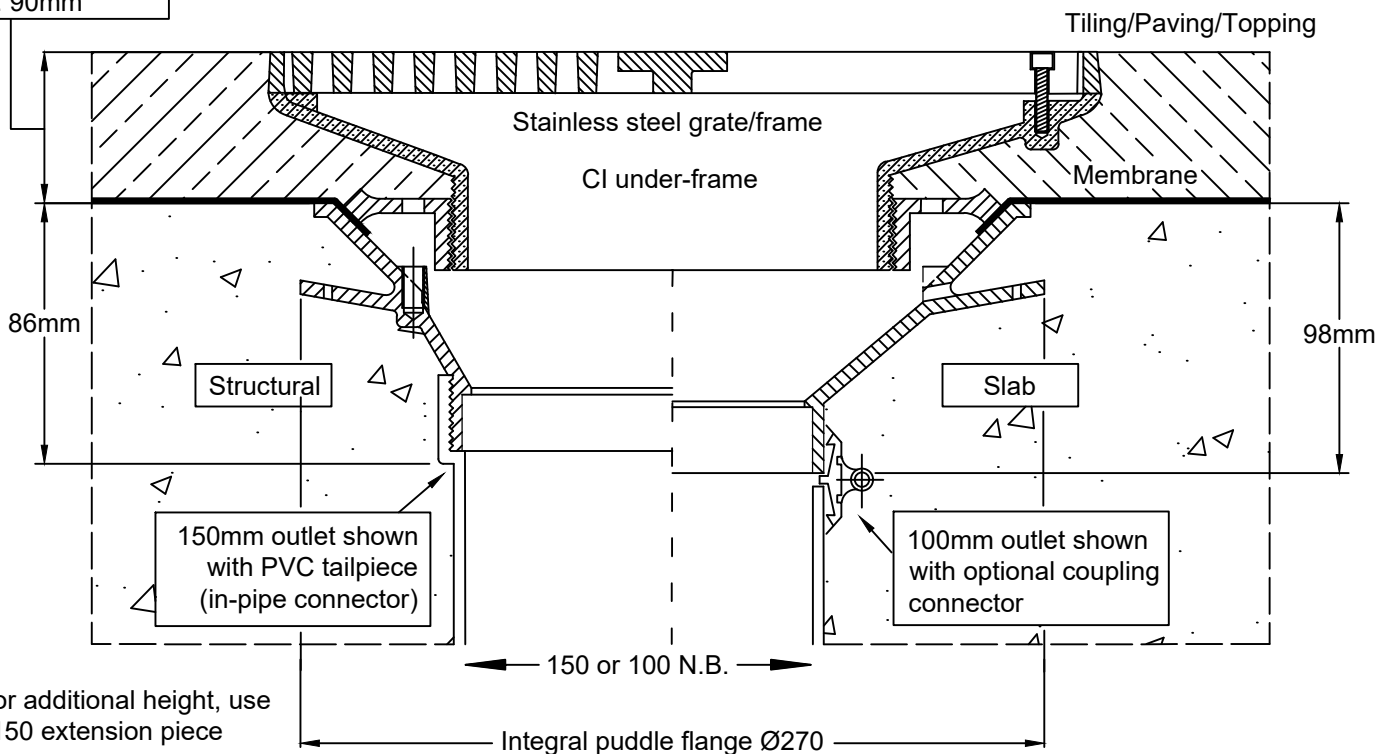
300mm
Square
6mm
Gaps



- Special high-heel friendly grate pattern.
- Available in polished 304 and satin 316 stainless steel.
- 150mm or 100mm Truflo CI lower body with 150mm BSP reversible clamp collar.

Height adjustment:
Min. 50mm
Max. 90mm**

Typical Application



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SECTION 4

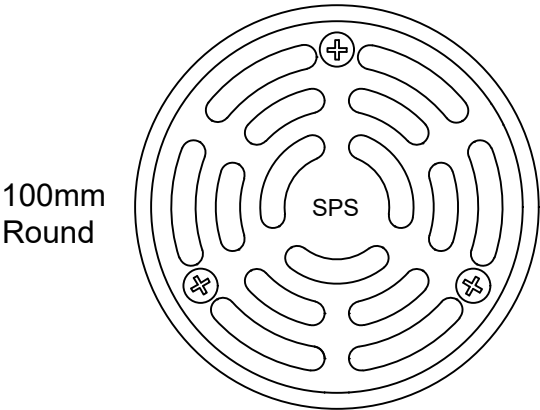
Vari-level Drains – 90° Outlets

<u>Vari-Level Drains - Side Outlet</u>		<u>To suit pipe size:</u>
4.01	100mm Round	50 / 65
4.02	100mm Square	50 / 65
4.03	130mm Round	50 / 65
4.04	130mm Square	50 / 65
4.05	130mm Square (Grid Pattern)	50 / 65
4.06	150mm Round	80 & 100
4.07	150mm Square	80 & 100
4.08	150mm square (Grid Pattern)	80 & 100
4.09	200mm Square	80 & 100
4.10	200mm Square (Grid Pattern)	80 & 100
4.11	225mm Round	80 & 100
4.12	225mm Square	80 & 100
4.13	300mm Round	80 & 100
4.14	300mm Square	80 & 100
4.15	300mm Square (Fine Pattern)	80 & 100

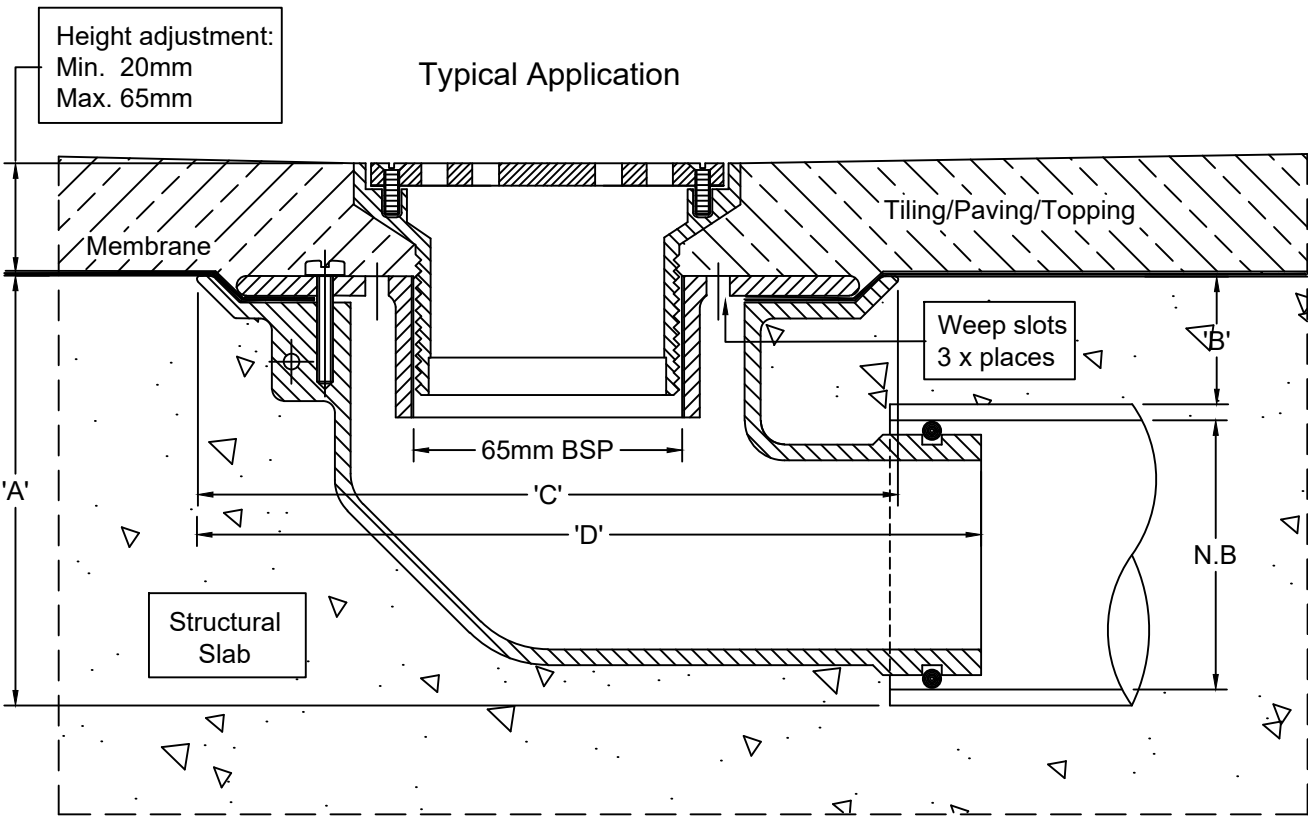
SPS 100mm Round Vari-Level Side Outlet Drain

Specification code:
R100G/C90 (bronze grate, ABS lower body) *special order*
R100N/C90 (nickel-bronze grate, ABS lower body) *special order*
R100S4/C90 (polished 304 stainless steel, ABS lower body)
R100S/C90 (satin 316 stainless steel grate, ABS lower body)

65/50mm outlet



- Round grate available in polished 304 & satin 316 stainless Steel. Bronze and nickel-bronze available by special order only.
- ABS 90° Body and Reversible Membrane Clamp Collar with female 65mm BSP thread.



Outlet pushes into 65mm PVC or copper with o-ring connection, or connects to 50mm PVC/HDPE with no-hub coupling.

N.B.	A	B	C	D
50	100	40	180	200
65	105	37	180	200

*For flow rate data please refer to appendix.

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 100mm Square Vari-Level Side Outlet Drain

Specification code:

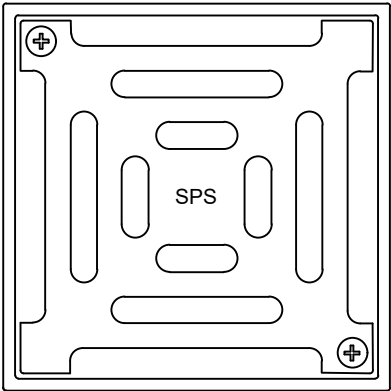
Q100G/C90 (bronze grate, ABS lower body) *special order*

Q100N/C90 (nickel bronze grate, ABS lower body) *special order*

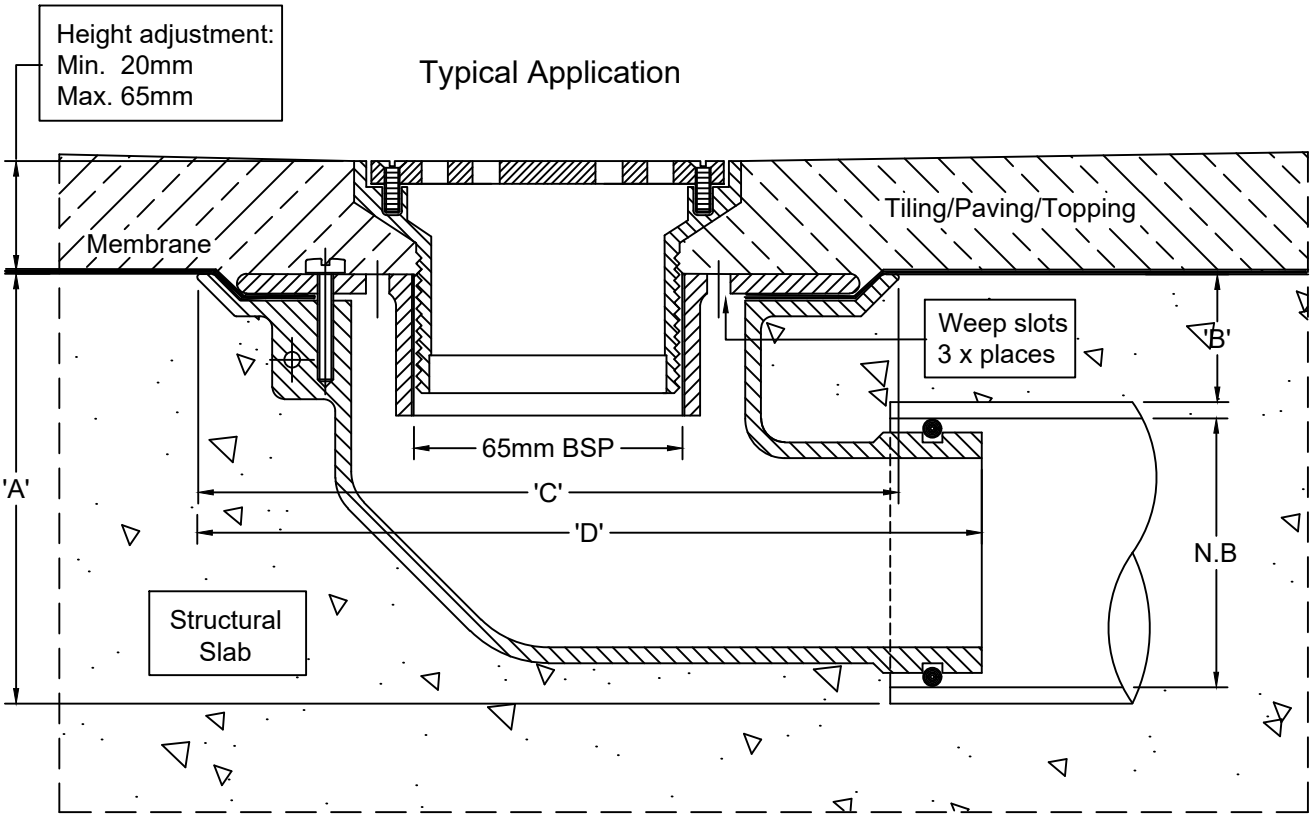
Q100S4/C90 (polished 304 stainless steel, ABS lower body)

Q100S/C90 (satin 316 stainless steel grate, ABS lower body)

65/50mm outlet



- Square grate available in polished 304 & satin 316 stainless Steel. Bronze and nickel-bronze available by special order only.
- ABS 90° Body and Reversible Membrane Clamp Collar with female 65mm BSP thread.



Outlet pushes into 65mm PVC or copper with o-ring connection, or connects to 50mm PVC/HDPE with no-hub coupling.

N.B.	A	B	C	D
50	100	40	180	200
65	105	37	180	200

*For flow rate data please refer to appendix.

Speciality Plumbing Supplies Pty Ltd

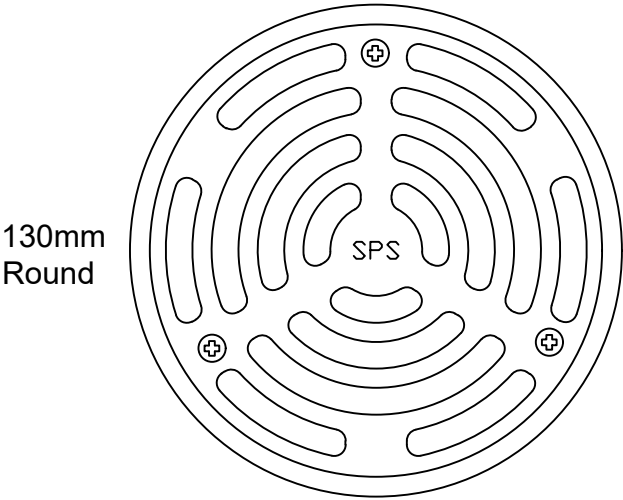
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 130mm Round Vari-Level Side Outlet Drain

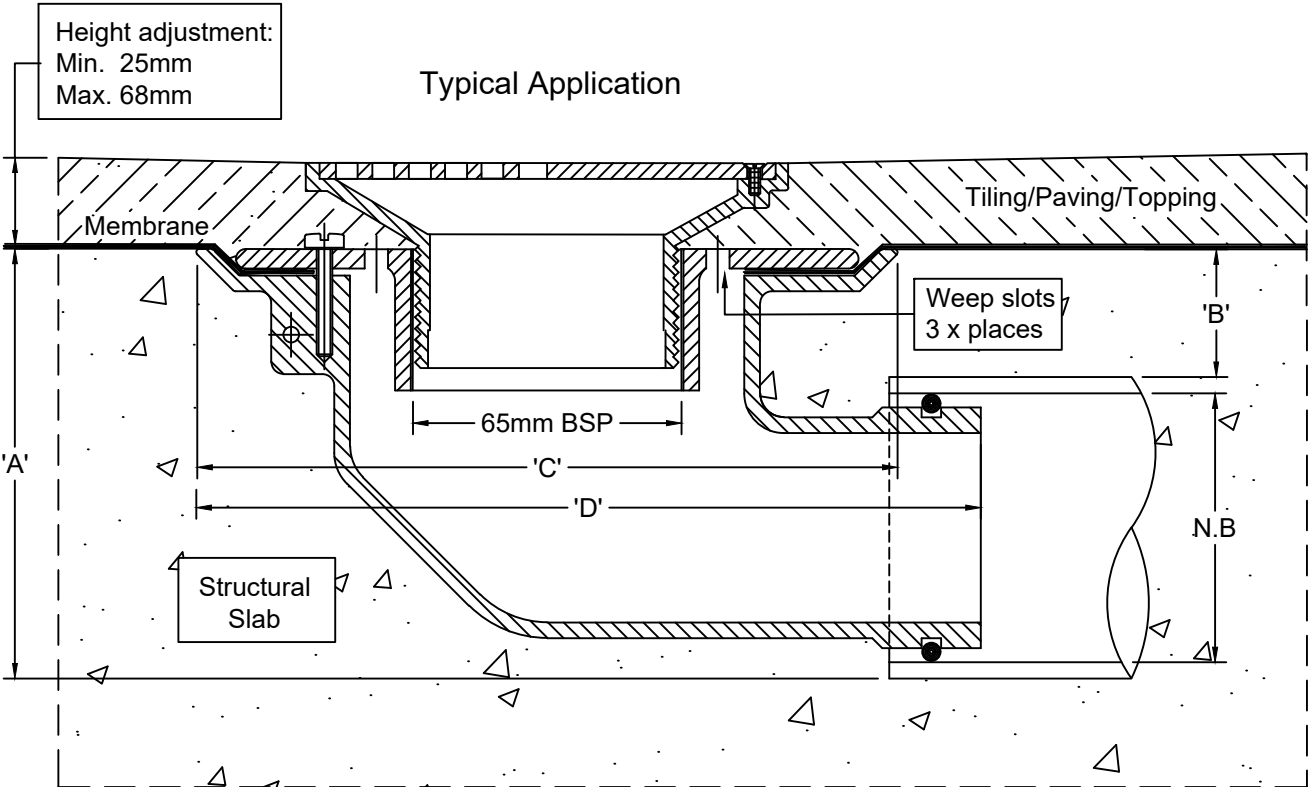
Specification code:

R130S4/C90 (polished 304 stainless steel, ABS lower body)
R130S/C90 (satin 316 stainless steel grate, ABS lower body)

65/50mm outlet



- Round grate assembly available in polished 304 or satin 316 stainless steel.
- ABS 90° Body and Reversible Membrane Clamp Collar with female 65mm BSP thread.



Outlet pushes into 65mm PVC or copper with o-ring connection, or connects to 50mm PVC/HDPE with no-hub coupling.

N.B.	A	B	C	D
50	100	40	180	200
65	105	37	180	200

*For flow rate data please refer to appendix.

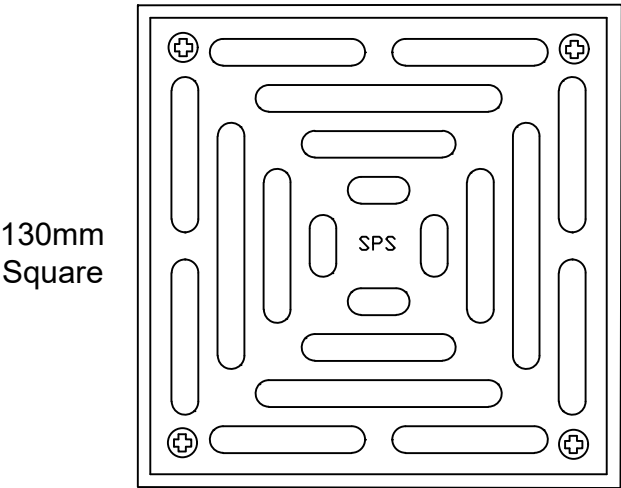
Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

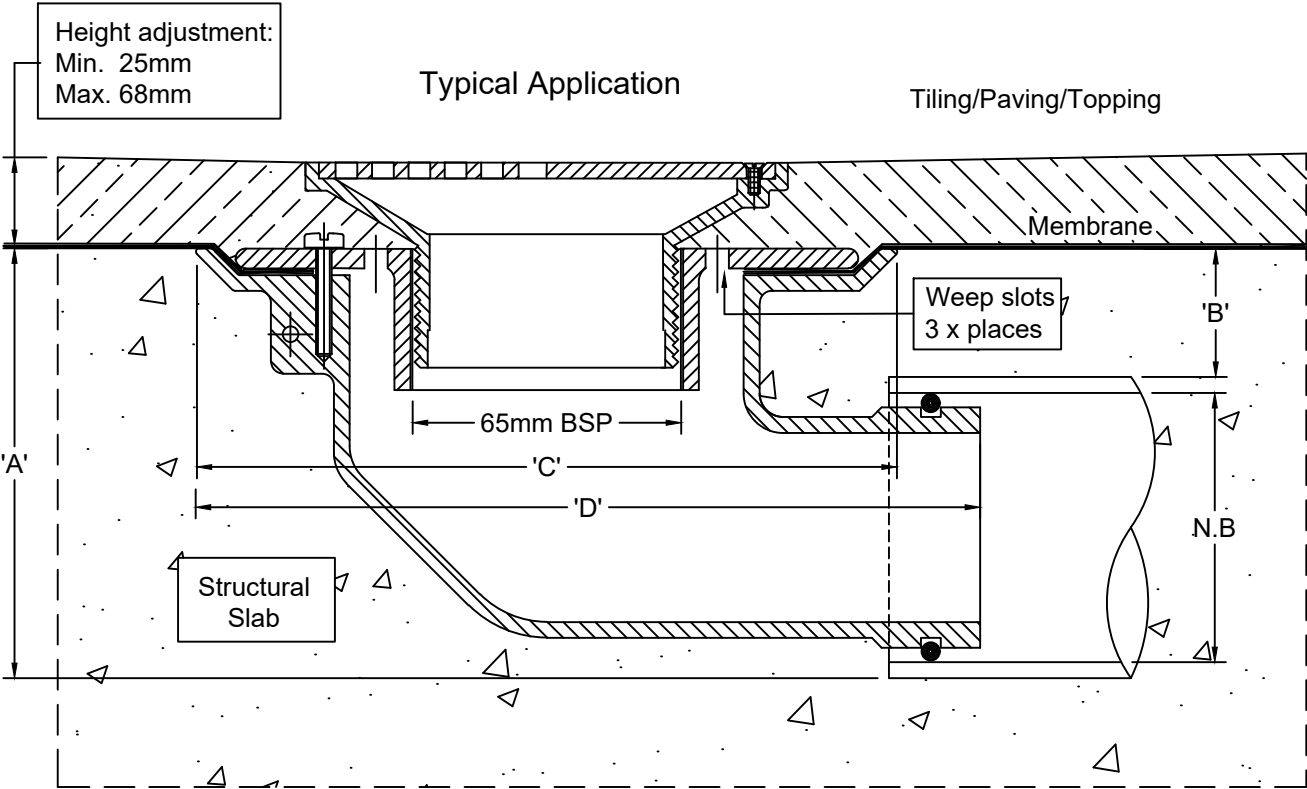
SPS 130mm Square Vari-Level Side Outlet Drain

Specification code:
Q130S4/C90 (polished 304 stainless steel, ABS lower body)
Q130S/C90 (satin 316 stainless steel grate, ABS lower body)

65/50mm outlet



- Square grate assembly available in polished 304 or satin 316 stainless steel.
- uPVC 90° Body and Reversible Membrane Clamp Collar with female 65mm BSP thread.



Outlet pushes into 65mm PVC or copper with o-ring connection, or connects to 50mm PVC/HDPE with no-hub coupling.

N.B.	A	B	C	D
50	100	40	180	200
65	105	37	180	200

*For flow rate data please refer to appendix.

Speciality Plumbing Supplies Pty Ltd

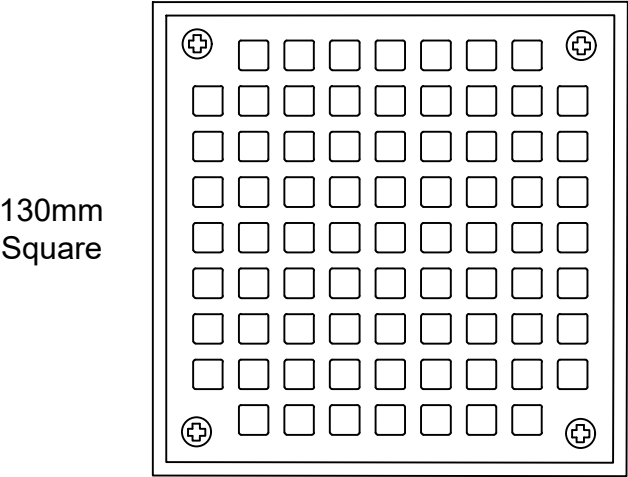
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 130mm Square Vari-Level Side Outlet Drain

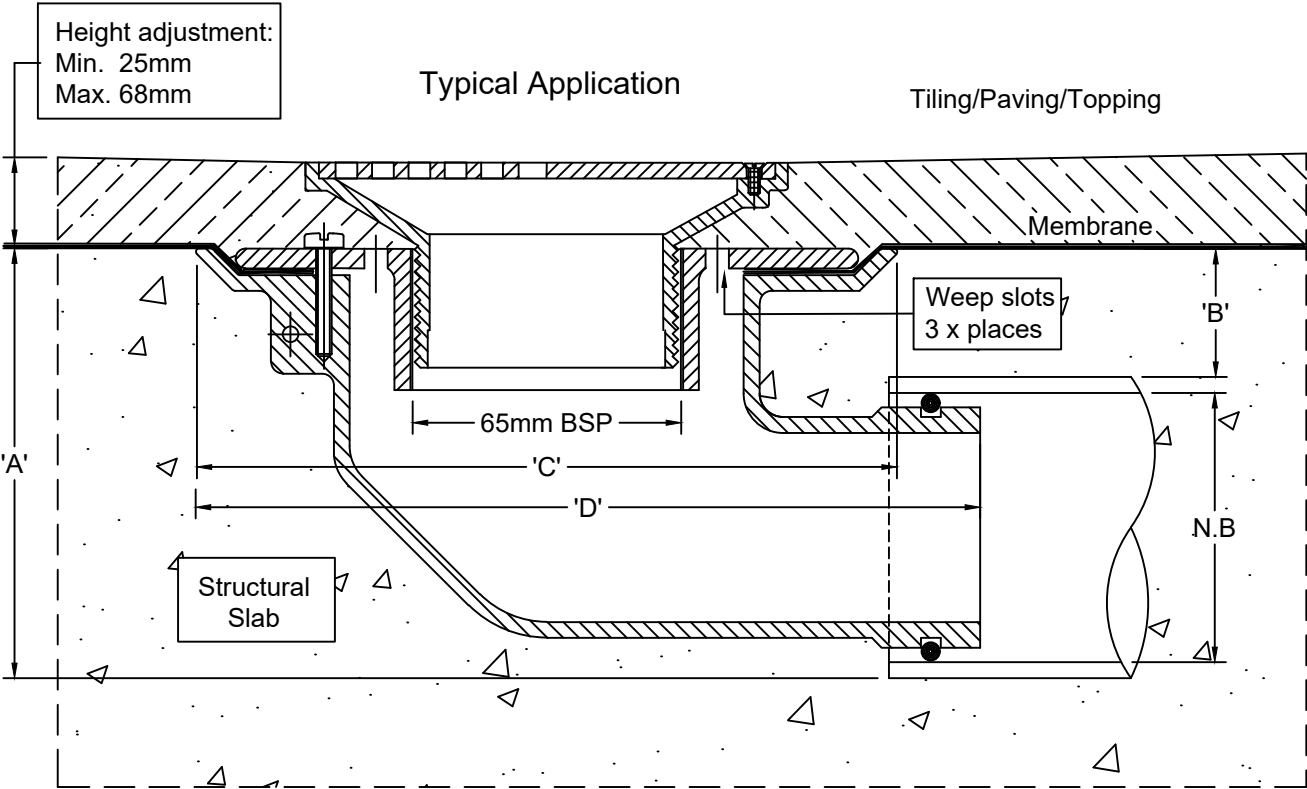
(Grid Pattern)

65/50mm outlet

Specification code:
 Q130SQ4/C90 (polished 304 stainless steel, ABS lower body)
 Q130SQ/C90 (satin 316 stainless steel grate, ABS lower body)



- Square grate assembly available in polished 304 or satin 316 stainless steel.
- ABS 90° Body and Reversible Membrane Clamp Collar with female 65mm BSP thread.



Outlet pushes into 65mm PVC or copper with o-ring connection, or connects to 50mm PVC/HDPE with no-hub coupling.

N.B.	A	B	C	D
50	100	40	180	200
65	105	37	180	200

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Round Vari-Level Floor Drain With Side-Outlet Lower Body

Specification codes:

R150G/C109 (bronze grate, CI lower body) *special order*

R150N/C109 (nickel bronze grate, CI lower body) *special order*

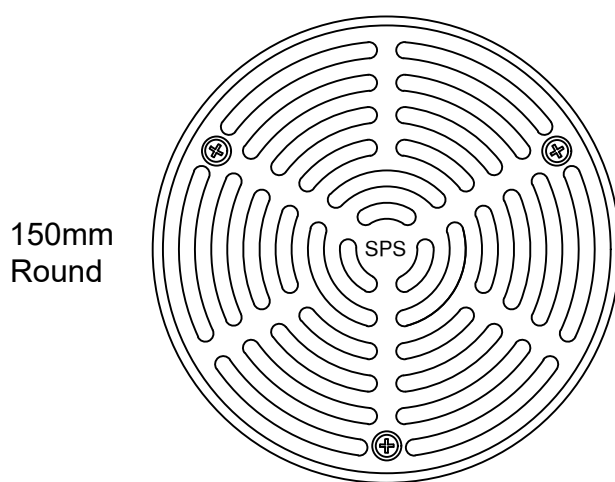
R150S4/C109 (polished 304 SS grate, CI lower body)

R150S/C109 (satin 316 SS grate, CI lower body)

Side outlet - "C109" = 100mm; "C89" = 80mm

100mm outlet
80mm outlet

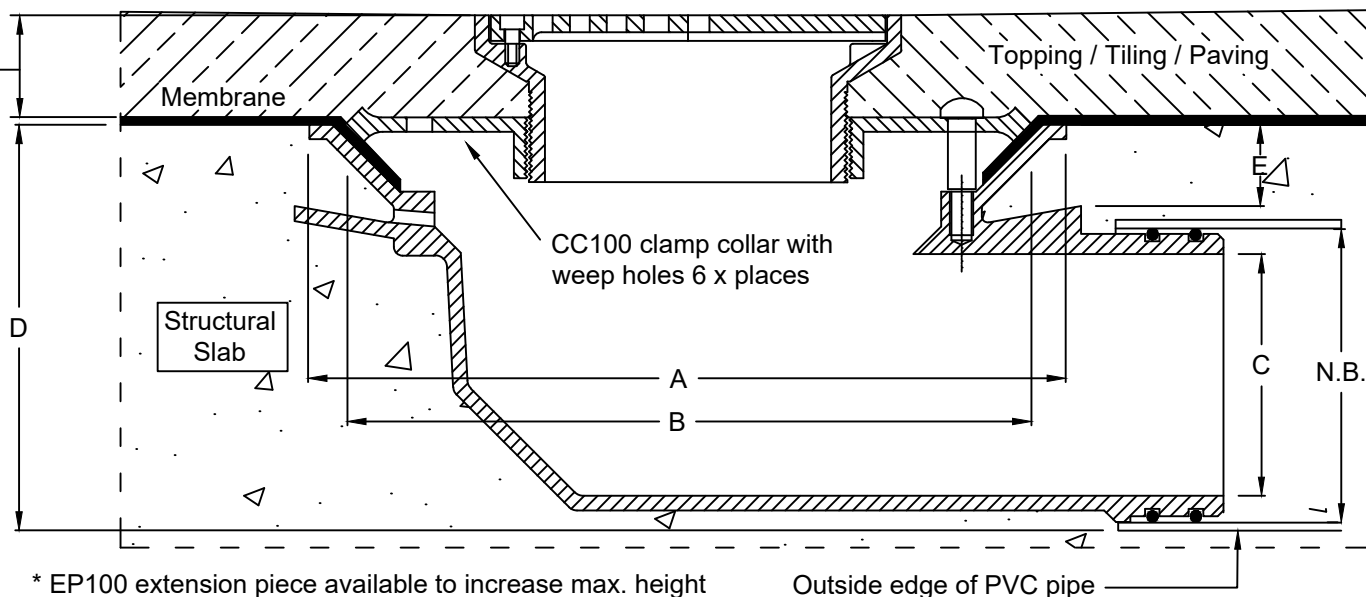
High-heel friendly pattern (5mm gaps)



- Height-adjustable grate assembly.
- Available polished 304 and 316 stainless steel. Bronze and nickel-bronze available by special order only.
- CI "Truflo" side-outlet lower body with 100mm BSP reversible clamp collar.

Height adjustment:
Min. 25mm
Max. 60mm*

Typical Application



* EP100 extension piece available to increase max. height

N.B.	A	B	C	D	E
80	260	240	62	115	28
100	260	240	83	140	28

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

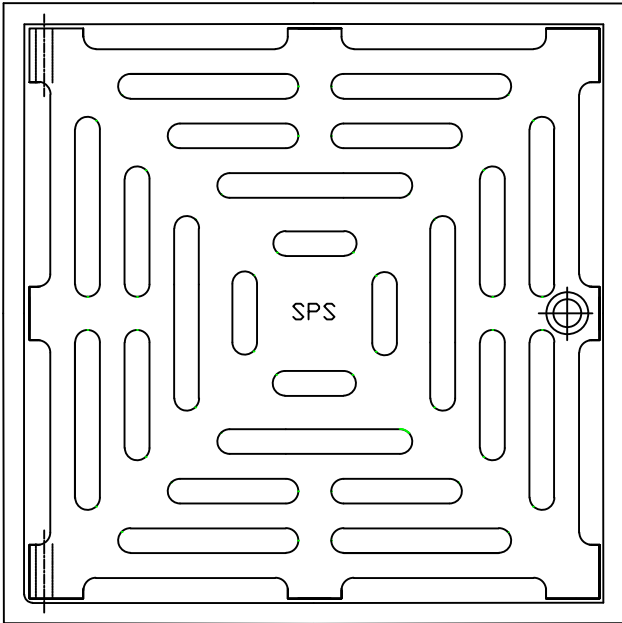
SPS 150mm Square Vari-Level Floor Drain With Side-Outlet Lower Body

Specification codes:

Q150G/C109 (bronze grate, CI lower body) *special order*
 Q150N/C109 (nickel bronze grate, CI lower body) *special order*
 Q150S4/C109 (polished 304SS, CI lower body)
 Q150S/C109 (satin 316SS grate, CI lower body)
 Side outlet - "C109" = 100mm; "C89" = 80mm

100mm outlet
 80mm outlet

High-heel friendly pattern (6mm gaps)

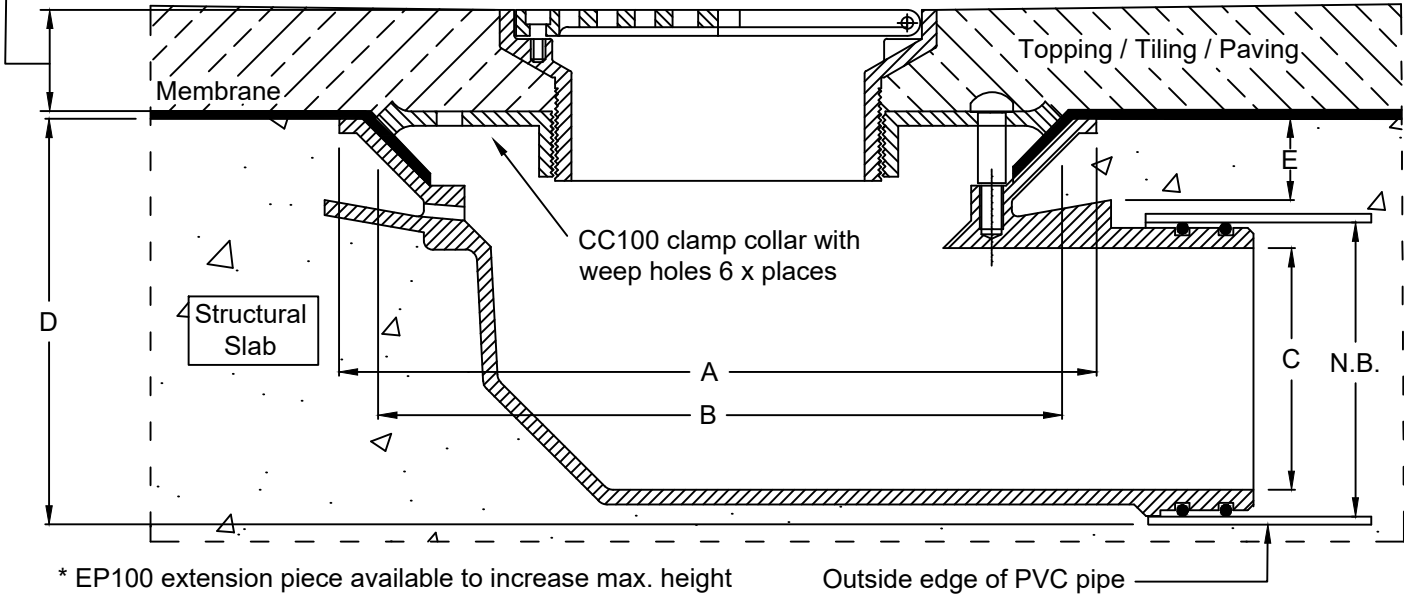


150mm
 Square

- Height-adjustable hinged grate assembly.
- Available in polished 304 and satin 316 stainless steel. Bronze and nickel-bronze available by special order only.
- CI "Truflo" side-outlet lower body with 100mm BSP reversible clamp collar.

Height adjustment:
 Min. 25mm
 Max. 60mm*

Typical Application



N.B.	A	B	C	D	E
80	260	240	62	115	28
100	260	240	83	140	28

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Square Vari-Level Floor Drain Side-Outlet Lower Body (Grid Pattern)

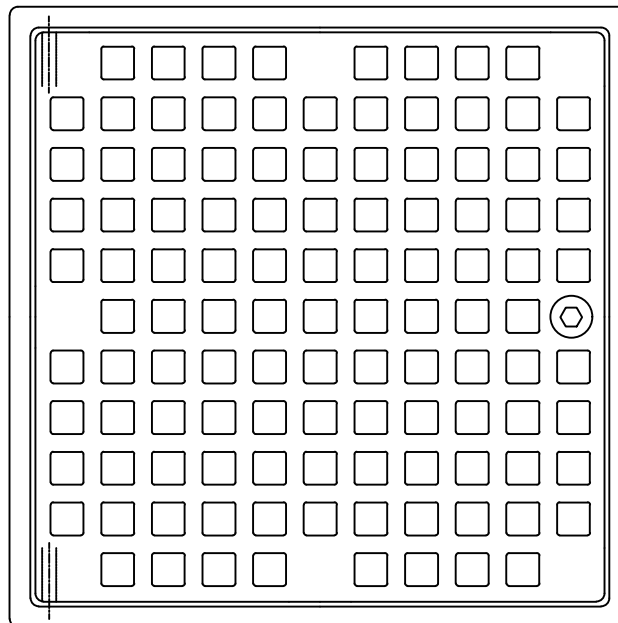
Specification codes:

Q150SQ/C109 (satin 316SS grate, CI lower body)
Side outlet - "C109" = 100mm; "C89" = 80mm

100mm outlet
80mm outlet

Grid Pattern (8mm sq. holes)

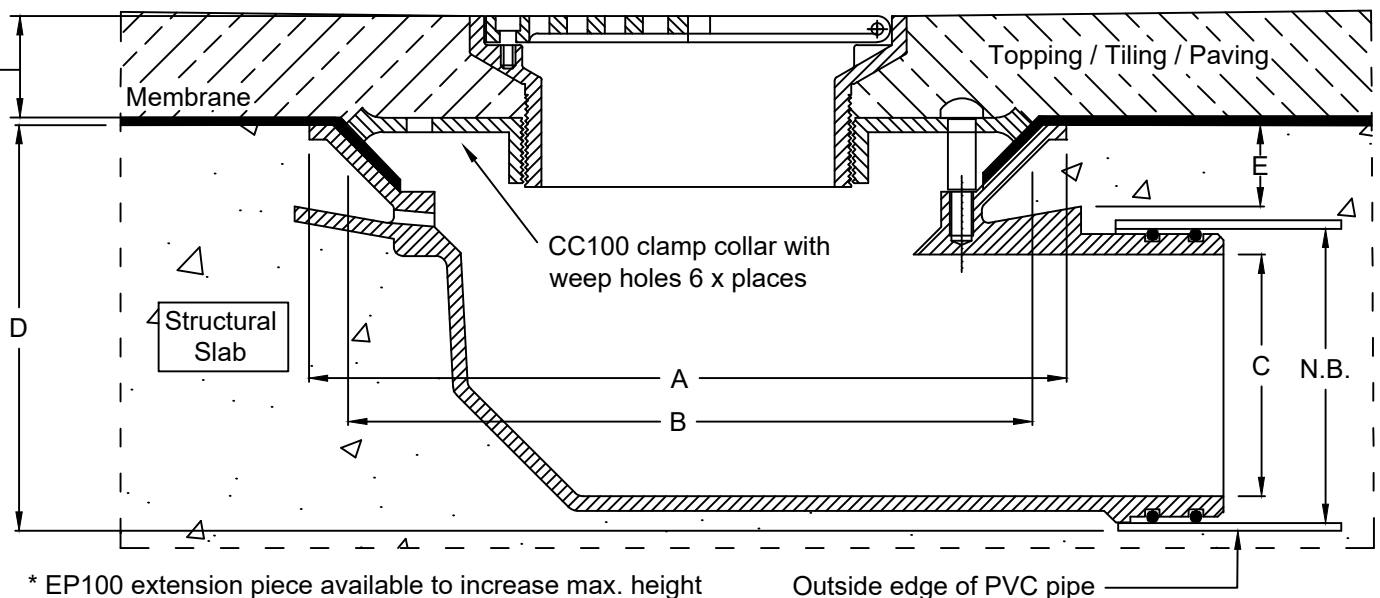
150mm
Square



- Height-adjustable hinged grate assembly. Grate pattern 8mm square holes.
- Available in satin 316 stainless steel only.
- CI "Truflo" side-outlet lower body with 100mm BSP reversible clamp collar.

Height adjustment:
Min. 25mm
Max. 60mm*

Typical Application



N.B.	A	B	C	D	E
80	260	240	62	115	28
100	260	240	83	140	28

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

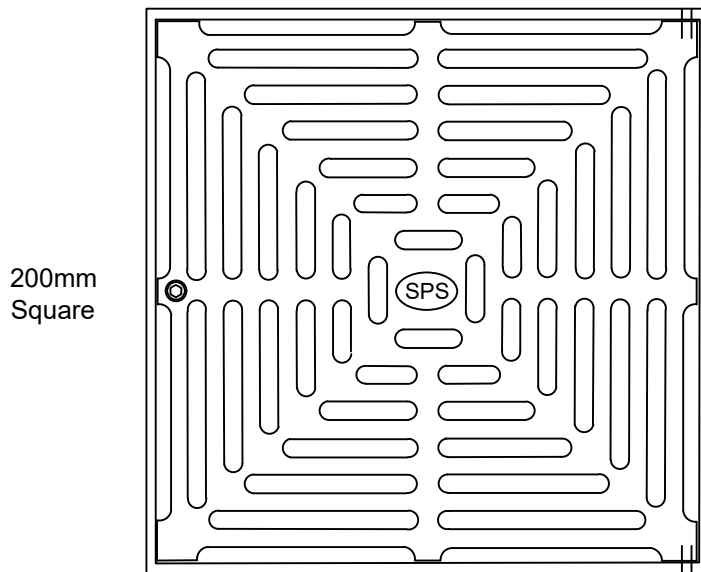
SPS 200mm Square Vari-Level Floor Drain With Side-Outlet Lower Body

Specification codes:

Q200G/C109 (bronze grate, CI lower body) *special order*
 Q200N/C109 (nickel bronze grate, CI lower body) *special order*
 Q200S4/C109 (polished 304SS grate, CI lower body)
 Q200S/C109 (satin 316 SS grate, CI lower body)
 Side outlet - "C109" = 100mm; "C89" = 80mm

100mm outlet
 80mm outlet

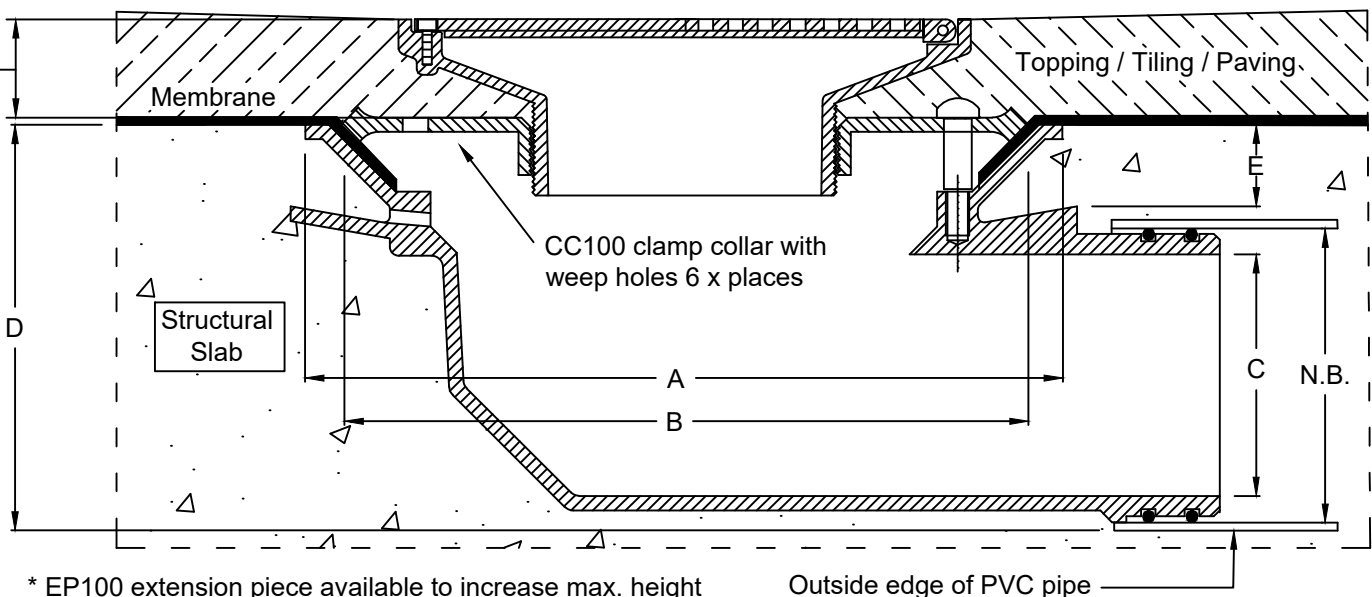
High-heel friendly pattern (6mm gaps)



- Height-adjustable hinged grate assembly.
- Available in polished 304 and satin 316 stainless steel. Bronze and nickel-bronze available by special order only.
- CI "Truflo" side-outlet lower body with 100mm BSP reversible clamp collar.

Height adjustment:
 Min. 30mm
 Max. 70mm

Typical Application



N.B.	A	B	C	D	E
80	260	240	62	115	28
100	260	240	83	140	28

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 200mm Square Vari-Level Floor Drain Side-Outlet Lower Body, Grid Pattern

Specification code:

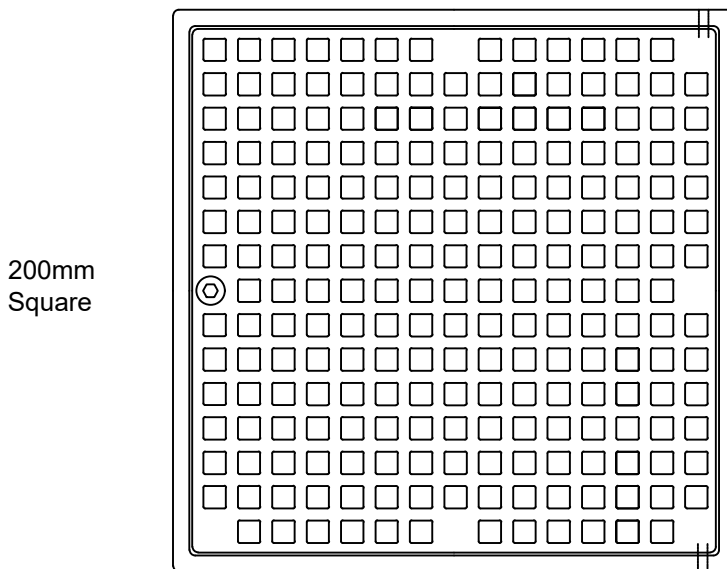
Q200SQ/C109 (satin 316 SS grate, 100mm CI lower body)

Q200SQ/C89 (satin 316 SS grate, 80mm CI lower body)

Side outlet - "C109" = 100mm; "C89" = 80mm

100mm outlet
80mm outlet

Grid Pattern (8mm sq. holes)

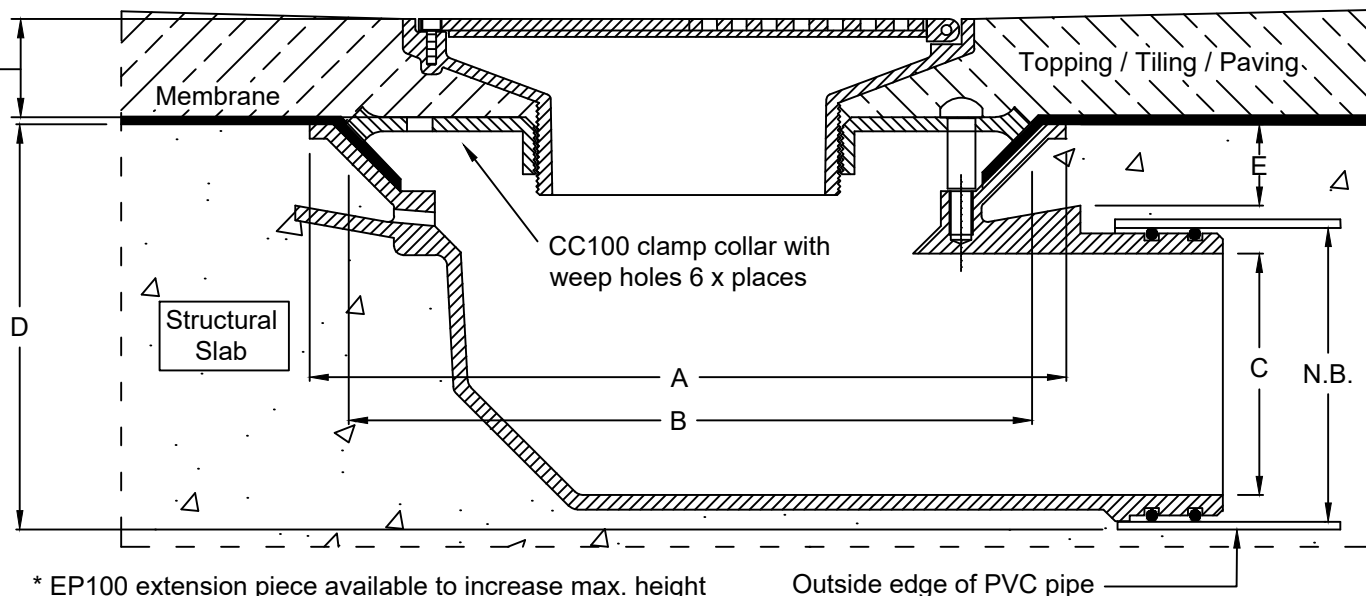


200mm
Square

- Height - adjustable grate assembly. Grate pattern 8mm square holes.
- Available in satin 316 stainless steel only.
- CI "Truflo" side-outlet lower body with 100mm BSP reversible clamp collar.

Height adjustment:
Min. 30mm
Max. 70mm

Typical Application



N.B.	A	B	C	D	E
80	260	240	62	115	28
100	260	240	83	140	28

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 225mm Round Vari-Level Floor Drain With Side-Outlet Lower Body

Specification codes:

R225N/C109 (nickel bronze grate, CI lower body) *special order*

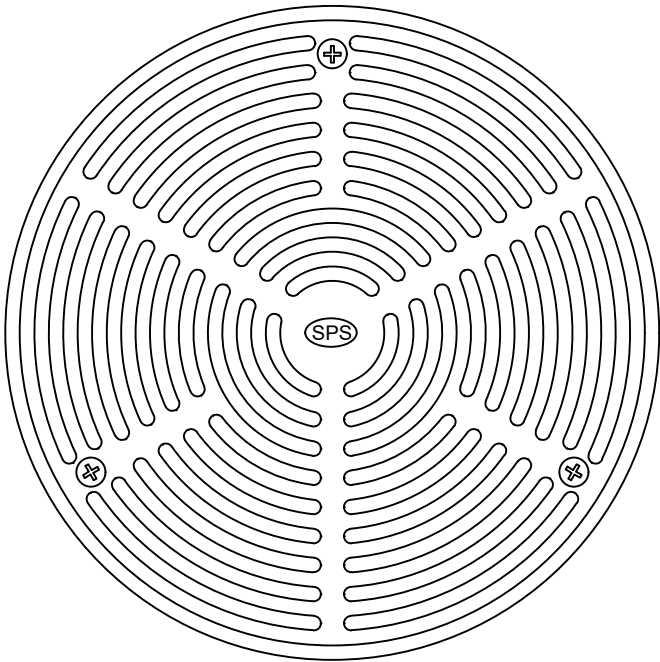
R225S/C109 (satin 316 SS grate, CI lower body)

Side outlet - "C109" = 100mm; "C89" = 80mm

100mm outlet

80mm outlet

High-heel friendly pattern (5.5mm gaps)



225mm
Round

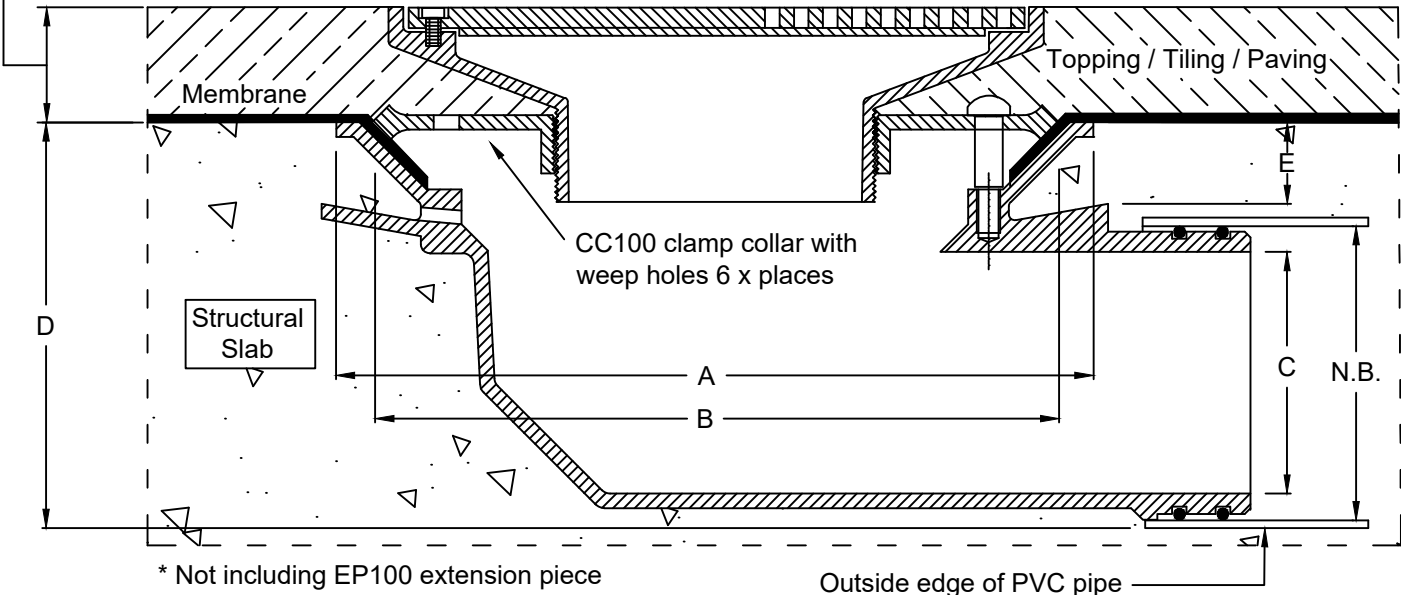
- Height-adjustable heel-friendly grate assembly.
- Available in satin 316 stainless steel. Nickel-bronze and polished 304SS available by special order only.
- CI "Truflor" side-outlet lower body with 100mm BSP reversible clamp collar.

Height adjustment:

Min. 30mm

Max. 70mm*

Typical Application



N.B.	A	B	C	D	E
80	260	240	62	115	28
100	260	240	83	140	28

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 225mm Square Vari-Level Floor Drain With Side-Outlet Lower Body

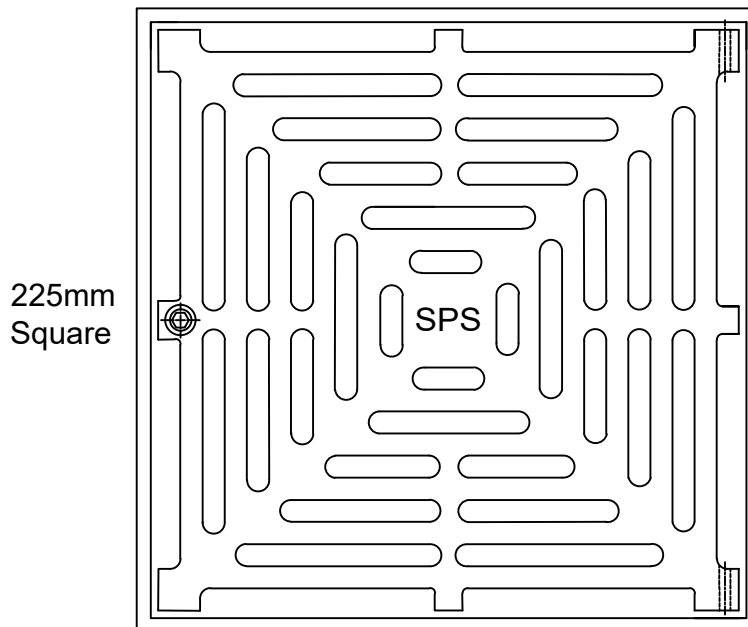
Specification codes:

Q225N/C109 (nickel bronze grate, CI lower body) *special order*

Q225S/C109 (satin 316 SS grate, CI lower body)

Side outlet - "C109" = 100mm; "C89" = 80mm

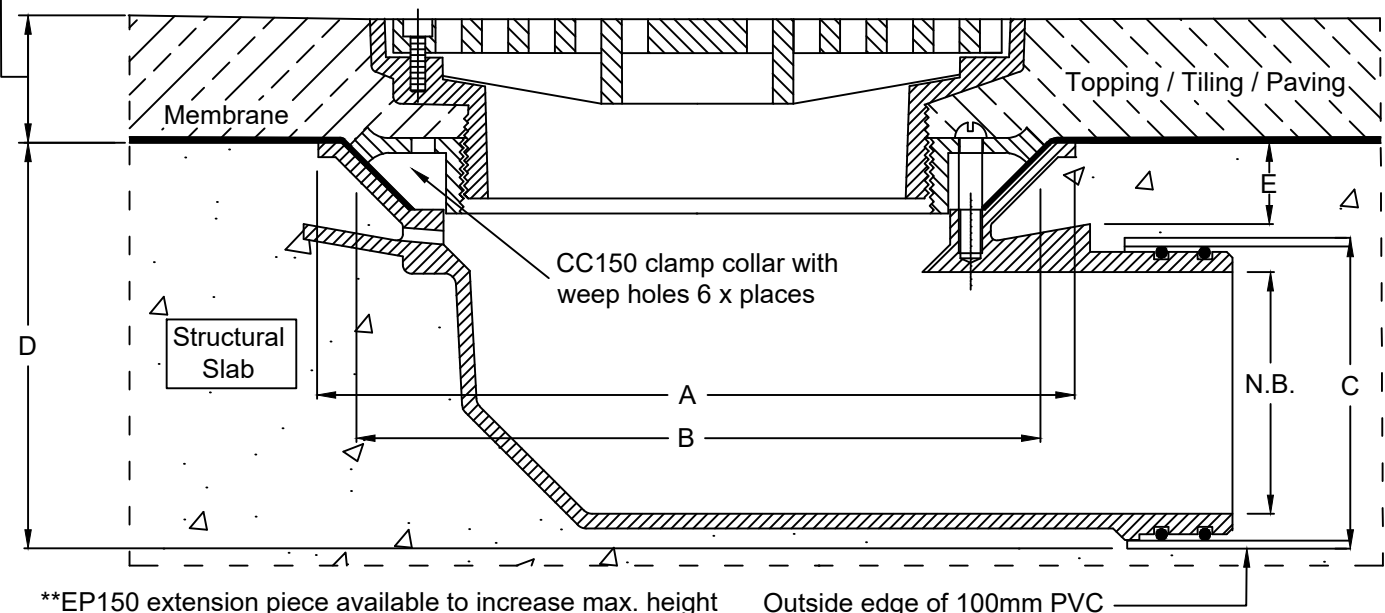
100mm outlet
80mm outlet



- Height-adjustable hinged grate assembly.
- Available in satin 316 stainless steel. Nickel-bronze available by special order only.
- CI "Truflow" side-outlet lower body with 150mm BSP reversible clamp collar.
- Load tested to Class C of AS3996-2006.

Height adjustment:
Min. 32mm
Max. 80mm**

Typical Application



N.B.	A	B	C	D	E
80	260	240	62	115	28
100	260	240	83	140	28

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 300mm Round Vari-Level Floor Drain With Side-Outlet Lower Body

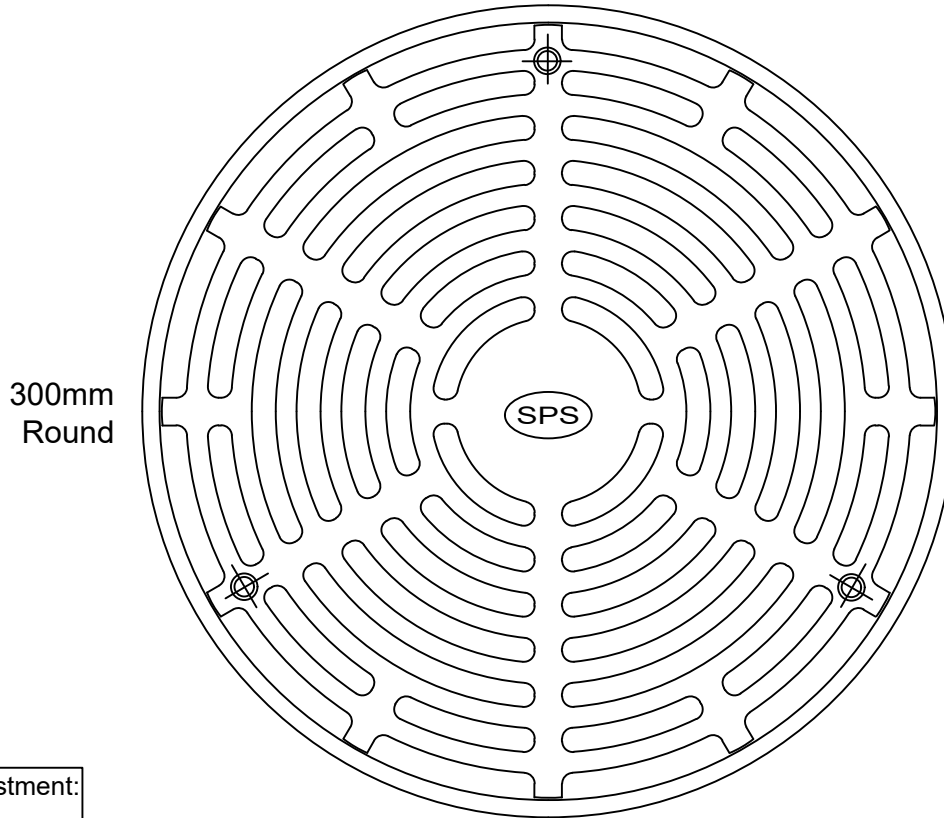
Specification codes:

R300D/C109 (galvanised ductile iron grate, CI lower body)

R300S/C109 (satin 316 SS grate, CI lower body)

Side outlet - "C109" = 100mm; "C89" = 80mm

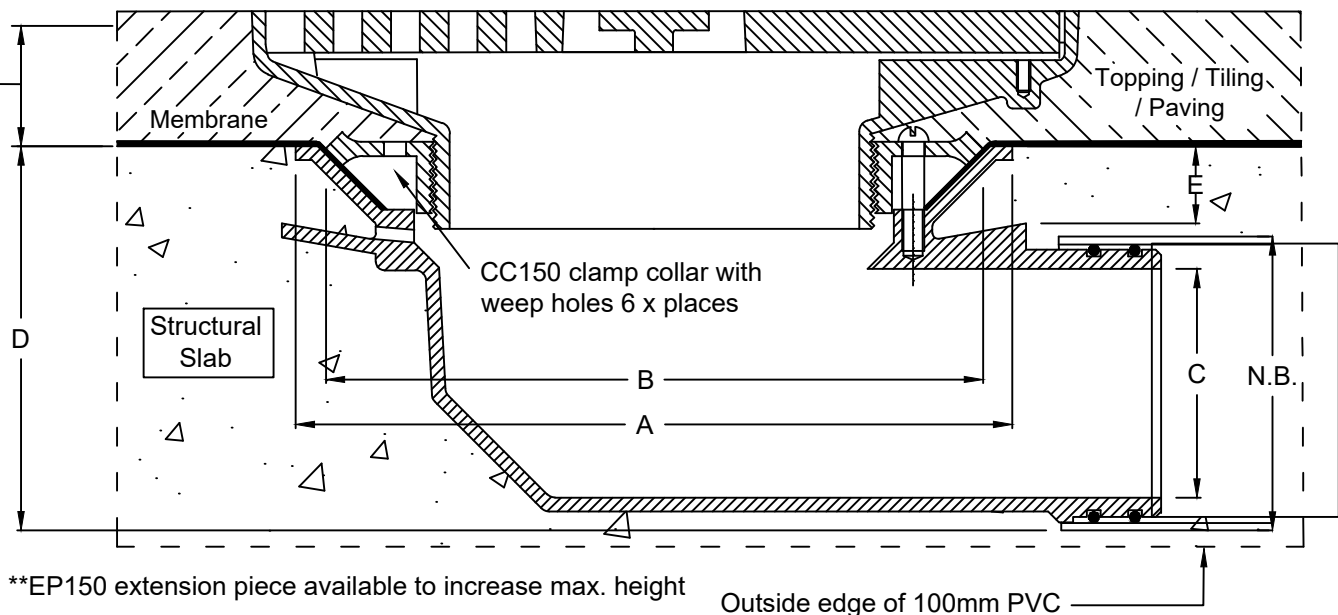
100mm outlet
80mm outlet



- Height-adjustable grate assembly.
- Available in galvanised ductile iron and 316 stainless steel.
- CI "Truflo" side-outlet lower body with 150mm BSP reversible clamp collar.
- Load tested to Class C of AS3996-2006.

Height adjustment:
Min. 50mm
Max. 90mm**

Typical Application



N.B.	A	B	C	D	E
80	260	240	62	115	28
100	260	240	83	140	28

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 300mm Square Vari-Level Floor Drain With Side-Outlet Lower Body

Specification codes:

Q300D/C109 (galvanised ductile iron grate, CI lower body)

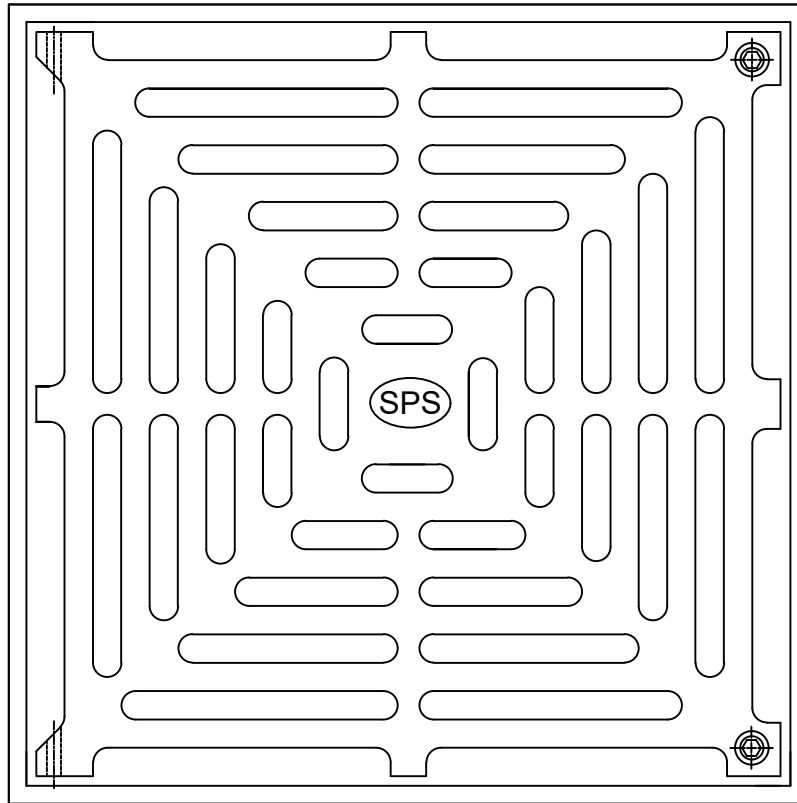
Q300S4/C109 (polished 304 SS grate, CI lower body)

Q300S/C109 (satin 316 SS grate, CI lower body)

Side outlet - "C109" = 100mm; "C89" = 80mm

100mm outlet
80mm outlet

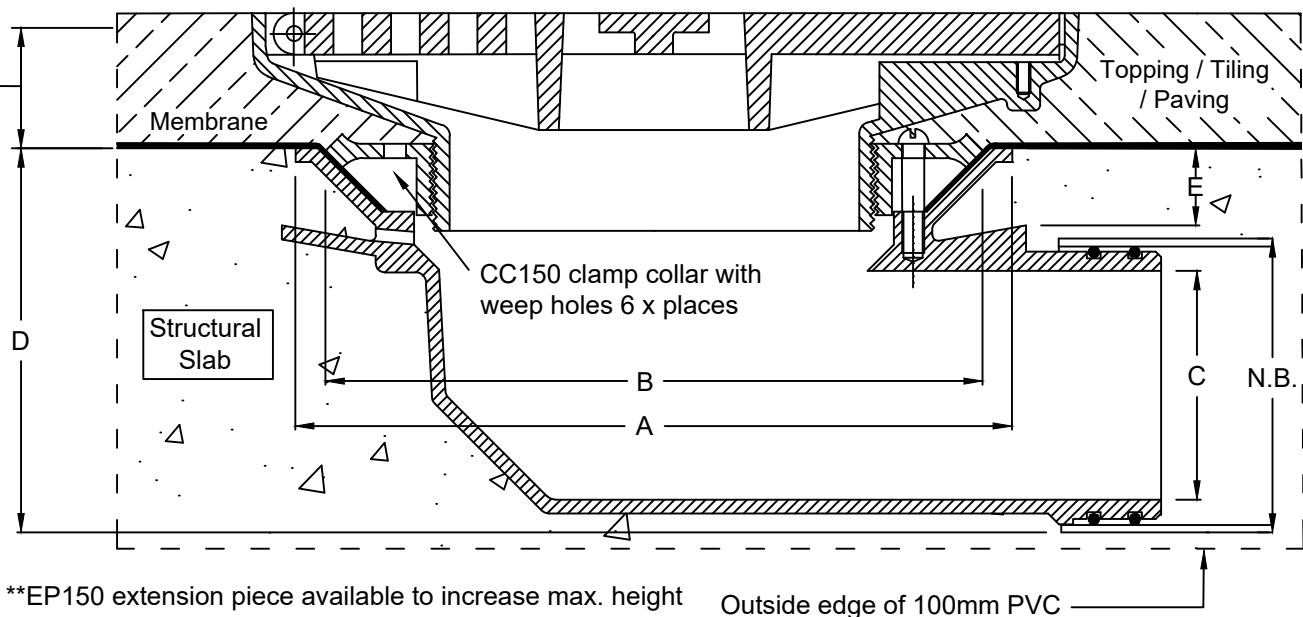
300mm
Square



- Height-adjustable hinged grate assembly.
- Available in galvanised ductile iron and 316 stainless steel.
- CI "Truflo" side-outlet lower body with 150mm BSP reversible clamp collar.
- Load tested to Class C of AS3996-2006.

Height adjustment:
Min. 30mm
Max. 90**

Typical Application



**EP150 extension piece available to increase max. height

Outside edge of 100mm PVC

N.B.	A	B	C	D	E
80	260	240	62	115	28
100	260	240	83	140	28

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 300mm Square Fine Pattern Drain With Side-Outlet Lower Body

Specification code:

Q300S24/C109 (polished 304 SS grate, 100mm CI lower body)

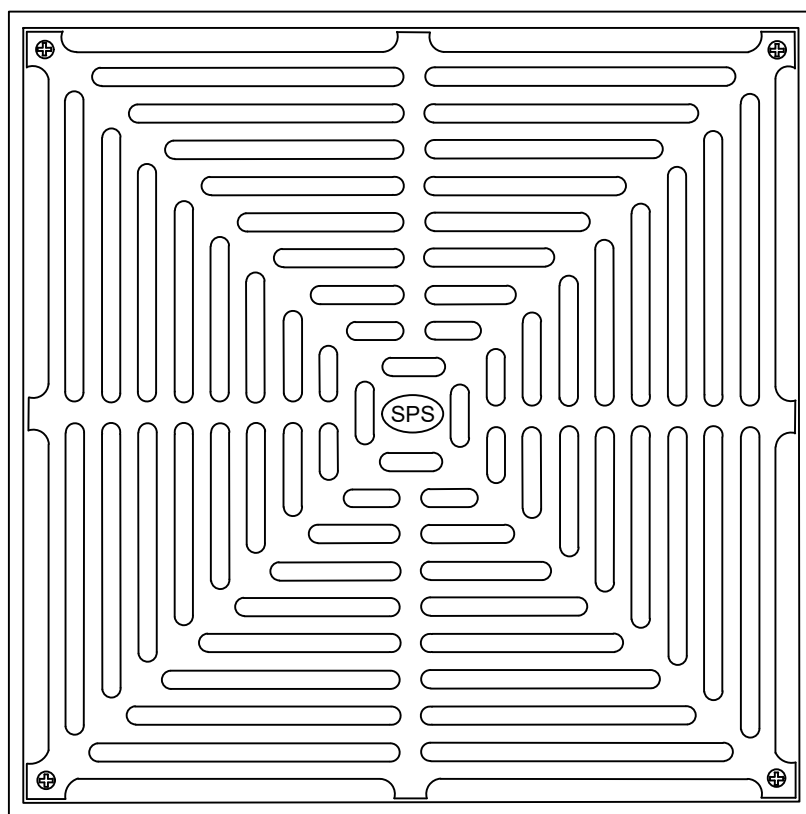
Q300S2/C109 (satin 316 SS grate, 100mm CI lower body)

Side outlet - "C109" = 100mm; "C89" = 80mm

100mm outlet
80mm outlet

High-heel friendly pattern (6mm gaps)

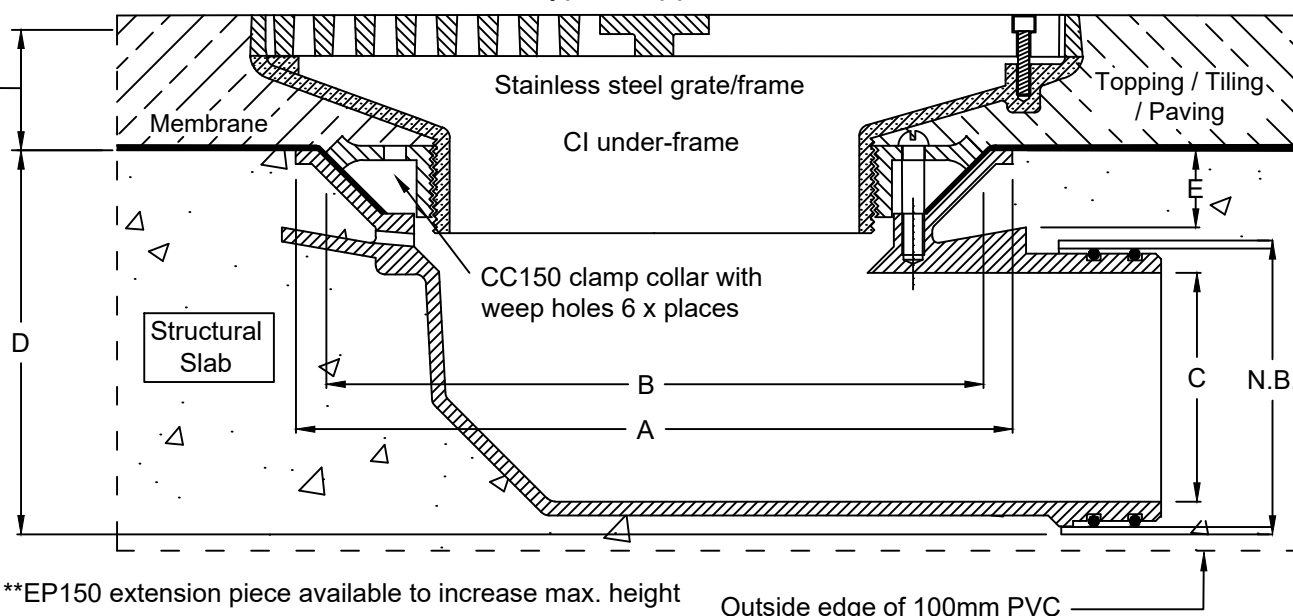
300mm
Square
6mm
Gaps



- Height-adjustable grate assembly with high-heel-friendly pattern.
- Available in polished 304 and satin 316 stainless steel.
- CI "Truflo" side-outlet lower body with 150mm BSP reversible clamp collar.

Height adjustment:
Min. 30mm
Max. 90mm**

Typical Application



N.B.	A	B	C	D	E
80	260	240	62	115	28
100	260	240	83	140	28

Speciality Plumbing Supplies Pty Ltd

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SECTION 5

Vinyl Floor Wastes

		<u>To suit pipe size (mm):</u>
5.01	110mm Round - Push-in	50
5.02	117mm Round - Push-in	80
5.03	135mm Round - Push-in - Unifin	100
5.04	135mm Round - Push-in	100
5.05	135mm Round - Push-in - with 1.25" socket for portable baths	100
5.06	125mm Round - Low-profile - with retro-fit puddle flange	100
5.07	125mm Round - Low-profile - Unifin	100
5.08	125mm Round - Low-profile	100
5.09	220mm Round - Push-in (150 outlet)	150
5.10	125mm Round - Low-profile - Vari-level	100
5.11	155mm Round - Vari-level	100
5.12	220mm Round - Vari-level (150 outlet)	150
5.13	155mm Round - Vari-level - 90° Outlet	80 & 100
5.14	220mm Round - Vari-level - 90° Outlet	80 & 100

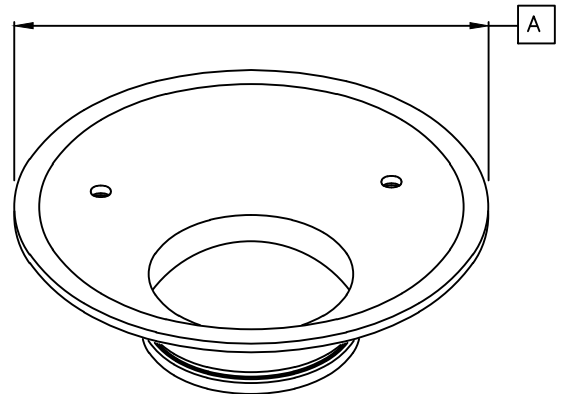
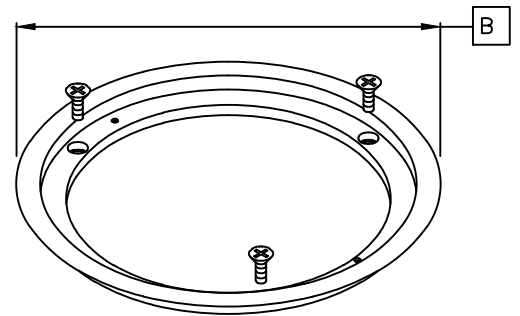
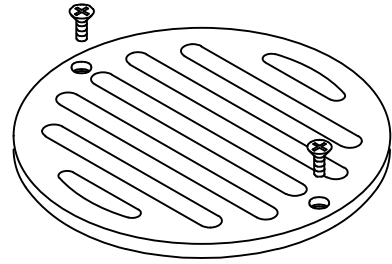
SPS 50mm Push-In Sheet Vinyl Floor Waste

Specification codes:

LG50SSA4 (entire assembly in 304 stainless steel)

LG50SSA6 (316 SS ring/grate, 304 SS body) *special order*

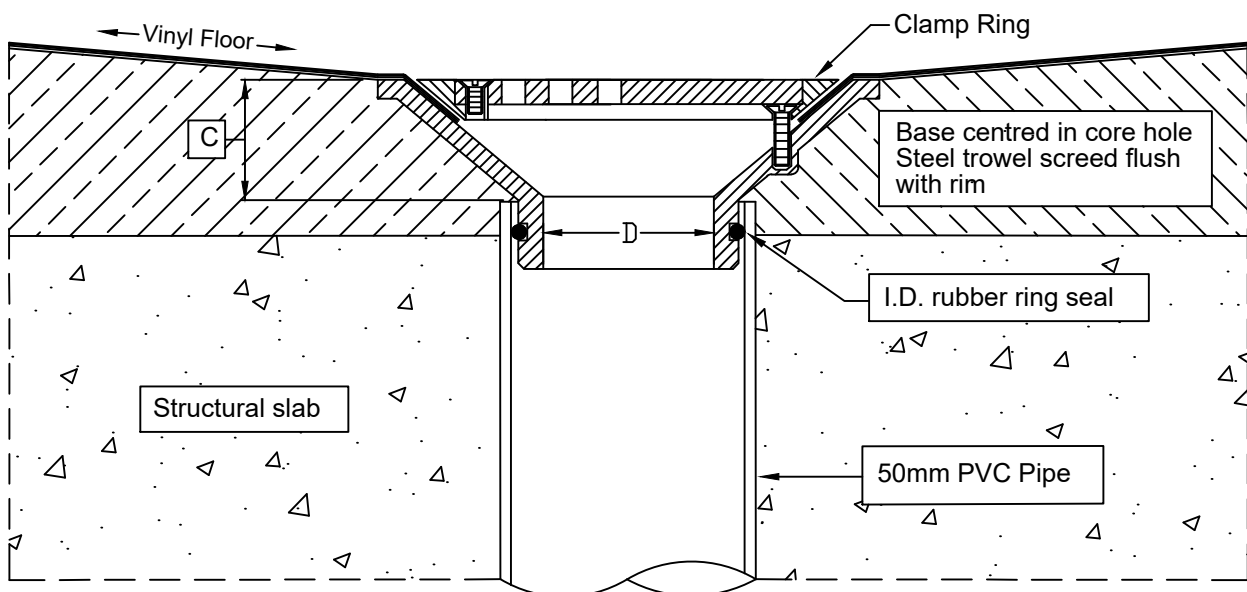
- Push-in floor waste assembly for sheet vinyl flooring.
- Available in all 304 stainless steel. 316 stainless steel top available by special order only.
- O-ring adapts outlet to 50mm PVC.



DIMENSIONAL DATA

NOMINAL OUTLET DIAMETER	DIMENSION IN MILLIMETRES			
	ØA	ØB	ØC	ØD
50	112	100	35	42

Typical Application



Speciality Plumbing Supplies Pty Ltd

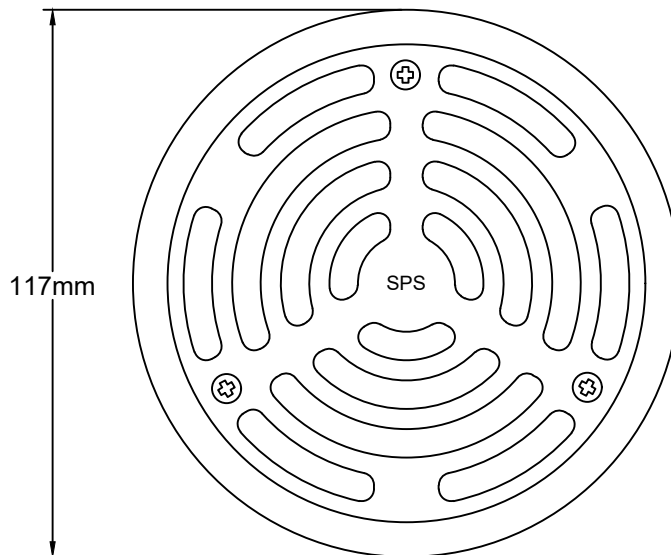
Tel:(02) 9417 1900 Fax:(02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 80mm Push-in Sheet Vinyl Floor Waste

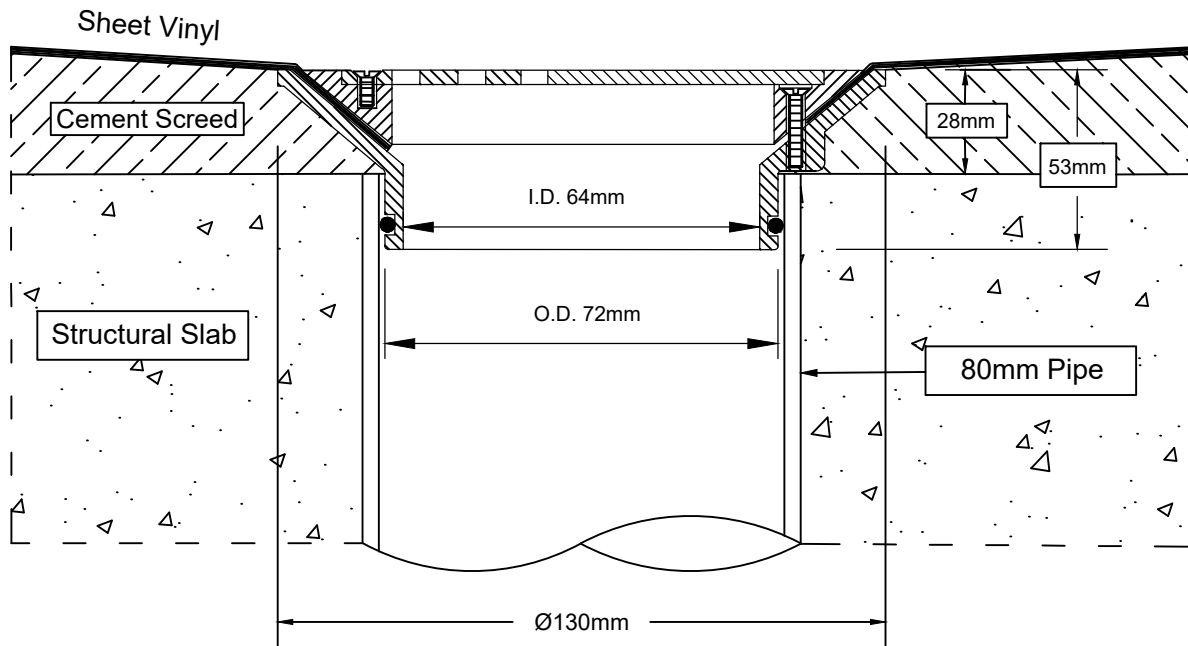
Specification codes:

V80SVA (304 stainless steel ring & grate, ABS body)
V80SVA6 (316 stainless steel ring & grate, ABS body)
V80SSA4 (All-304 stainless steel assembly)
V80SSA6 (316 SS ring/grate, 304SS body) *special order*

- Push-in floor waste assembly for sheet vinyl flooring.
- Vinyl floor drain body available in ABS and 304. 316SS body available by special order.
- Ring & grate available in polished 304 and 316 stainless steel.
- O-rings adapt outlet to 80mm PVC & copper pipe.



Typical Application



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SPS 100mm Push-in Vinyl Floor Waste & Cleanout with Universal Fin-Seal

Specification codes:

VH87CPA (ABS body, chrome-plated zinc-alloy top)

VH87SVA (ABS body, polished 304SS top)*

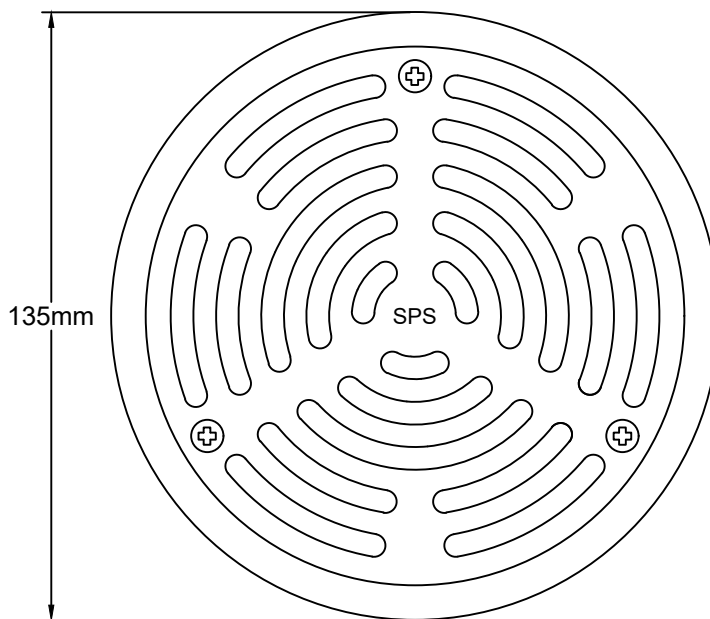
Cleanout (polished) VH87SPA (ABS body, 304SS* top)

Cleanout (non-slip) VH87SPNA (ABS body, 304SS* top)

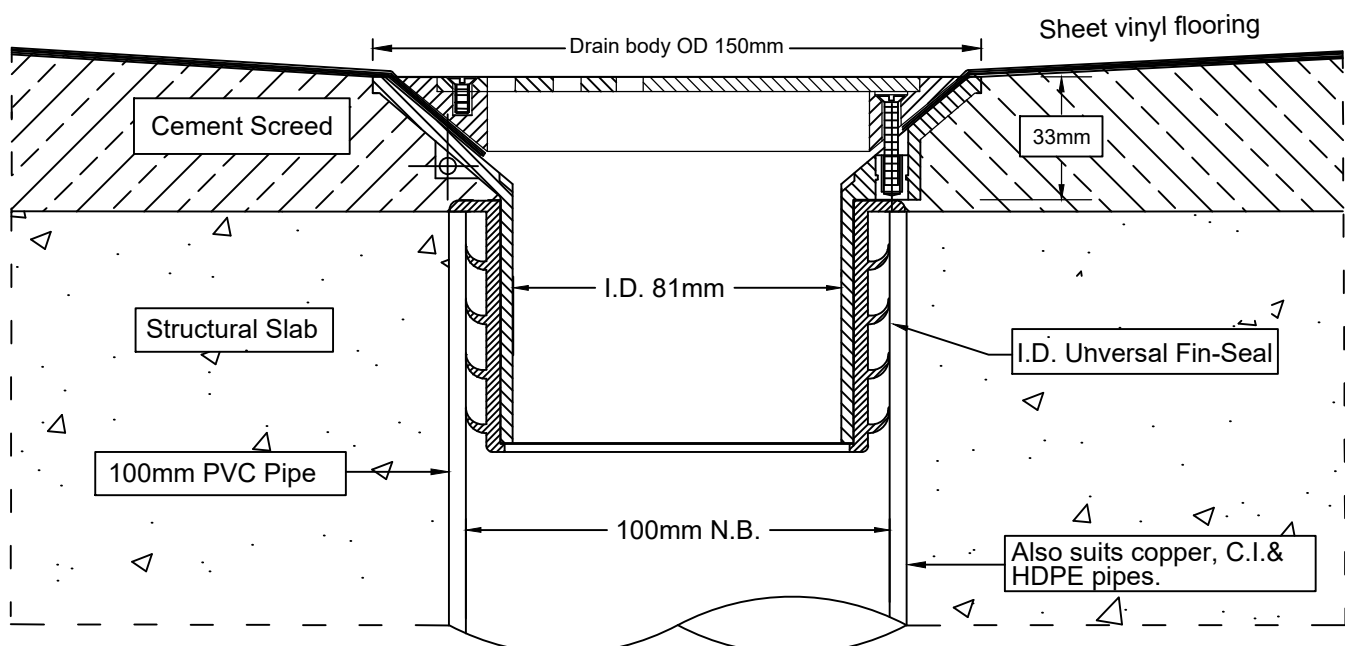
* for 316, use "6" as suffix, eg "VH87SVA6"

- Vinyl floor waste slips inside 100mm PVC, HDPE and copper with the same Universal Fin-Seal connector.
- Grates/rings available in chrome-plated zincalloy, polished 304SS and satin 316SS.
- Cleanout tops available in polished or non-slip 304SS. 316SS non-stock option.

5mm bar x 5mm gap heel friendly design



Typical Application



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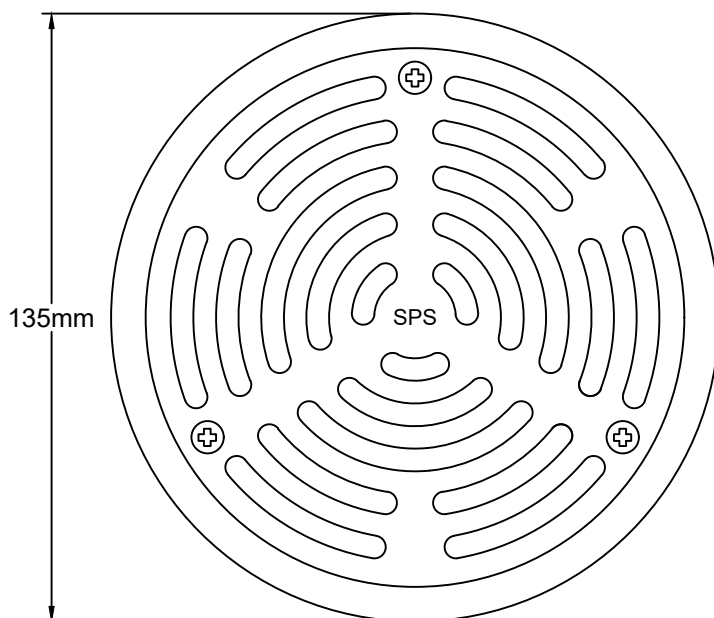
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 100mm Push-in Sheet Vinyl Floor Waste

Specification codes:

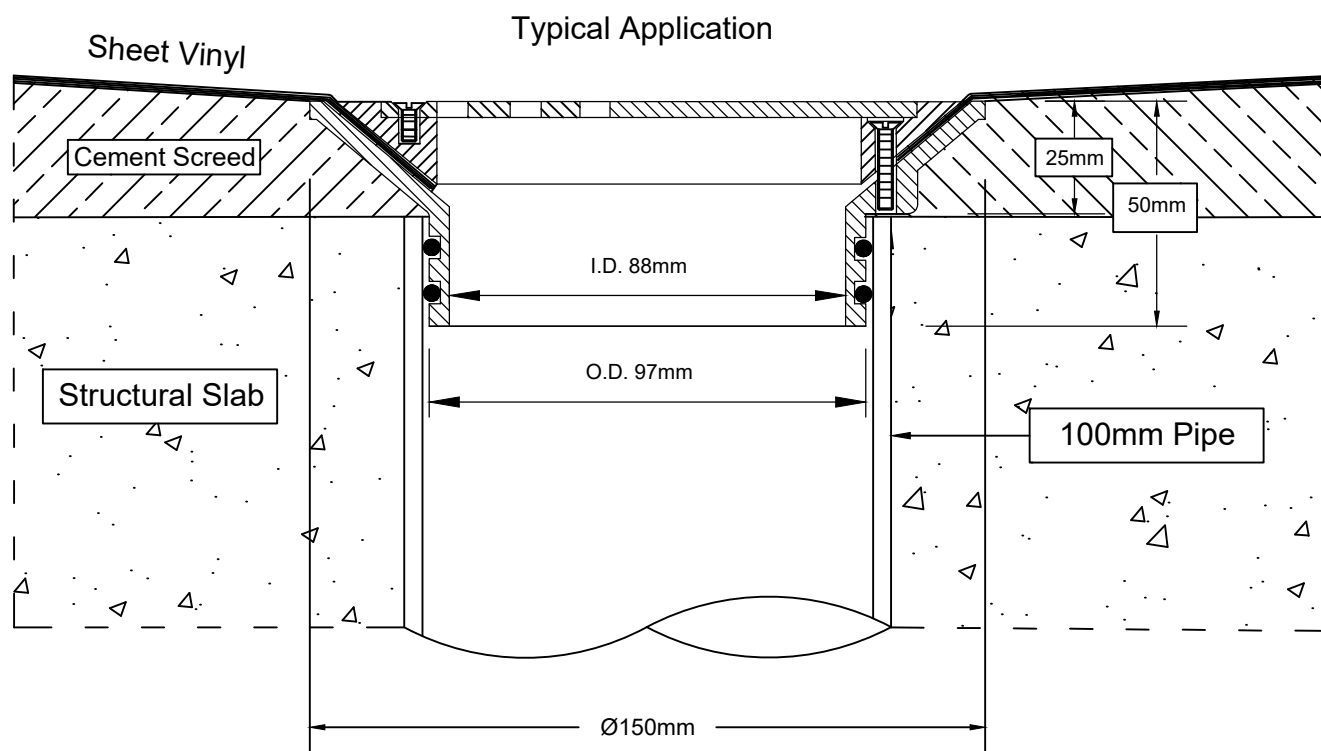
V100SVA (ABS body, polished 304 SS ring & grate)
V100SVA6 (ABS body, polished 316 SS ring & grate)
V100SSA4 (Assembly in polished 304 stainless steel)
V100SSA6 (Assembly in polished 316 stainless steel)

5mm bar x 5mm gap heel friendly design



- Push-in floor waste assembly for sheet vinyl flooring.
- Drain body available in ABS, zinc-alloy and 304 grade stainless steel. 316SS available by special order.
- Ring & grate available in chrome-plated zinc-alloy or polished 304 grade stainless steel. 316SS available by special order.
- O-rings adapt outlet to 100mm PVC, copper, HDPE or CI pipe.
- Watermarked under ATS5200:040 (ref: 20052)

⊗ — Tamper-proof screws optional



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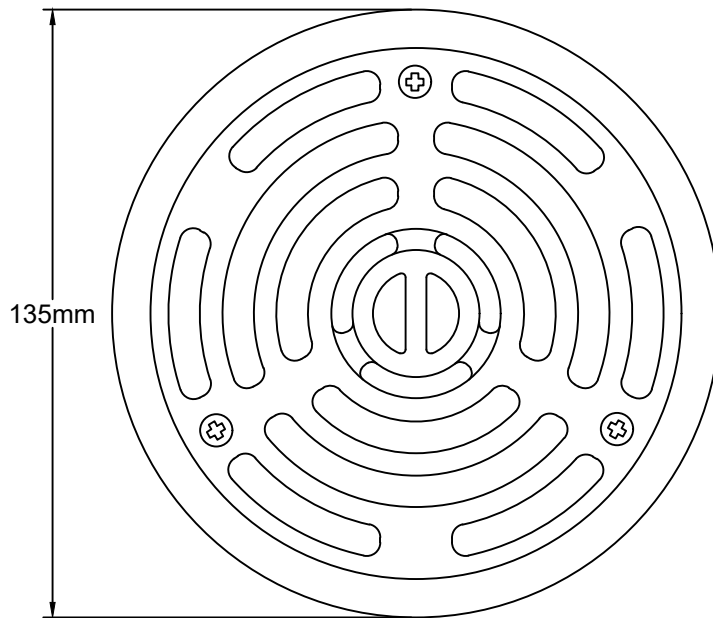
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 100mm Push-in Sheet Vinyl Floor Waste (with 1.25" socket for portable bath outlet)

Specification codes:

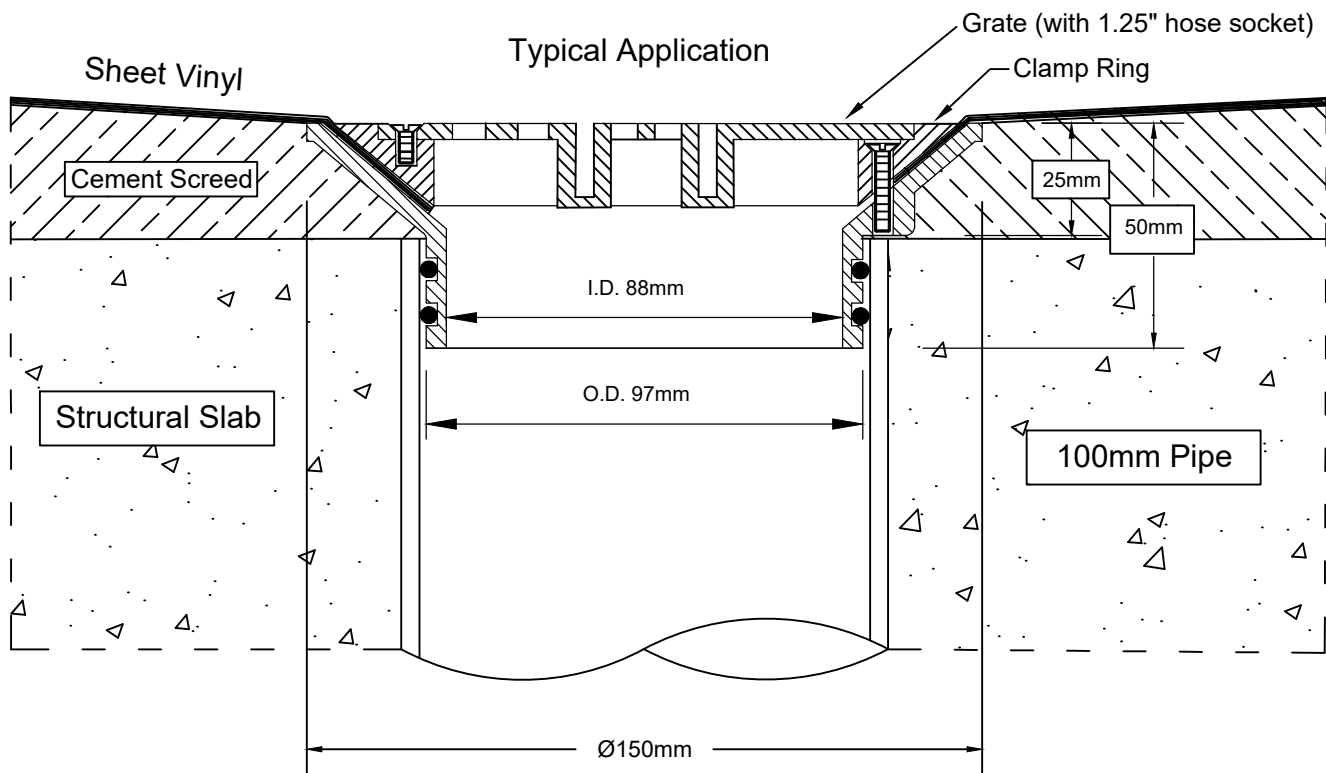
V100SVA-HP (ABS body, polished 316 SS ring & grate)

V100SSA6-HP (polished 316 SS ring & grate, drain body 304SS)



- Push-in floor waste assembly for sheet vinyl flooring.
- Grate includes a hose pipe socket suitable for 1.25" i.d. hose, to enable direct connection into floor grate.
- Ring & grate available in polished 316SS only. Drain body available in ABS plastic or 304SS.
- O-rings adapt spigot to 100mm PVC, copper, HDPE and CI pipe.

⊗ — Tamper-proof screws optional



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 100mm Retro-fit Puddle Flange with slip-in Low Profile Vinyl Floor Waste

Specification codes:

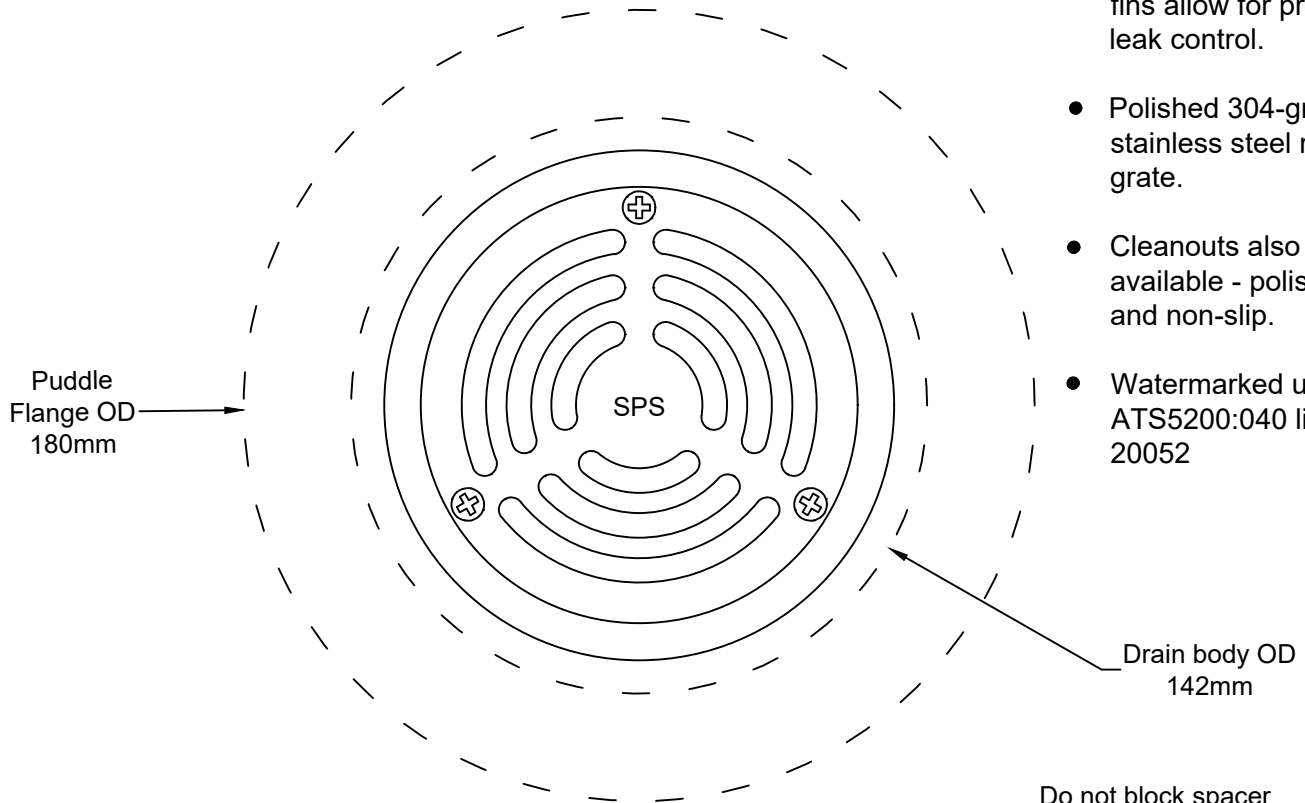
Floor waste: LG87SVAP (ABS body, 304SS top)

Cleanout (polished) LG87SVPAP (ABS body, 304SS top)

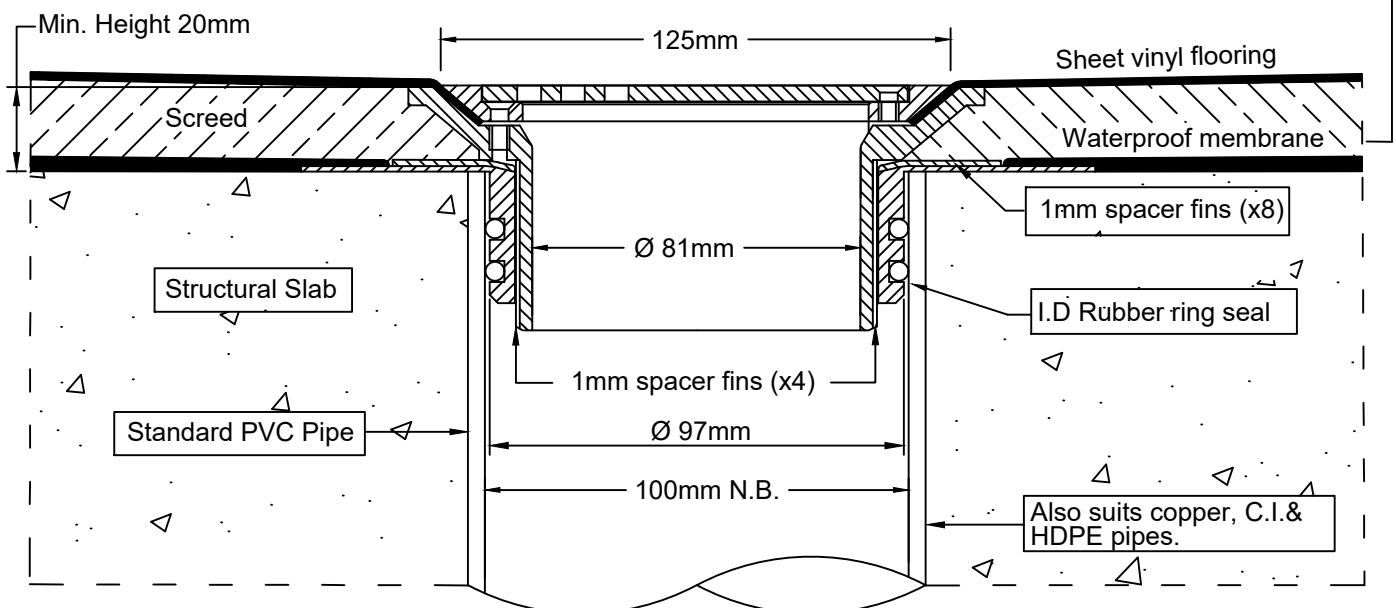
Cleanout (non-slip) LG87SVPNAP (ABS body, 304SS top)

Includes PF100 puddle flange

- Retro-fit puddle flange with ultra-thin face.
- Low profile vinyl floor waste slips inside I.D. of flange. 1mm spacer fins allow for proper leak control.
- Polished 304-grade stainless steel ring and grate.
- Cleanouts also available - polished and non-slip.
- Watermarked under ATS5200:040 lic. no. 20052



Typical Application



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SPS 100mm Extra Compact Push-in Vinyl Floor Waste/Cleanout with Uni-Fin

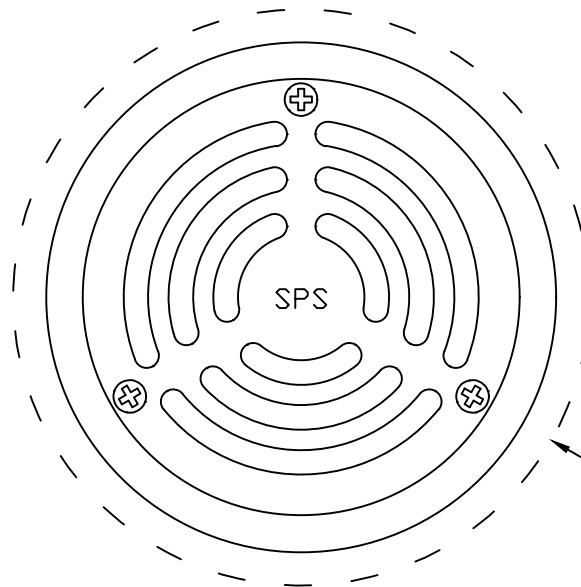
Specification codes:

Floor waste: LG87SVAF (ABS body, 304SS top)

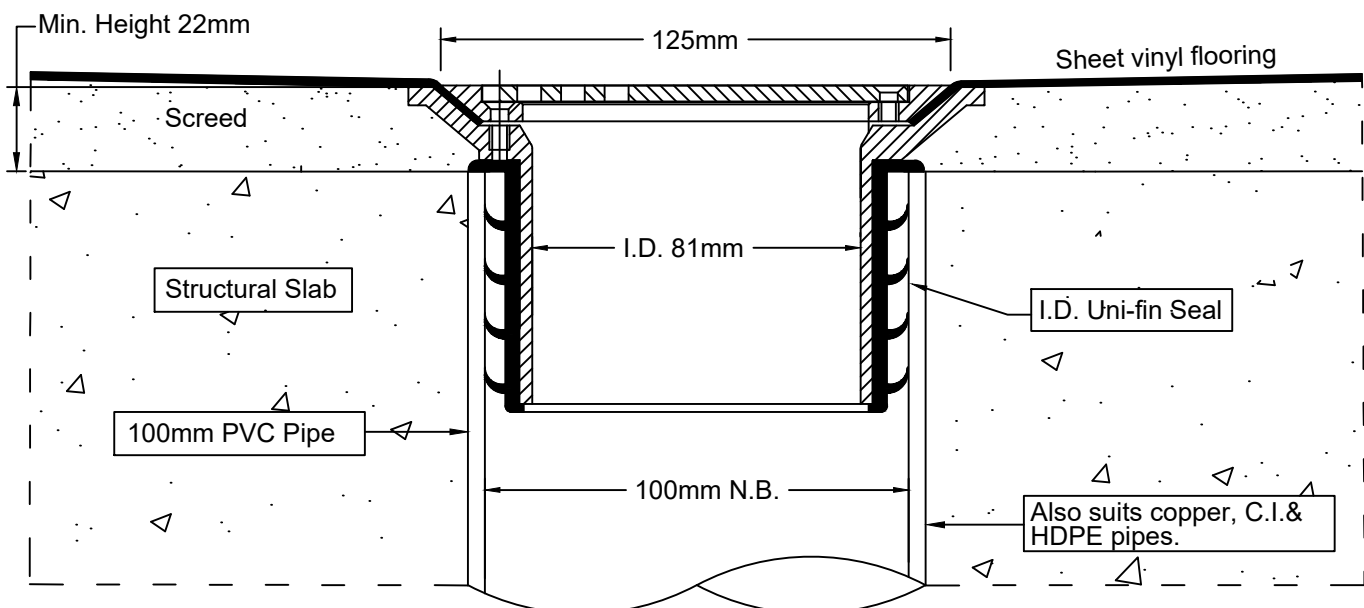
Cleanout (polished) LG87SVPF (ABS body, 304SS top)

Cleanout (non-slip) LG87SVPNF (ABS body, 304SS top)

- Lo-profile vinyl floor waste slips inside 100mm PVC, HDPE and copper with the new Uni-fin adapter.
- Polished 304-grade stainless steel ring and grate, ABS plastic lower body
- Cleanout tops also available - polished or non-slip 304SS/



Typical Application



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Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 100mm Ultra Compact Push-in Vinyl Floor Waste/Cleanout

Specification codes:

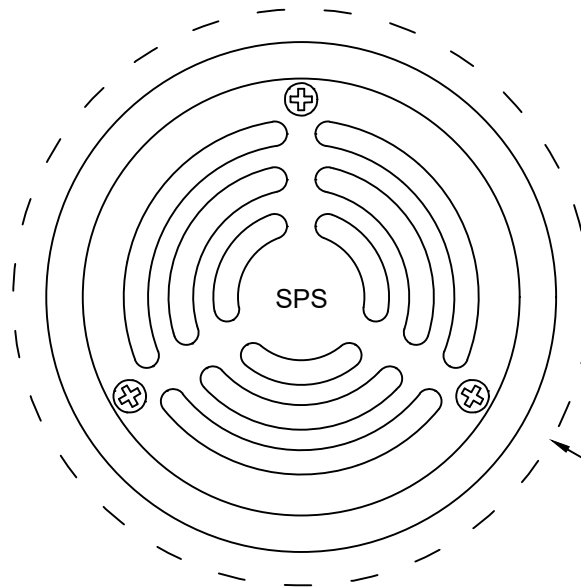
Floor waste: LG810SVA (ABS body, 304SS top)

Cleanout (polished) LG810SPA (ABS body, 304SS top)

Cleanout (non-slip) LG810SPNA (ABS body, 304SS top)

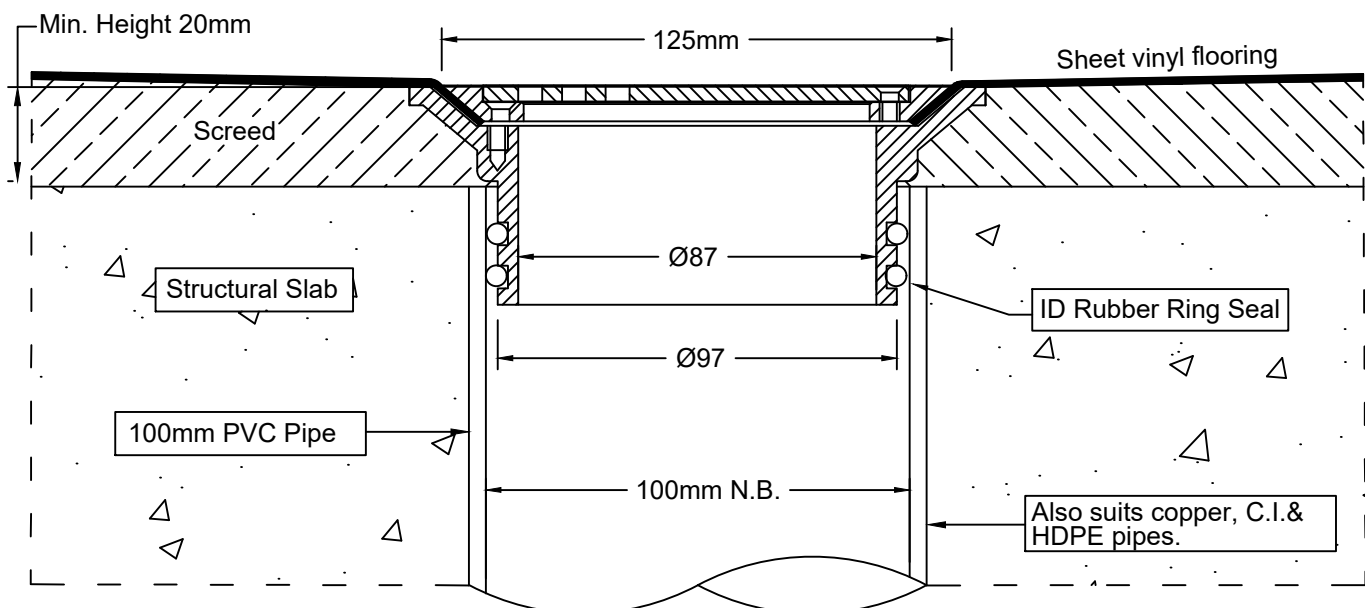
- Lo-profile vinyl floor waste slips inside 100mm PVC, HDPE and copper with appropriate o-rings.
- Polished 304-grade stainless steel ring and grate, ABS plastic lower body
- Cleanout tops also available - in polished or non-slip 304SS.

Ultra-compact:
Vinyl Clamp
OD 125mm



Drain body OD
142mm

Typical Application



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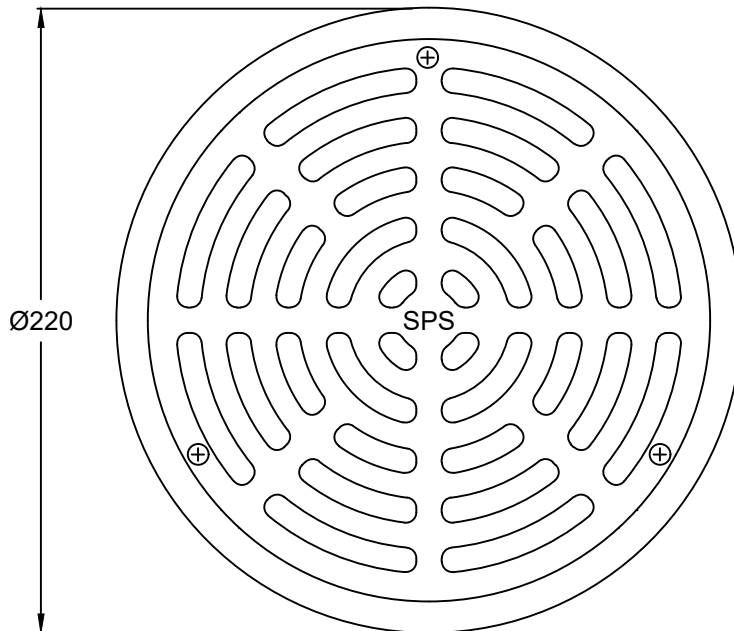
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 220mm Sheet Vinyl Floor Waste (150mm Push-in)

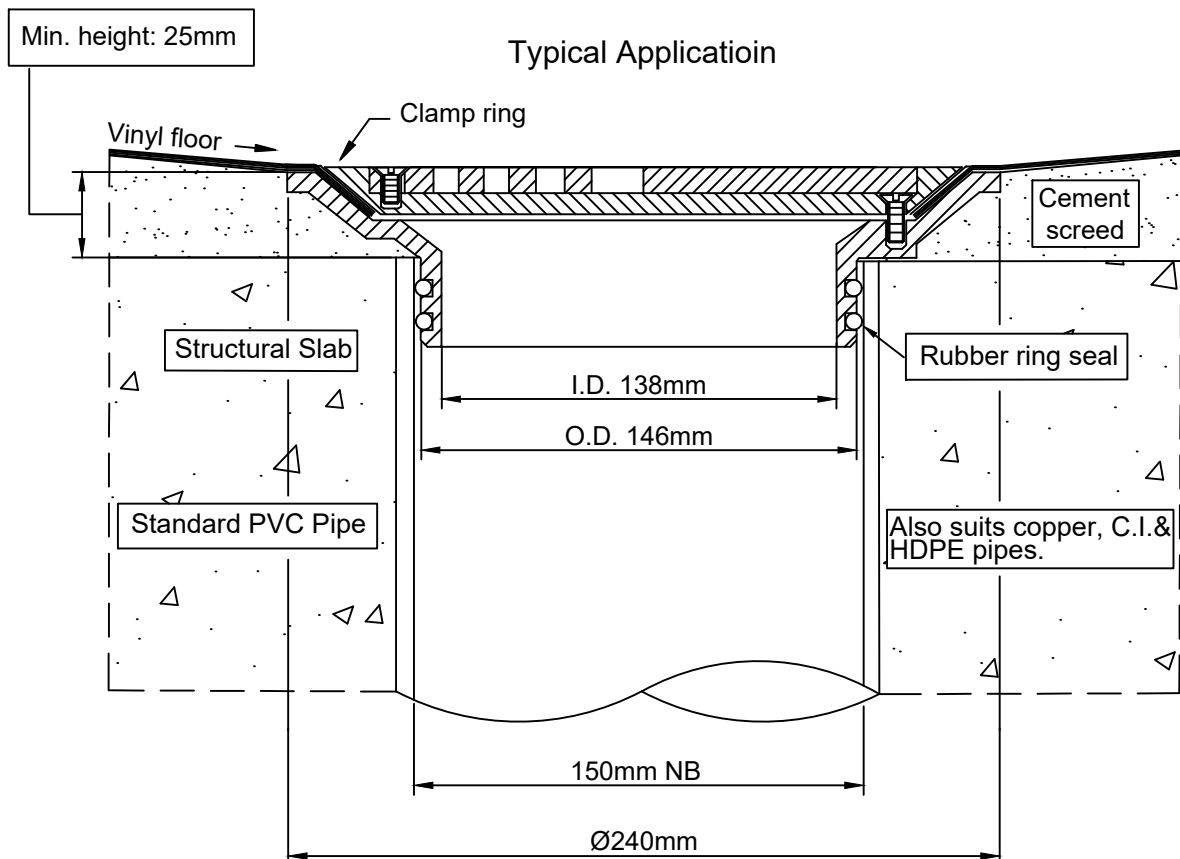
Specification codes:

LG150SSA4 (All-304 stainless steel)

LG150SSA6 (All-316 stainless steel)



- Push-in floor waste assembly for sheet vinyl.
- Drain body available in 304 stainless as standard or 316 stainless steel as non-stock option.
- Ring & Grate available in polished 304 and 316 stainless steel.



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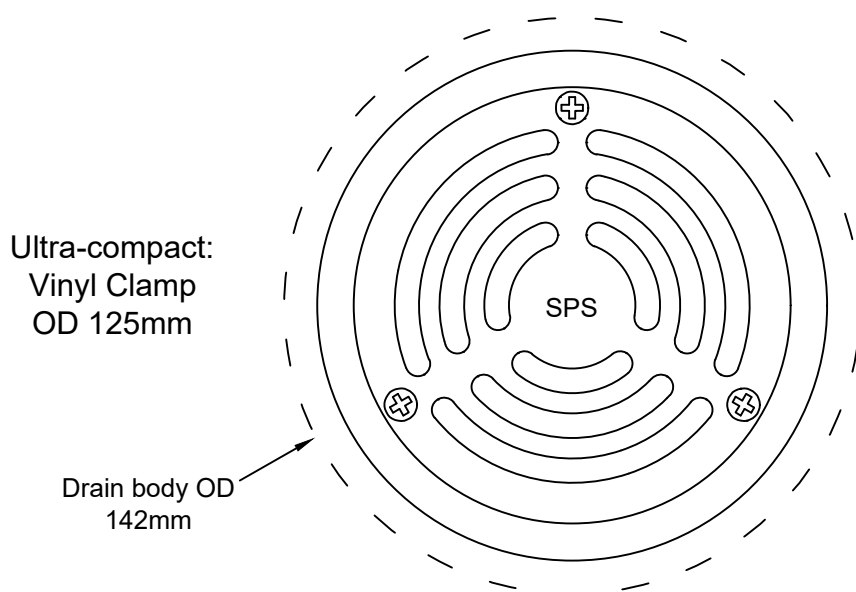
SPS 100mm Ultra Compact Vari-Level Sheet Vinyl Floor Drain - Ø125mm Inlet

LG810S4/C (304 SS vinyl floor waste, CI lower body)

LG810S6/C (316 SS top, 304 SS drain body, CI lower body)

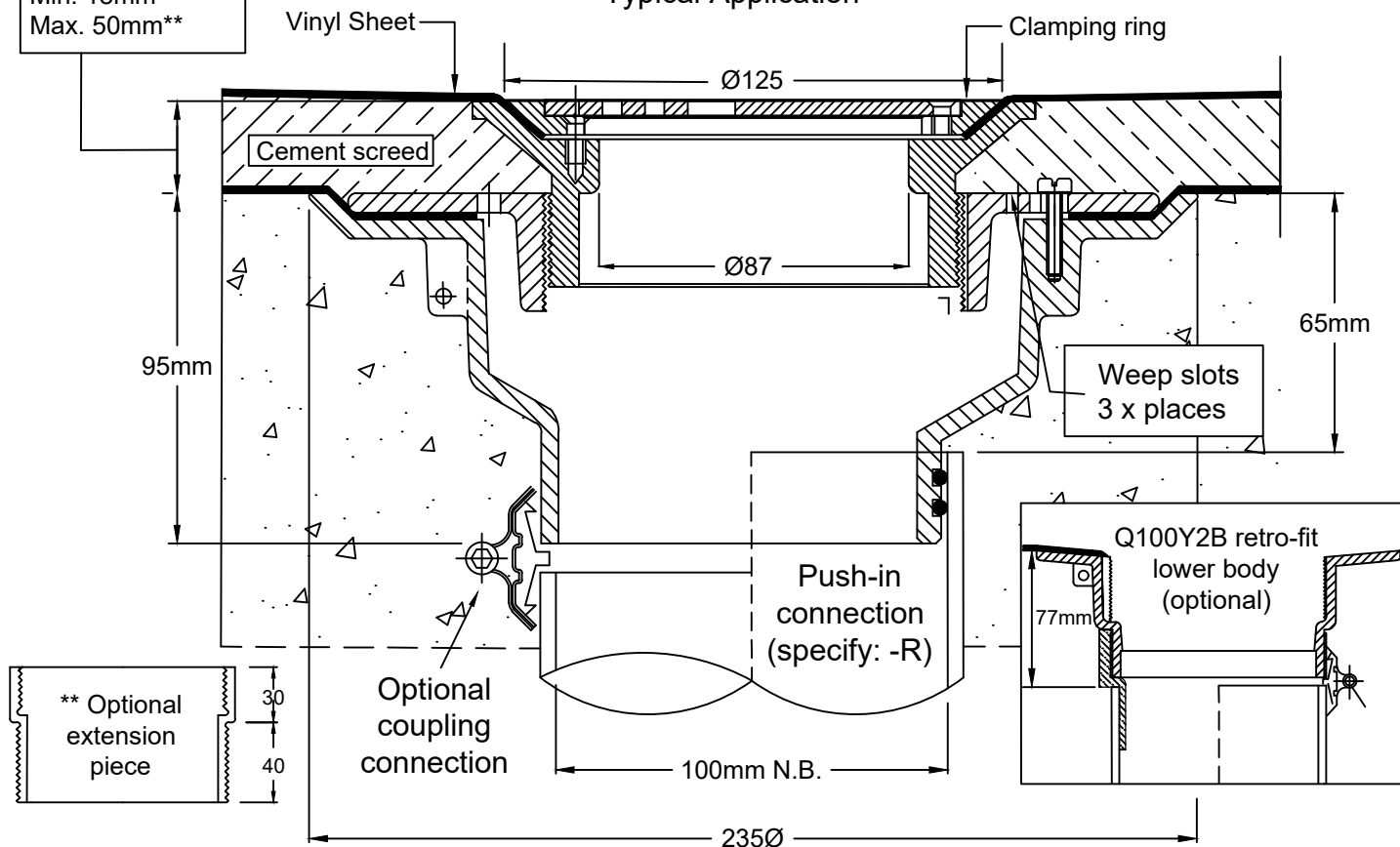
* for retro-fit body use "/Q" instead of "/C"

- Height-adjustable vinyl floor waste assembly.
- Vinyl floor drain body available in 304 stainless steel; 316 stainless steel available by special order.
- Ring & grate available in polished 304 stainless steel; 316 stainless steel available by special order.
- C100A CI "deluxe" lower body with reversible clamping collar ("I/C").
- Q100Y optional CI retro fit lower body fits inside 150mmØ core hole ("I/Q").



Height adjustment.
Min. 18mm
Max. 50mm**

Typical Application



Speciality Plumbing Supplies Pty Ltd

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SPS 100mm Vari-Level Sheet Vinyl Floor Drain

Ø155mm Inlet

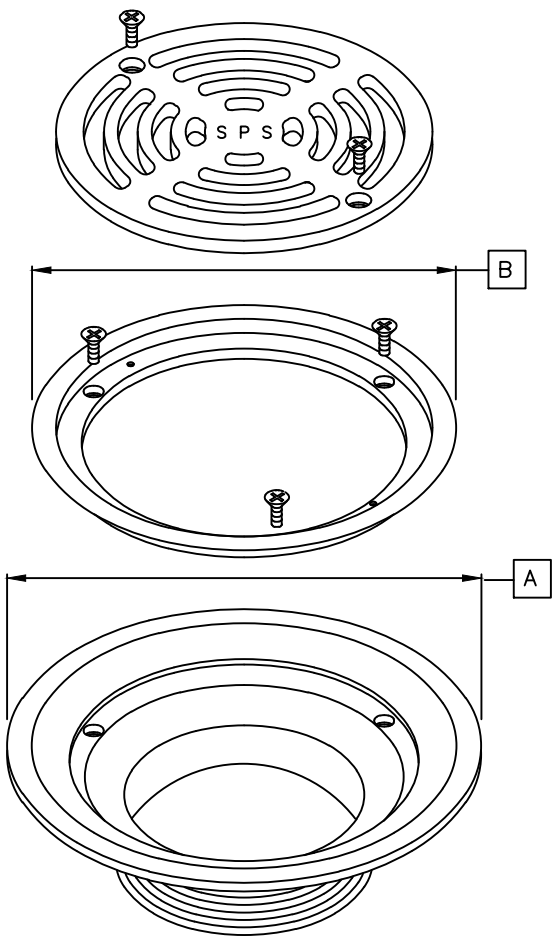
Specification codes:

- LG100S4/C (304 SS vinyl floor waste, CI lower body)
- LG100S6/C (316 SS top, 304 SS drain body, CI lower body)
- * for retro-fit body use "/Q" instead of "/C"

- Height-adjustable vinyl floor waste assembly.
- Vinyl floor drain body available in 304 stainless steel; 316 stainless steel available by special order.
- Ring & grate available in polished 304 stainless steel; 316 stainless steel available by special order.
- C100A CI "deluxe" lower body with reversible clamping collar ("/C").
- Q100Y optional CI retro fit lower body fits inside 150mmØ core hole ("/Q").

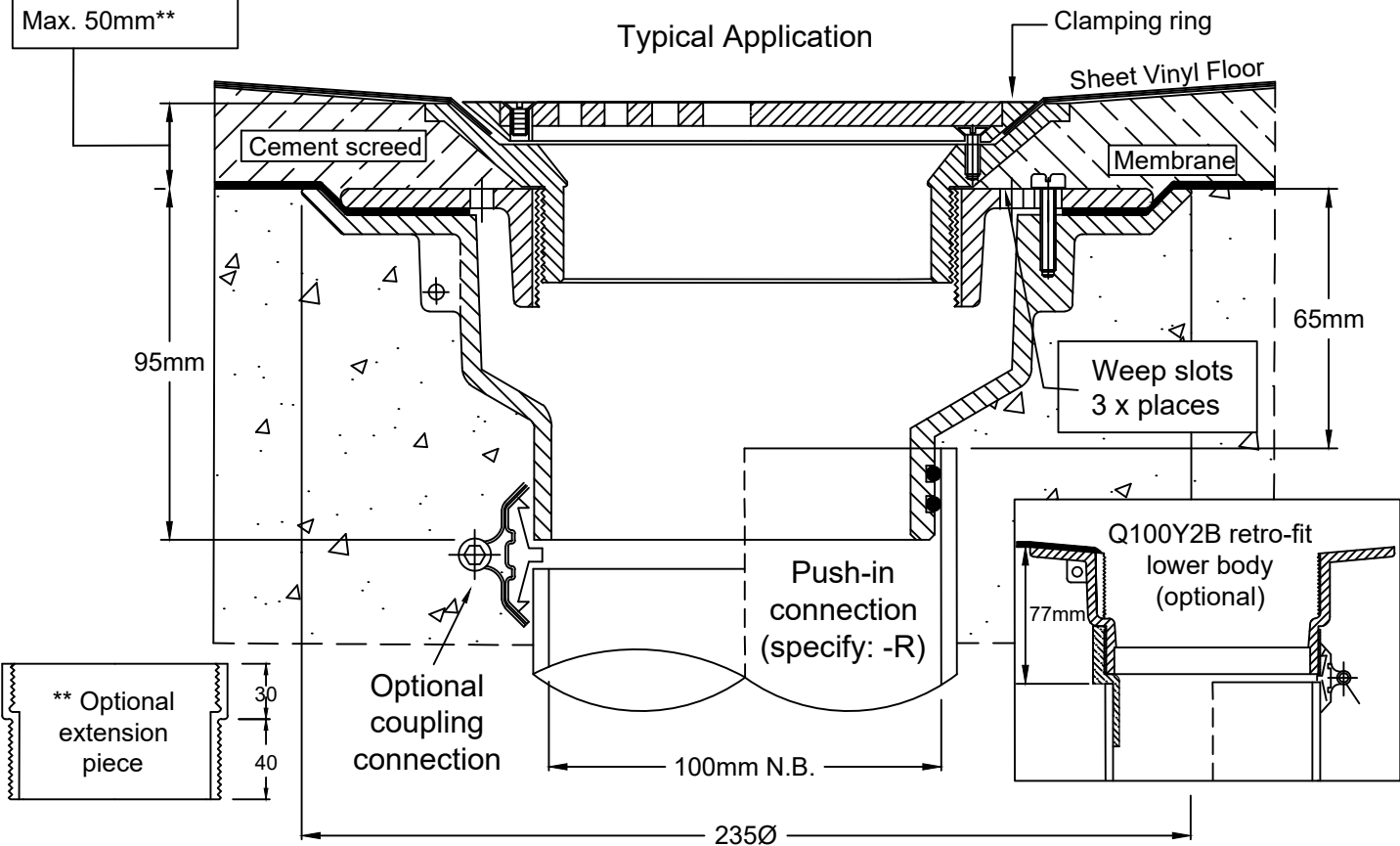
DIMENSIONAL DATA

NOMINAL OUTLET DIAMETER	DIMENSION IN MILLIMETRES	
	ØA	ØB
100	175	155



Height adjustment:
Min. 25mm
Max. 50mm**

Typical Application



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Vari-Level Sheet Vinyl Floor Drain

Specification codes:

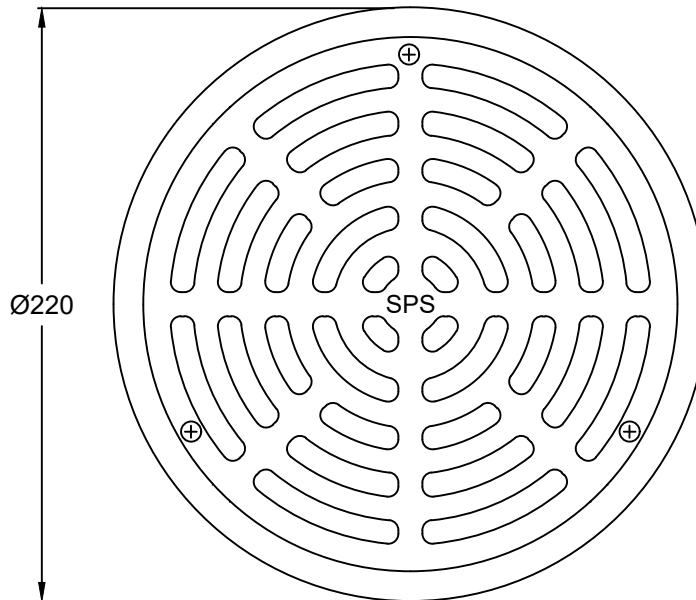
LG150S4/C150 (polished 304SS ring/grate, 304SS drain body)

LG150S/C150 (satin 316SS grate, 304SS drain body)

Includes 150mm Truflo CI cast-in lower body

For a 100mm outlet, use suffix "C100" not "C150"

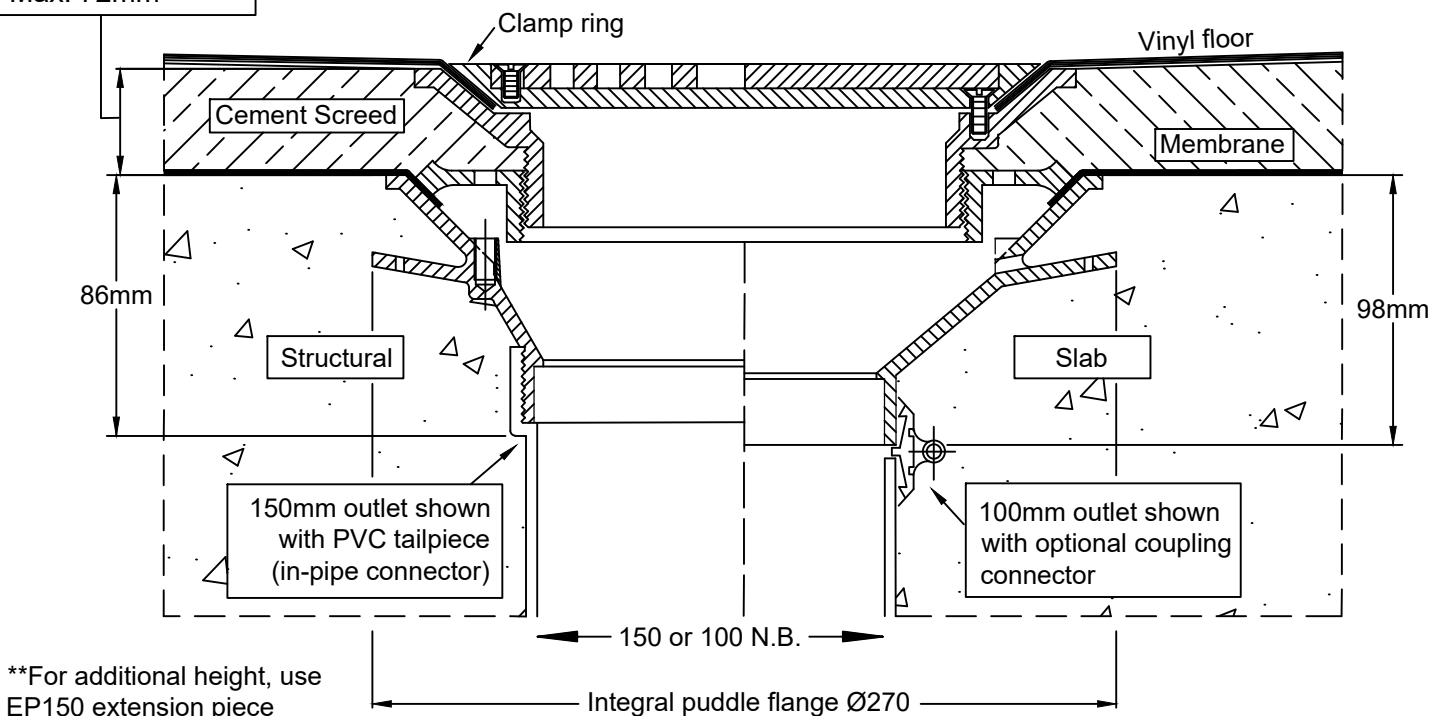
Ø220mm Inlet
150mm Outlet
or 100mm Outlet



- Height-adjustable vinyl floor waste assembly.
- Drain body available in 304 stainless steel.
- Ring & Grate available in polished 304 stainless steel. Satin 316 stainless steel available by special order.
- 150 or 100mm "Truflo" CI lower body with 150mm clamp collar.

Height adjustment:
Min. 30mm
Max. 72mm**

Typical Application



Speciality Plumbing Supplies Pty Ltd

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155mm Round Sheet Vinyl Floor Drain Vari-Level Side-Outlet Lower Body

Specification codes:

LG100S4/C109 (polished 304 SS floor waste, CI lower body)

LG100S6/C109 (satin 316 SS floor waste, CI lower body)

For 80mm outlet, use suffix "C89" not "C109"

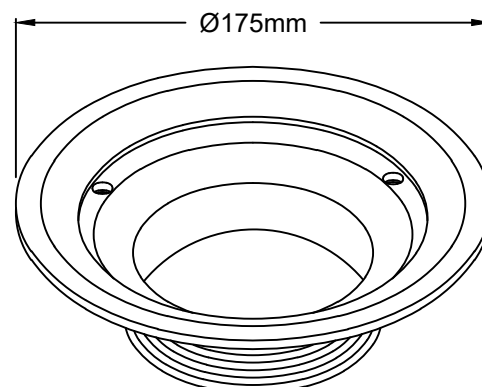
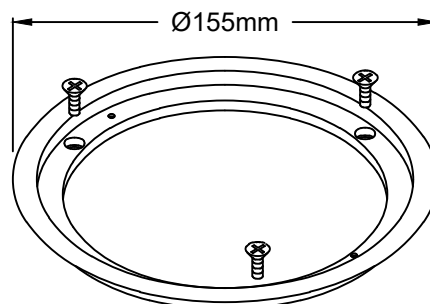
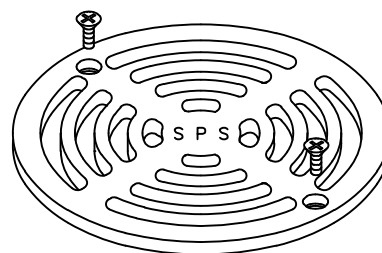
- Height-adjustable, side outlet vinyl floor waste assembly.
- Drain body available in 304 stainless steel. 316 stainless steel available by special order.
- Grate & ring available in polished 304. Satin 316 stainless steel available by special order.
- CI Truflor 90° lower body with 100mm reversible clamp collar & i.d. rubber ring for 100mm PVC, HDPE & copper pipe; or 80mm PVC.

DIMENSIONAL DATA

N.B.	A	B	C	D	E
80	260	240	62	115	28
100	260	240	83	140	28

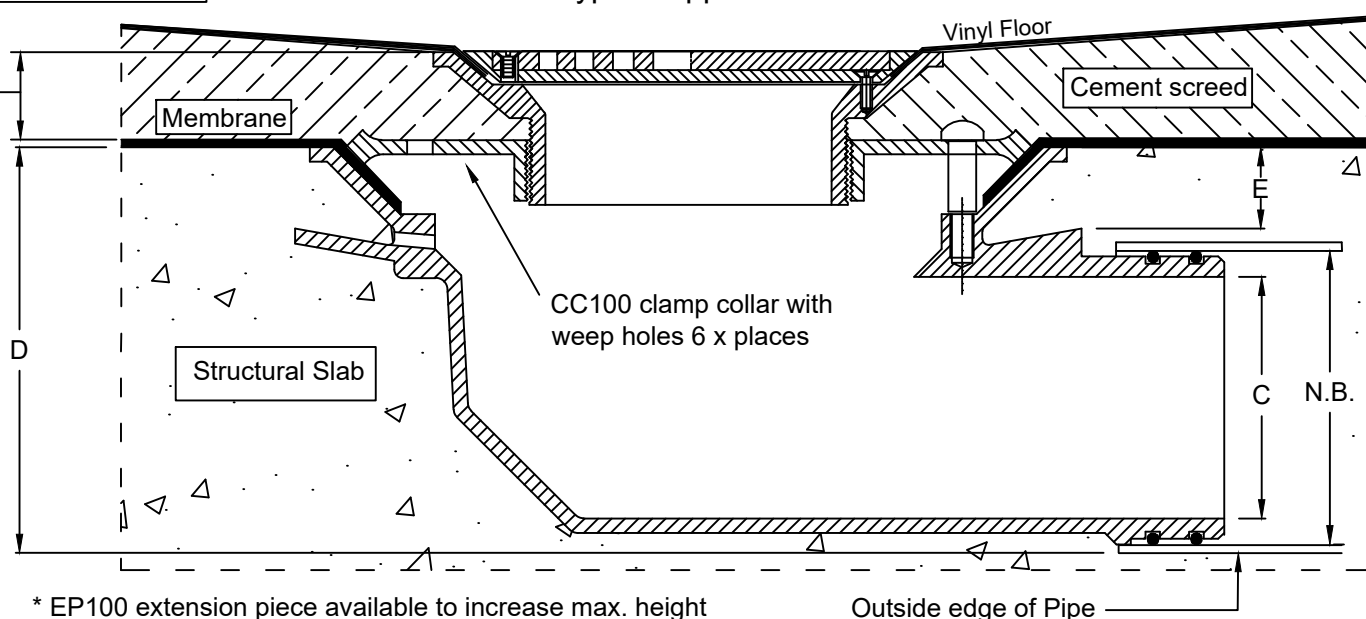
100mm outlet

80mm outlet



Height adjustment:
Min. 30mm
Max. 50mm *

Typical Application



* EP100 extension piece available to increase max. height

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Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

220mm Round Sheet Vinyl Floor Drain Vari-Level Side-Outlet Lower Body

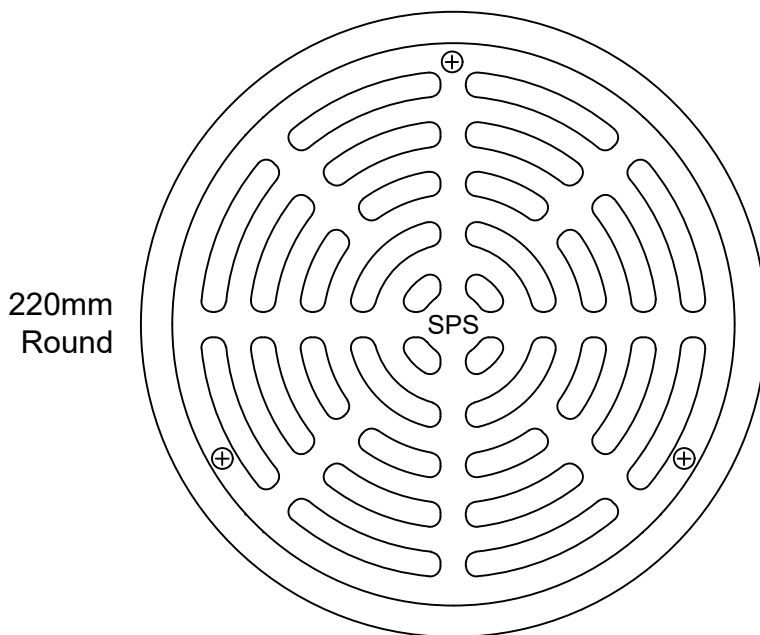
Specification codes:

LG150S4/C109 (polished 304 SS grate, CI lower body)

LG150S6/C109 (satin 316 SS grate, CI lower body) *special order*

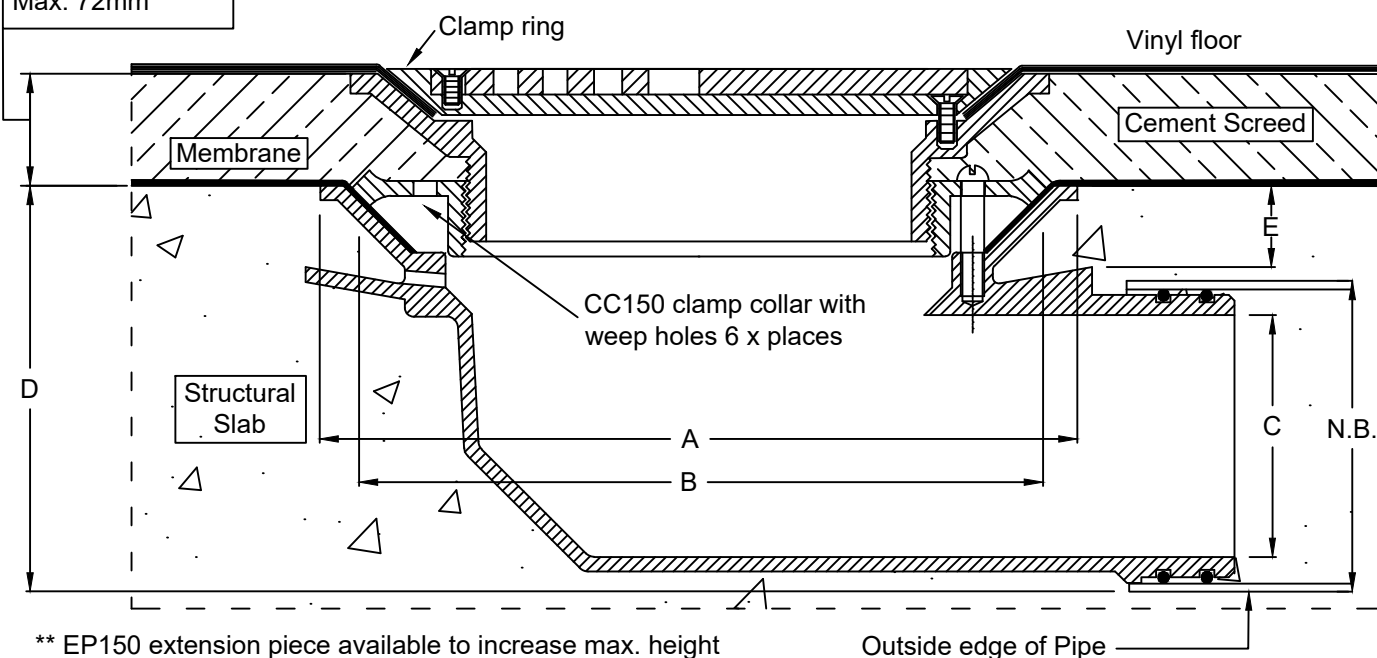
Side outlet - "C109" = 100mm; "C89" = 80mm

100mm outlet
80mm outlet



- Height-adjustable vinyl floor waste assembly.
- Drain body available in 304 stainless steel. 316 stainless steel available by special order.
- Grate & ring available in polished 304 stainless steel. Satin 316 stainless steel available by special order.
- CI Truflo 90° lower body with 150mm reversible clamp collar & i.d. rubber ring for 100mm PVC, HDPE & copper pipe; or 80mm PVC.

Height adjustment:
Min. 30mm
Max. 72mm**



N.B.	A	B	C	D*	E
80	260	240	62	115	28
100	260	240	83	140	28

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SECTION 6

Basket Trap Floor Wastes

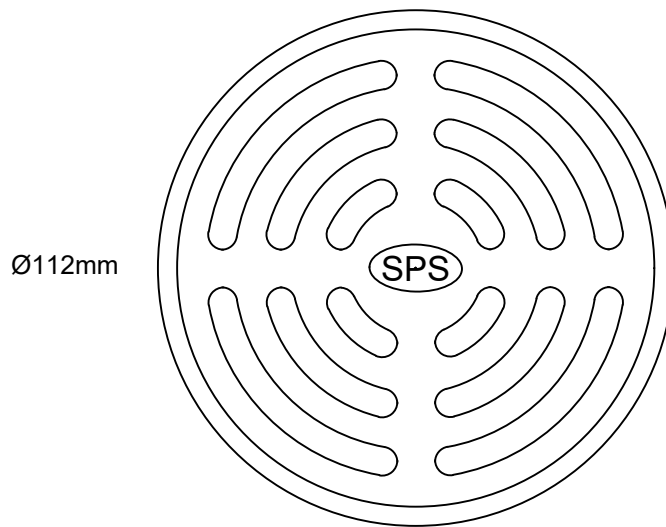
		<u>To suit pipe size (mm):</u>
6.01	100mm Compact - Drop-in	100
6.02	130mm Round - Push-in	100
6.03	135mm Vinyl - Push-in	100
6.04	150mm Round - Push-in	100
6.05	150mm Square - Push-in	100
6.06	200mm Square - Push-in	100
6.07	200mm Square - Push-in 150	150
6.08	225mm Round - Push-in	100
6.09	225mm Round - Push-in 150	150
6.10	220mm Vinyl - Push-in 150	150
6.11	150mm Round - Vari-level - Shallow Body	100
6.12	150mm Square - Vari-level - Shallow Body	100
6.13	155mm Vinyl - Vari-level - Shallow Body	100
6.14	200mm Square - Vari-level - Shallow Body	100
6.15	225mm Round - Vari-level - Shallow Body	100
6.16	200mm Square - Vari-level - Deep Body	100
6.17	225mm Round - Vari-level - Deep Body	100
6.18	225mm Square - Vari-level - Deep Body	100
6.19	300mm Square - Vari-level - Deep Body	100
6.20	220mm Vinyl - Vari-level - Deep Body	100
6.21	350mm Square - Special Custom-made	100
6.22	Coles-Spec. Basket Trap Floor Trough	100
6.23	150mm Square - Push-in - "Smart Secondary Strainer"	100

SPS 100mm Compact Basket Trap Assembly (Drop-in)

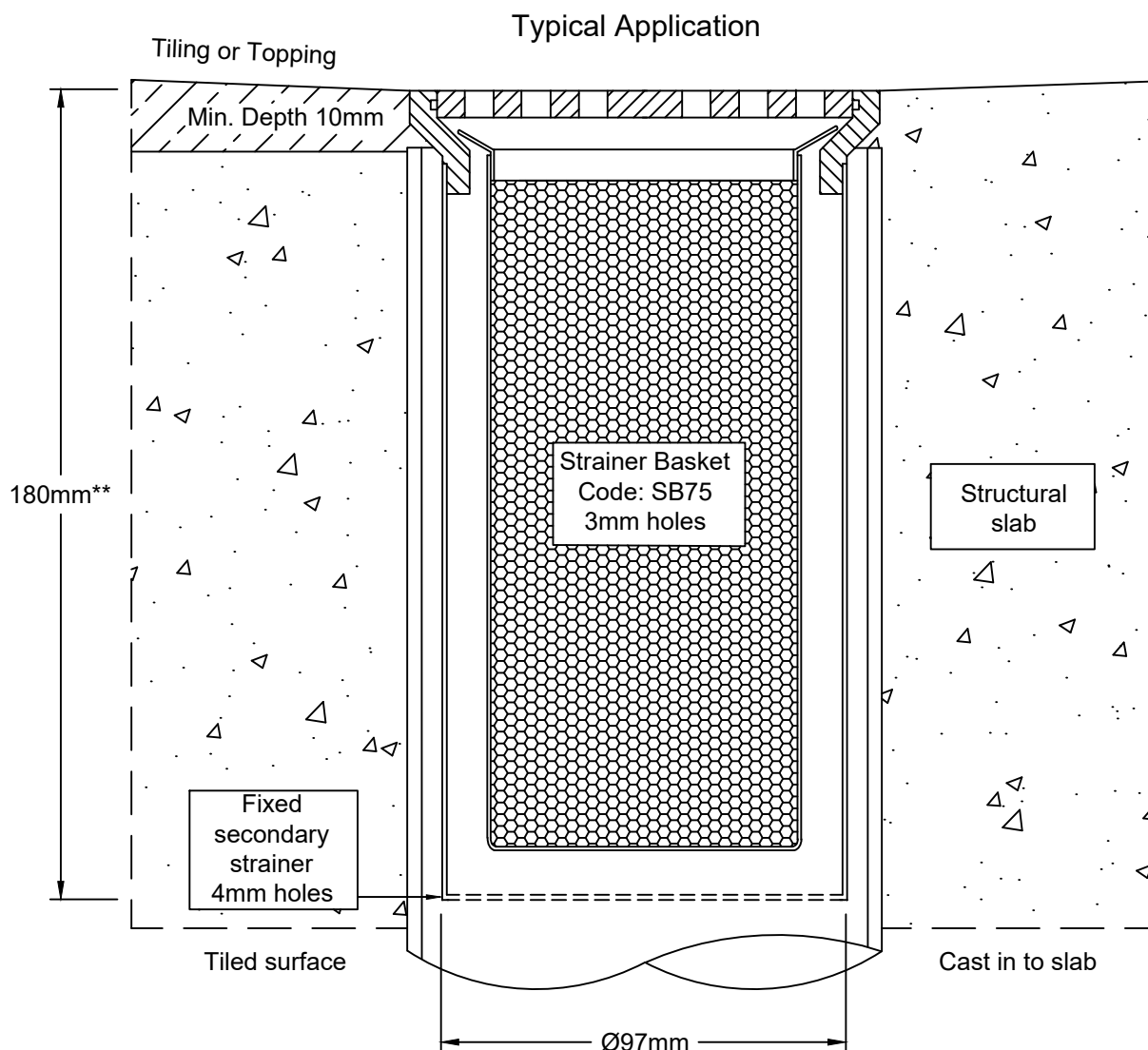
Specification code:

BA100S (304 stainless steel assembly)

BA100SL (Shallow version, 100mm deep**)



- Lift-out grate with mini-bayonet fitting.
- Entire assembly in 304 stainless steel.
- Includes removable basket and fixed secondary strainer.
- Fits inside 100mm PVC, HDPE, CI and copper.
- May be installed into a leak control flange for waterproofed applications.



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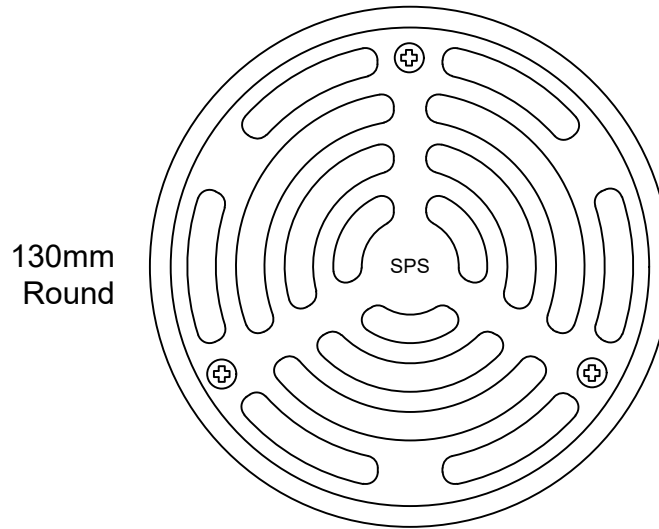
SPS 130mm Round Push-in Basket Trap

Specification code:

R130SR-BT (304 stainless steel)

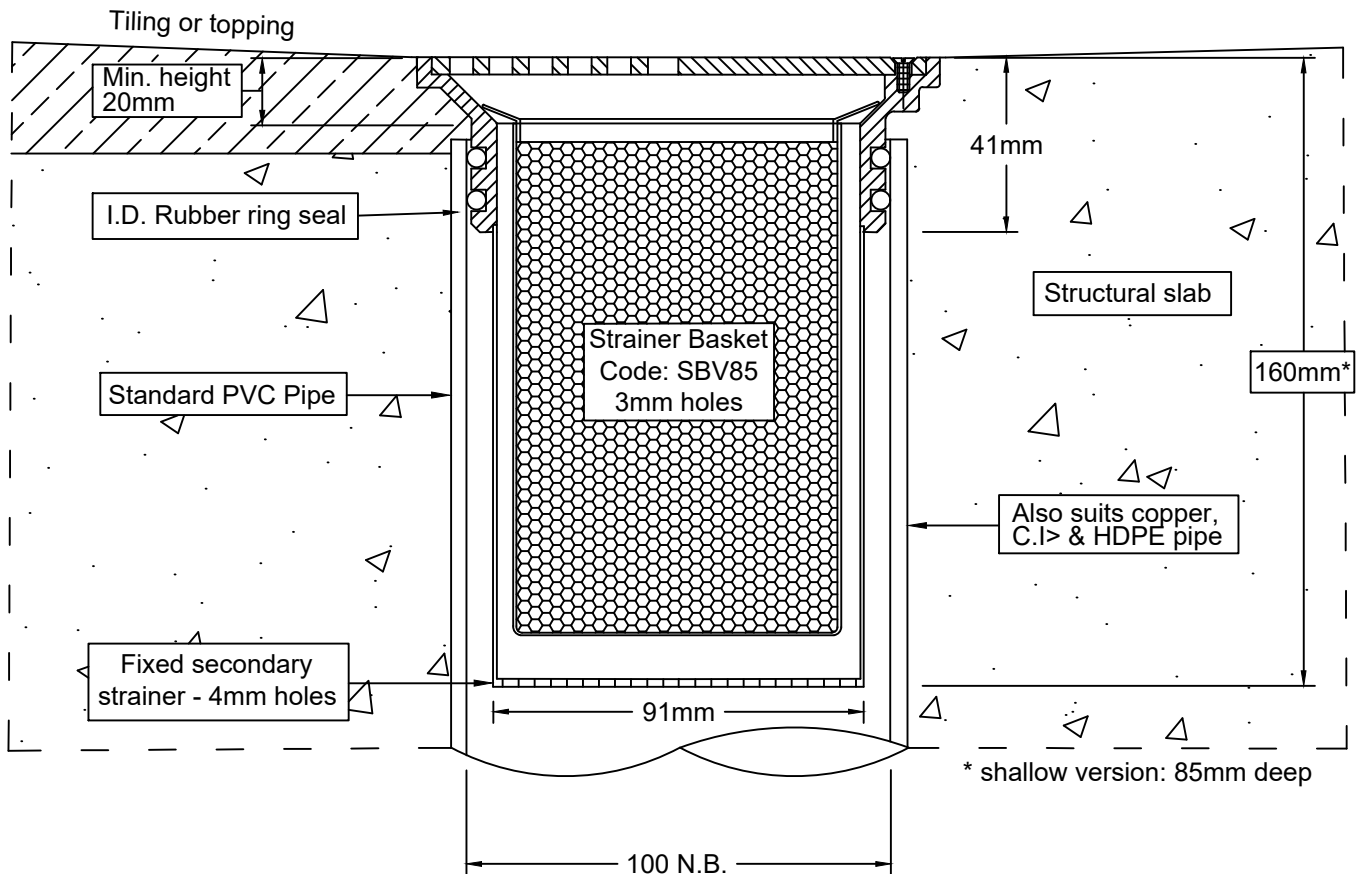
R130SR6-BT (316SS grate assembly) *special order*

Shallow version: use suffix -BTS *special order*



- Round grate in cast 304 stainless steel. Basket and strainer in 304 stainless steel sheet.
- Spigot fits inside 100mm PVC, copper, CI and HDPE.
- Includes stainless steel removable basket and fixed secondary strainer.
- Compatible with PVC leak control flanges for waterproofed applications.

Typical Application



Speciality Plumbing Supplies Pty Ltd

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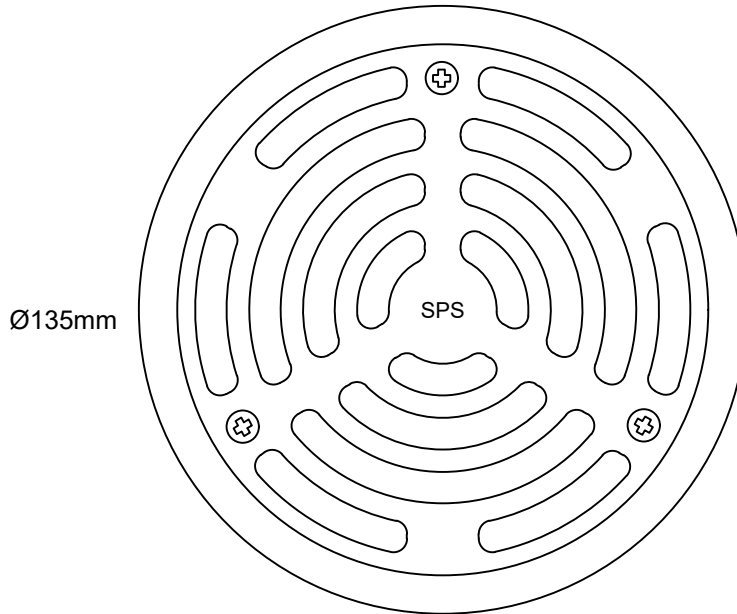
SPS 100mm Push-in Vinyl Floor Basket Trap

135mm Round Inlet

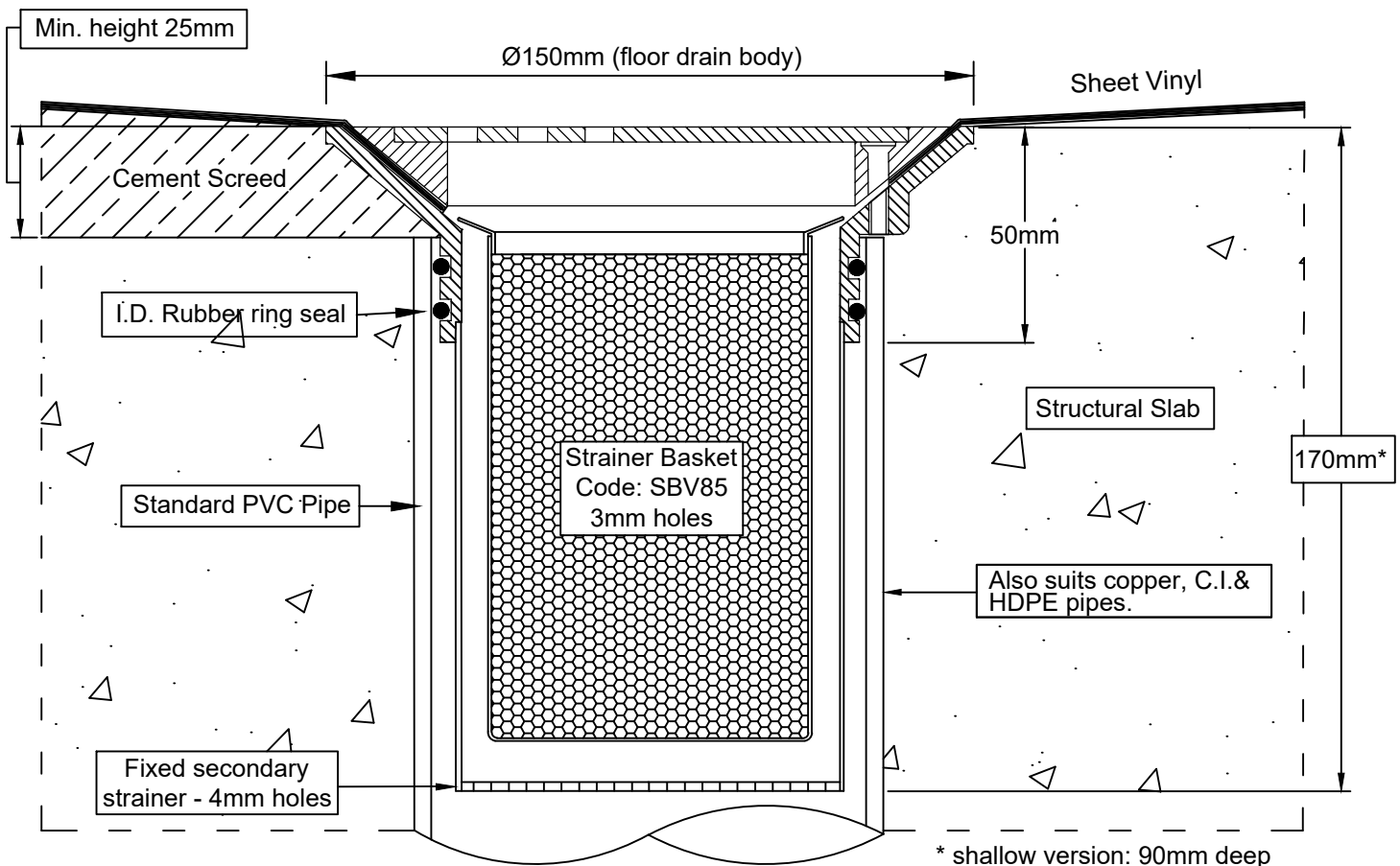
Specification code:

V100SSA-BT (304 stainless steel)

V100SSA-BTS (304SS shallow version *special order*)



- Push-in basket trap assembly for sheet vinyl flooring.
- Vinyl floor drain body available 304 stainless steel.
- Ring & grate available polished 304 (316 stainless steel *special order*).
- O-rings adapt outlet to 100mm PVC, copper, HDPE and CI pipe.



Speciality Plumbing Supplies Pty Ltd

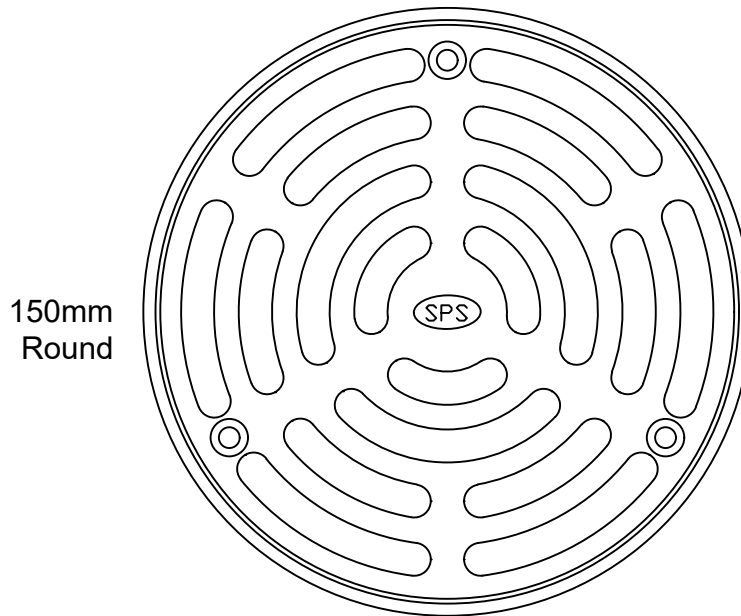
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Round Push-in Basket Trap for 100mm pipe

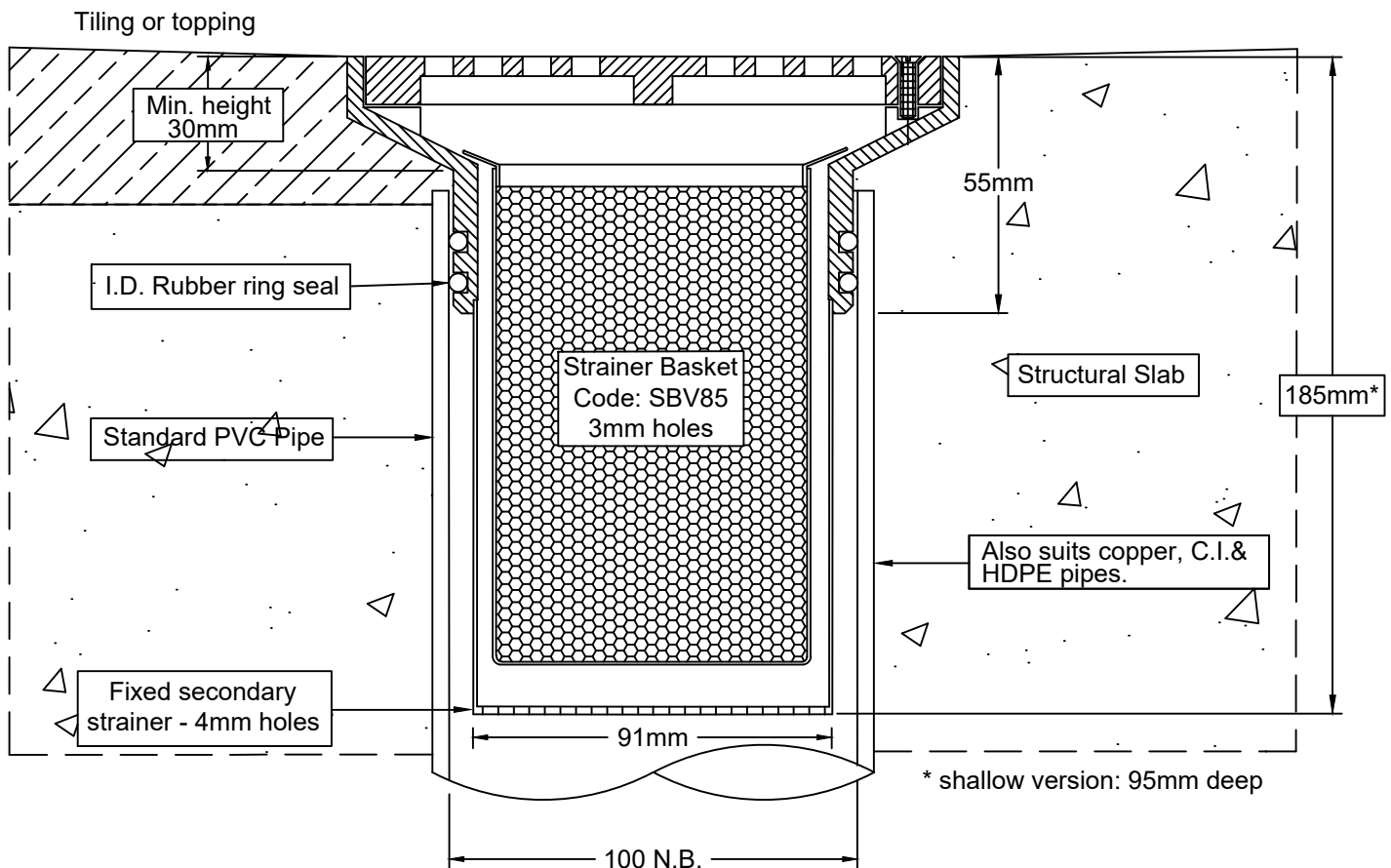
Specification code:

R150SR-BT (304 stainless steel grate)

R150SR-BTS (304SS shallow version) *special order*



- Push-in grate assembly in cast 304 stainless steel. 316 stainless steel available by special order.
- Spigot fits inside 100mm PVC, copper, CI and HDPE.
- Includes stainless steel strainer basket and fixed secondary strainer.
- Compatible with PVC leak control flanges for membraned applications.



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

6.04

SPS 150mm Square Push-in Basket Trap for 100mm pipe

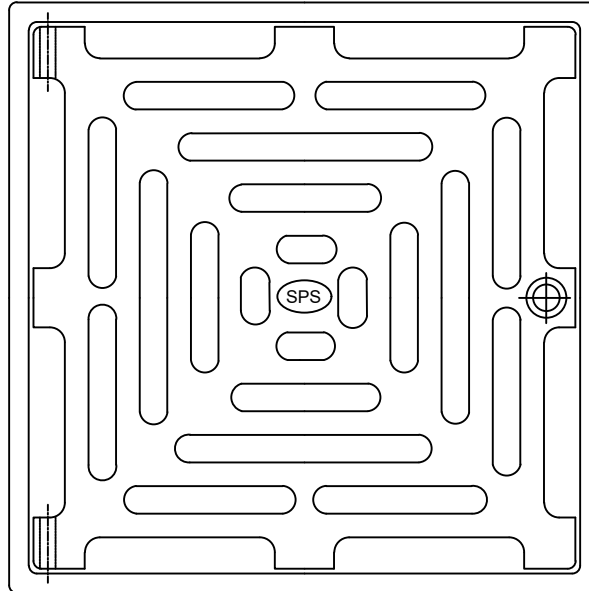
Specification code:

Q150SR-BT (All-304 stainless steel)

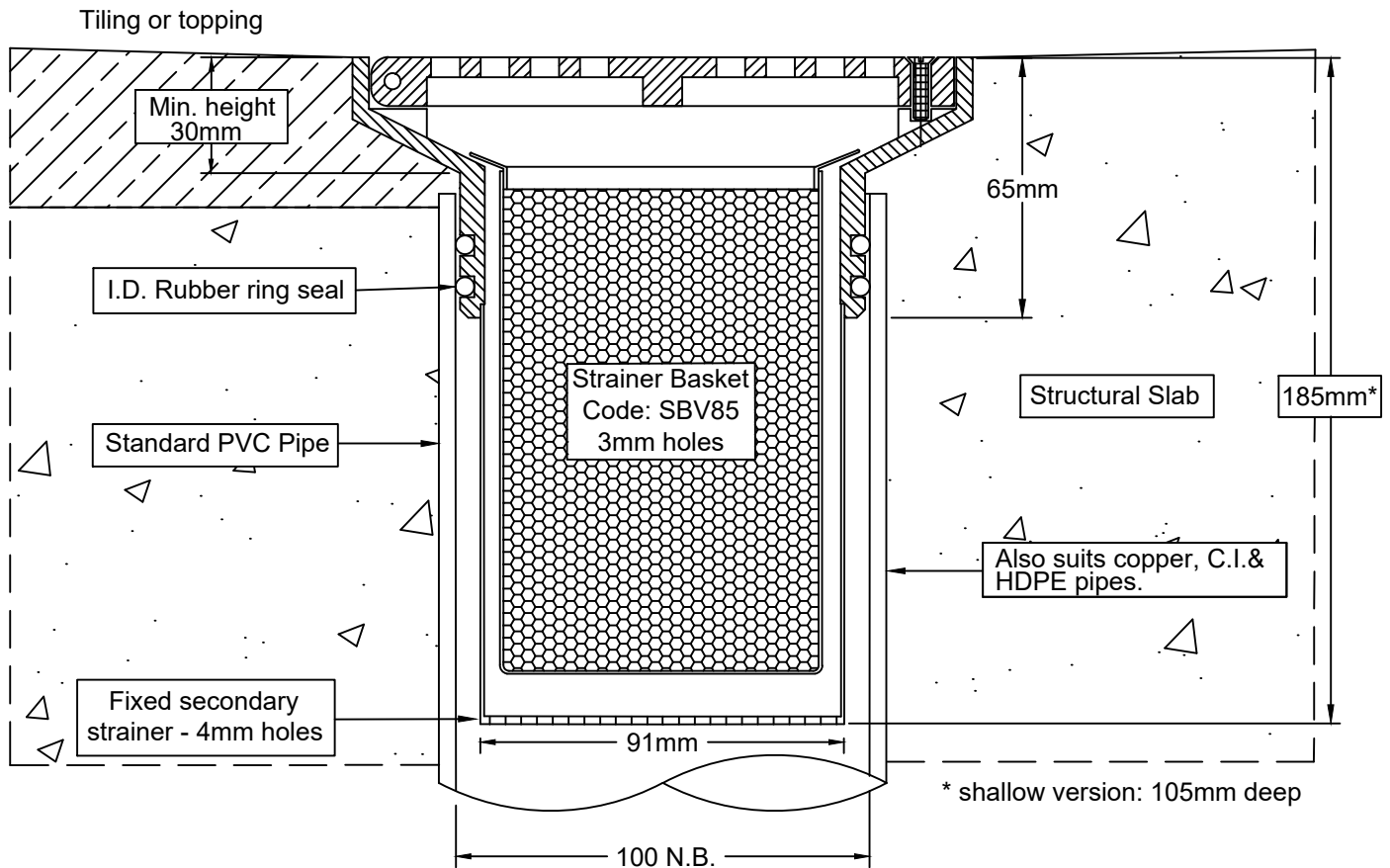
Q150SR6-BT (Grate assembly in 316SS)

Shallow version: use suffix -BTS *special order*

150mm
Square



- Push-in bucket trap assembly in 304 stainless steel. 316 stainless steel grate assembly is non-stock option.
- Outlet fits inside 100mm PVC, copper, CI and HDPE.
- Includes stainless steel removable basket and fixed secondary strainer.
- Compatible with PVC leak control flanges for membraned applications.



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Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 200mm Square Push-in Basket Trap

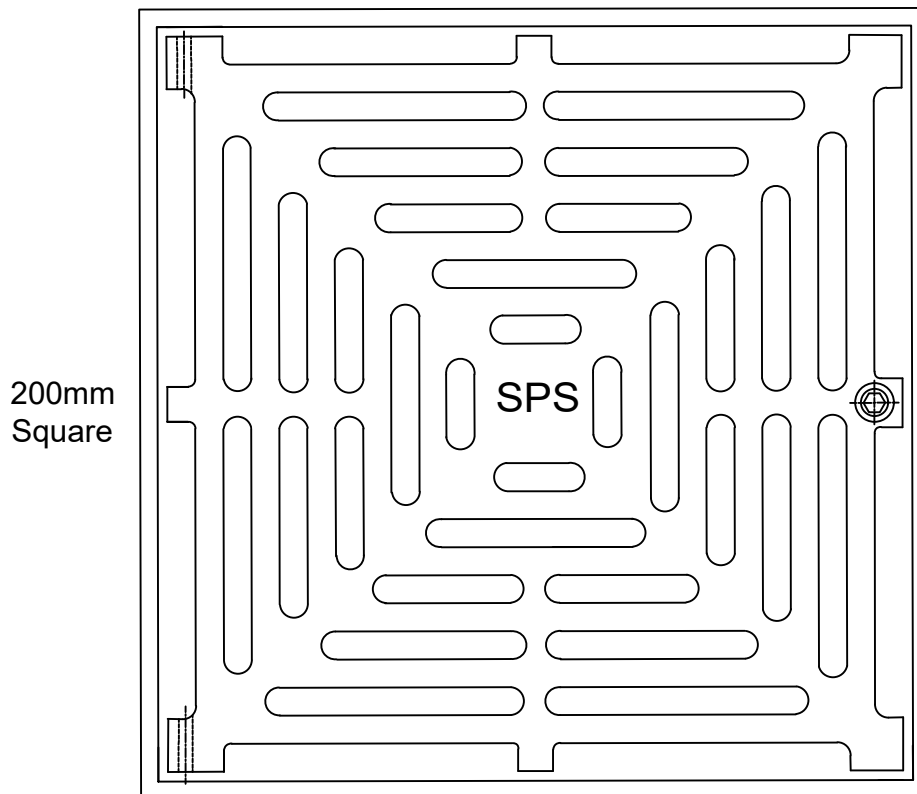
for 100mm pipe

Specification code:

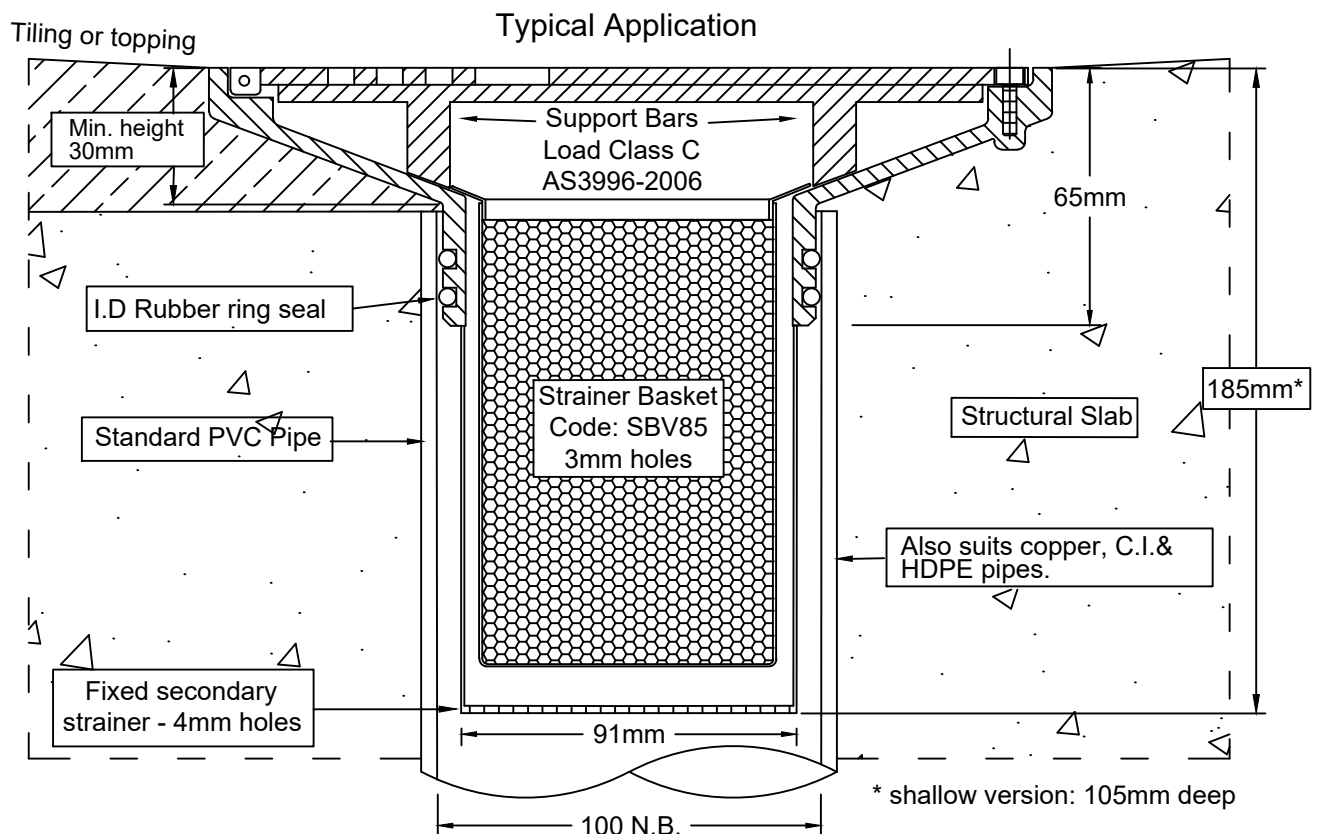
Q200SR1-BT (304 stainless steel)

Q200SR6-BT (grate assembly in heel-friendly 316SS)

Shallow version: use suffix -BTS *special order*



- Push-in grate assembly in 304 stainless steel. 316 stainless steel grate assembly available by special order.
- Outlet fits inside 100mm PVC, copper, CI and HDPE.
- Includes stainless steel removable basket and fixed secondary strainer.
- Compatible with PVC leak control flanges for membraned applications.
- Load Class C per AS3996-2006



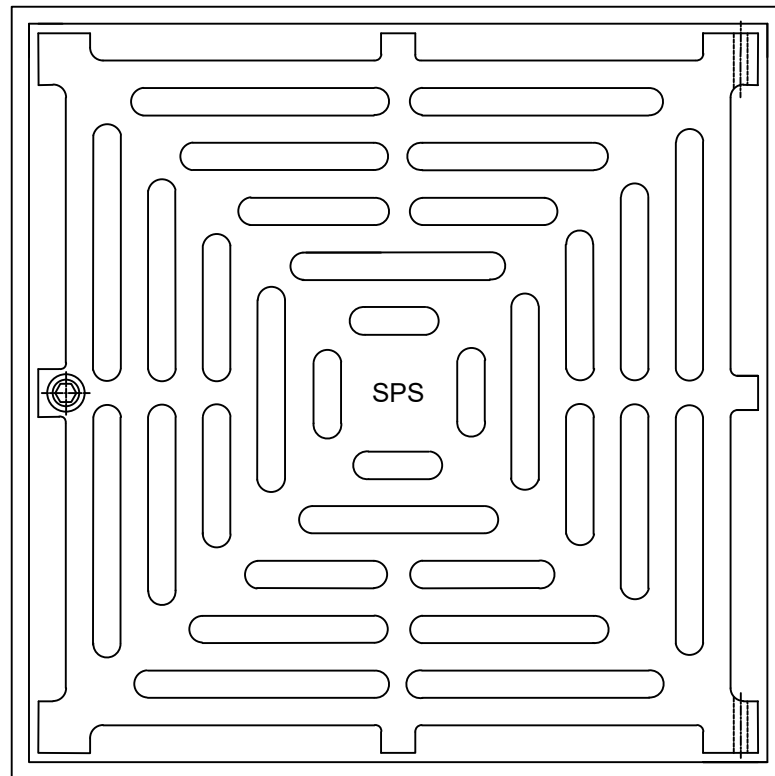
Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 200mm Square Push-in Basket Trap for 150mm pipe

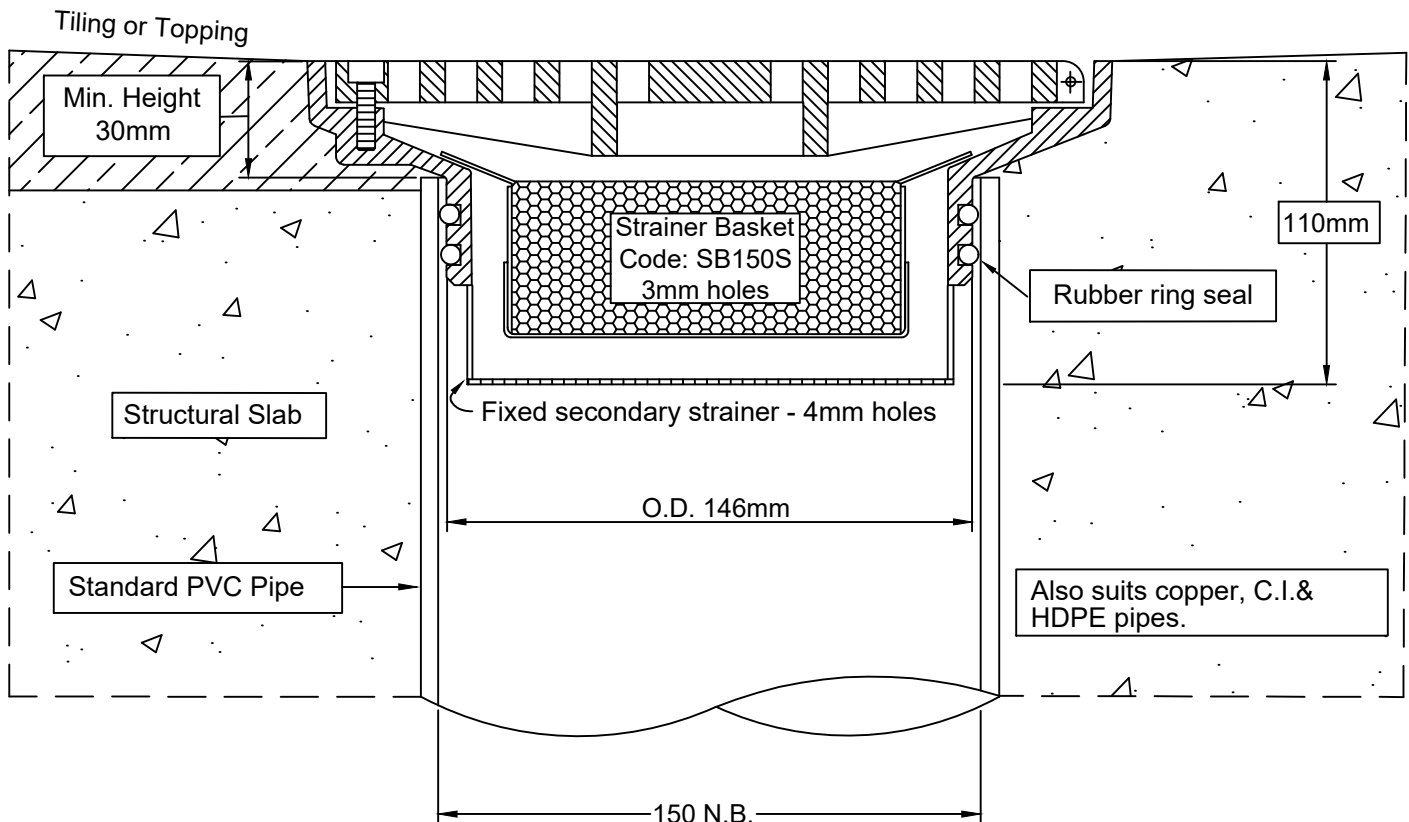
Specification code:
Q200/150SR-BT (316 stainless steel)

200mm
Square



- Push-in bucket trap assembly - 316 stainless steel grate assembly.
- Includes stainless steel removable basket and fixed secondary strainer.
- Outlet fits inside 150mm PVC, copper, CI and HDPE.
- Grate assembly load-tested to Class C of AS3996-2006.

Typical Application



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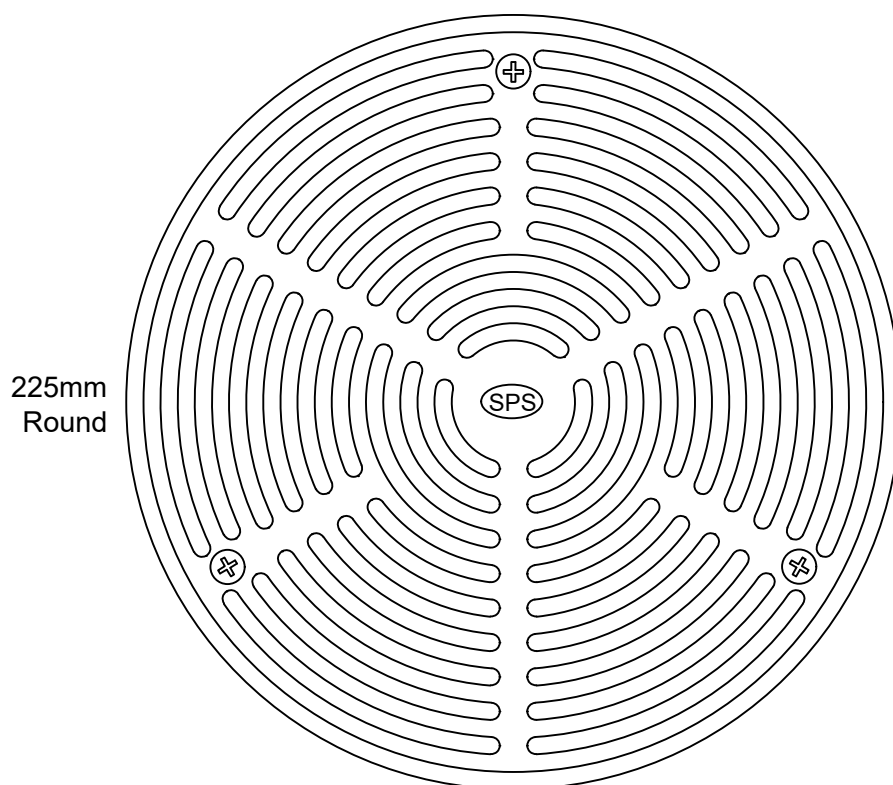
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 225mm Round Push-in Bucket Trap for 100mm pipe

Specification code:

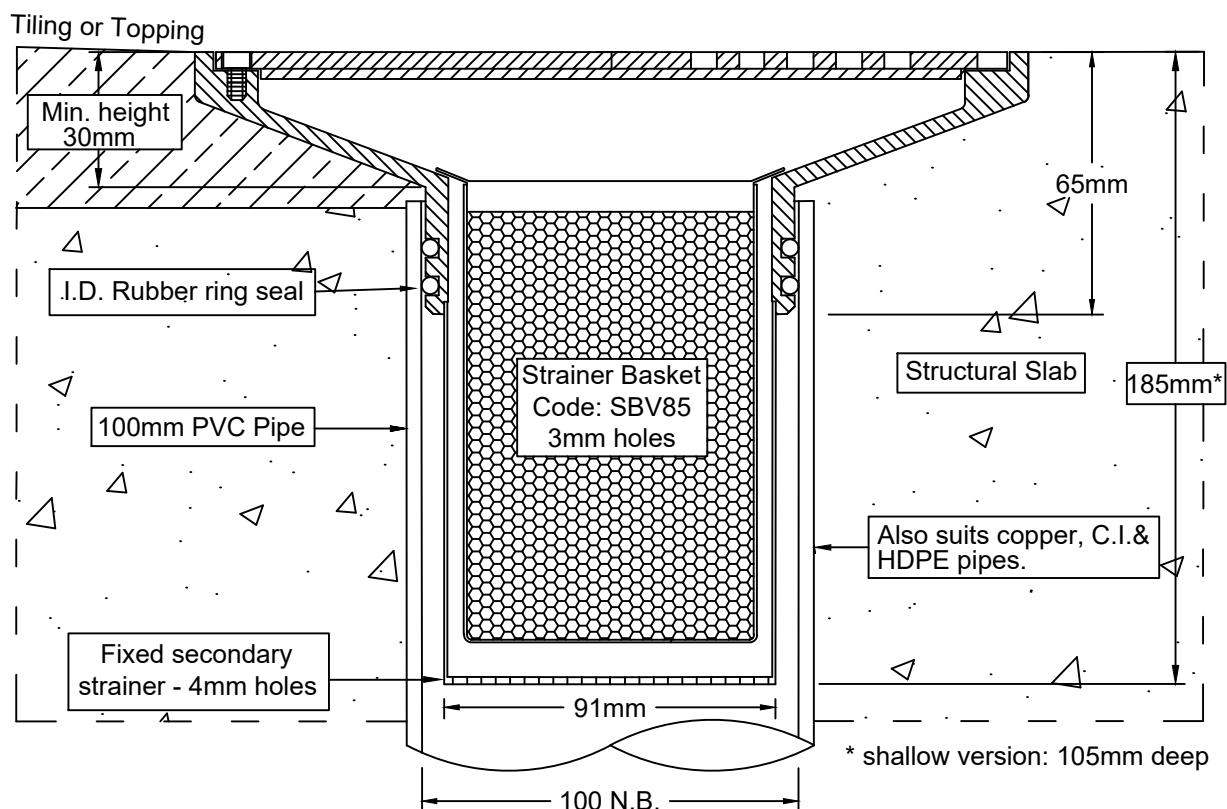
R225SR-BT (grate assembly in heel-friendly 316SS)

Shallow version: use suffix -BTS *special order*



225mm
Round

- Round grate in cast 316 stainless steel. Basket and strainer in 304 stainless steel sheet.
- Outlet fits inside 100mm PVC, copper, CI and HDPE.
- Includes stainless steel removable basket and fixed secondary strainer.
- Compatible with PVC leak control flanges for membraned applications.

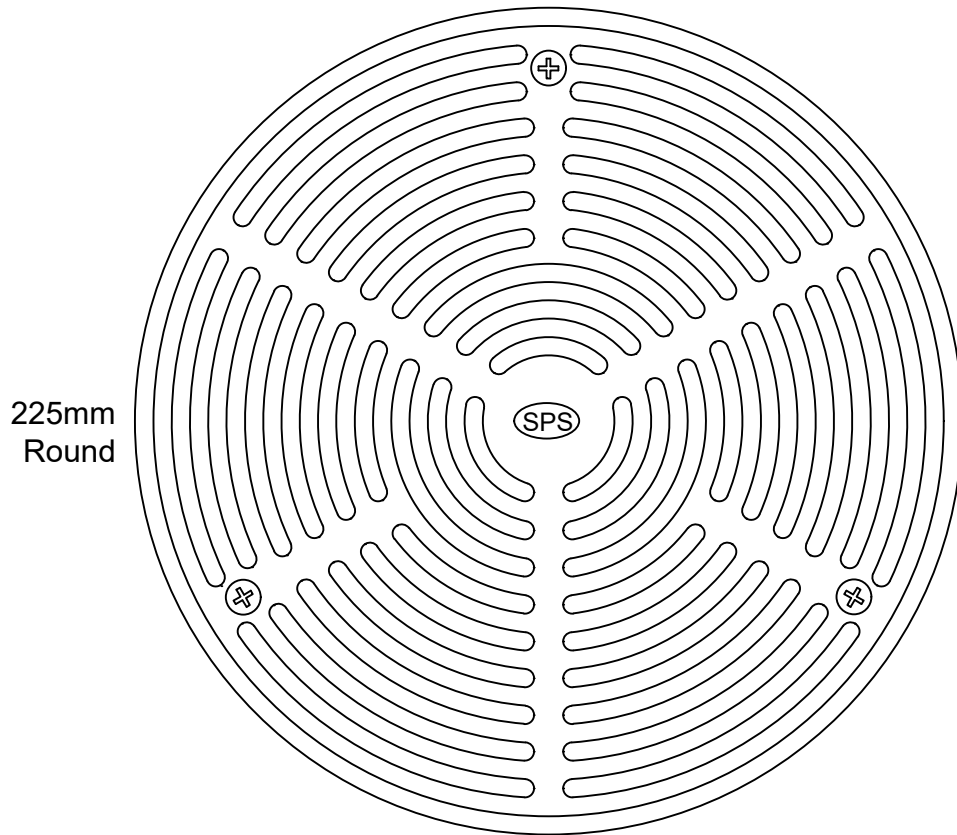


Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

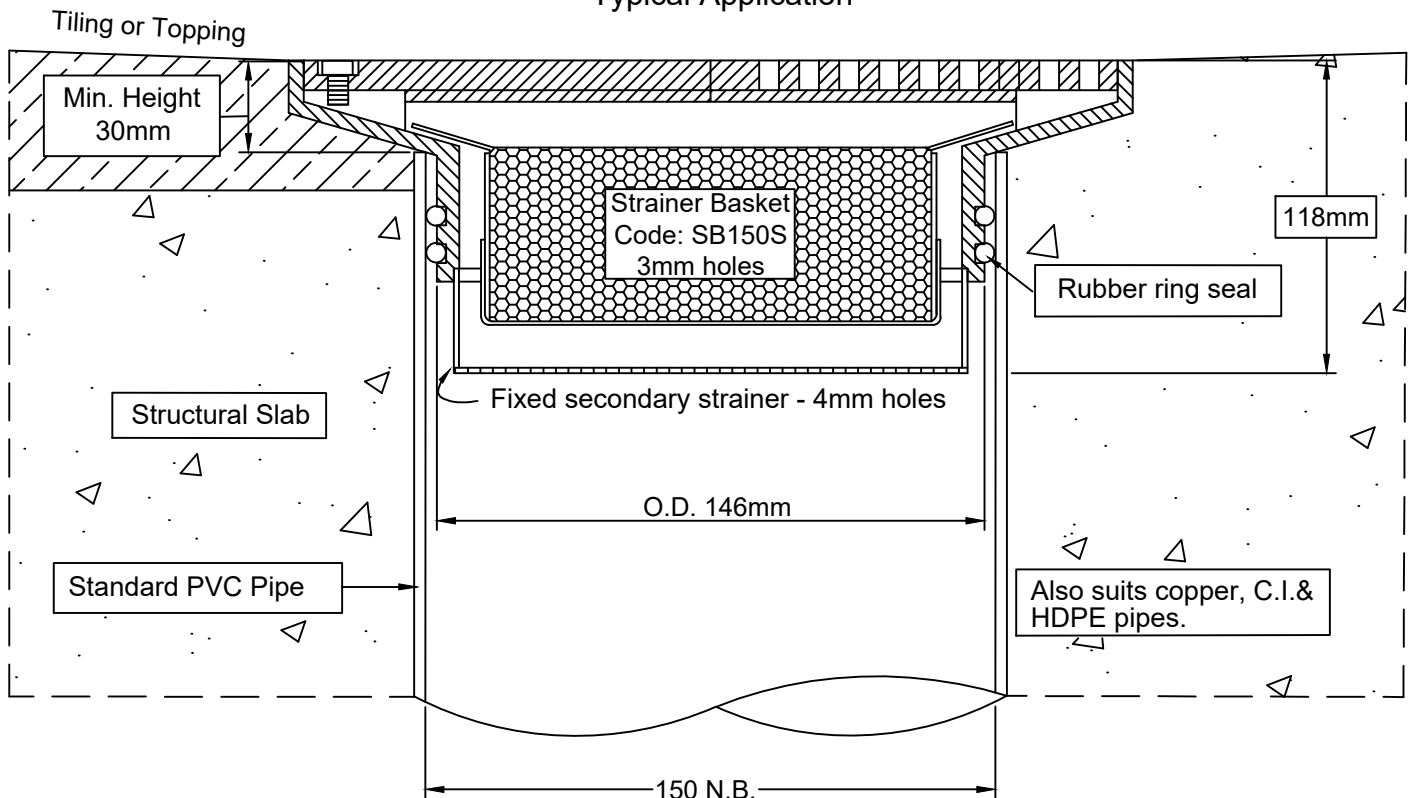
SPS 225mm Round Push-in Basket Trap for 150mm pipe

Specification code:
R225/150SR-BT (316SS grate assembly)



- Push-in bucket trap assembly - 316 stainless steel heel-friendly grate assembly.
- Includes stainless steel removable basket and fixed secondary strainer.
- Outlet fits inside 150mm PVC, copper, CI and HDPE.
- Grate assembly load-tested to Class C of AS3996-2006.

Typical Application



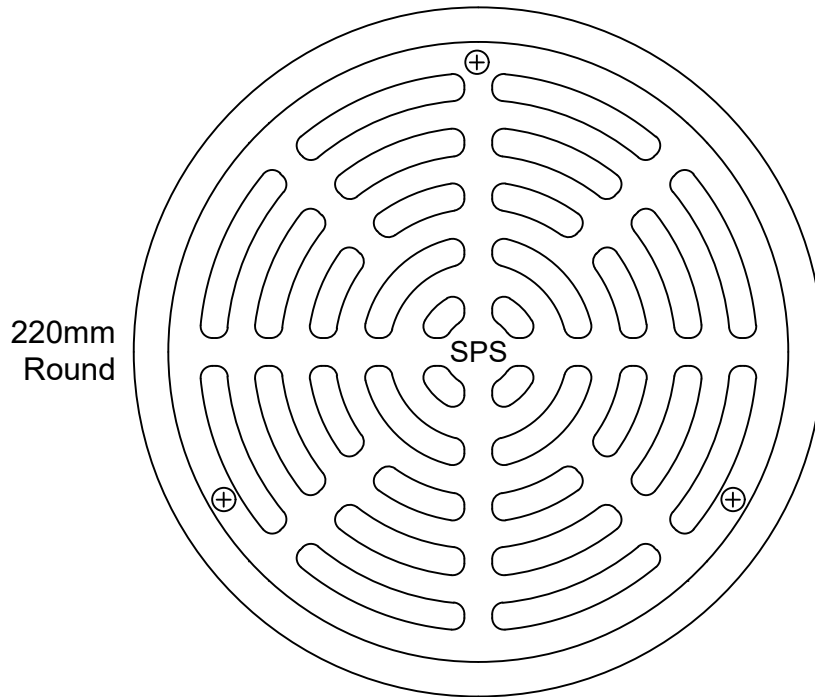
Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

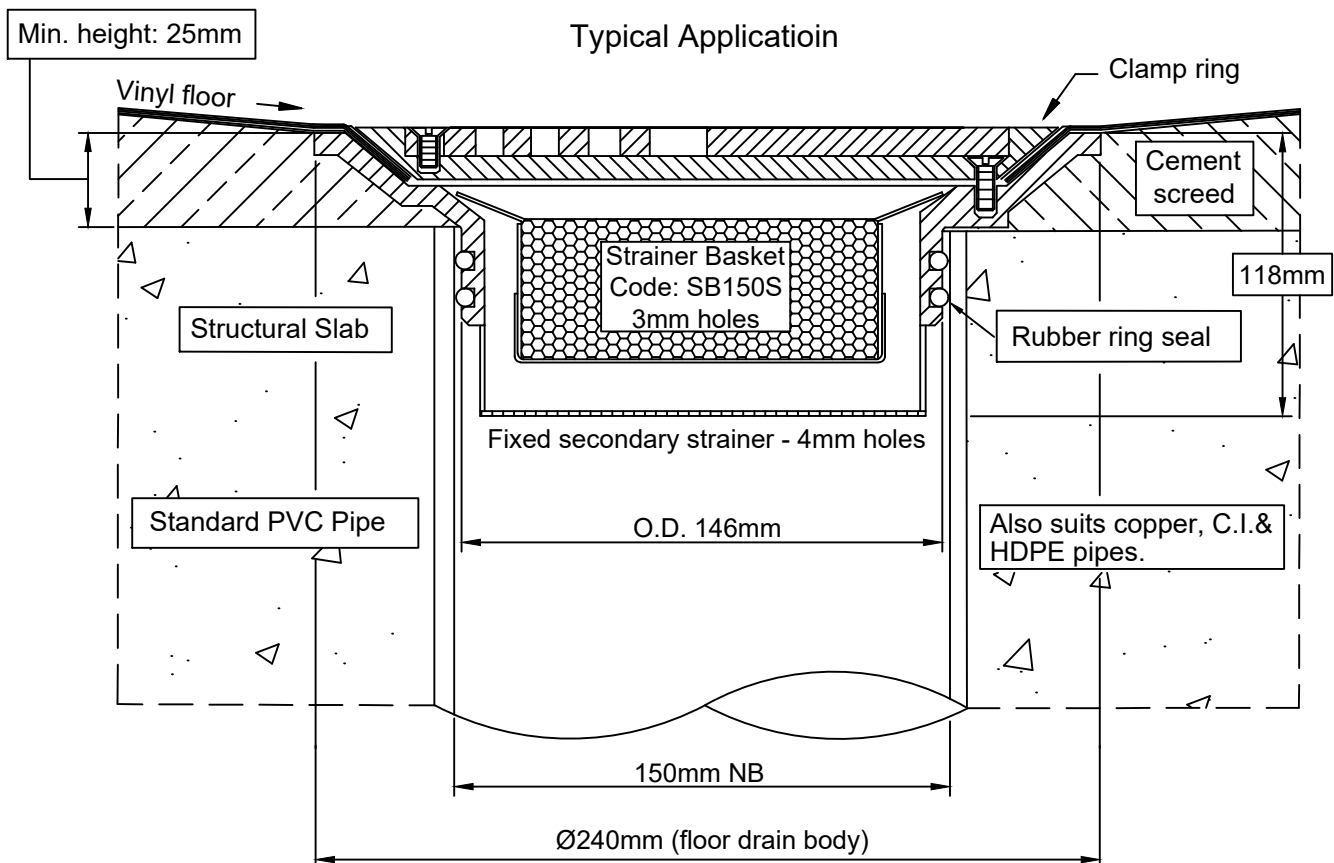
SPS 220mm Sheet Vinyl Floor Basket Trap

push into 150mm pipe

Specification codes:
LG150SSA-BT (All-304 stainless steel)



- Push-in basket trap assembly for sheet vinyl.
- Includes stainless steel removable basket and fixed secondary strainer.
- Drain body available in 304 stainless. 316 stainless steel available by special order.
- Ring & Grate available in polished 304 stainless steel. Satin 316 stainless steel available by special order.



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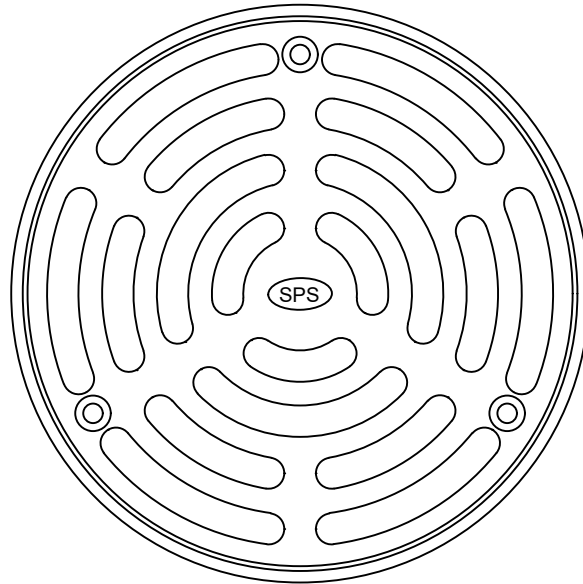
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Round Vari-Level Basket Trap (Shallow Body)

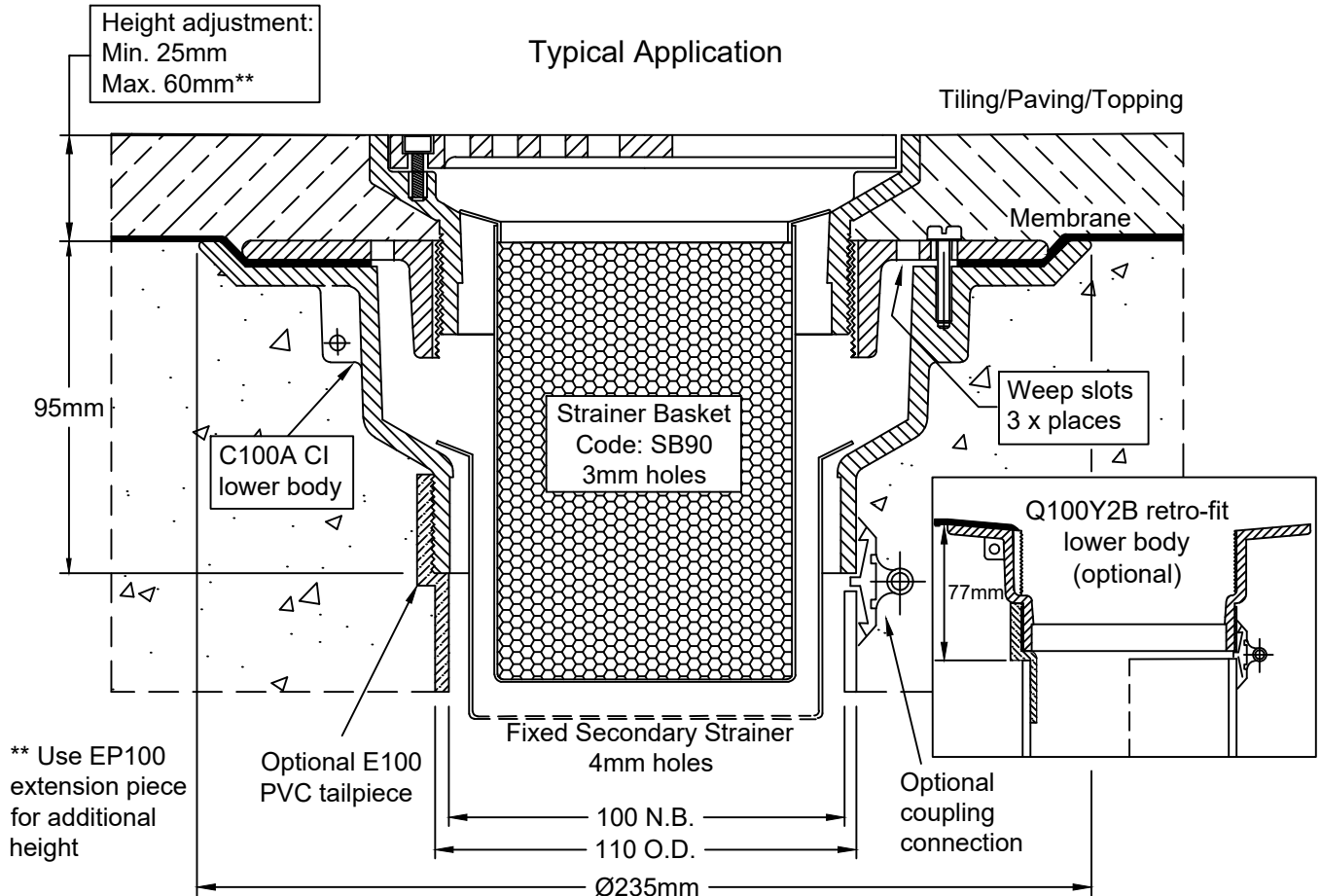
Specification codes:

R150SA (304 SS grate, CI retro-fit lower body)
 R150SSA (304 SS grate, 316 SS retro-fit lower body)
 R150SA2 (304 SS grate, C100A CI "deluxe" lower body)
 For 316SS grate add "6" eg "R150SA26"

150mm
Round



- Height-adjustable bucket trap assembly with lift-out grate.
- Grate assembly available in 304 stainless steel. 316 stainless non-stock option.
- C100A CI "deluxe" lower body with reversible clamp collar (pictured).
- Optional Q100Y2B CI retro-fit lower body fits inside 150mmØ core hole.



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Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Square Vari-Level Basket Trap (Shallow Body)

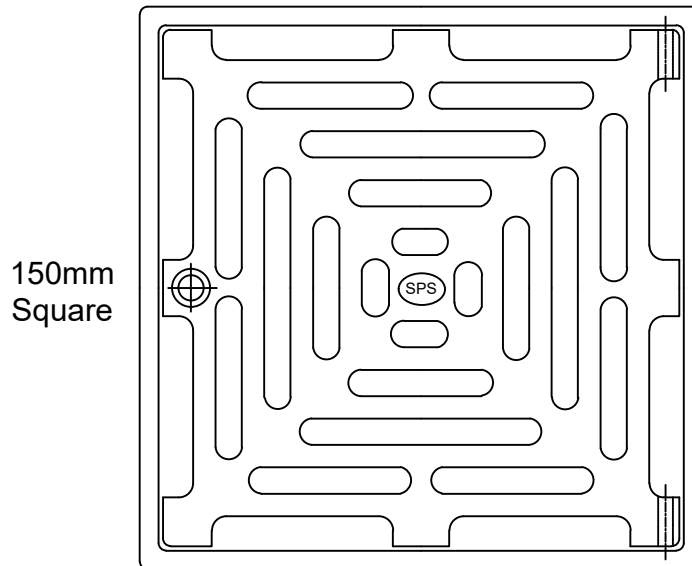
Specification codes:

Q150SA (304 SS grate, CI retro-fit lower body)

Q150SSA (304 SS grate, 316 SS retro-fit lower body)

Q150SA2 (304 SS grate, C100A "deluxe" CI lower body)

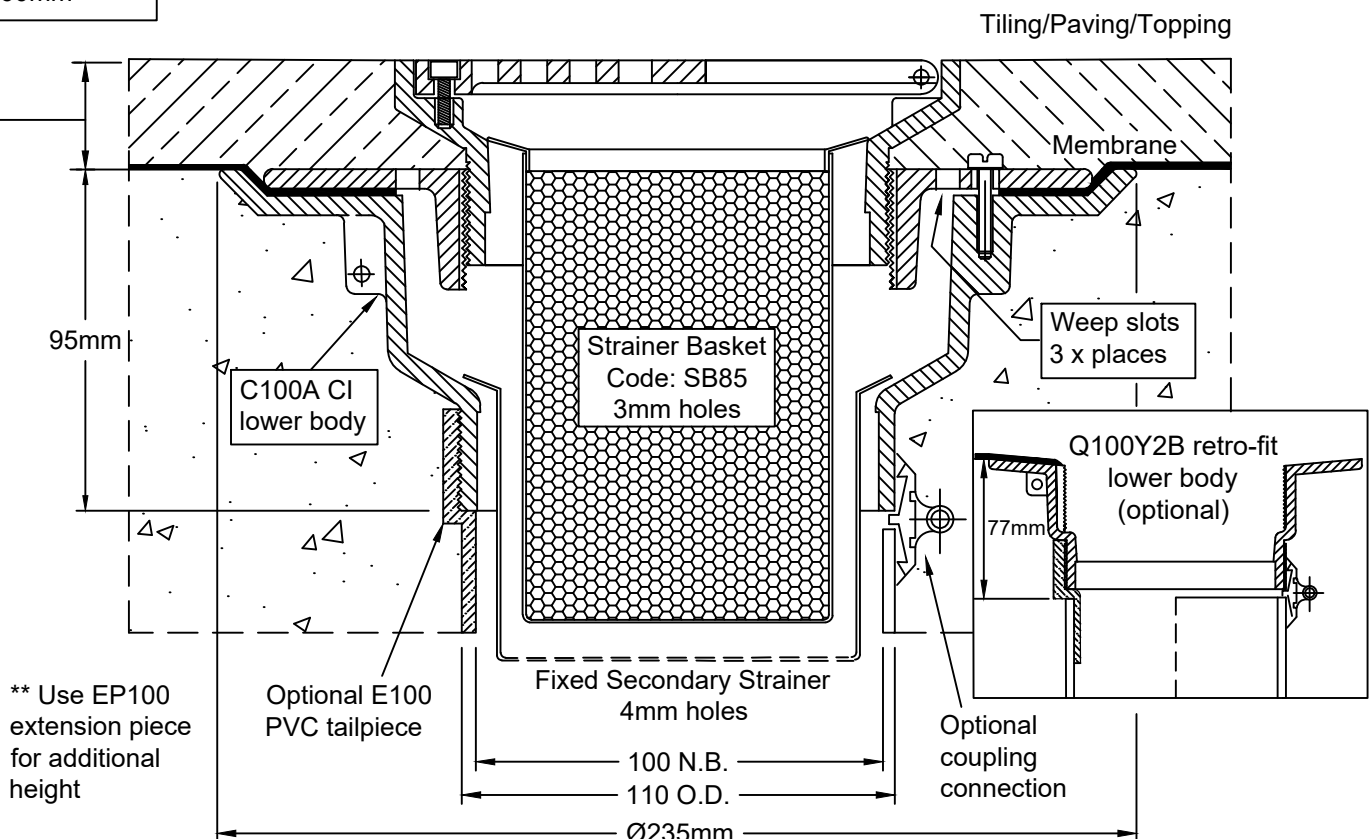
For 316SS grate, add "6" eg "Q150SA26"



- Height-adjustable, hinged basket trap assembly to suit 100mm pipe.
- Grate assembly available in 304 or 316 stainless steel.
- Includes stainless steel removable basket and fixed secondary strainer.
- C100A CI "deluxe" lower body with reversible clamp collar (pictured).
- Optional Q100Y2B CI retro-fit lower body fits inside 150mmØ core hole.

Height adjustment:
Min. 25mm
Max. 60mm**

Typical Application



Speciality Plumbing Supplies Pty Ltd

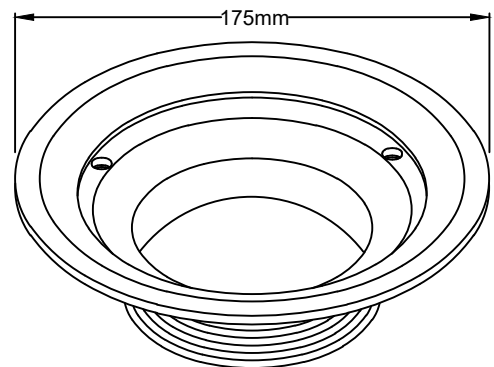
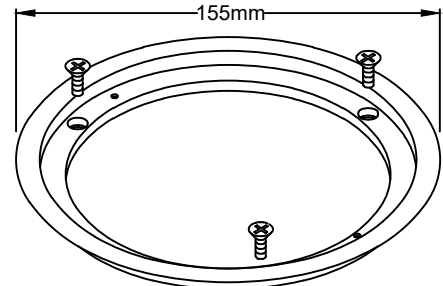
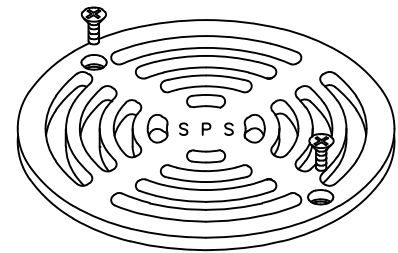
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 155mm Round Vinyl Floor Bucket Trap (Shallow Body)

Specification codes:

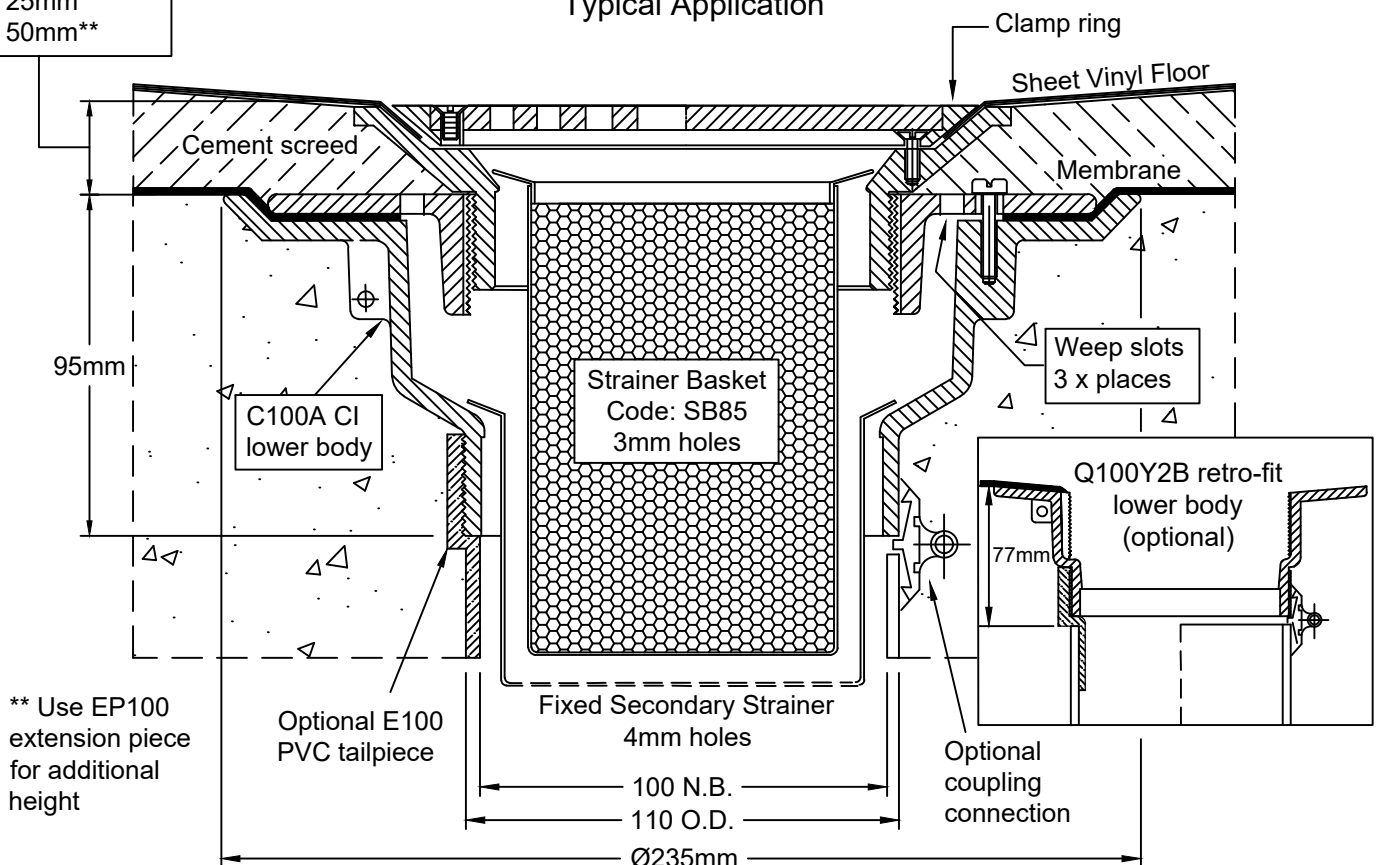
LG100A-S (304 SS ring & grate & body, CI retro-fit body)
 LG100A-SS (304 SS ring grate & body, 316 SS retro-fit body)
 LG100SA2 (304 SS ring, grate & body, CI "deluxe" body)

- Height-adjustable basket trap for sheet vinyl floor to suit 100mm pipe.
- Drain body available in 304 stainless as standard or 316 stainless steel as a non-stock option.
- Ring & Grate available in polished 304 or 316 stainless steel.
- Includes stainless steel removable basket and fixed secondary strainer.
- C100A CI "deluxe" lower body with reversible clamping collar.
- Optional CI or SS retro fit lower body fits inside 150mmØ core hole.



Height adjustment:
 Min. 25mm
 Max. 50mm**

Typical Application



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Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 200mm Square Vari-Level Basket Trap (Shallow Body)

Specification codes:

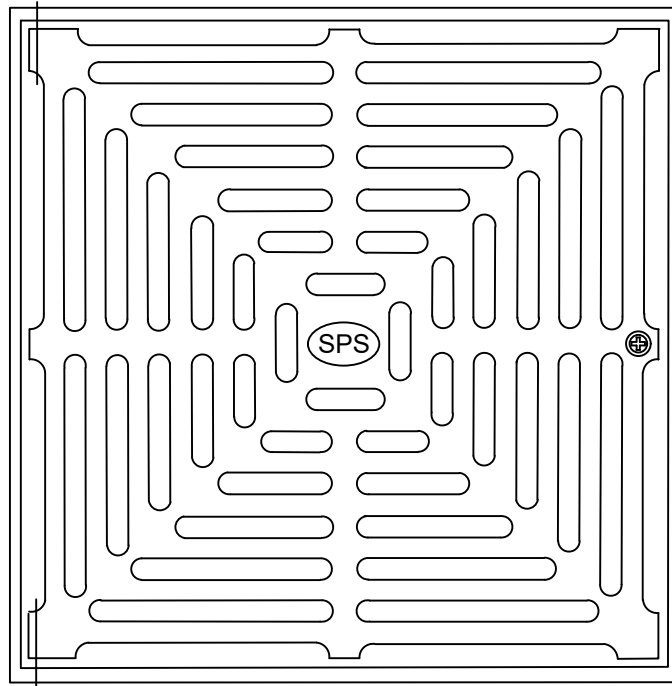
Q200SA (304 SS grate, CI retro-fit lower body)

Q200SSA (304 SS grate, 316 SS retro-fit lower body)

Q200SA2 (304 SS grate, C100A CI "deluxe" lower body)

For 316SS grate, add "6" eg "Q200SA26"

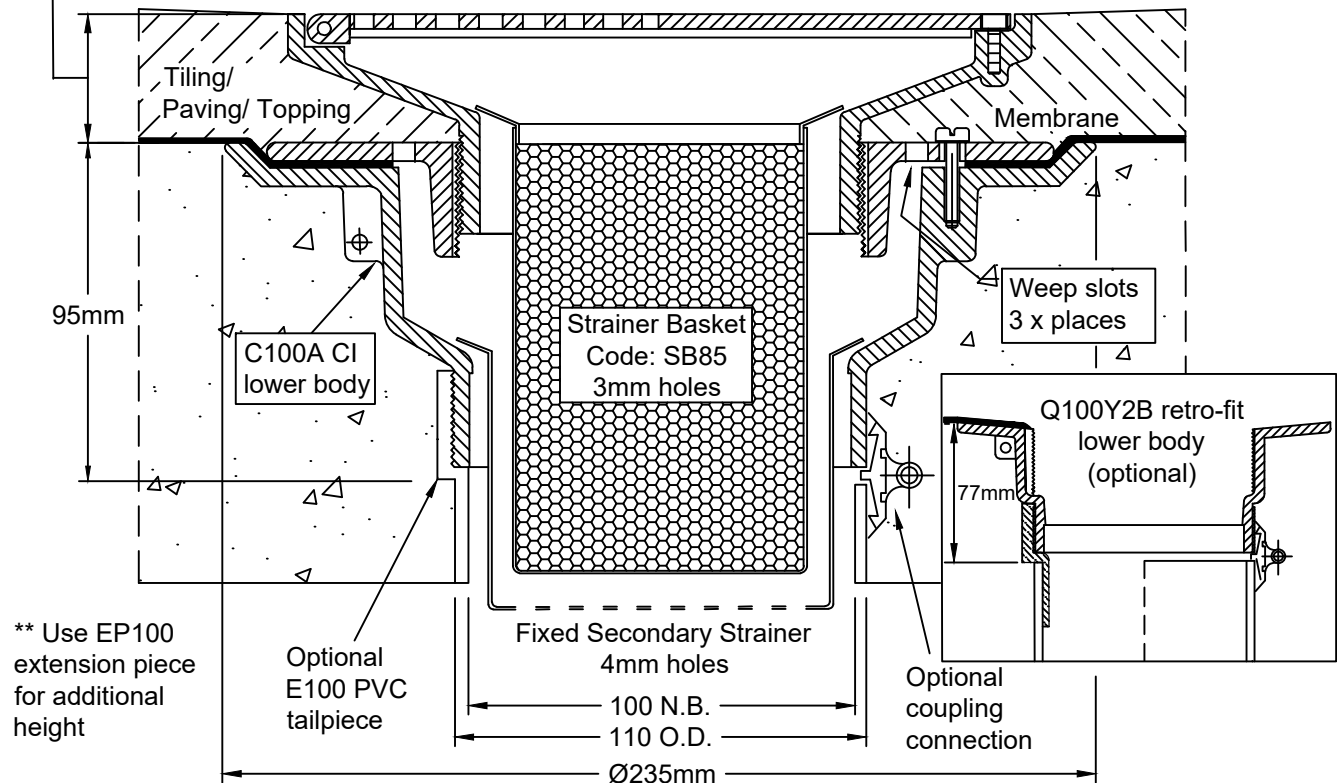
200mm
Square



- Height-adjustable, hinged basket trap assembly to suit 100mm pipe.
- Grate assembly available in 304 stainless steel; optional 316 stainless steel.
- Includes stainless steel removable basket and fixed secondary strainer.
- C100A CI "deluxe" lower body with reversible clamp collar (pictured).
- Optional CI or SS retro-fit lower body fits inside 150mmØ core hole.
- Load Class C per AS3996-2006

Height adjustment:
Min. 30mm
Max. 70mm**

Typical Application



Speciality Plumbing Supplies Pty Ltd

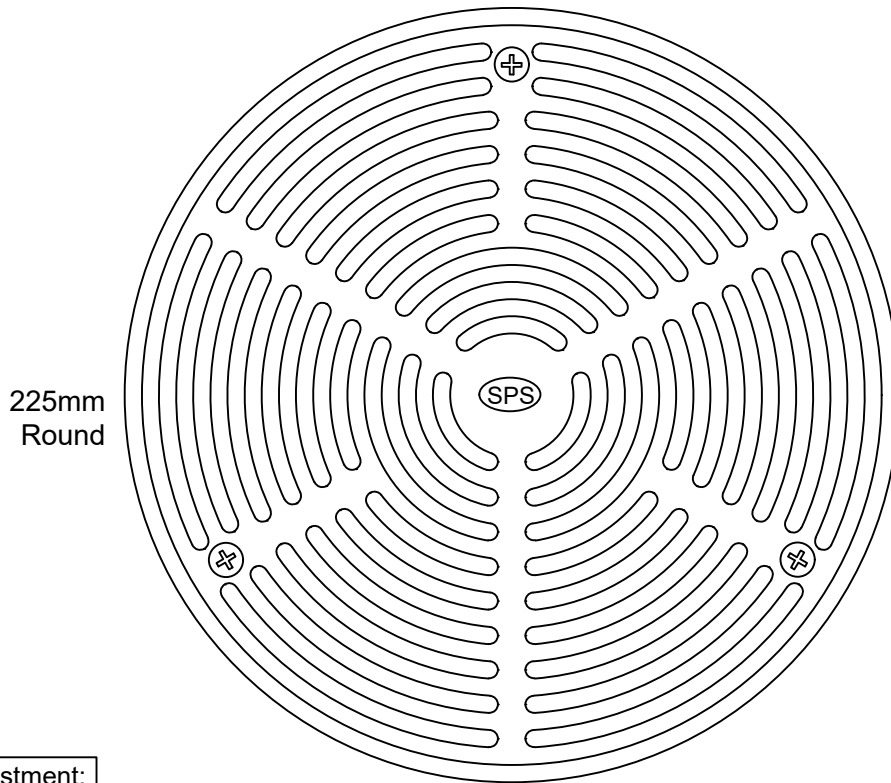
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 225mm Round Vari-Level Basket Trap (Shallow Body)

Specification codes:

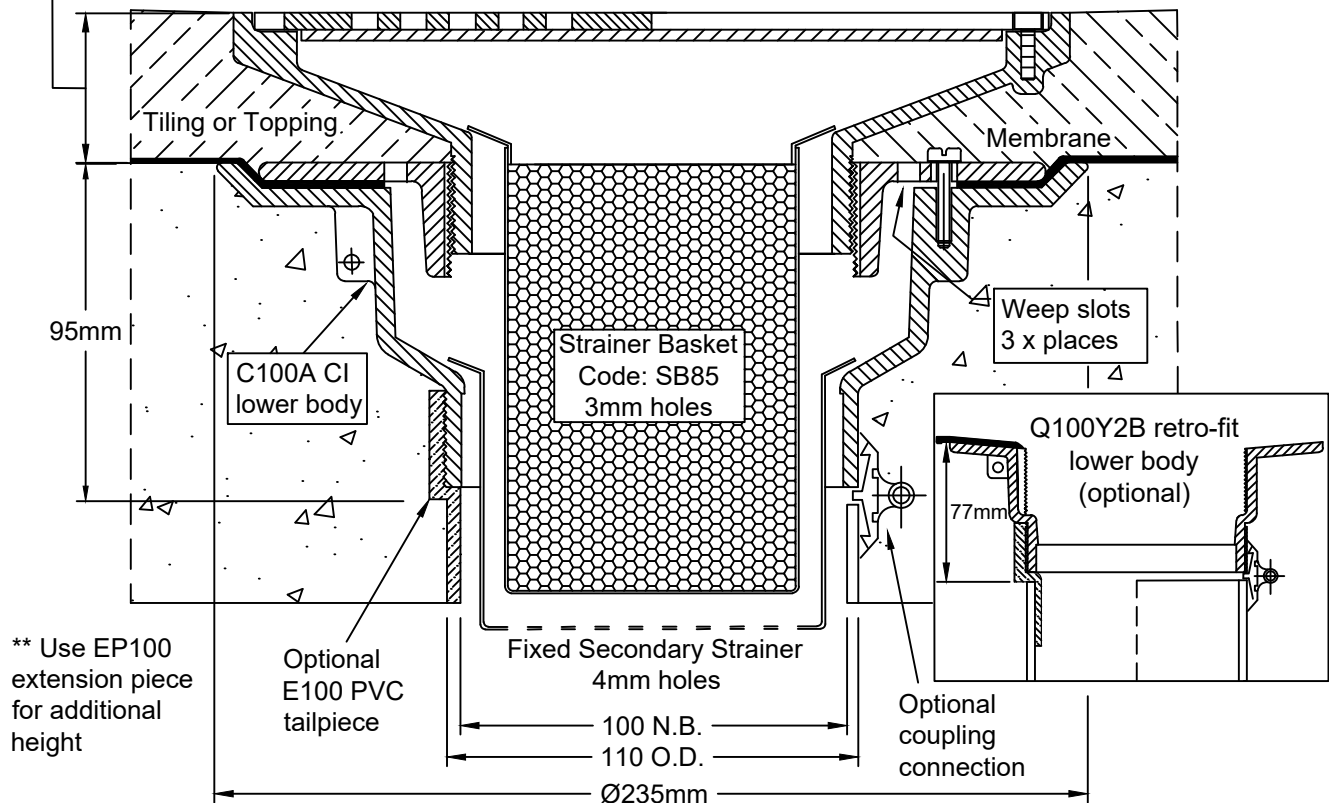
R225SA (316 SS grate, CI retro-fit lower body)
R225SSA (316 SS grate, 316 SS retro-fit lower body)
R225SA2 (316 SS grate, C100A CI "deluxe" lower body)

- Height-adjustable bucket trap assembly with high-heel friendly grate.
- Grate assembly available in 316 stainless steel.
- Includes stainless steel removable basket and fixed secondary strainer.
- C100A CI "deluxe" lower body with reversible clamp collar (pictured).
- Optional CI or SS retro-fit lower body fits inside 150mmØ core hole.



Height adjustment:
Min. 30mm
Max. 70mm**

Typical Application



Speciality Plumbing Supplies Pty Ltd

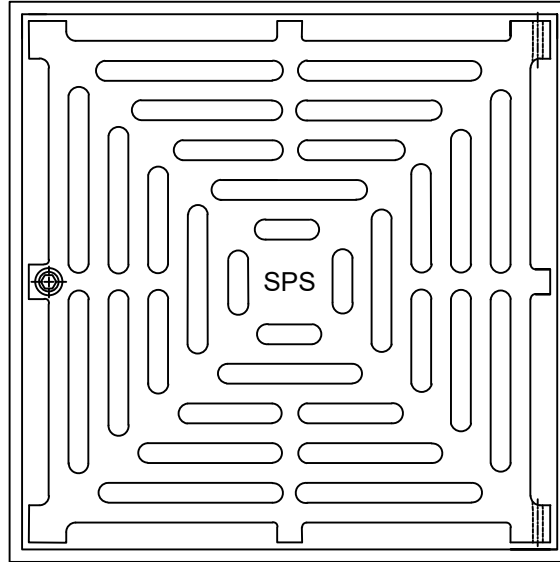
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 200mm Square Basket Trap Assembly (Deep Body)

Specification code:

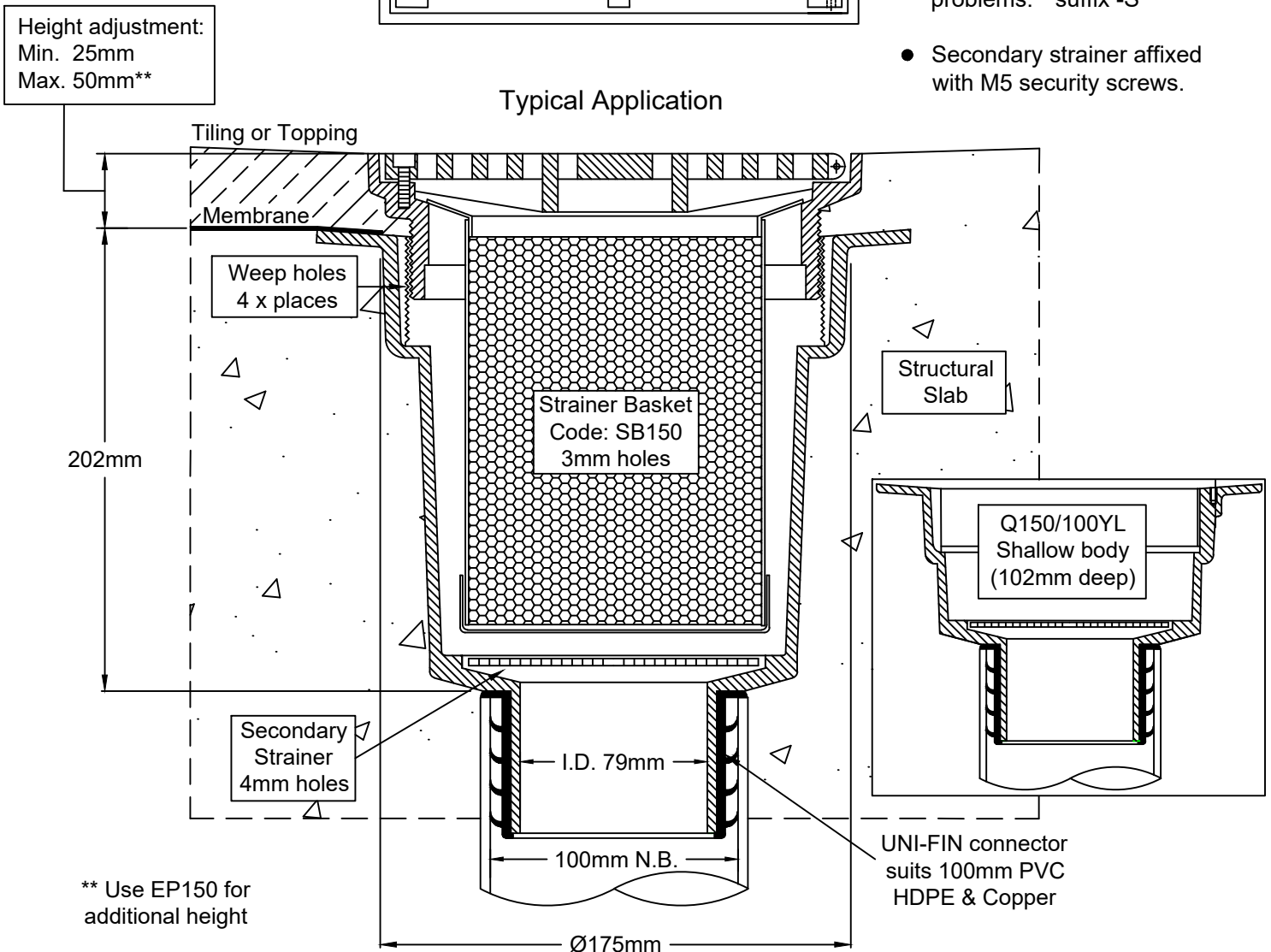
Q200SA3 (304 SS grate CI deep body)
Q200SSA3 (316 SS grate, 316 SS deep body)
Q200SA3-S (304 SS grate, CI shallow body)
Q200SSA3-S (316SS grate, 316SS shallow body)

200mm
Square



- Height-adjustable hinged basket trap assembly.
- Grate assembly available in cast 304 or 316 stainless steel. Load tested to Class C of AS3996-2006.
- Q150/100Y deep basket body fits inside 175mmØ core hole and is available in CI (standard) or 316 stainless steel.
- Q150/100YL shallow body saves 100mm in depth - used for thinner slabs or invert level problems. *suffix -S*
- Secondary strainer affixed with M5 security screws.

Typical Application



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SPS 225mm Round Bucket Trap Assembly (Deep Body)

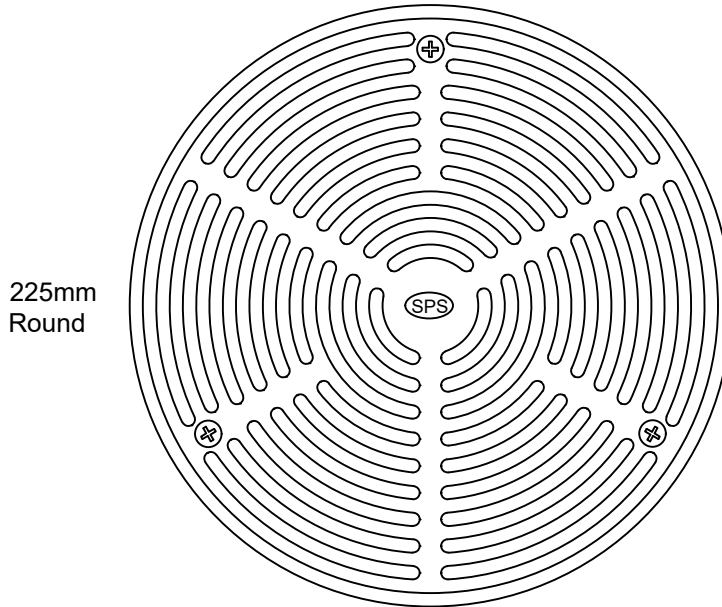
Specification code:

R225SA3 (304 SS grate CI deep body)

R225SSA3 (316 SS grate, 316 SS deep body)

R225SA3-S (304 SS grate, CI shallow body)

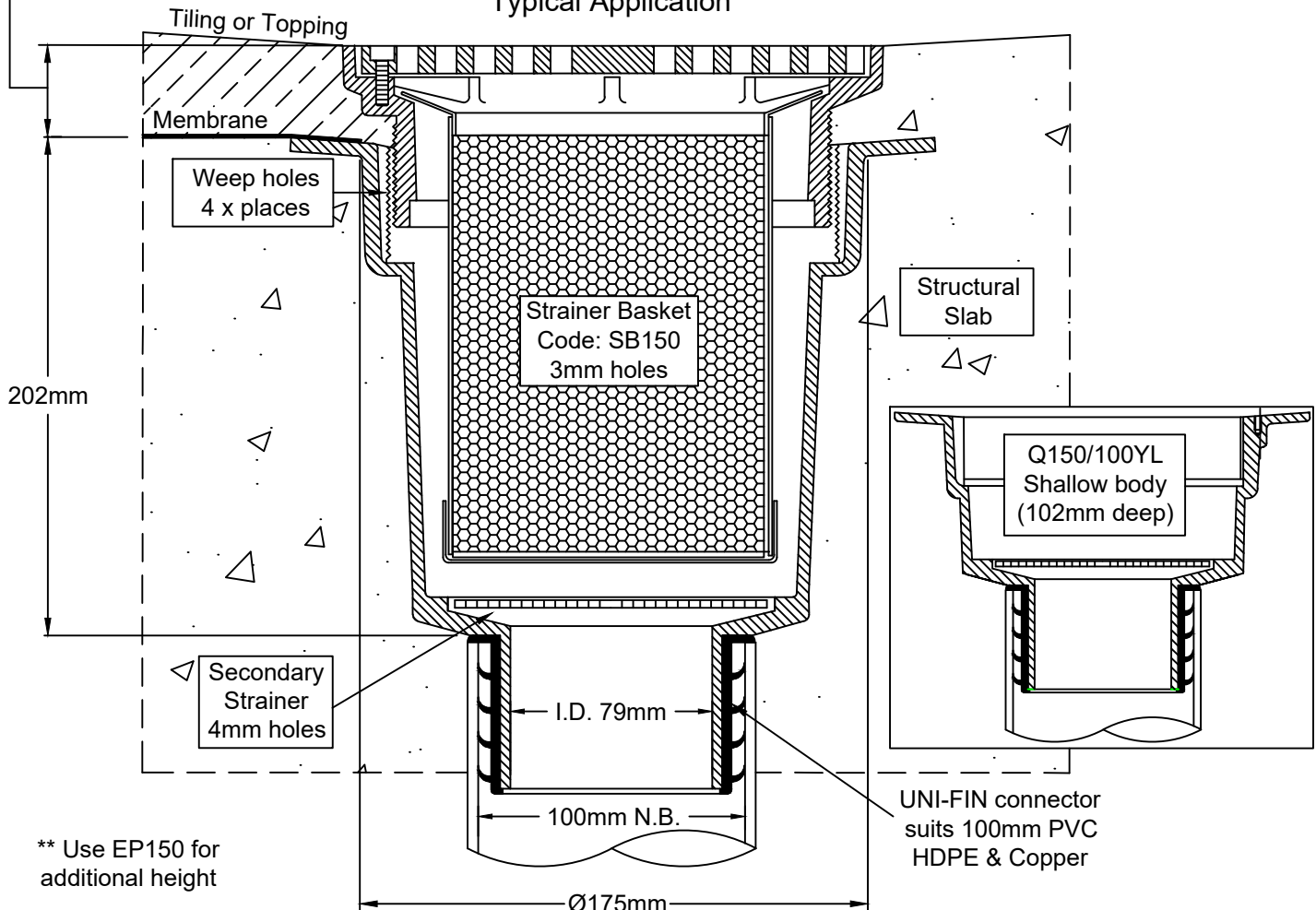
R225SSA3-S (316SS grate, 316SS shallow body)



- Height-adjustable basket trap assembly - heel-friendly fine pattern.
- Grate assembly available in cast 316 stainless steel. Load tested to Class C of AS3996-2006.
- Q150/100Y deep basket body fits inside 175mmØ core hole and is available in CI (standard) or 316 stainless steel.
- Q150/100YL shallow body saves 100mm in depth - used for thinner slabs or invert level problems. *suffix -S*
- Secondary strainer affixed with M5 security screws.

Height adjustment:
Min. 25mm
Max. 55mm**

Typical Application



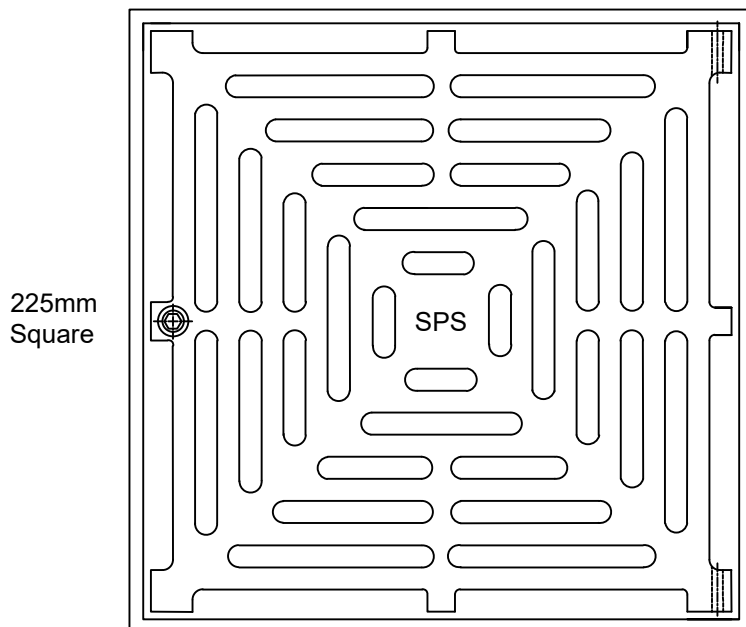
Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 225mm Square Basket Trap Assembly (Deep Body)

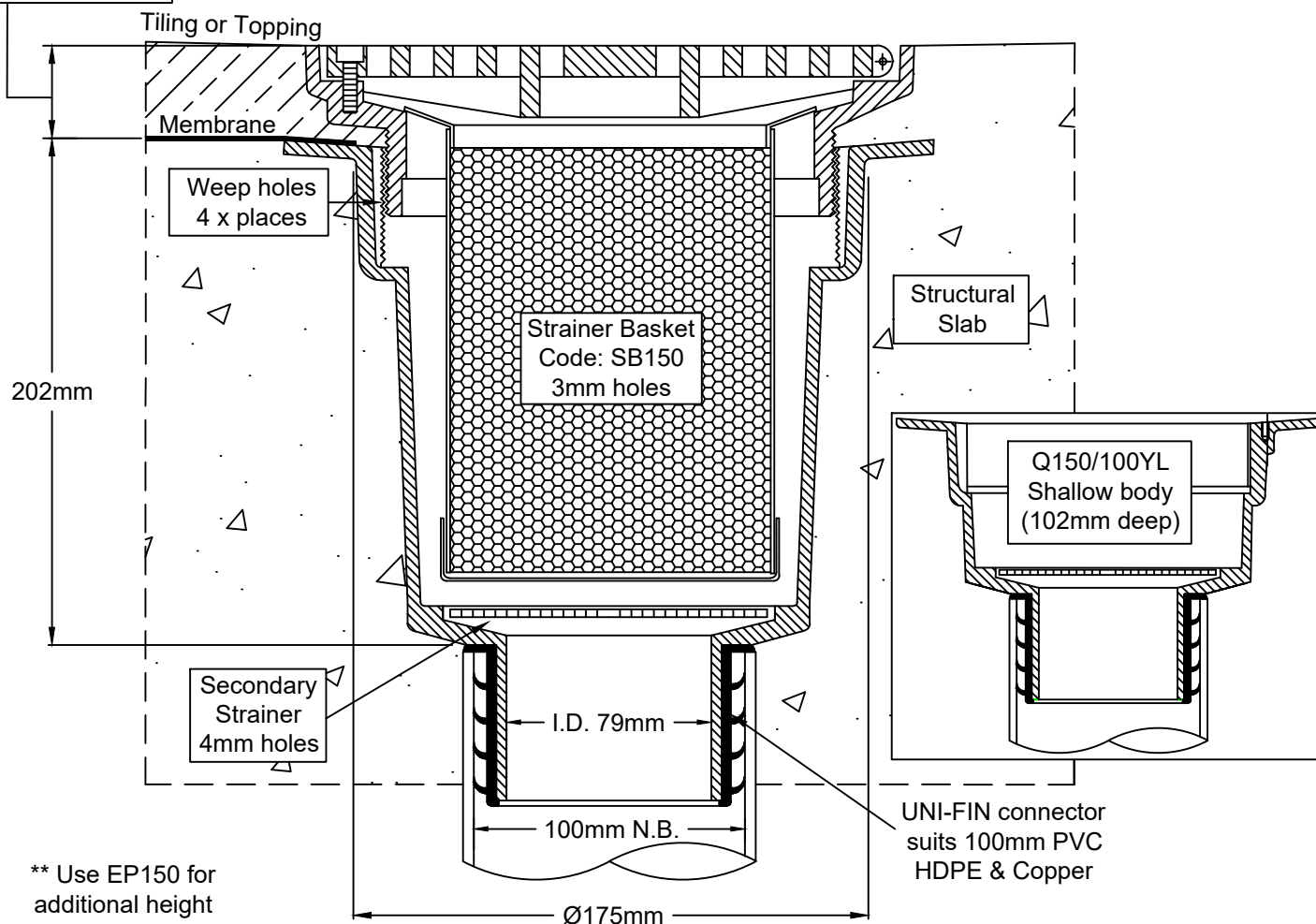
Specification code:

Q225SA (316 SS grate CI deep body)
Q200SSA3 (316 SS grate, 316 SS deep body)
Q200SA3-S (316 SS grate, CI shallow body)
Q200SSA3-S (316 SS grate, 316 SS shallow body)



- Height-adjustable hinged bucket trap assembly.
- Grate assembly available in cast 316 stainless steel. Load tested to Class C of AS3996-2006.
- Q150/100Y deep basket body fits inside 175mmØ core hole and is available in CI (standard) or 316 stainless steel.
- Q150/100YL shallow body saves 100mm in depth - used for thinner slabs or invert level problems. *suffix -S*
- Secondary strainer affixed with M5 security screws.

Height adjustment:
Min. 28mm
Max. 58mm**



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 300mm Square Basket Trap Assembly (Deep Body)

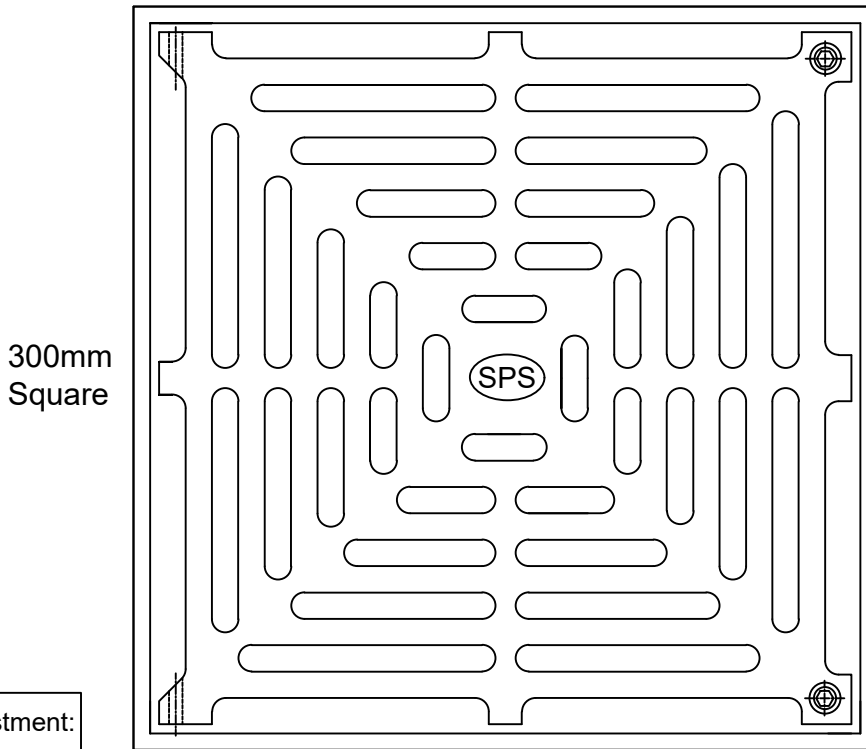
Specification code:

Q300DA (galvanised ductile iron grate, CI lower body)

Q300SA (304 SS grate, CI lower body)

Q300SSA (316 SS grate, 316 SS lower body)

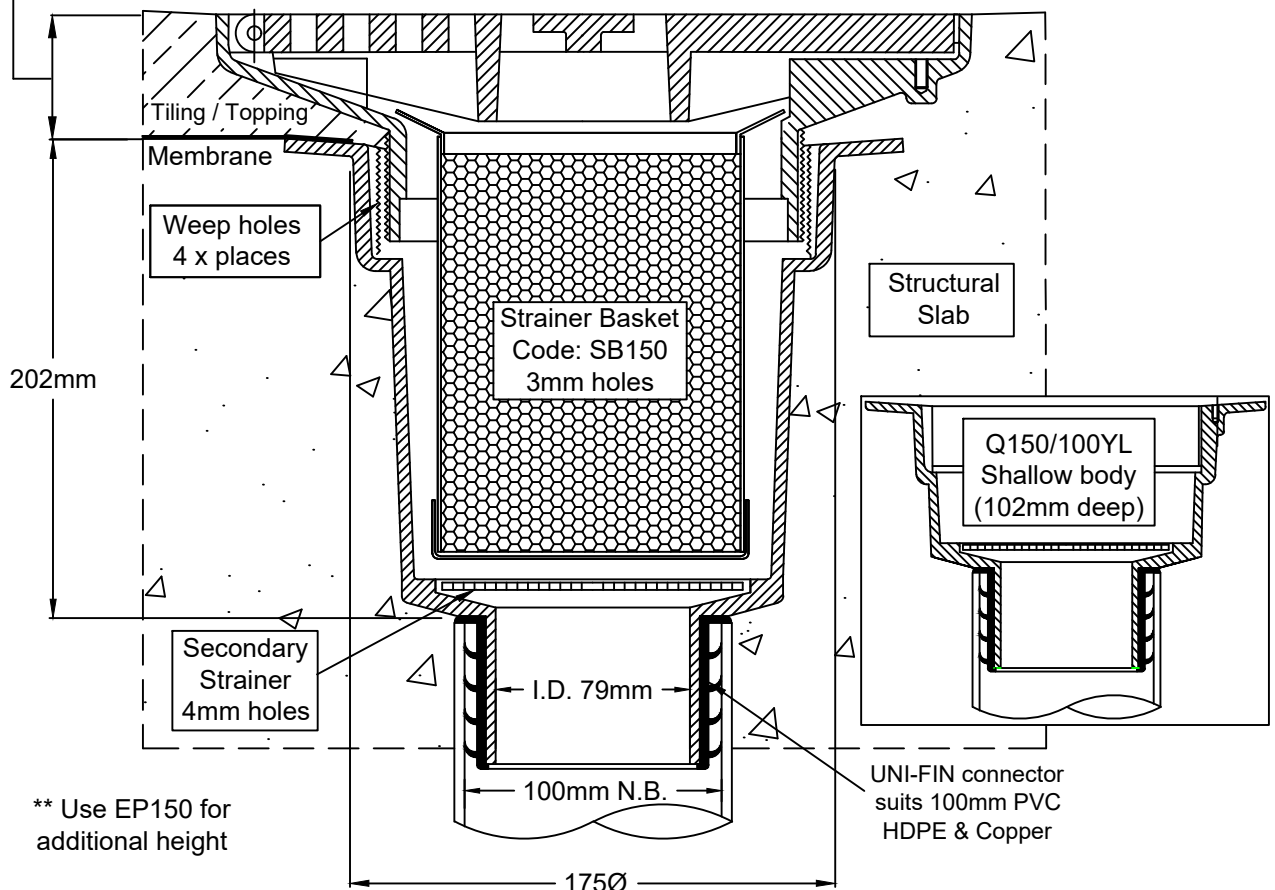
For shallow version add suffix "-S" to above codes



- Height-adjustable hinged basket trap assembly.
- Grate assembly available in cast 316 stainless steel. Load tested to Class C of AS3996-2006.
- Q150/100Y deep basket body fits inside 175mmØ core hole and is available in CI (standard) or 316 stainless steel.
- Q150/100YL shallow body saves 100mm in depth - used for thinner slabs or invert level problems. *suffix -S*
- Secondary strainer affixed with M5 security screws.

Height adjustment:
Min. 50mm
Max. 75mm**

Typical Application



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Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

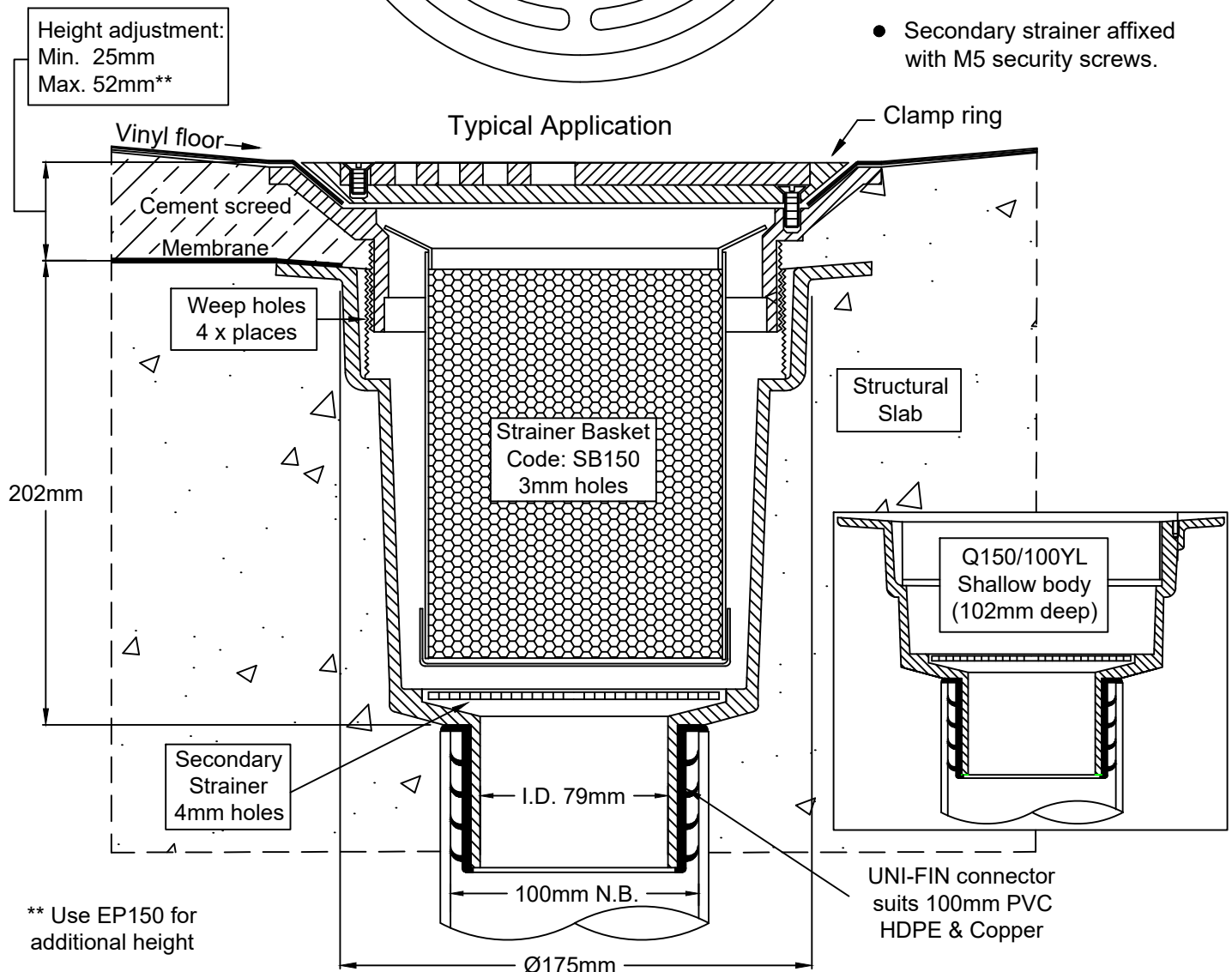
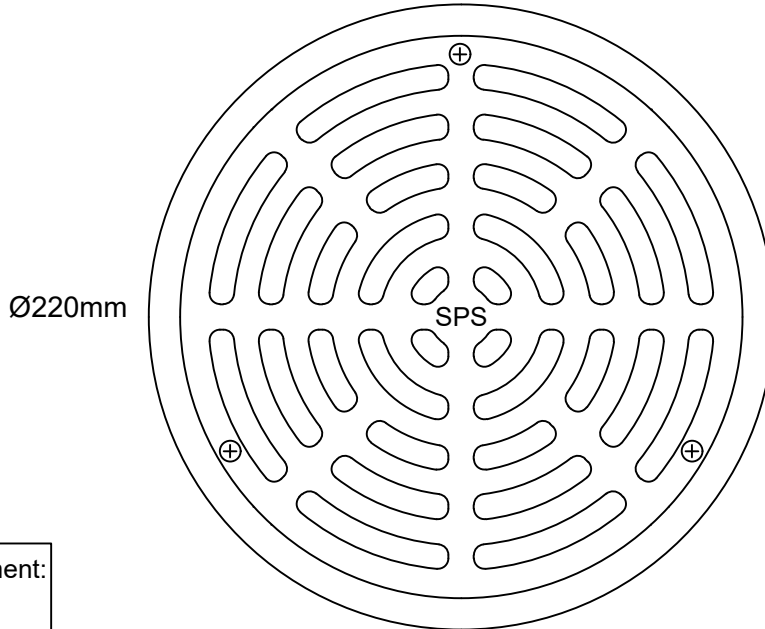
SPS 220mm Sheet Vinyl Floor Basket Trap (Deep Body)

Specification code:

LG150A/S (304 SS grate assembly, CI deep body)
 LG150A/SSA (316 SS grate assembly, 316 SS deep body)
 LG150A/S-S (304 SS grate assembly, CI shallow body)
 LG150A/SSA-S (316SS grate assembly, 316SS shallow body)

(Deep Body)

- Height-adjustable basket trap assembly for sheet vinyl flooring.
- Grate assembly available in cast 304 and 316 stainless steel.
- Q150/100Y deep basket body fits inside 175mmØ core hole and is available in CI (standard) or 316 stainless steel.
- Q150/100YL shallow body saves 100mm in depth - used for thinner slabs or invert level problems. *suffix -S*
- Secondary strainer affixed with M5 security screws.



** Use EP150 for additional height

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS Square Special Basket Trap

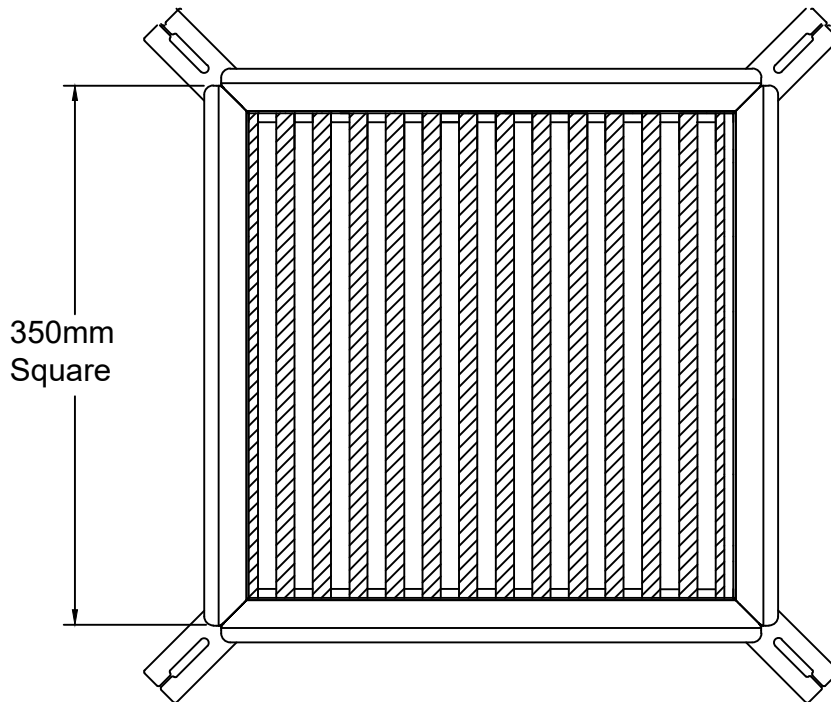
(Custom made)

Specification code:

Q300BTA (300mm square full 304SS)

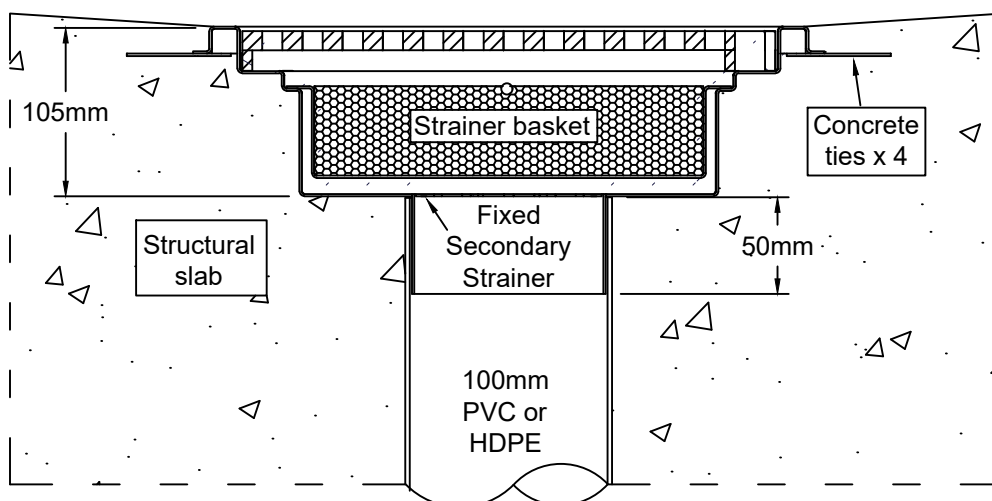
Q350BTA (350mm square full 304SS)

Q450BTA (450mm square full 304SS)



- All-304 stainless steel basket trap assembly.
- Load rated to Class C of AS3996.
- Lift-out grate made from heavy-duty 10x10mm square bar, with 10mm gaps.
- 5mm x 5mm wedge wire (high heel friendly) grating available as option.

Typical application



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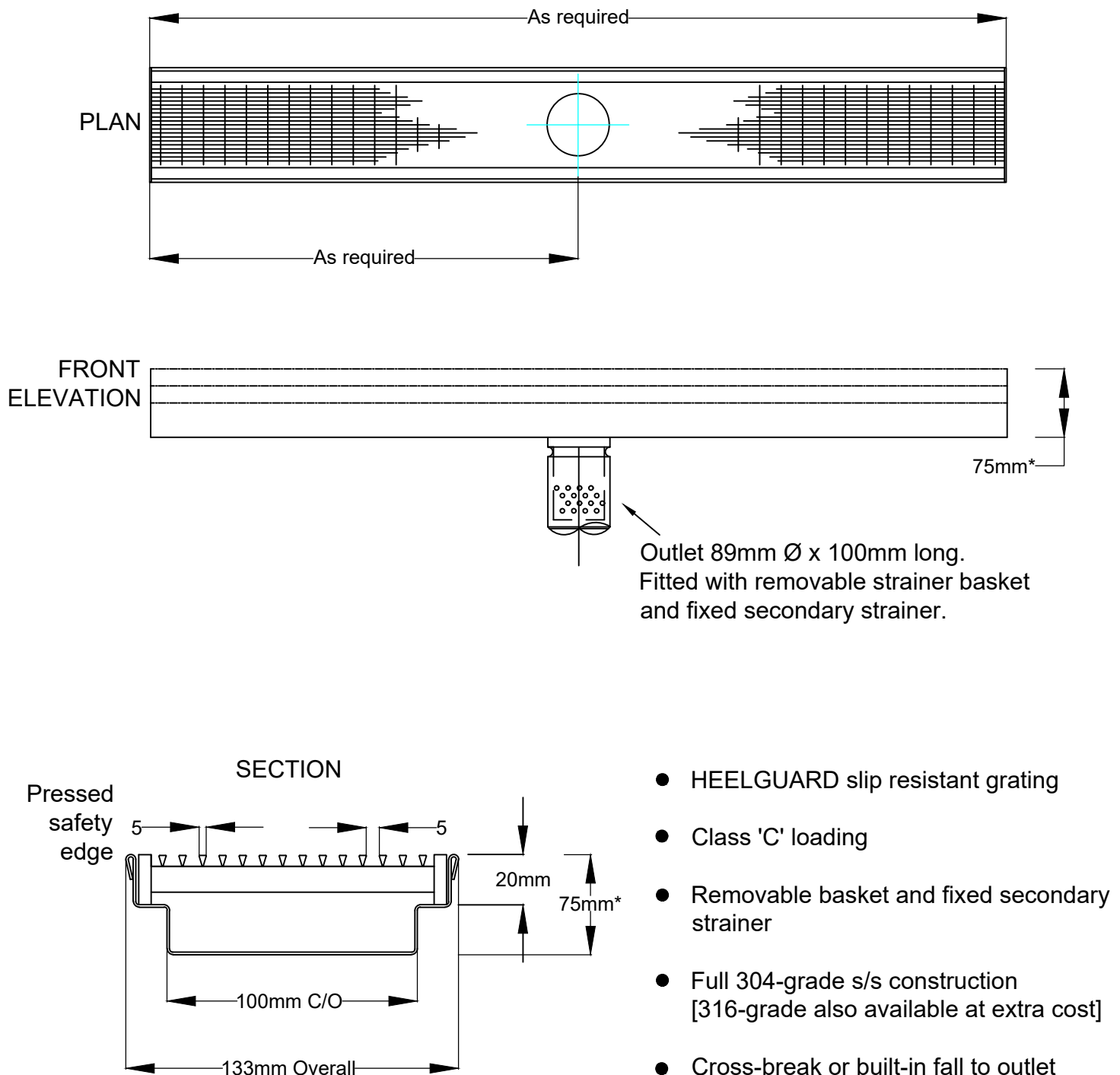
SPS Coles-Style Basket Trap Floor Trough

With Class "C" slip-resistant wedge wire grating

Specification codes:

BTT125C1 - standard wedge-wire grating

BTT125C2 - composite grating



Speciality Plumbing Supplies Pty Ltd

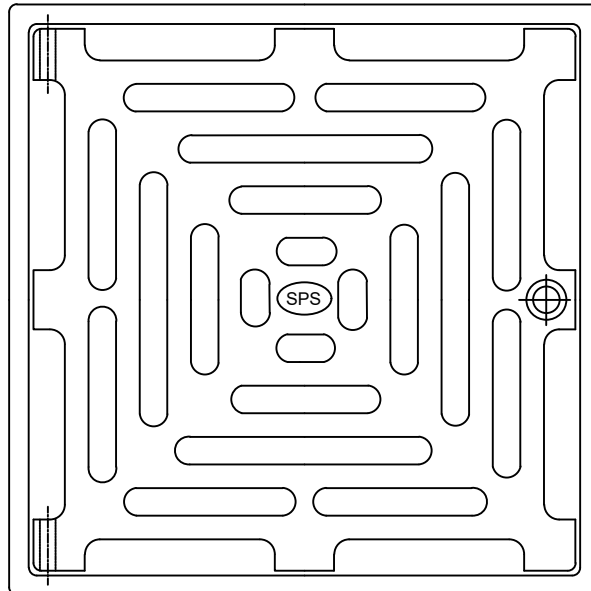
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Square Push-in Bucket Trap With "Smart Secondary Strainer"*

Specification code:
Q150SR-BTM (All-304 stainless steel)

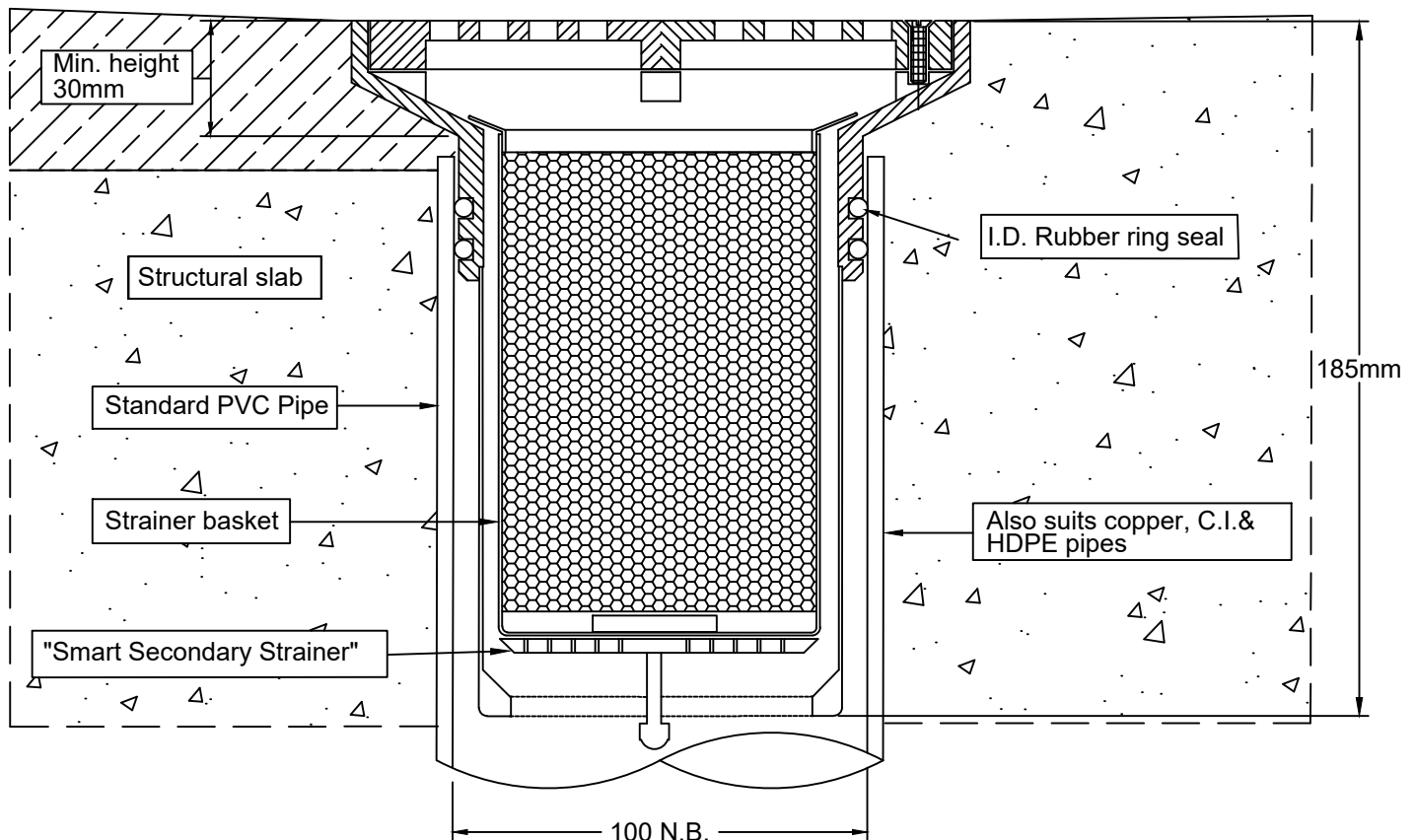
AUS NZ & US PATENT

150mm
Square



- Square grate in cast 304 stainless steel. Basket and strainer in 304 stainless steel sheet.
- Spigot fits inside 100mm PVC, copper, CI and HDPE.
- Secondary strainer plate activates only when strainer basket is removed.
- Compatible with PVC leak control flanges for membraned applications.

Tiling or topping



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SECTION 7

Cleanouts - Inspection Points - Boundary Traps

		<u>To suit pipe size (mm):</u>
7.01	130mm Round - Push-in	100
7.02	150mm Round - Push-in	100
7.03	130mm Square - Push-in	100
7.04	117mm Vinyl - Push-in	80
7.05	135mm Vinyl - Push-in	100
7.06	135mm Vinyl - Push-in – Special Plug Insert	100
7.07	130mm Round - Vari-level	100
7.08	150mm Round - Vari-level	100
7.09	125mm Vinyl - Vari-level	100
7.10	155mm Vinyl - Vari-level	100
7.11	200mm Round - Push-in 150 (Boundary Trap)	150
7.12	220mm Vinyl - Push-in 150	150
7.13	220mm Vinyl - vari-level - for sheet vinyl floor	150 (or 100)
7.14	150mm Square - Push-in – Special Trap Screw	100
7.15	150 & 200mm Square Inspection Covers	100

SPS 130mm Round Push-in Cleanout

100mm outlet

Specification codes:

R130SCR4 (Polished 304 stainless steel)

R130SCR6 (Satin 316 stainless steel)

R130SCRN6 (Non-slip 316 stainless steel)

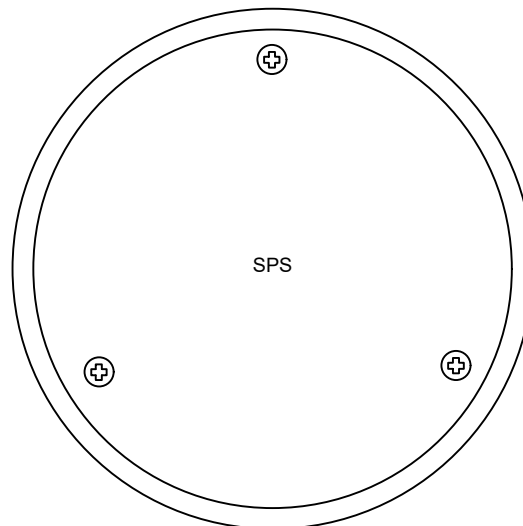
For security screws, use suffix /SEC

- Light-duty cleanout in cast 304 and 316 stainless steel.

- Gas-tight lid.

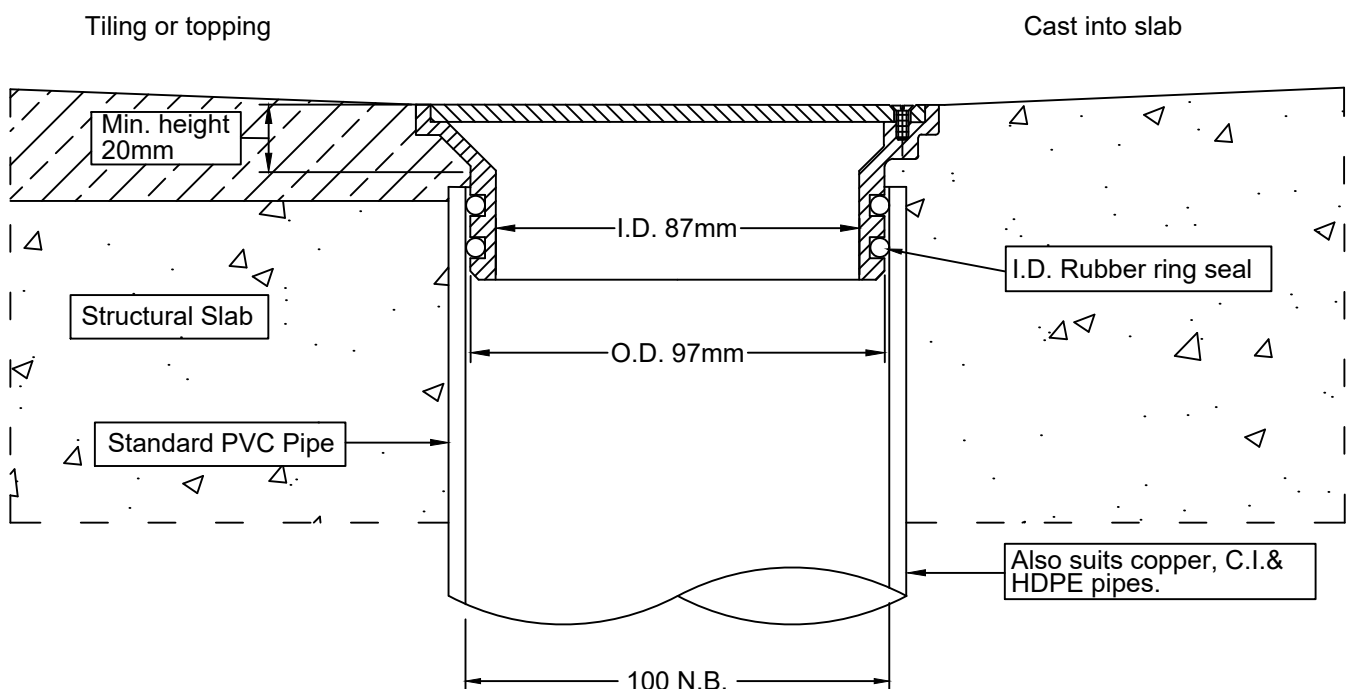
- Security screws also available.

130mm
Round



⊗ — Optional security screws (use suffix "/SEC")

Typical Application



Speciality Plumbing Supplies Pty Ltd

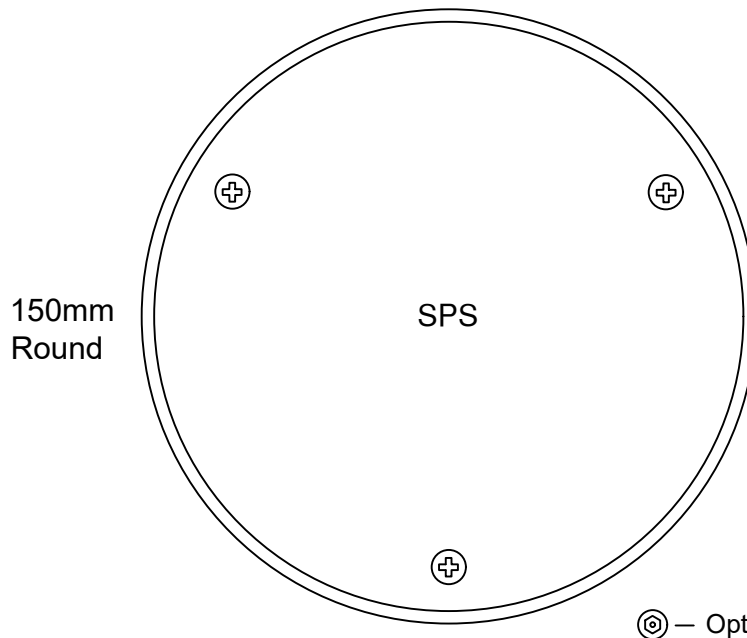
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Round Push-in Cleanout

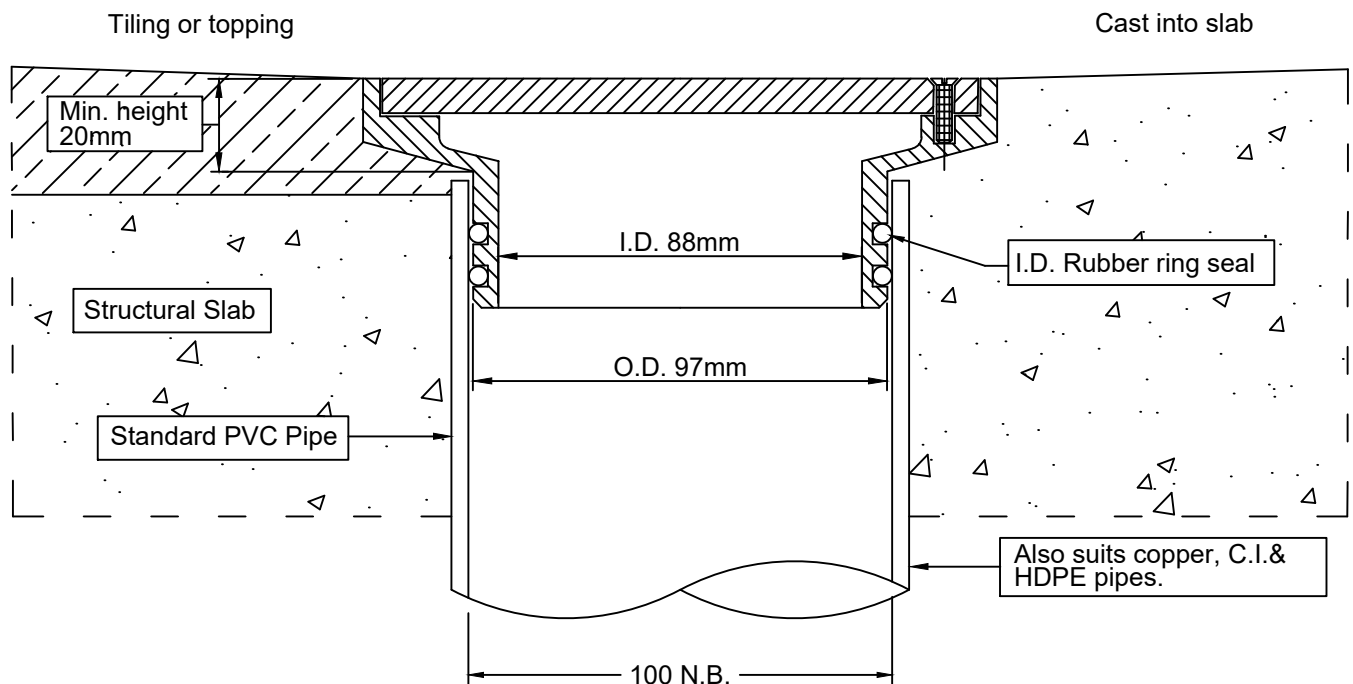
Specification codes:
R150SCR (Satin 316 stainless steel)

100mm Outlet

- Heavy-duty cleanout in cast 316 stainless steel.
- Security screws also available.



Typical Application



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 130mm Square Push-in Cleanout

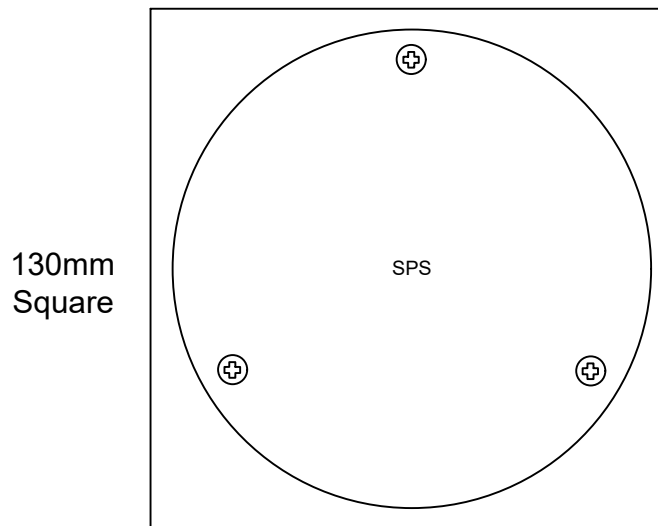
100mm Outlet

Specification codes:

Q130SCR4 (Polished 304 stainless steel)

Q130SCRN6 (Non-slip 316 stainless steel)

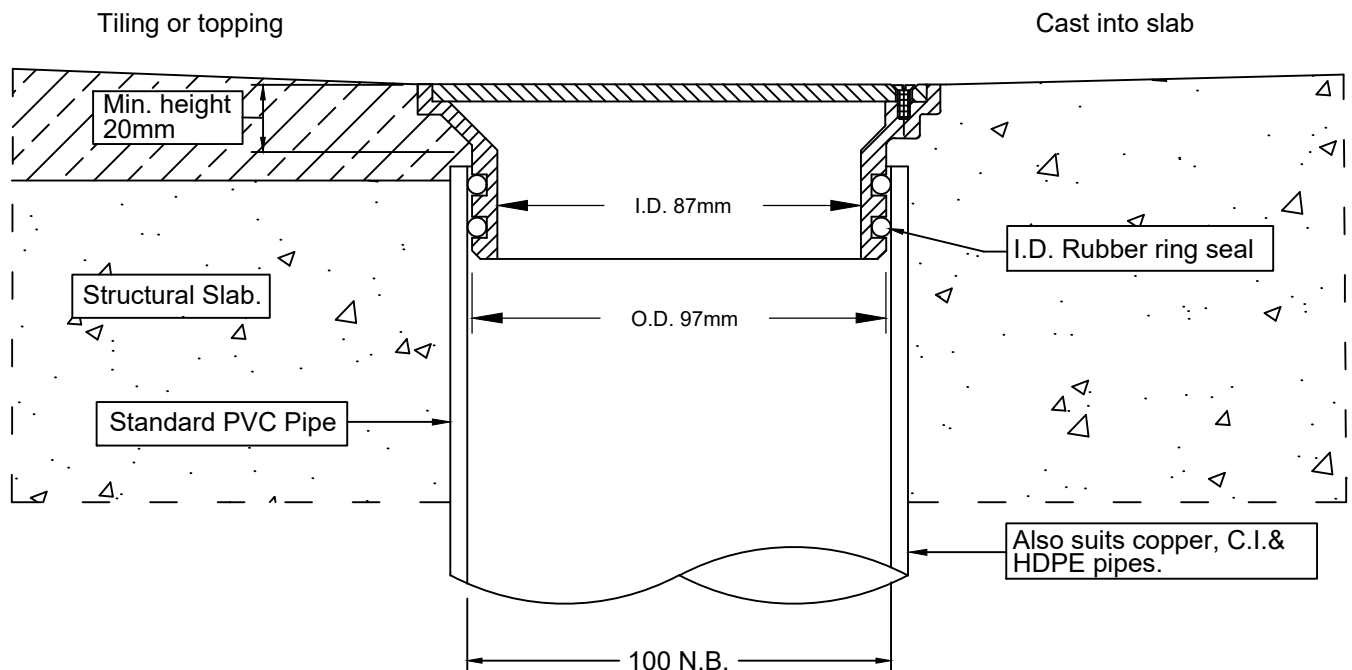
For security screws, use suffix /SEC



- Light-duty cleanout in cast 304 and 316 stainless steel.
- Gas-tight lid.
- Security screws also available.

⊕ — Optional tamper-proof screws (use suffix "/SEC")

Typical Application



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 80mm Push-in Sheet Vinyl Floor Cleanout

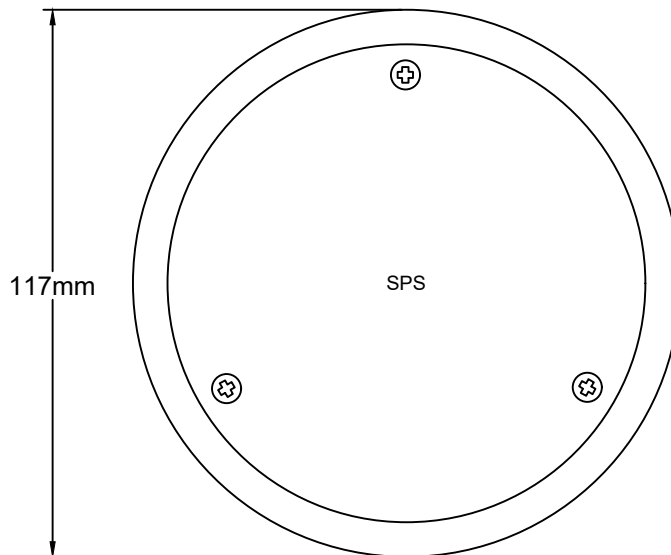
Specification codes:

VH80SPA (304 stainless steel ring & grate, ABS body)

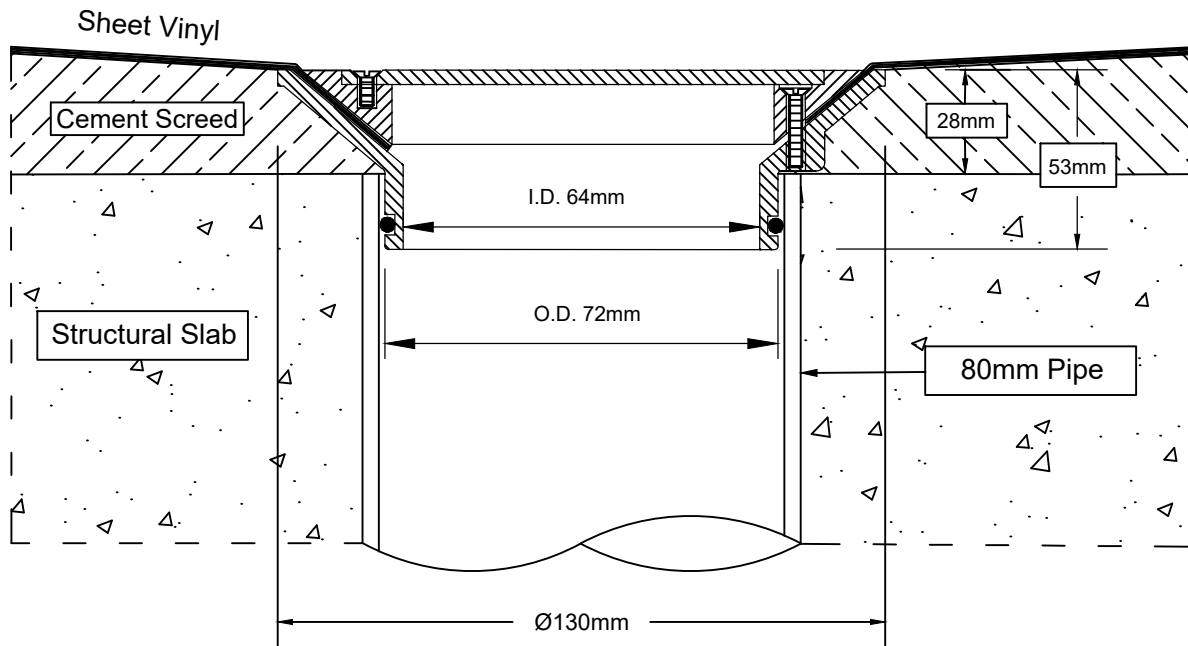
V80SPA (All-304 stainless steel assembly)

For bead-blast (slip resistant) finish, use suffix -N

- Push-in cleanout assembly for sheet vinyl flooring.
- Vinyl floor drain body available in ABS and 304. 316SS body available by special order.
- Ring & grate available in polished 304, which can be bead-blasted for slip-resistant finish.
- O-rings adapt outlet to 80mm PVC & copper pipe.



Typical Application



Speciality Plumbing Supplies Pty Ltd

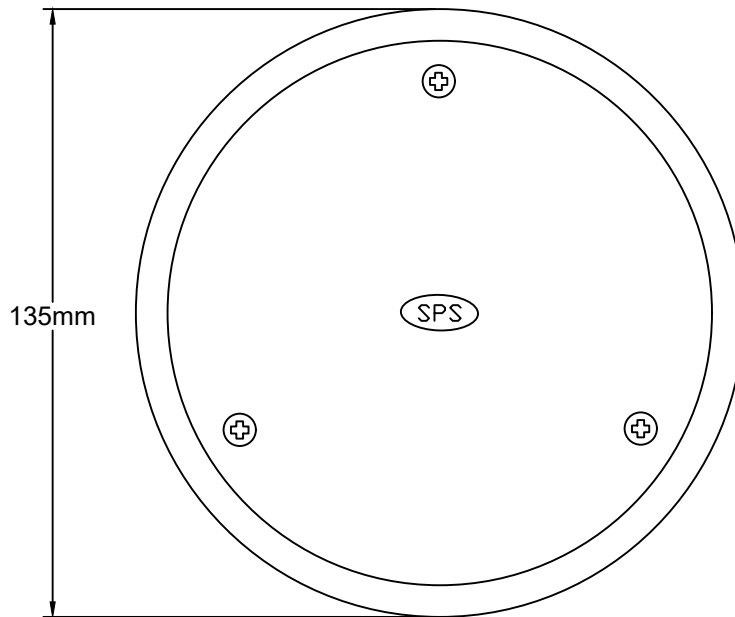
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 100mm Push-in Sheet Vinyl Floor Cleanout (New Compact Top Model)

Specification codes:

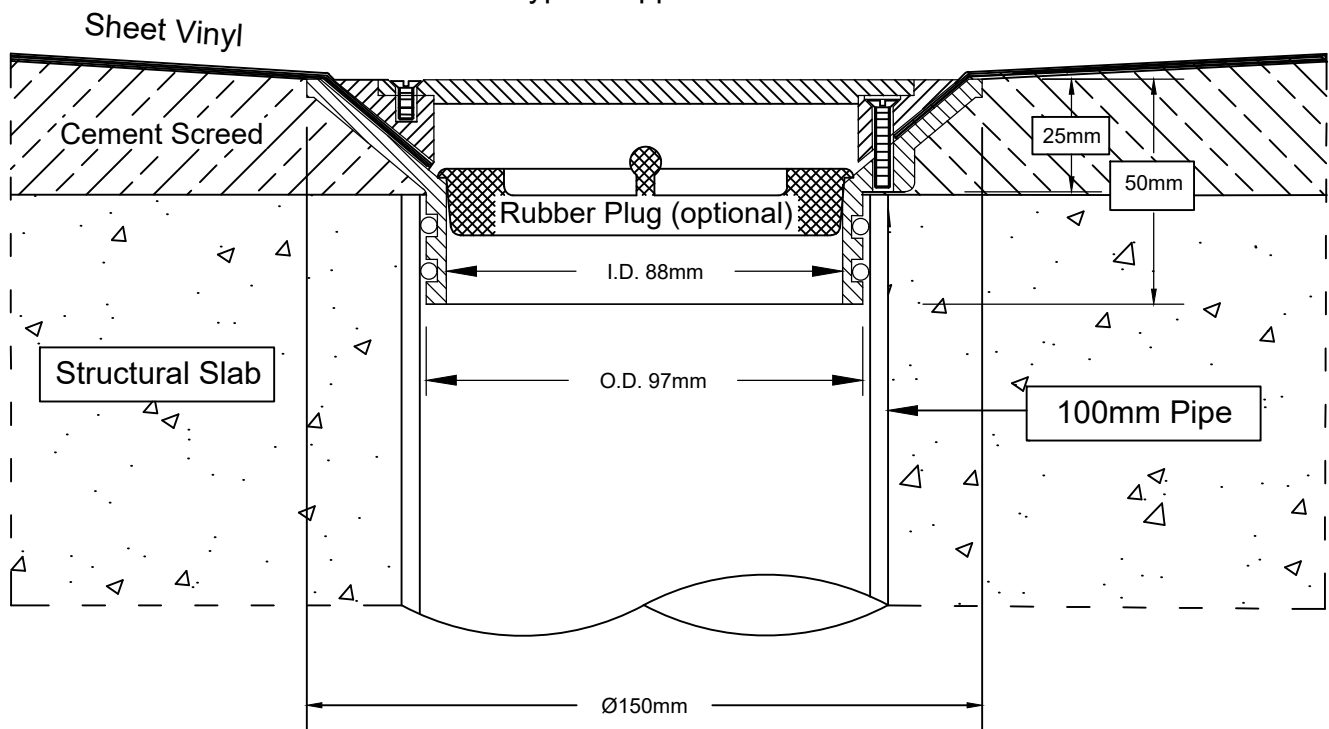
V100SPA (304SS body, polished 304 SS ring & lid)
 V100SPNA (304SS body, non-slip 304 SS ring & lid)
 For 316SS tops, add "6" to the above codes
 For ABS plastic body, use "VH" instead of "V"

- Push-in floor cleanout assembly for sheet vinyl flooring.
- Drain body available in 304 stainless steel - ABS and 316 stainless steel options.
- Vinyl clamp ring & lid available in polished and non-slip 304 stainless steel. 316 stainless steel non-stock option.
- O-rings adapt outlet to 100mm PVC, copper, HDPE and CI pipe.



⊗ — Optional security screws

Typical Application



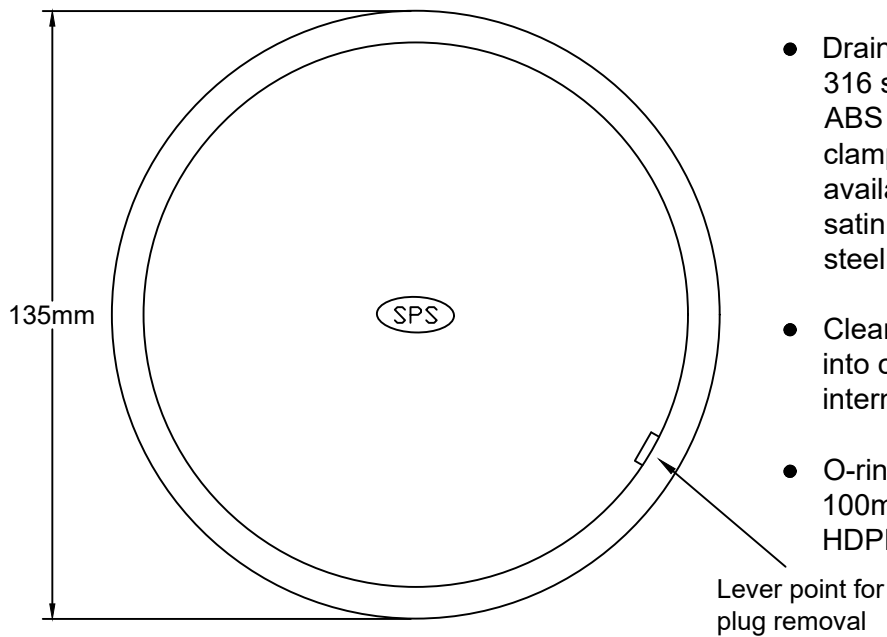
Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

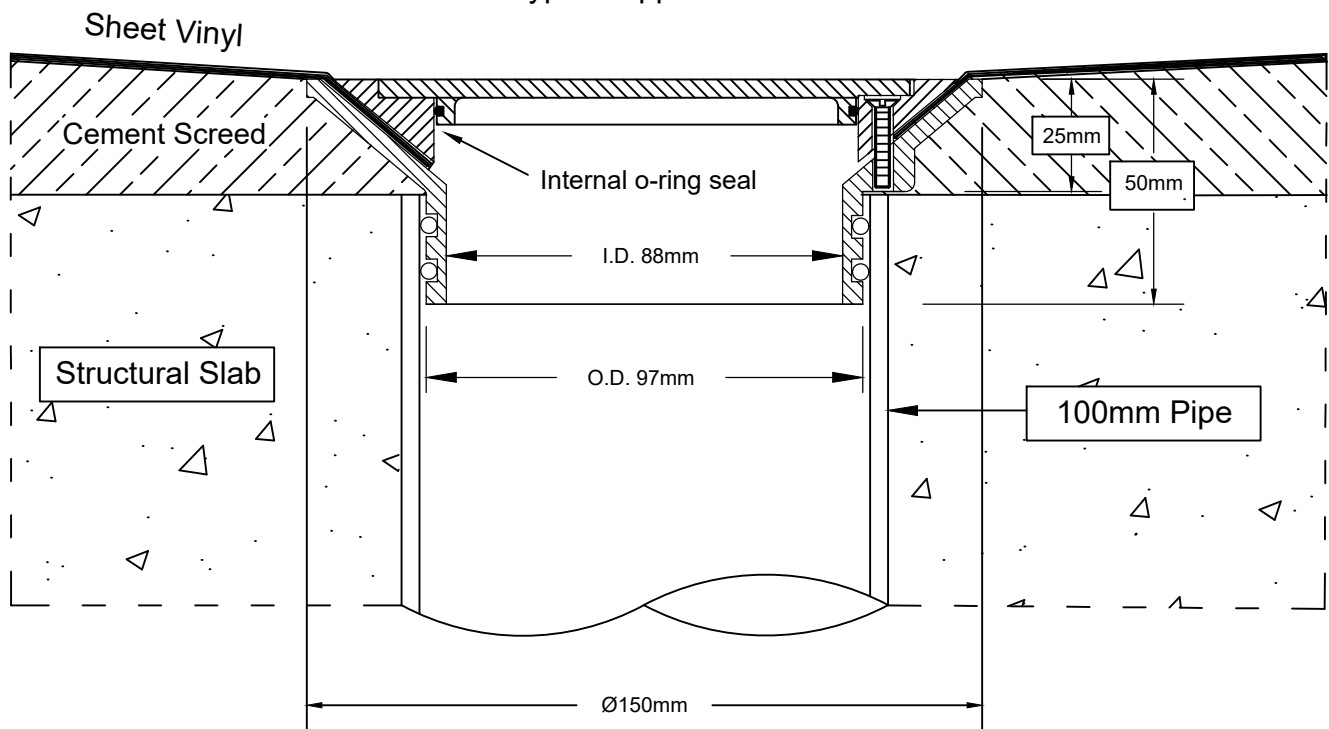
SPS 100mm Push-in Sheet Vinyl Floor Cleanout (special "plug insert" version)

Specification codes:
V100SP26A (316SS body, satin 316 SS ring & lid)
For ABS plastic body, use "VH" instead of "V"

- Removal of fixing screws for cleanliness in lab environments
- Push-in floor cleanout assembly for sheet vinyl flooring.
- Drain body available in 316 stainless steel or ABS plastic. Vinyl clamp ring & lid available in polished or satin 316 stainless steel.
- Cleanout insert seals into clamp ring with internal o-ring seal.
- O-rings adapt spigot to 100mm PVC, copper, HDPE and CI pipe.



Typical Application



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 130mm Round Vari-Level Cleanout

100mm Outlet

Specification codes:

R130SC/Q (316 SS cleanout, Q100Y retro-fit lower body)

R130SC/C (316 SS grate, C100A CI "deluxe" lower body)

For non-slip finish, add suffix "N" eg "R130SPN/C"

- Light-duty cleanout assembly made from 316 stainless steel. 304 stainless steel non-stock option.

- Satin finish standard with optional special non-slip finish (concentric ridges).

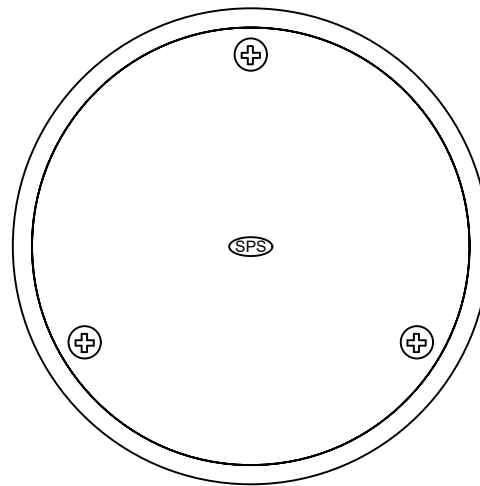
C100A CI "deluxe" lower

- body with reversible clamp collar (pictured).

Optional Q100Y CI

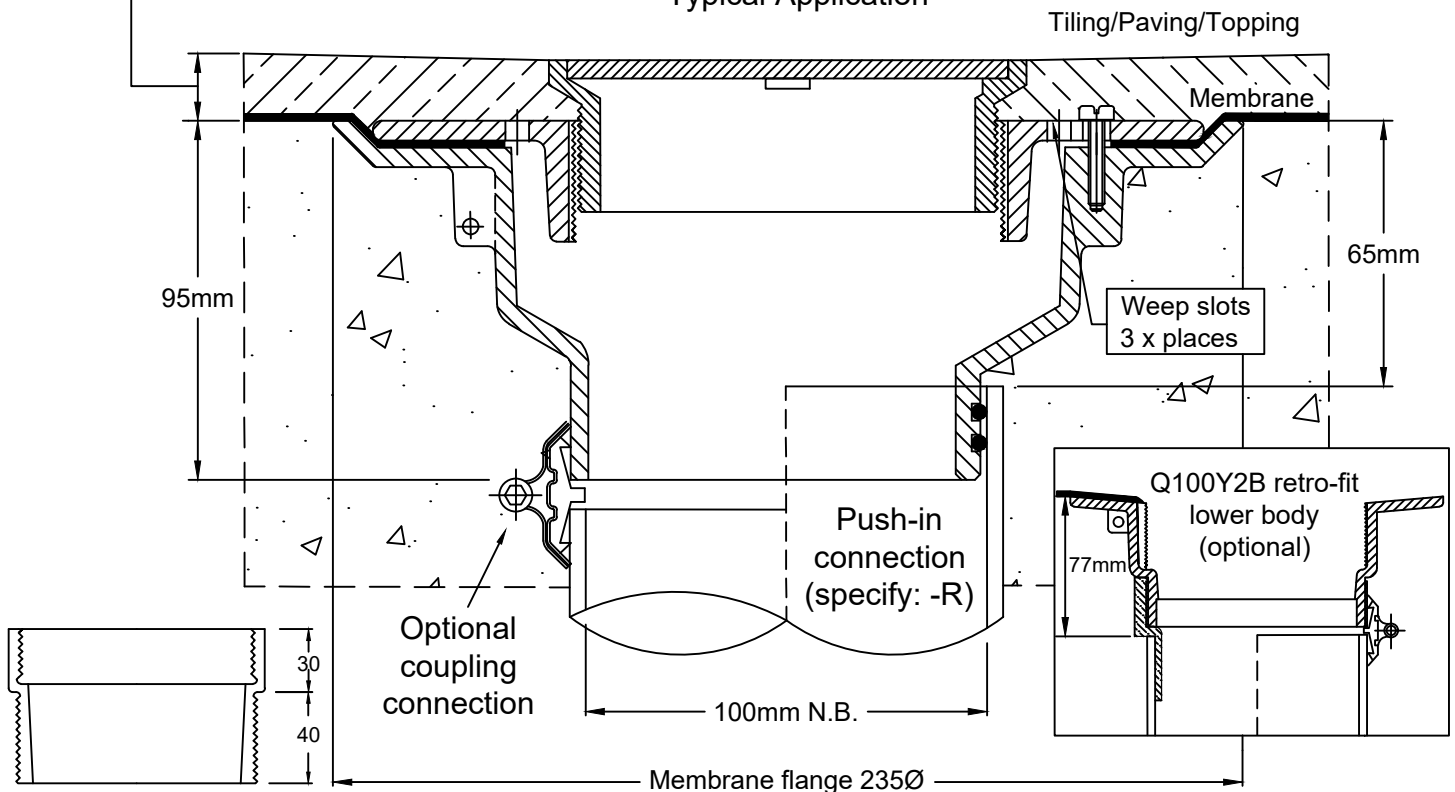
- retro-fit lower body fits inside 150mmØ core hole.

130mm
Round



Height adjustment:
Min. 20mm
Max. 50mm**

Typical Application



**Optional Extension Piece

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Round Vari-Level Cleanout

100mm Outlet

Specification codes:

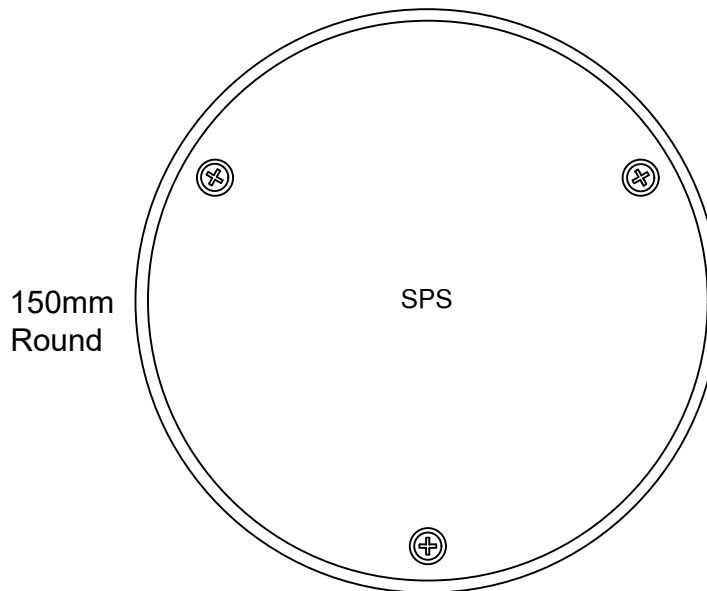
R150SC/Q (304 SS cleanout, Q100Y retro-fit lower body)

R150SC/C (304 SS grate, C100A CI "deluxe" lower body)

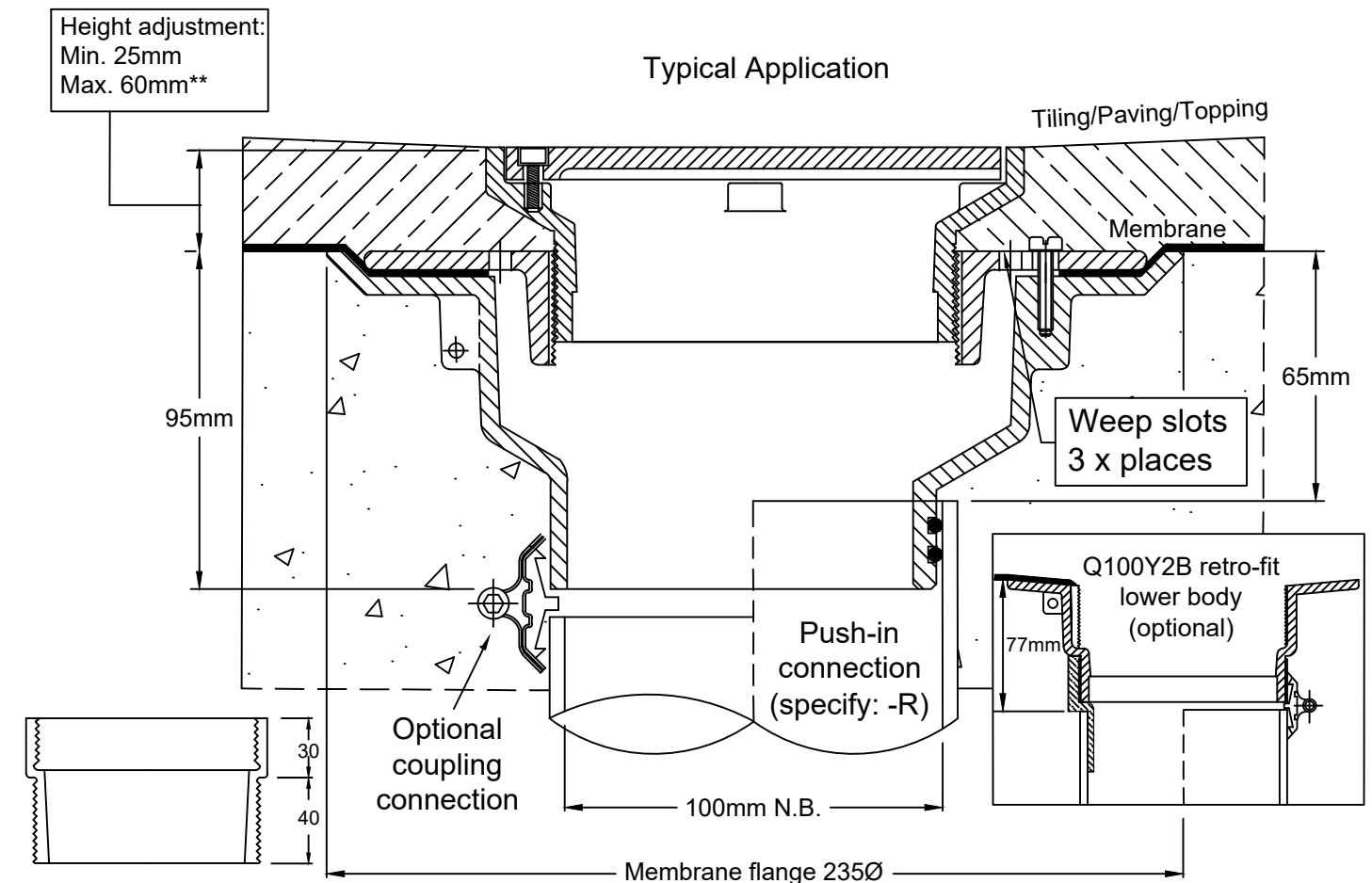
For non-slip finish*, add suffix "N" eg "R150SPN/C"

*316SS and non-slip finish both available by special order

- Cleanout assembly made from 304 stainless steel. 316 stainless steel non-stock option.
- Satin finish standard with optional non-slip finish (concentric ridges).
- C100A CI "deluxe" lower body with reversible clamp collar (pictured).
- Optional CI retro-fit lower body fits inside 150mmØ core hole.



Typical Application



**Optional Extension Piece

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 100mm Ultra Compact Vari-Level Sheet Vinyl Floor Cleanout - Ø125mm Inlet

Specification codes:

LG810SP4/C (304 SS vinyl floor cleanout, CI lower body)

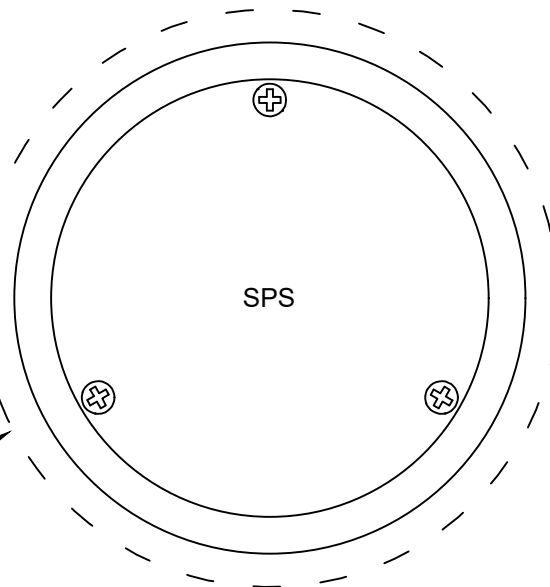
LG810SP6/C (316 SS top, 304 SS drain body, CI lower body)

* for retro-fit body use "/Q" instead of "/C"

- Height-adjustable vinyl floor cleanout assembly.
- Vinyl floor body available in 304 stainless steel; 316 stainless steel available by special order.
- Ring & cover available in polished 304 stainless steel; 316 stainless steel available by special order.
- C100A CI "deluxe" lower body with reversible clamping collar ("/C").
- Q100Y optional CI retro fit lower body fits inside 150mmØ core hole ("/Q").

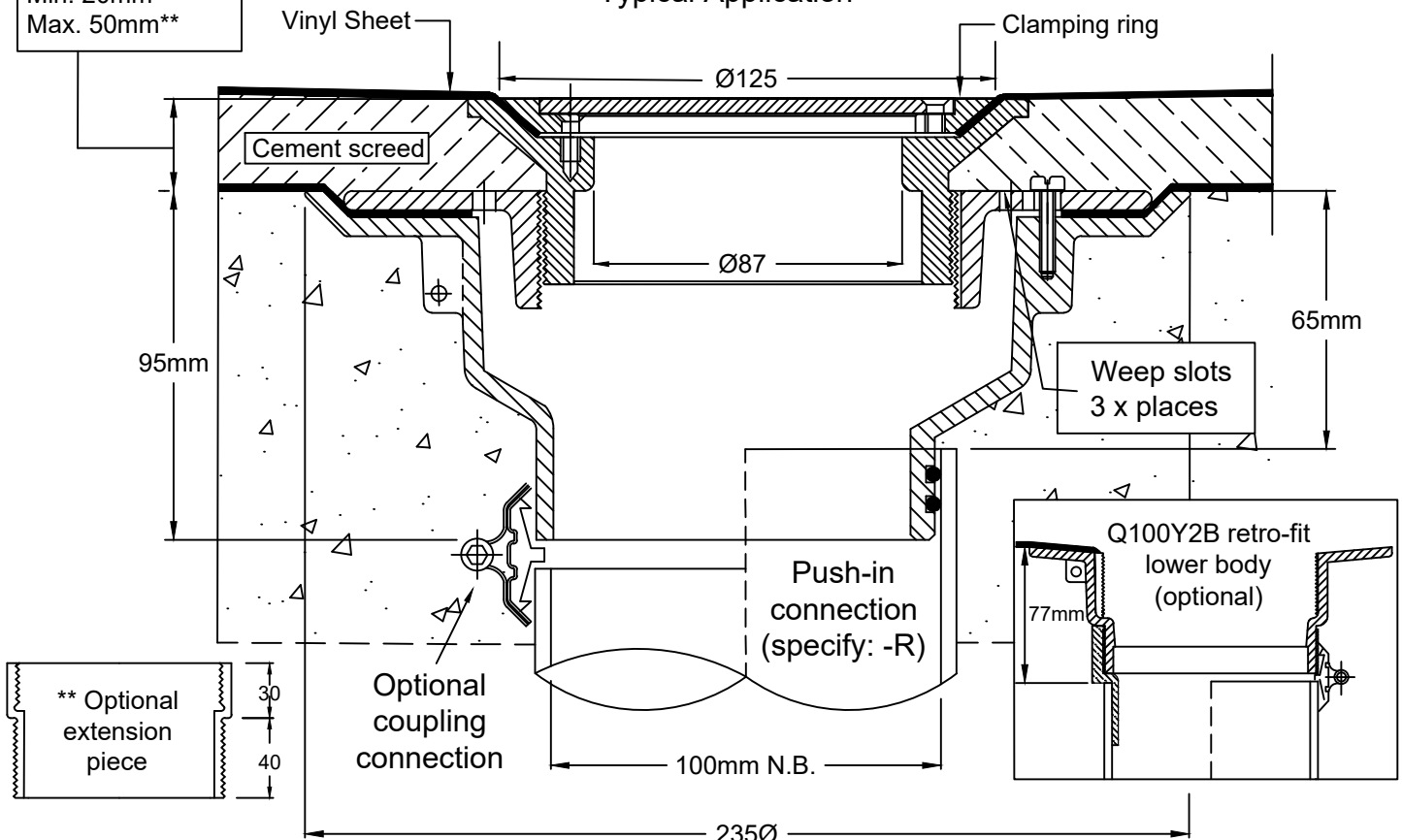
Ultra-compact:
Vinyl Clamp
OD 125mm

Drain body OD
142mm



Height adjustment:
Min. 20mm
Max. 50mm**

Typical Application



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 155mm Round Sheet Vinyl Floor Cleanout (Vari-Level)

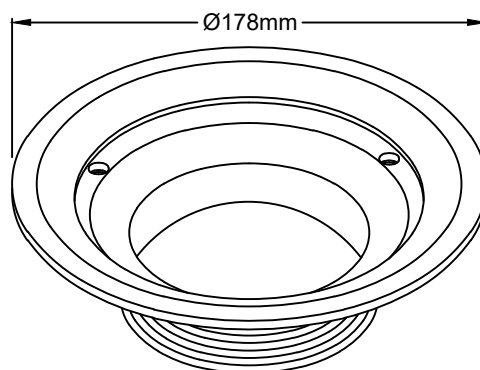
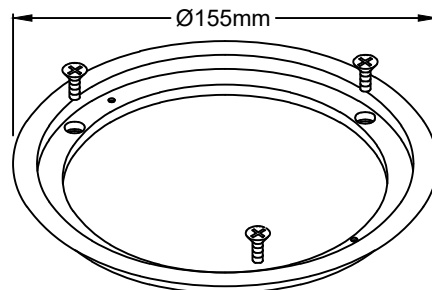
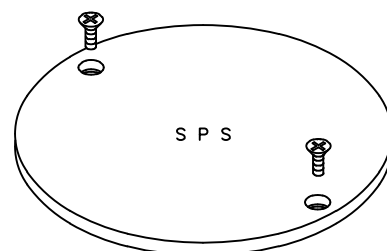
Specification codes:

LG100SP4/C (Polished 304SS top & drain body, CI lower body)

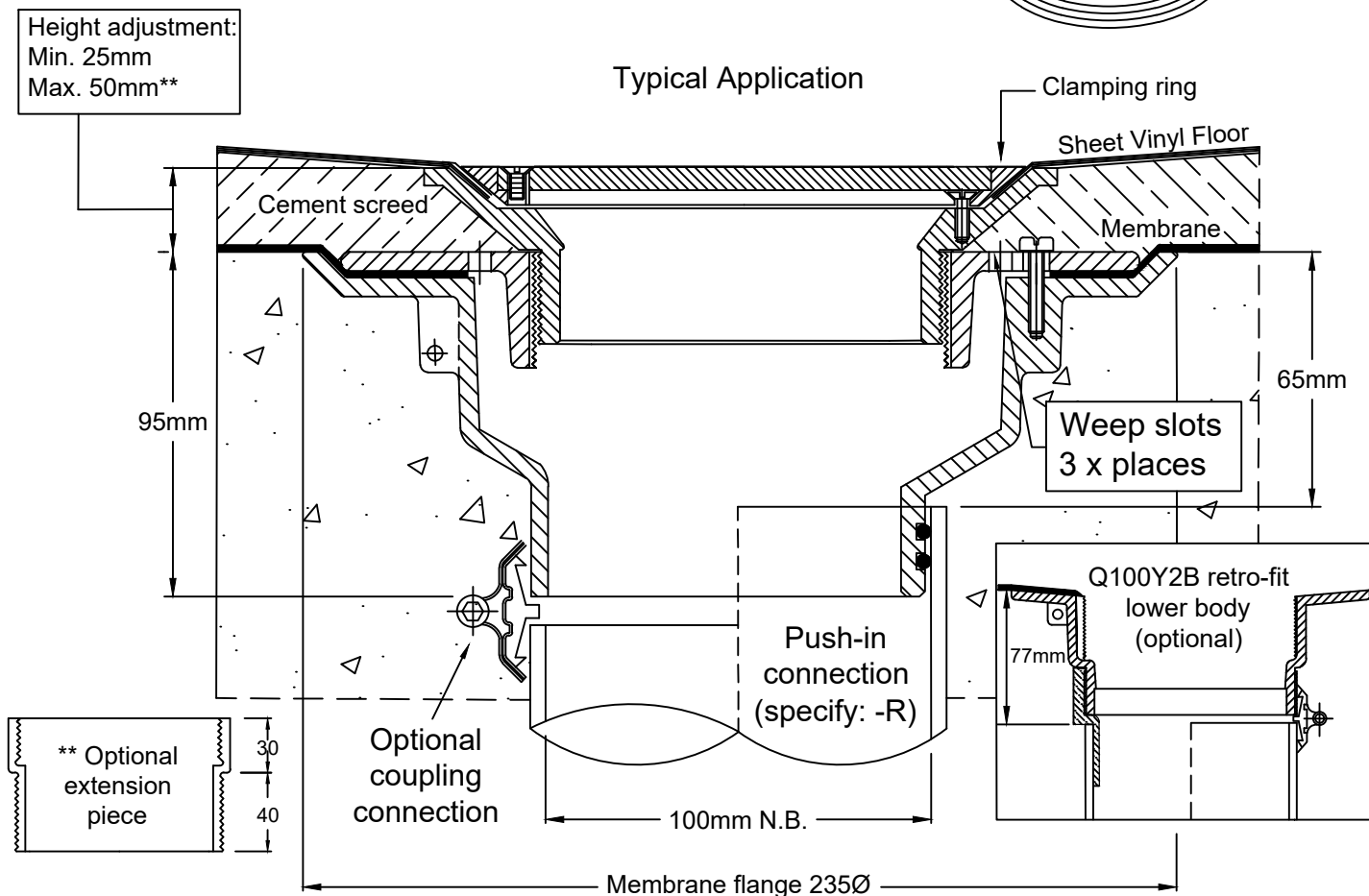
LG100SP6/C (Satin 316SS top, 304SS drain body, CI lower body)

For retro-fit body use suffix "/Q"

- Height-adjustable vinyl floor cleanout assembly.
- Drain body available in 304 stainless steel. 316 stainless steel available by special order.
- Top available in polished 304 stainless steel. Satin 316 stainless steel available by special order.
- C100A CI "deluxe" lower body with reversible clamping collar ("C").
- Optional CI retro fit lower body fits inside 150mmØ core hole ("/Q").



Typical Application



Speciality Plumbing Supplies Pty Ltd

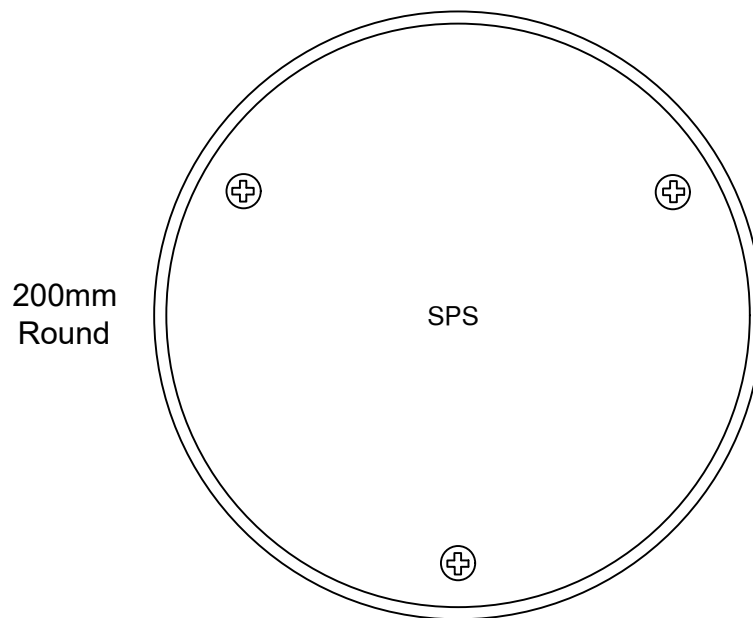
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 200mm Round Push-in Cleanout (150mm outlet)

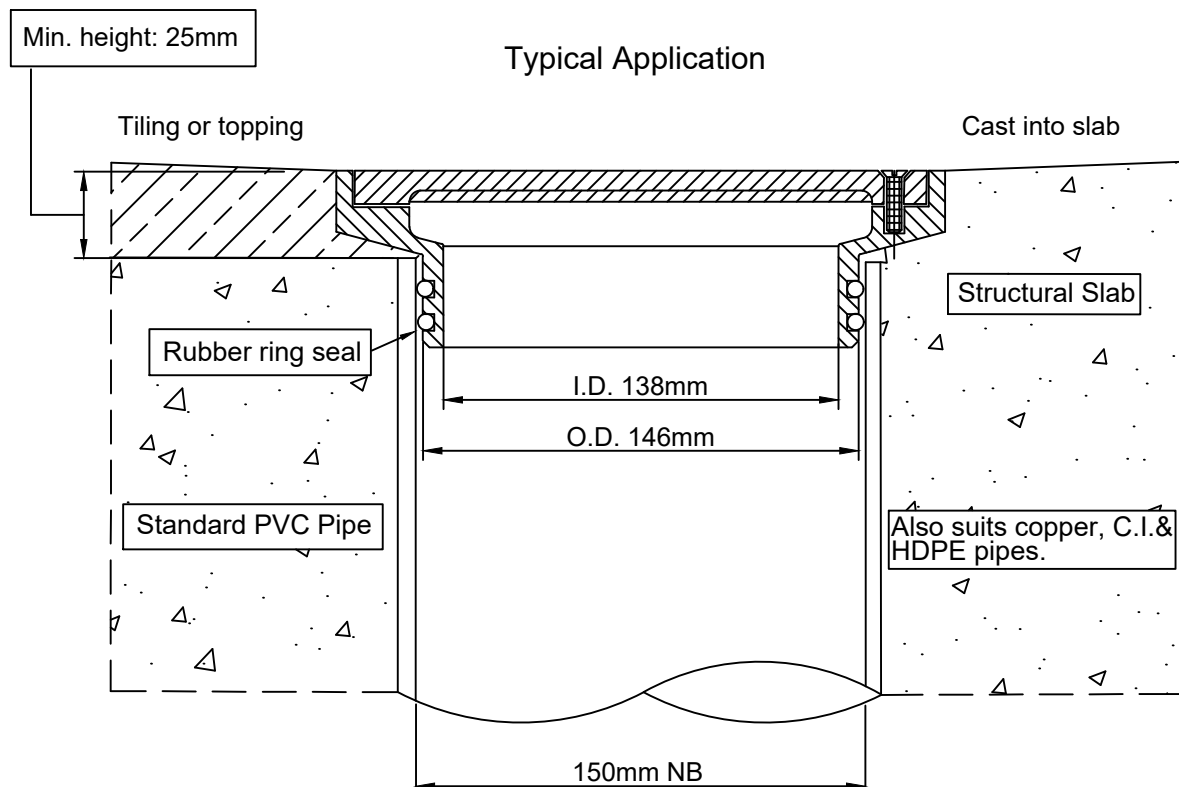
Specification codes:

R200/150SCR4 (Polished 304 stainless steel)
R200/150SCR (Satin 316 stainless steel) *SPECIAL*
R200/150SCRN (Non-slip 316 stainless steel)

- Heavy-duty cleanout in cast 304SS and non-slip 316SS. Satin 316SS available by special order.
- Security screws also available.



⊕ — Optional security screws (use suffix "/SEC")



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

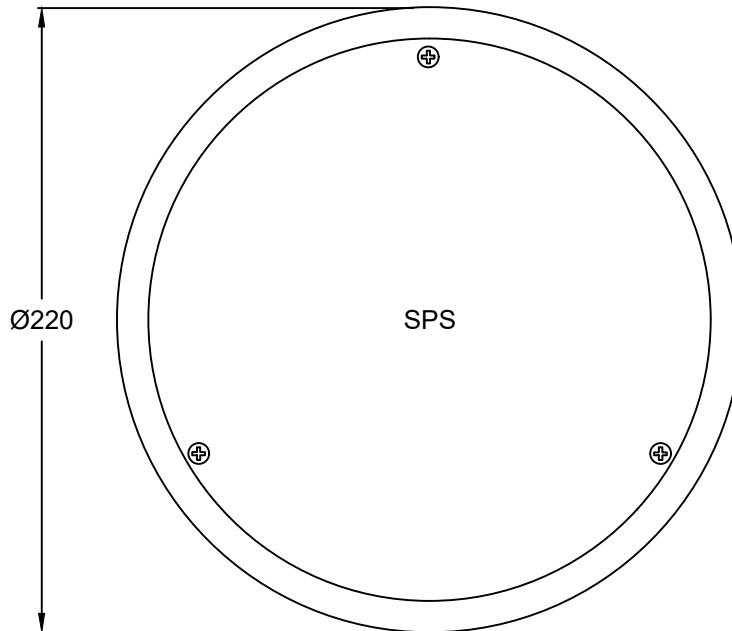
SPS 220mm Sheet Vinyl Floor Cleanout (150mm Push-in)

Specification codes:

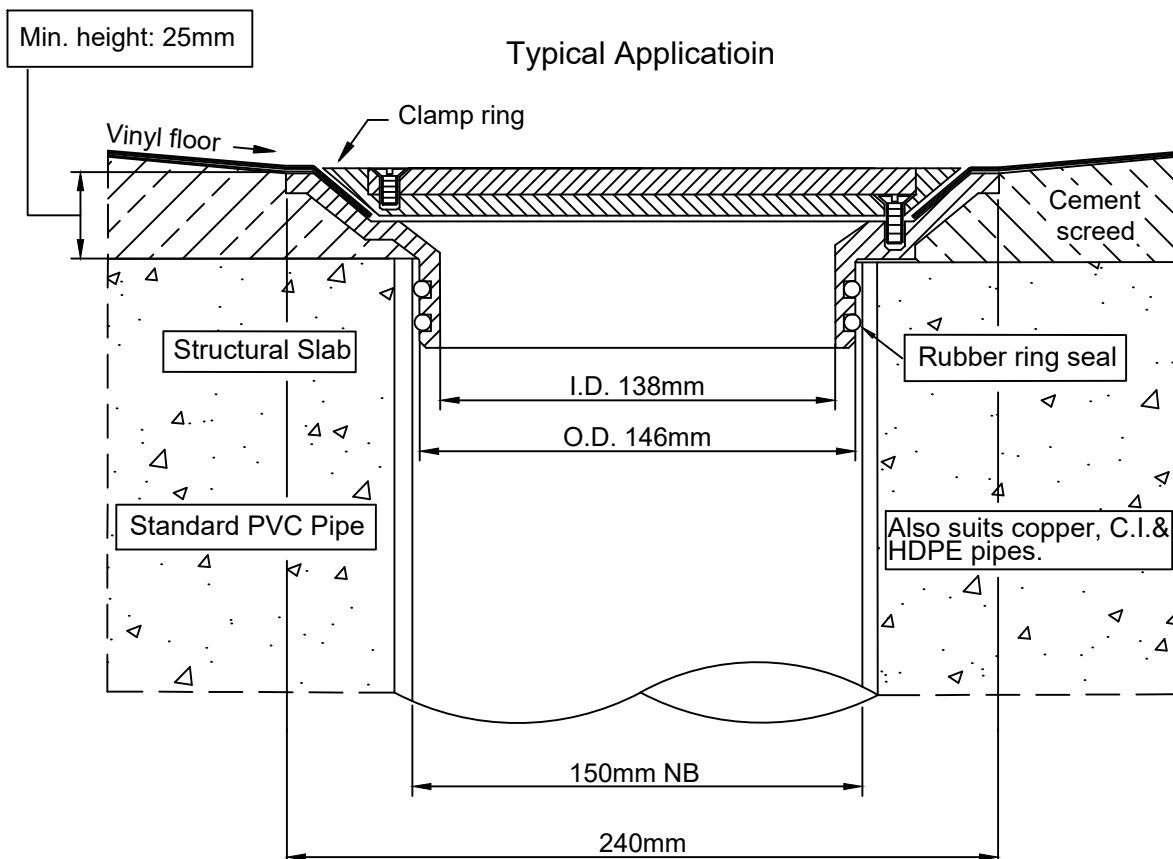
LG150SPA (Polished 304 stainless steel top)

LG150SPNA (Non-slip 304 stainless steel top)

For 316 stainless steel, add "6" eg "LG150SPNA6"



- Push-in floor cleanout assembly for sheet vinyl.
- Drain body available in 304 stainless steel; 316 stainless steel non-stock option.
- Lid available in polished or non-slip 304 stainless steel. 316 stainless steel non-stock option.



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9419 0108 E-mail: info@spsdrains.com.au

SPS 220/150mm Sheet Vinyl Floor Cleanout (Vari-Level)

Specification codes:

LG150SP/C150 (Polished 304 Stainless steel)

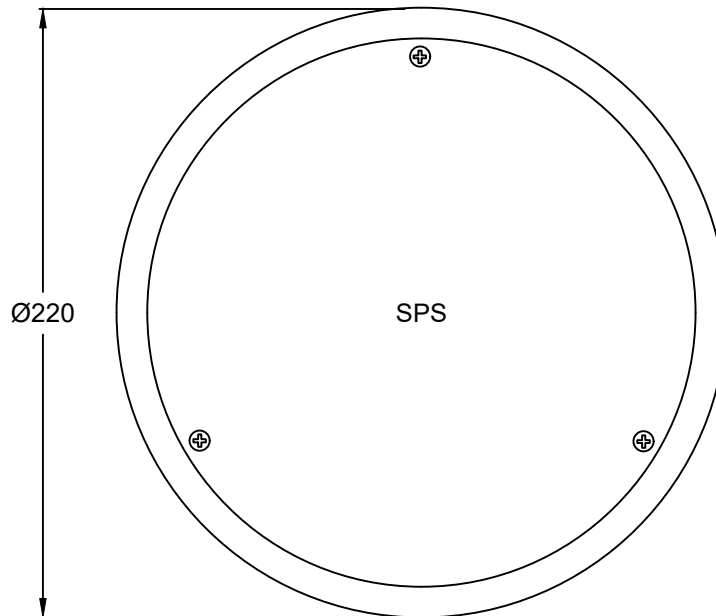
LG150SPN/C150 (Non-slip 304 stainless steel)

- includes cast iron "Truflo" lower body assembly

* for 316 stainless steel use suffix "6" eg "LG150SP6/C150"

* for 100mm outlet, use suffix "C100" instead of "C150"

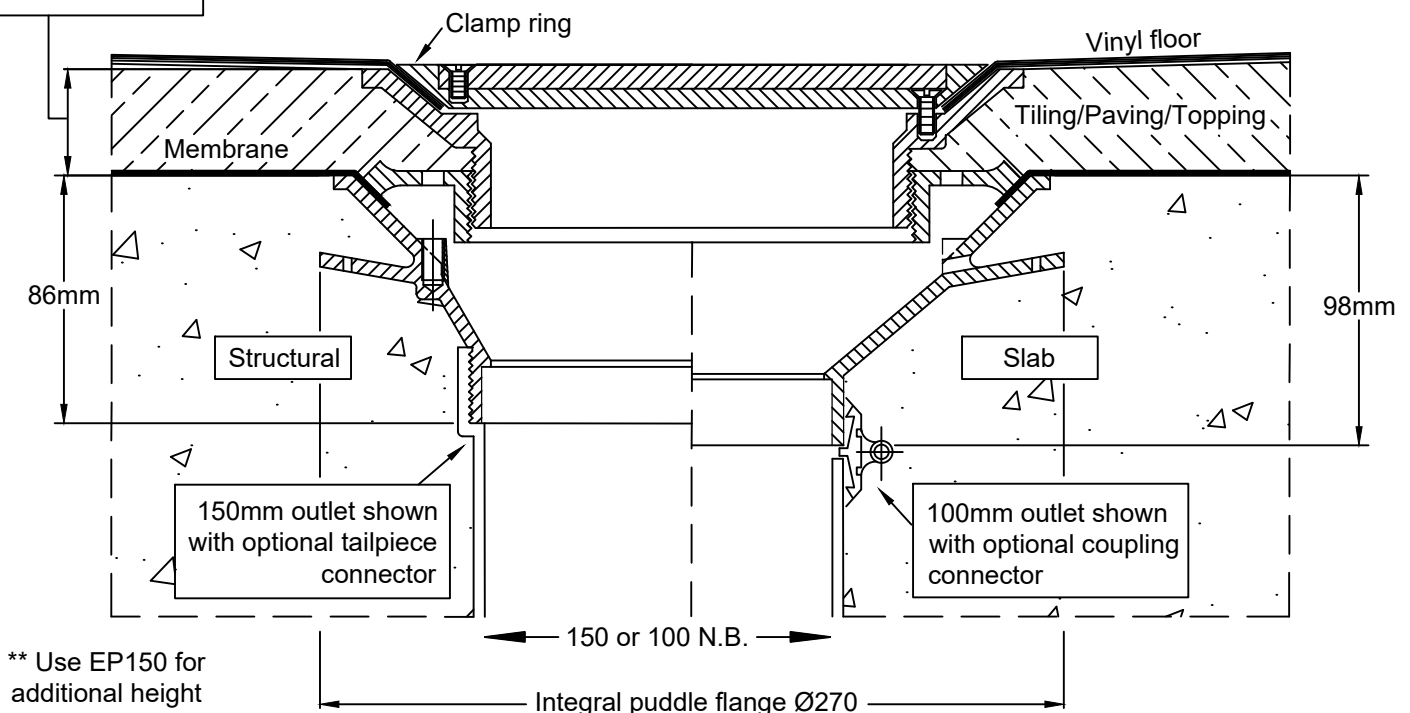
150mm Outlet or 100mm Outlet



- Height-adjustable vinyl floor cleanout assembly.
- Drain body available in 304 stainless steel. 316 stainless steel available by special order.
- Lid available in polished or non-slip 304 stainless steel. 316 stainless steel available by special order.
- 150 or 100mm "Truflo" CI lower body with 150mm clamp collar.

Height adjustment:
Min. 28mm
Max. 72mm**

Typical Application



Speciality Plumbing Supplies Pty Ltd

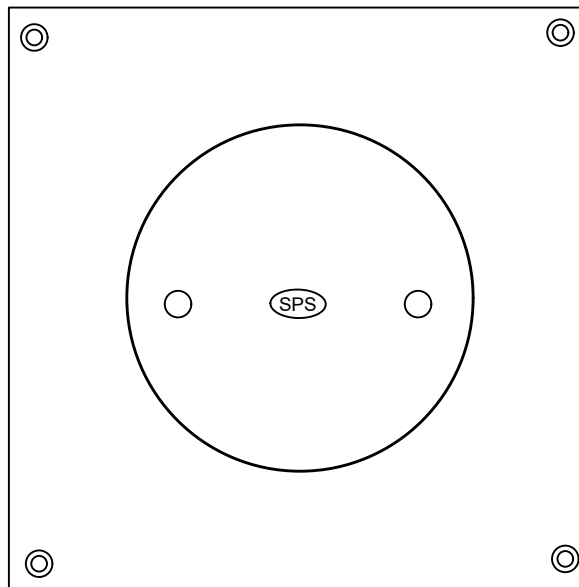
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Square Special Trap Screw

100mm Outlet

Specification code:
Q150IOS (304 stainless steel - slip resistant finish)

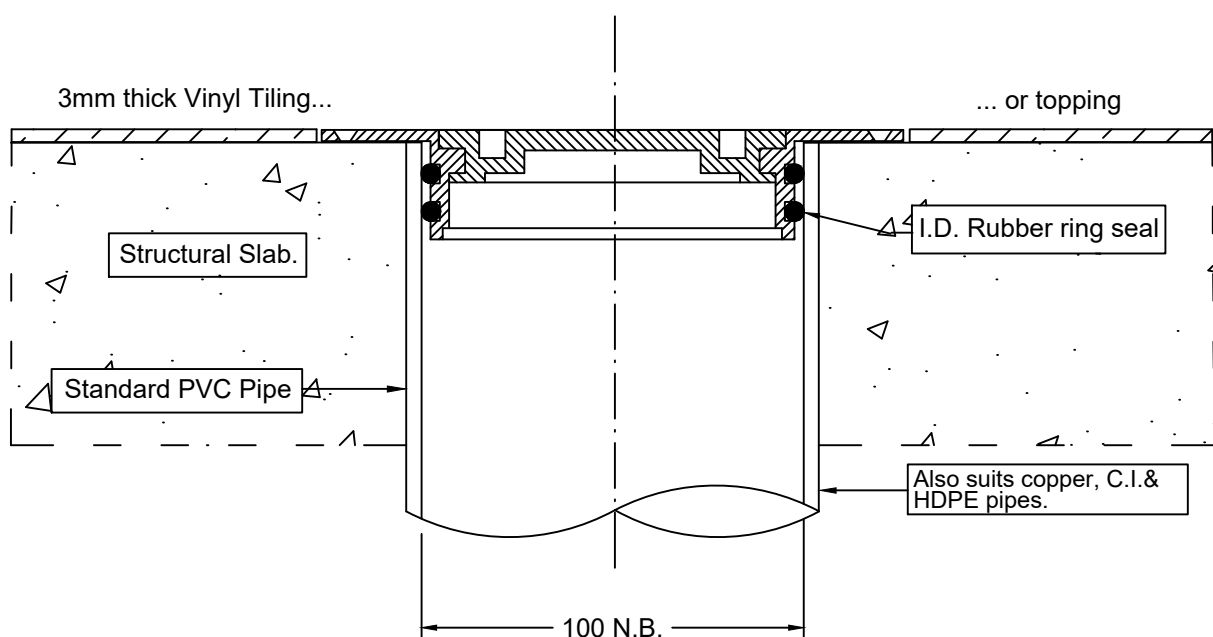
150mm
Square



- Push-in trap screw / inspection opening available in 304 stainless steel. 316 stainless steel non-stock option.
- 3mm thick plate compatible with 3mm vinyl tiling commonly used in supermarkets.

4 x countersunk holes as standard

Typical Application



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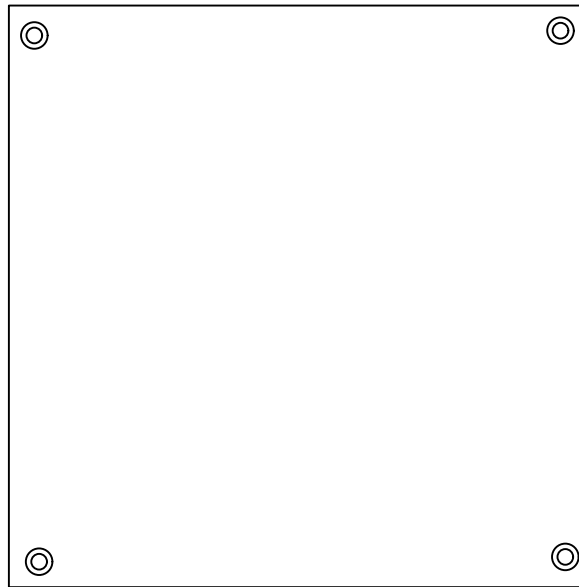
SPS 150mm & 200mm Square Inspection Cover

Specification code:

IO150S (304 stainless steel)

IO200S (304 stainless steel)

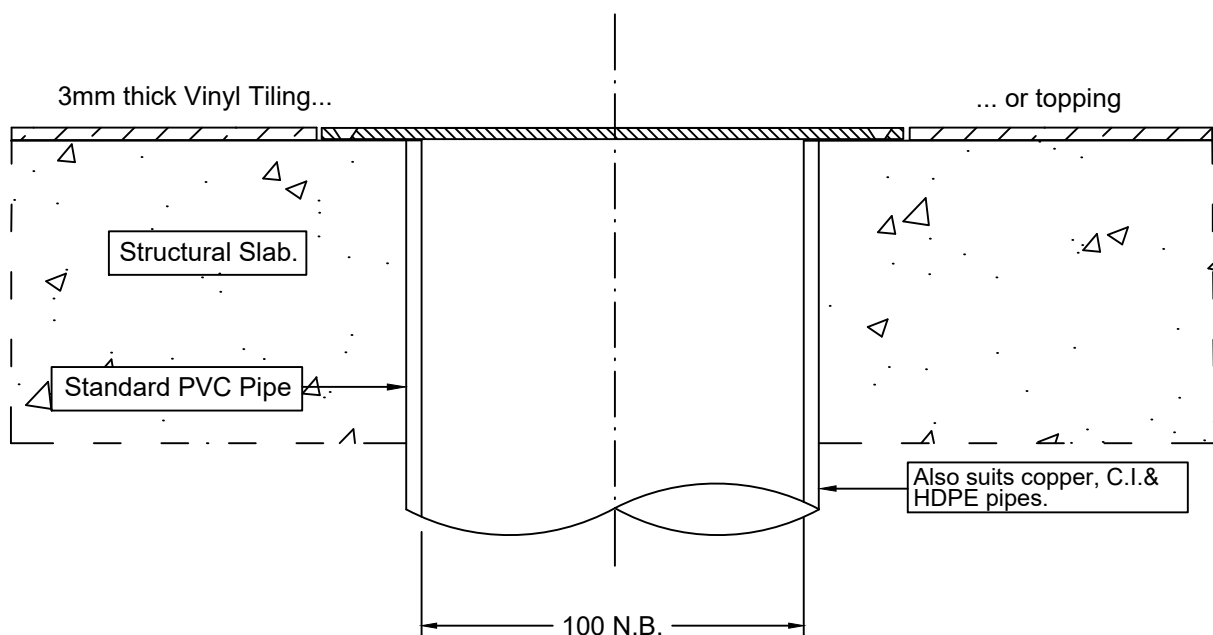
150mm
or
200mm
Square



- Inspection opening cover available in 304 stainless steel. 316 stainless steel non-stock option.
- 3mm thick plate compatible with 3mm vinyl tiling commonly used in supermarkets.

4 x countersunk holes as standard

Typical Application



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SECTION 8

Security Floor Drains

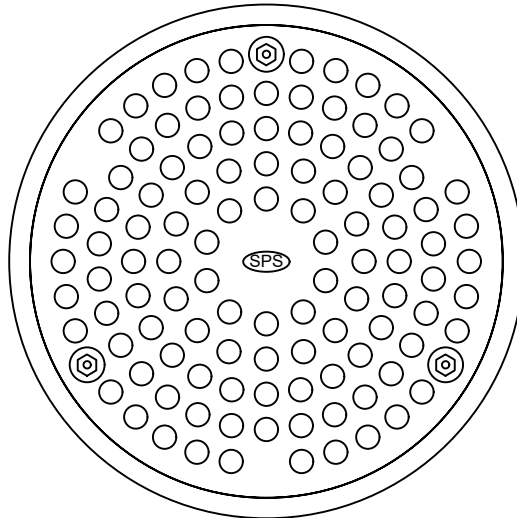
		<u>To suit pipe size (mm):</u>
8.01	130mm Round - Push-in	100
8.02	150mm Round - Push-in	100
8.03	135mm Vinyl - Push-in	100
8.04	130mm Round - Vari-level	100
8.05	150mm Round - Vari-level	100
8.06	155mm Vinyl - Push-in	100
8.07	120mm Round - Vari-level - Anti-ligature	100
8.08	120mm Round - Vari-level - 90° Outlet - Anti-ligature	50 / 65
8.09	125mm Vinyl - Vari-level - Anti-ligature	100
8.10	125mm Vinyl - Vari-level - 90° Outlet - Anti-ligature	50 / 65
8.11	125mm Vinyl - Integral Puddle Flange - Anti-ligature	100

SPS 130mm Round Push-in Prison Drain

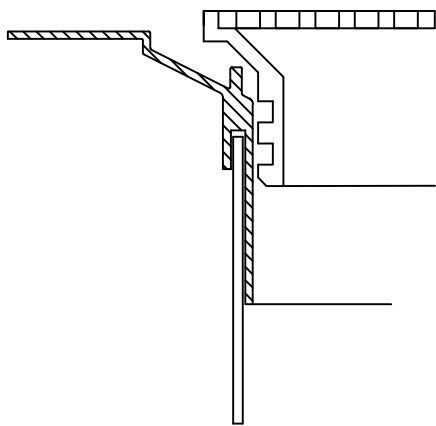
100mm Outlet

Specification code:
R130SHR4 (satin 304 stainless steel)
316SS available by special order

- Floor waste includes security screws and 6mm holes for improved tamper-resistance.
- Grate assembly available in 304 stainless steel. 316 stainless steel available by special order.
- Pushes into 100mm PVC, copper, HDPE or cast iron.

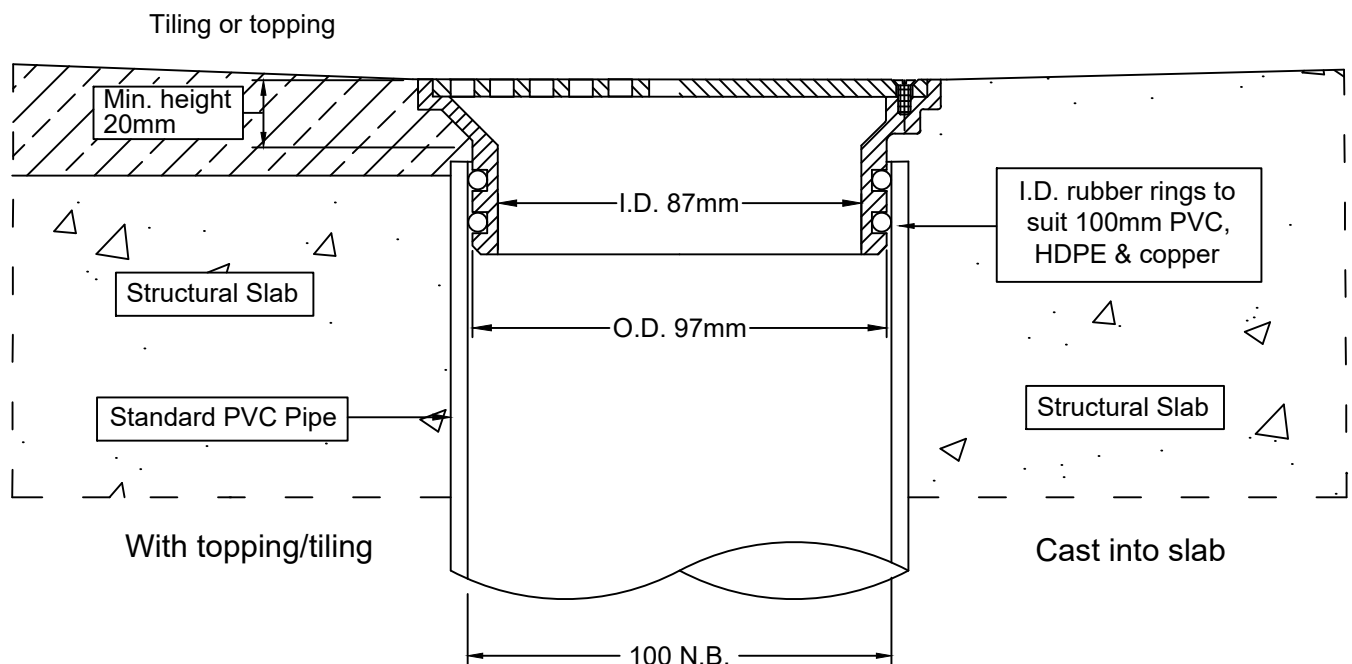


130mm round grate with 6mm holes and "hex-head" or "torx" security screws



Installation with puddle flange

Typical Applications



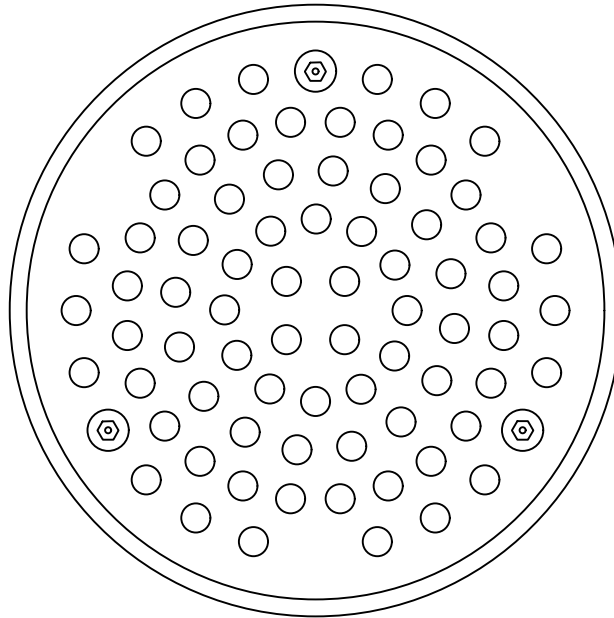
Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Round Prison / Safe Cell Drain (100mm Push-in)

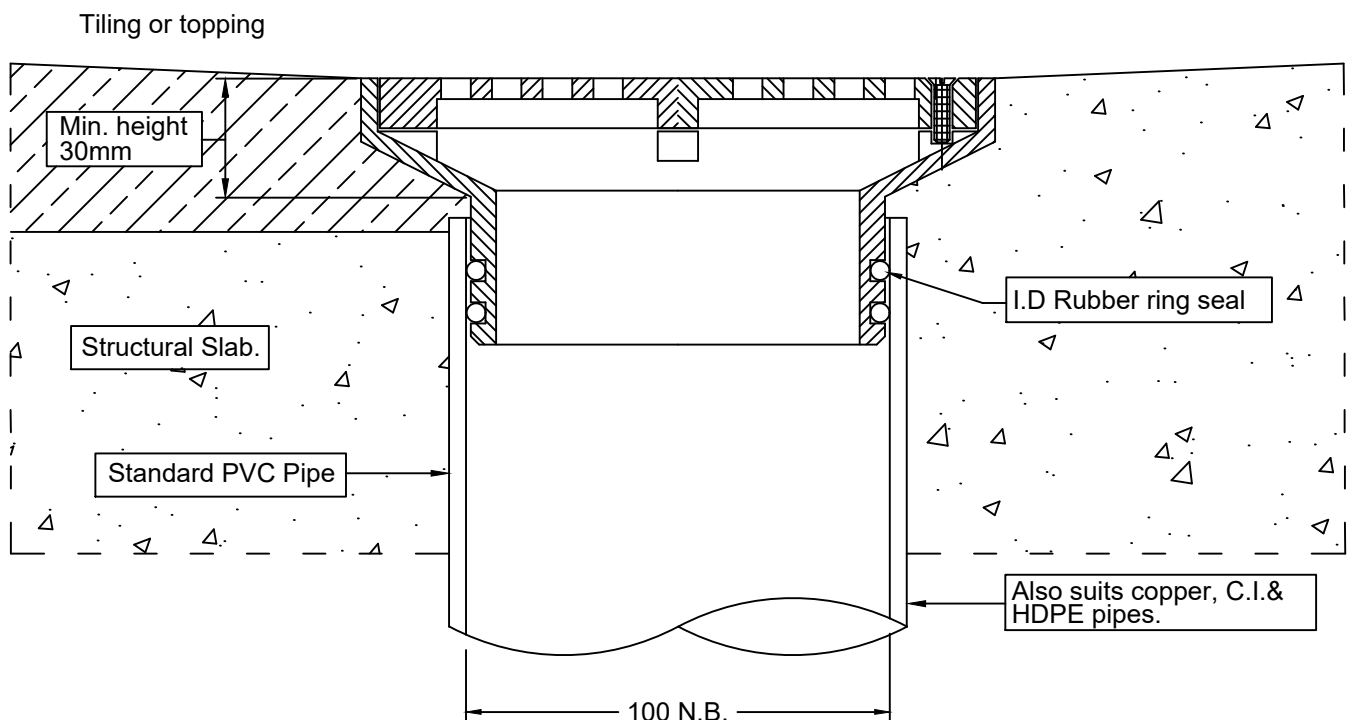
Specification code:
R150SHR4 (satin 304 stainless steel)

150mm round
grate with 6mm
holes and
"hex-head" or
"torx" security
screws



- Floor waste includes special tamper-resistant features for prisons and safe cells.
- Grate assembly available in 304 stainless steel.
- Pushes into 100mm PVC, copper, HDPE or cast iron.

Typical Application



Speciality Plumbing Supplies Pty Ltd

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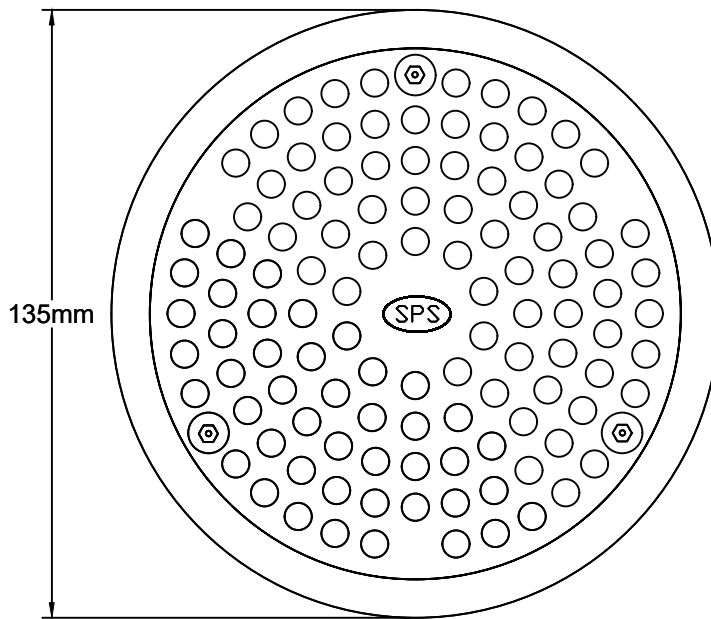
SPS 100mm Push-in Sheet Vinyl Floor Waste (Compact Security/Prison Model)

Specification codes:

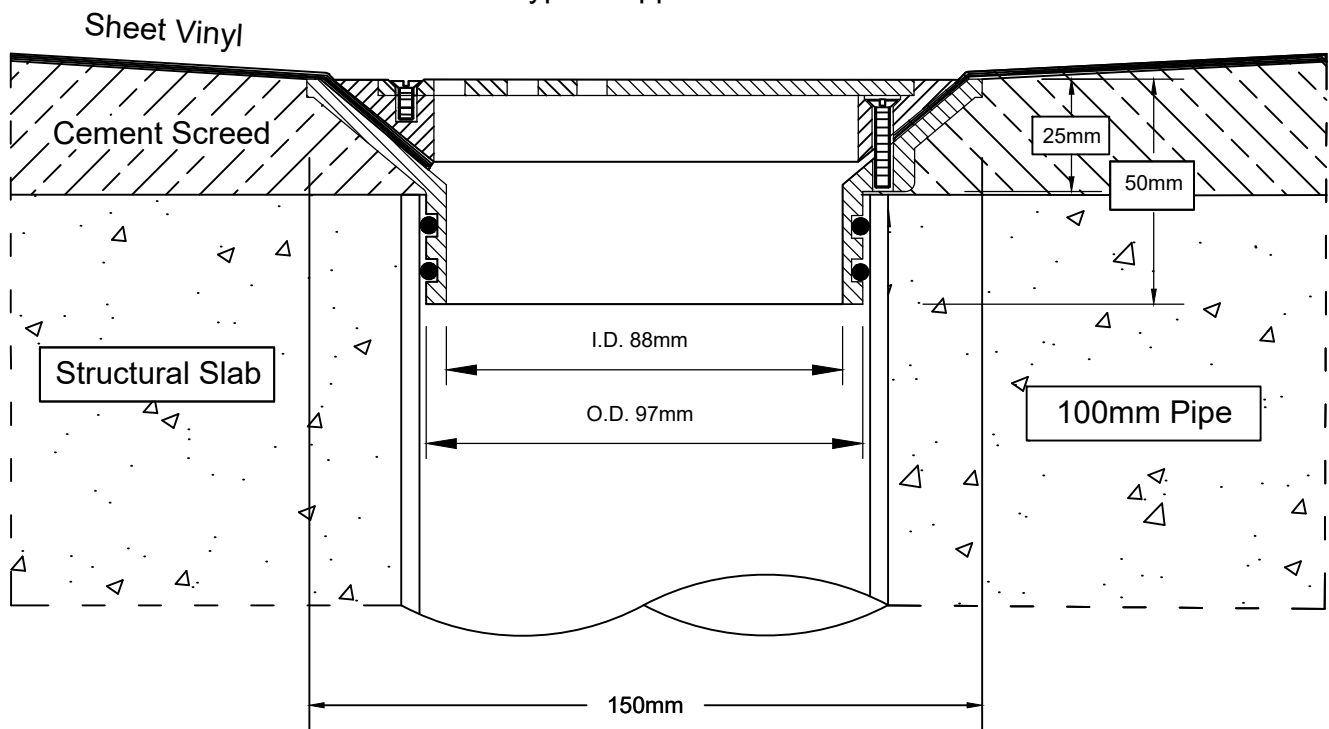
VH100SHA (ABS body, 304 stainless steel top)

V100SSHA4 (Assembly in 304 stainless steel)

- Push-in floor waste assembly for sheet vinyl flooring.
- Grate features security screws and 5mm holes.
- O-rings adapt spigot to 100mm PVC, copper, HDPE and CI pipe.



Typical Application



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 130mm Round Prison / Safe Cell Drain (Vari-Level)

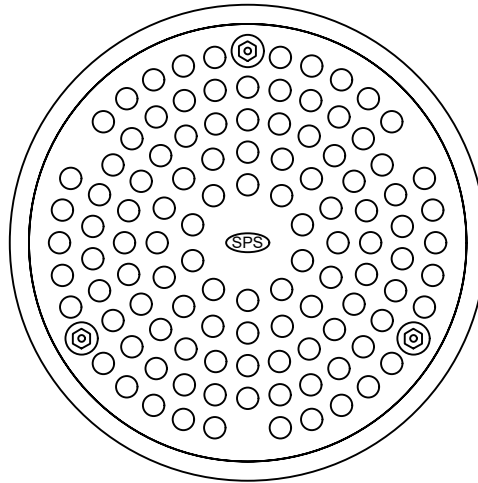
Specification codes:

R130SH4/E (304SS grate with PVC adapter *not shown*)

R130SH/Q (304SS grate, Q100Y2B retro-fit lower body)

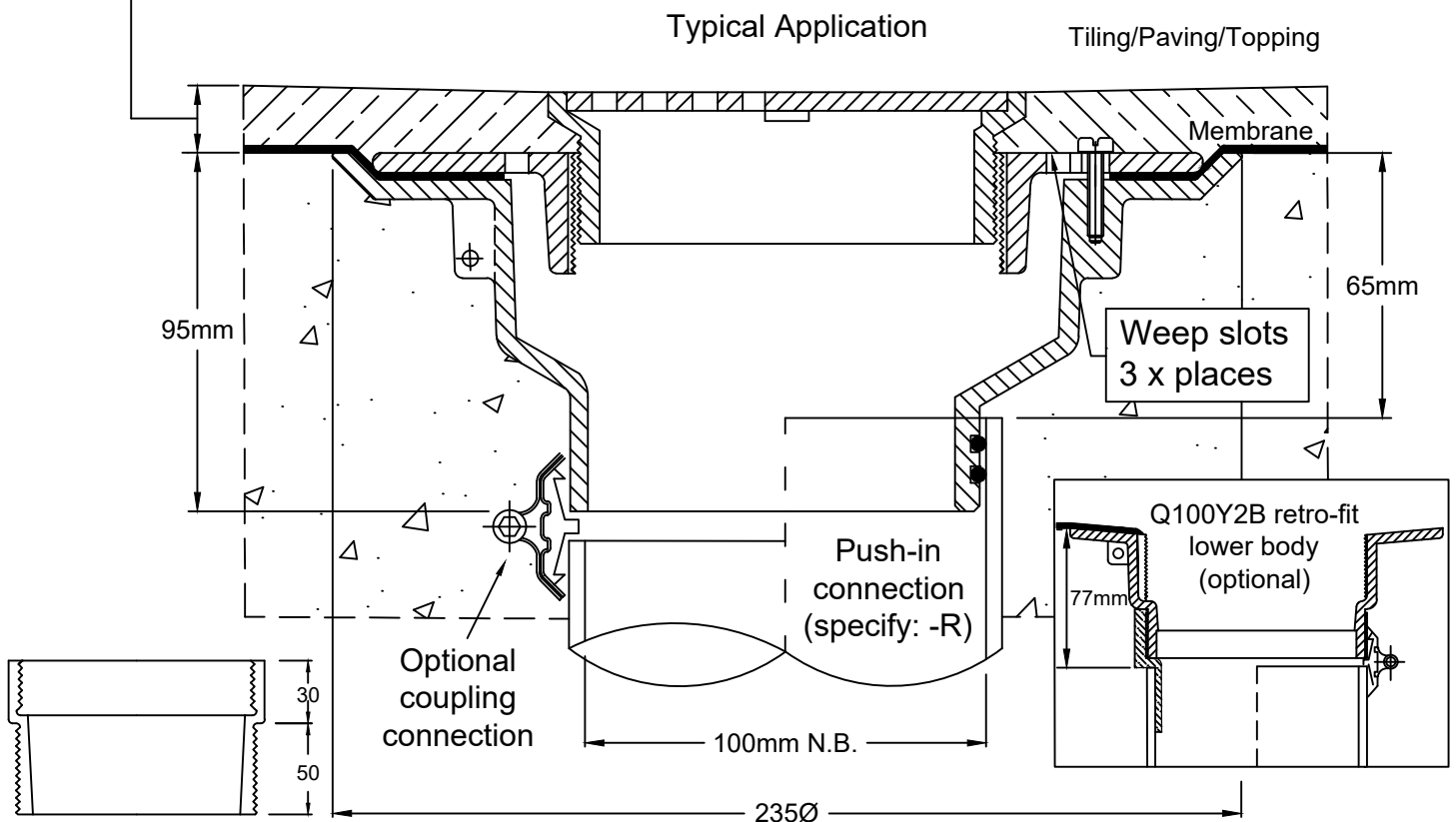
R130SH/C (304SS grate, C100A CI "deluxe" lower body)

130mm round
grate with 6mm
holes and
temper-resistant
screws



- Floor waste includes security screws and 6mm holes for improved tamper-resistance.
- Grate assembly available in 304 stainless steel. 316SS available by special request.
- C100A CI "deluxe" lower body with reversible clamp collar (pictured).
- Optional Q100Y2B CI retro-fit lower body fits inside 150mmØ core hole.

Height adjustment:
Min. 20mm
Max. 50mm**



**Optional Extension Piece

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 150mm Round Prison / Safe Cell Drain (Vari-Level) 100mm outlet

Specification codes:

R150SH/E (304 SS grate with PVC adapter *Not shown*)

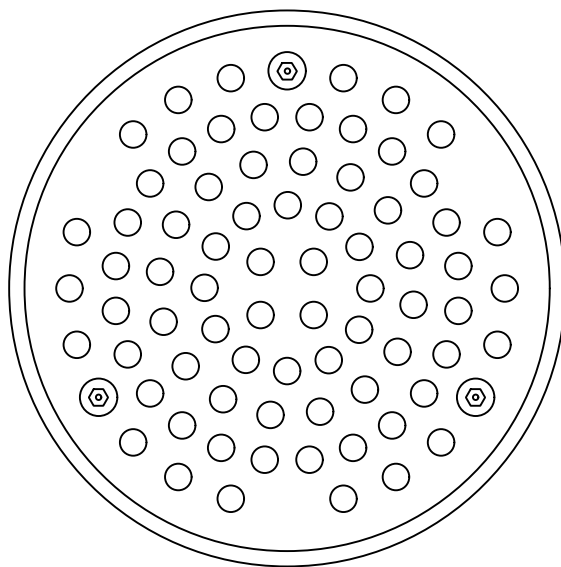
R150SH/Q (304 SS grate, CI retro-fit lower body)

R150SH/SQ (304 SS grate, SS retro-fit lower body)

R150SH/C (304 SS grate, C100A CI "deluxe" lower body)

* SPECIAL ORDER PRODUCT *

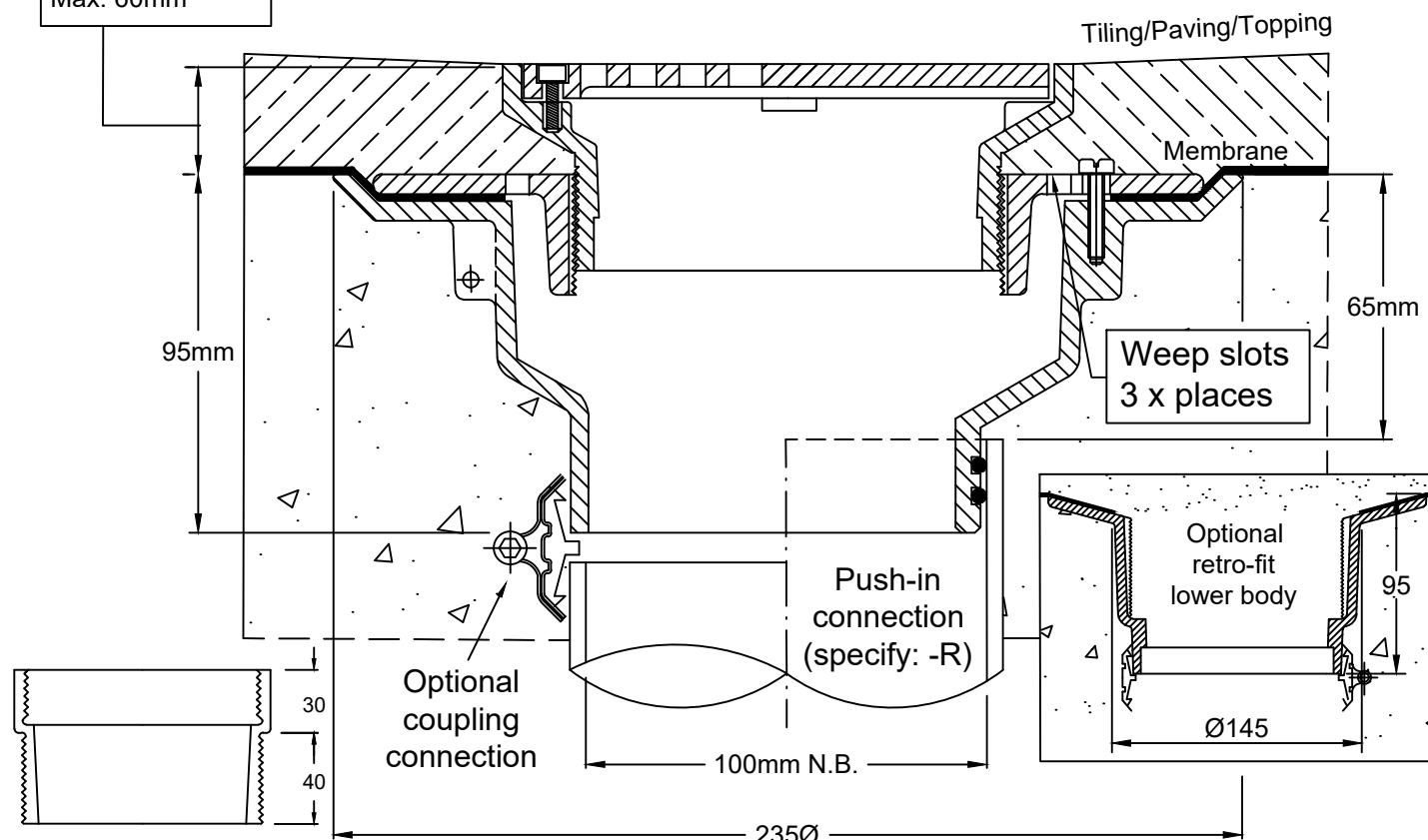
150mm round
grate with 7mm
holes and
temper-resistant
screws



- Floor waste includes special tamper-resistant features for prisons and safe cells.
- Grate assembly available in 304 stainless steel.
- C100A CI "deluxe" lower body with reversible clamp collar (pictured).
- Optional CI or SS retro-fit lower body fits inside 150mmØ core hole.

Height adjustment:
Min. 25mm
Max. 60mm**

Typical Application



**Optional Extension Piece

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 100mm Sheet Vinyl Prison Floor Waste (Vari-Level)

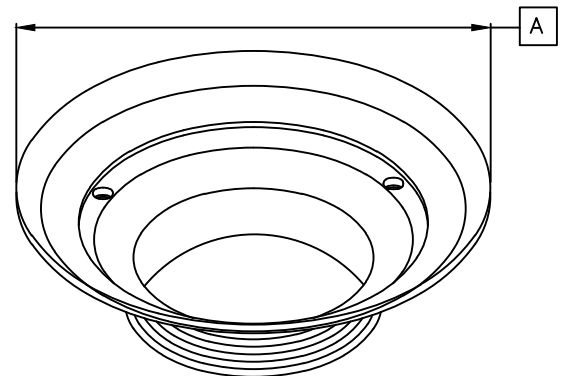
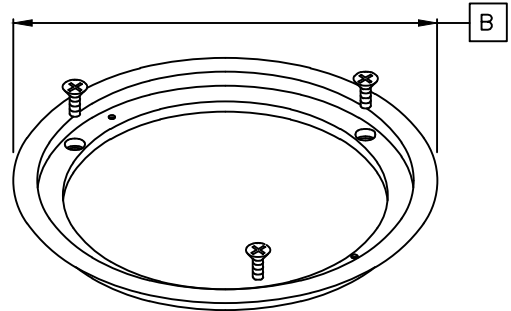
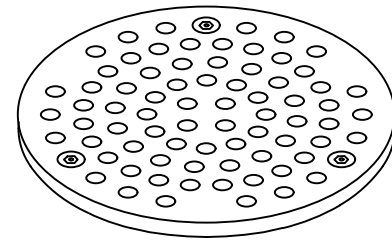
Specification codes:

LG100SH/E (304 SS grate with PVC adapter *Not shown*)
 LG100SH/C (304 stainless steel floor waste, CI lower body)
 for retro-fit lower body, use "/Q" instead of "/C"

- Height-adjustable vinyl floor waste assembly.
- High-security features: 7mm holes and tamper-resistant screws.
- Drain body available in bronze or 316 stainless steel.
- Ring & Grate available in 304 grade stainless steel. 316 stainless steel non-stock option.
- C100A CI "deluxe" lower body with reversible clamping collar.

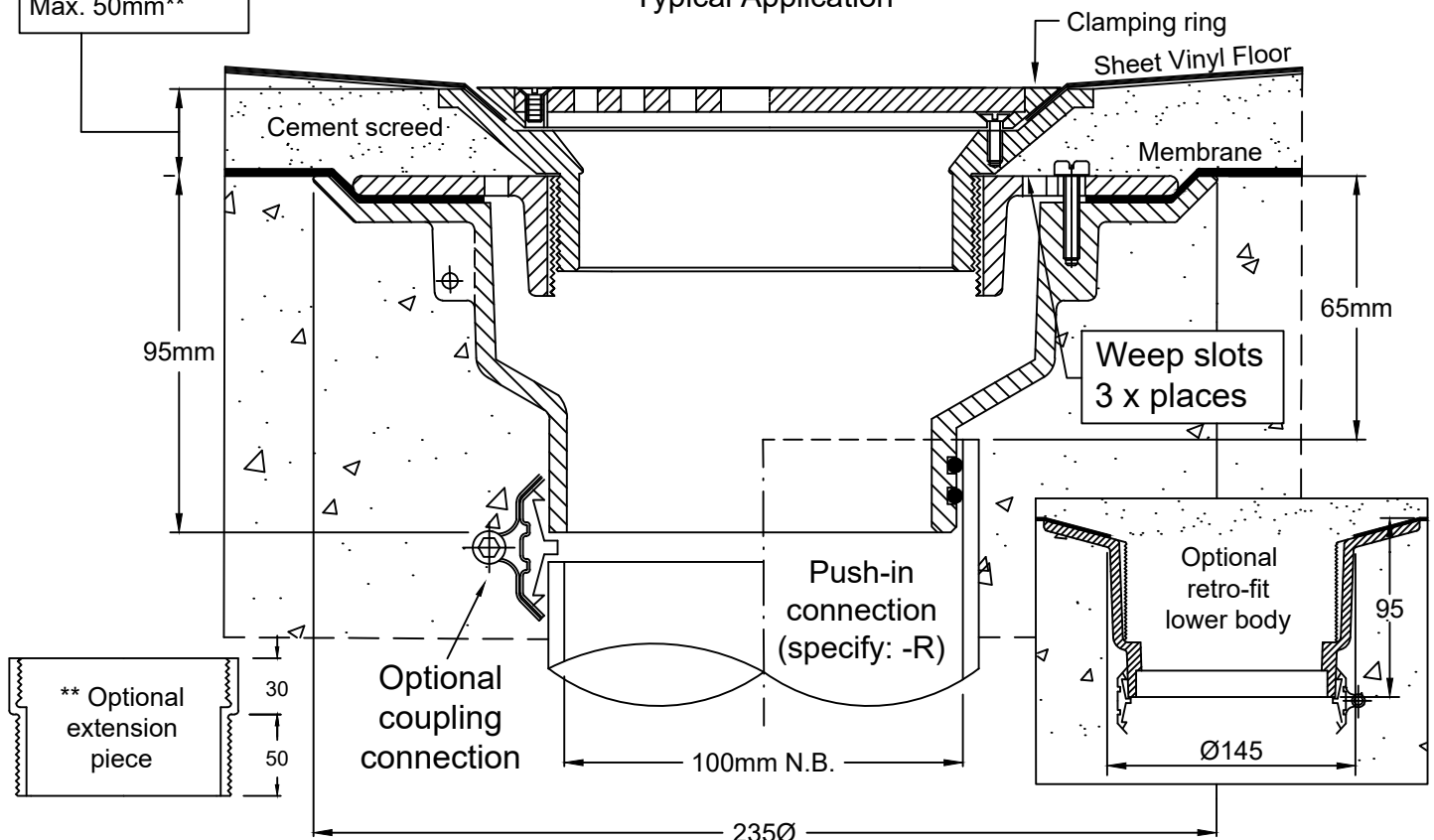
DIMENSIONAL DATA (mm)

NOMINAL OUTLET DIAMETER	DIMENSION IN MILLIMETRES	
	ØA	ØB
100	175	155



Height adjustment:
 Min. 25mm
 Max. 50mm**

Typical Application



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

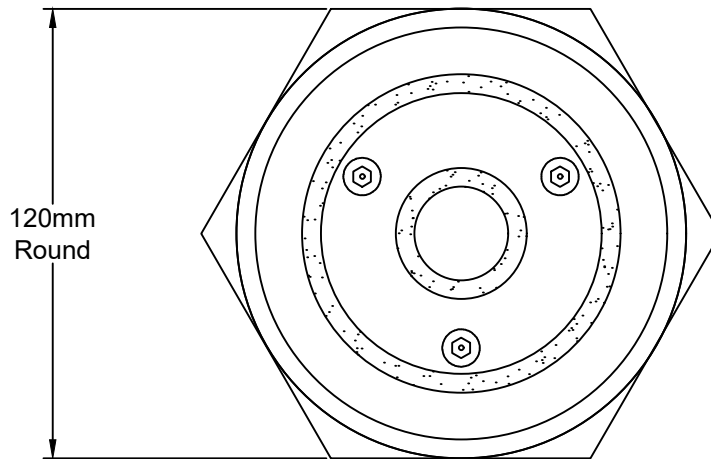
SPS 120mm Round Prison Floor Waste (100mm Vari-Level) "ACR"

Specification codes:

R120S-ACR/E (304 SS grate with PVC adapter *Not shown*)

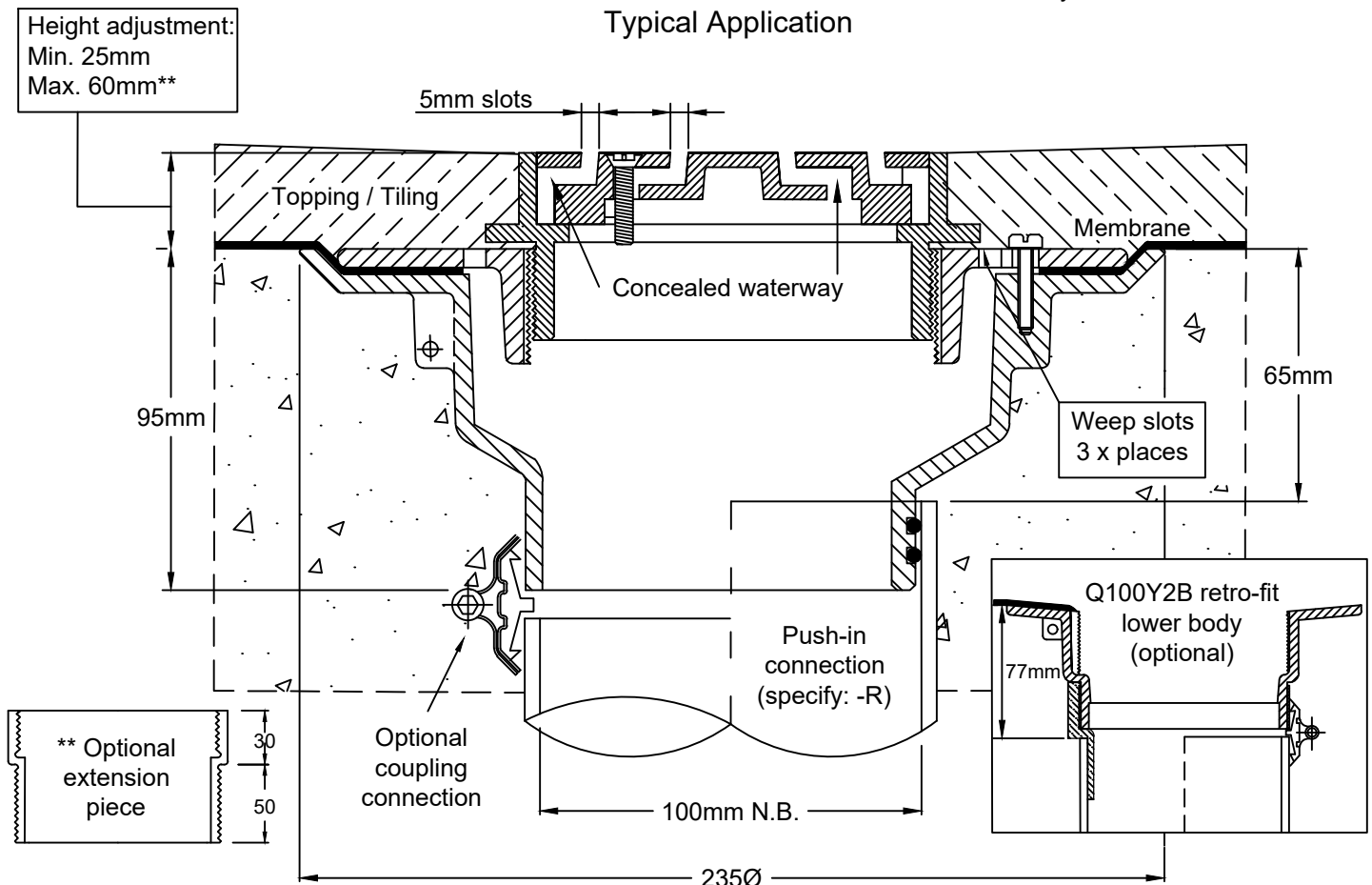
R120S-ACR/C (with C100A cast iron "deluxe" lower body)

R120S-ACR/Q (with Q100Y2B cast iron retro-fit body)



- Heavy-duty, long-lasting all-304 stainless steel floor waste assembly.
- New "Anti-Crocodile-Roll" features, including concealed waterways with no anchor points.
- Includes "Pin-Hex" style security screws. Other versions optional, including "Torx" and "Snake-eye" style.
- C100A CI "deluxe" lower body with reversible clamp collar.
- Q100Y2B retro-fit lower body for in-slab leak control

Typical Application



Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

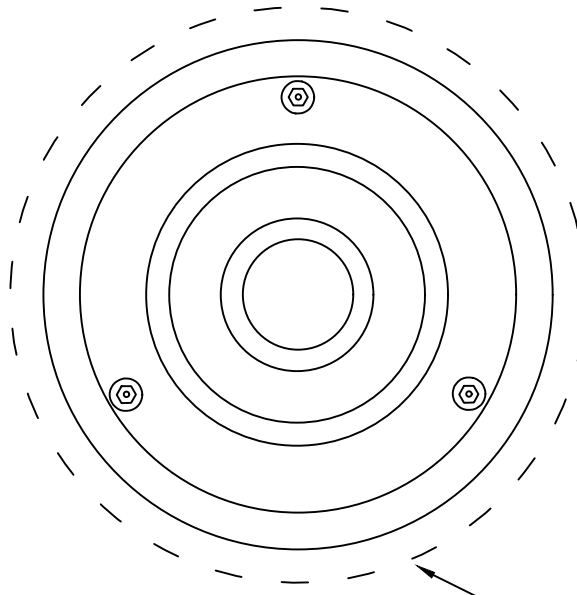
SPS 100mm "ACR" Ultra Compact Prison Vinyl Floor Waste (100mm Vari-Level)

Specification codes:

LG810SSA-ACR4/E (304 SS grate with PVC adapter *Not shown*)

LG810SSA-ACR4/C (with C100A "deluxe" CI lower body)

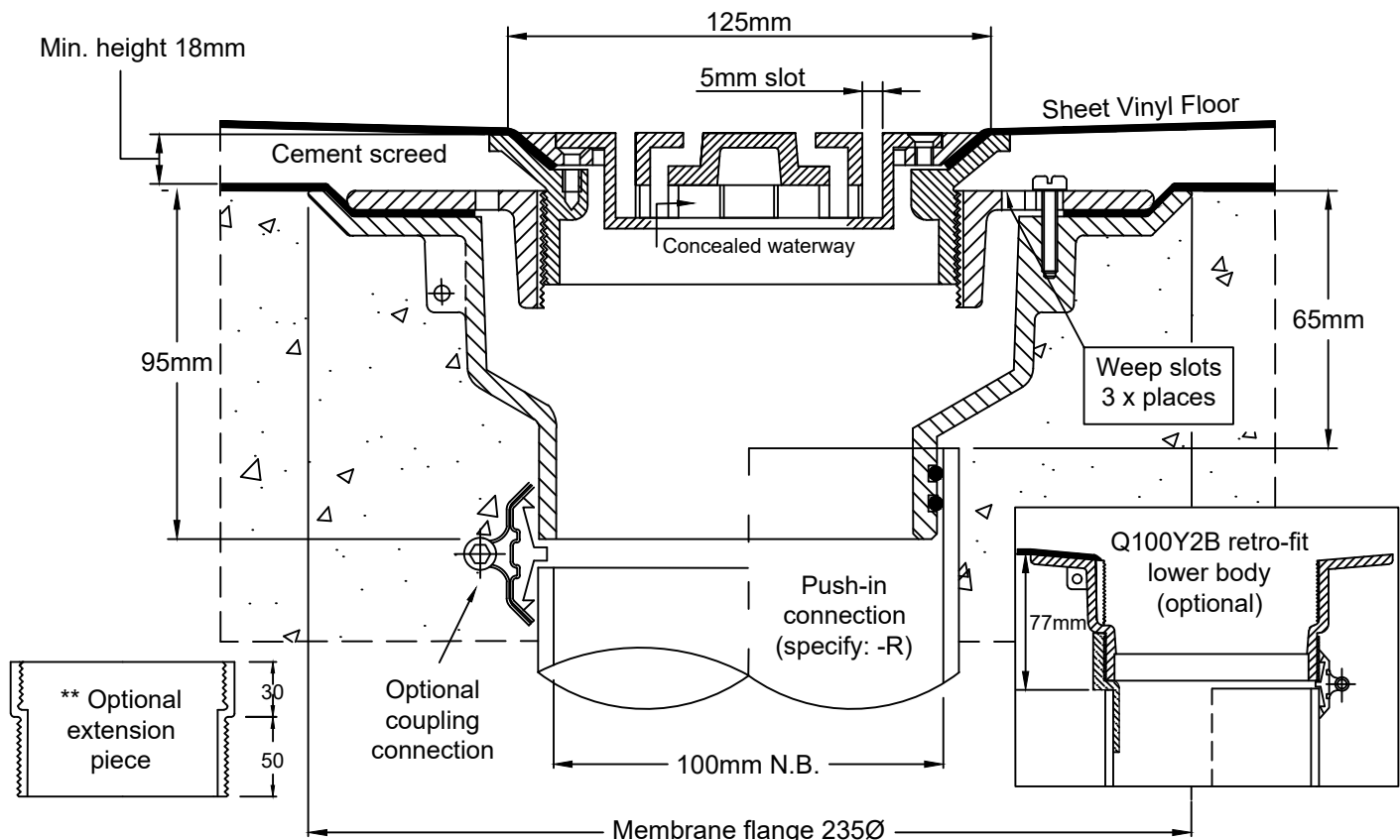
LG810SSA-ACR4/Q (with Q100Y2B retro-fit CI lower body)



Typical Application

- Heavy-duty, long-lasting all 304 stainless steel vinyl floor waste assembly.
- New "Anti-Crocodile-Roll" features, including concealed waterway and no anchor points.
- Several types of security screw are available, including "torx" style and "snake-eye" style.
- C100A CI "deluxe" lower body with reversible clamp collar.
- Q100Y2B retro-fit lower body for in-slab leak control

Drain body OD
142mm



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Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

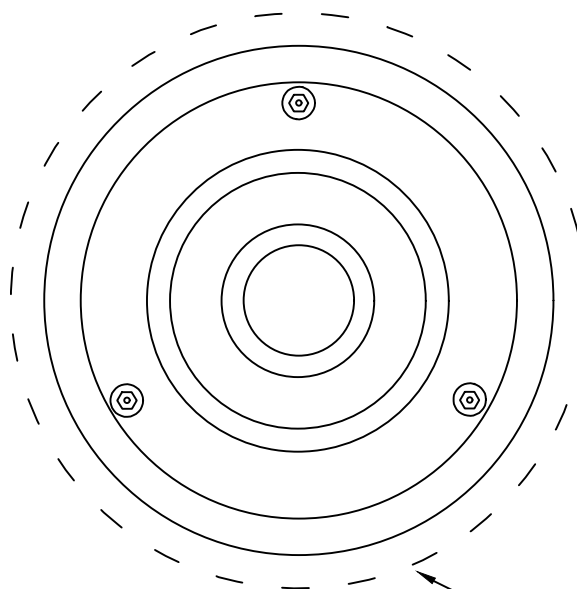
SPS 100mm "ACR" "Ultra Compact" Prison Vinyl Floor Waste Side Outlet

(100x65/50mm)

Specification codes:

LG810SSA-ACR4/C90 (Satin 304 stainless steel)

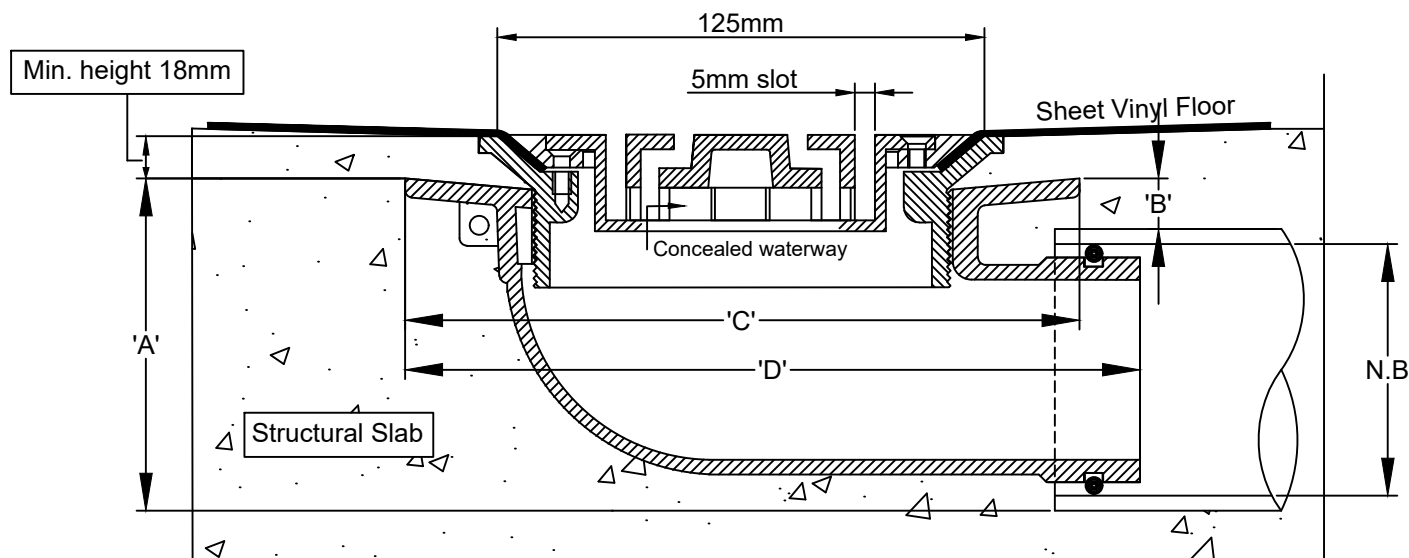
Includes Q165/90Y 65/50mm CI side outlet lower body



- Heavy-duty, long-lasting all 304 stainless steel floor waste assembly.
- New "Anti-Crocodile-Roll" features, including concealed waterway and no anchor points.
- Several types of security screw are available, including "torx" style and "snake-eye" style.
- Q165/90Y cast iron side outlet lower body connects to 65mm and 50mm pipe.

Typical Applications

Drain body OD
142mm



Spigot pushes into 65mm PVC or copper with o-ring connection, or connects to 50mm PVC/HDPE with no-hub coupling.

Dimensions (mm)

N.B.	A	B	C	D
50	95	18	180	200
65	100	15	180	200

Speciality Plumbing Supplies Pty Ltd

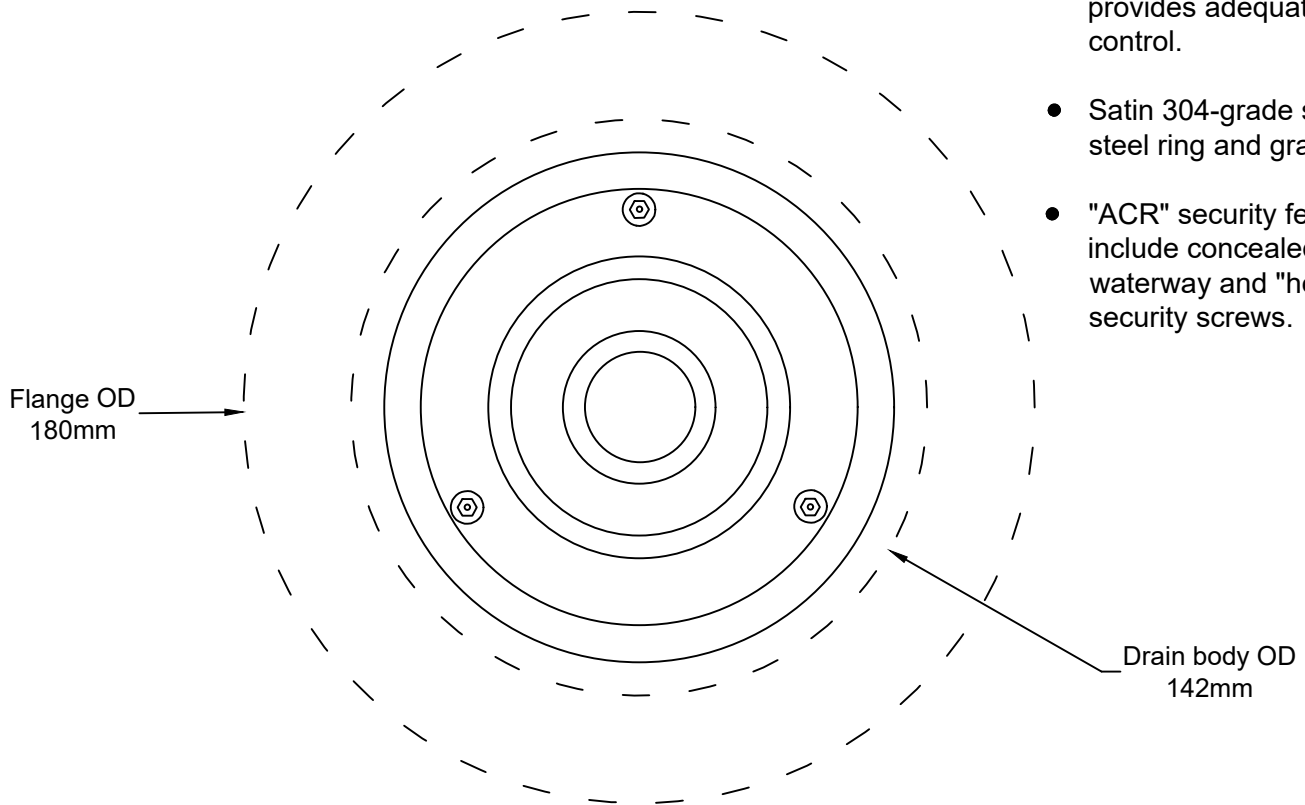
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 100mm Retro-fit Puddle Flange with Slip-in "ACR" Prison Vinyl Floor Waste

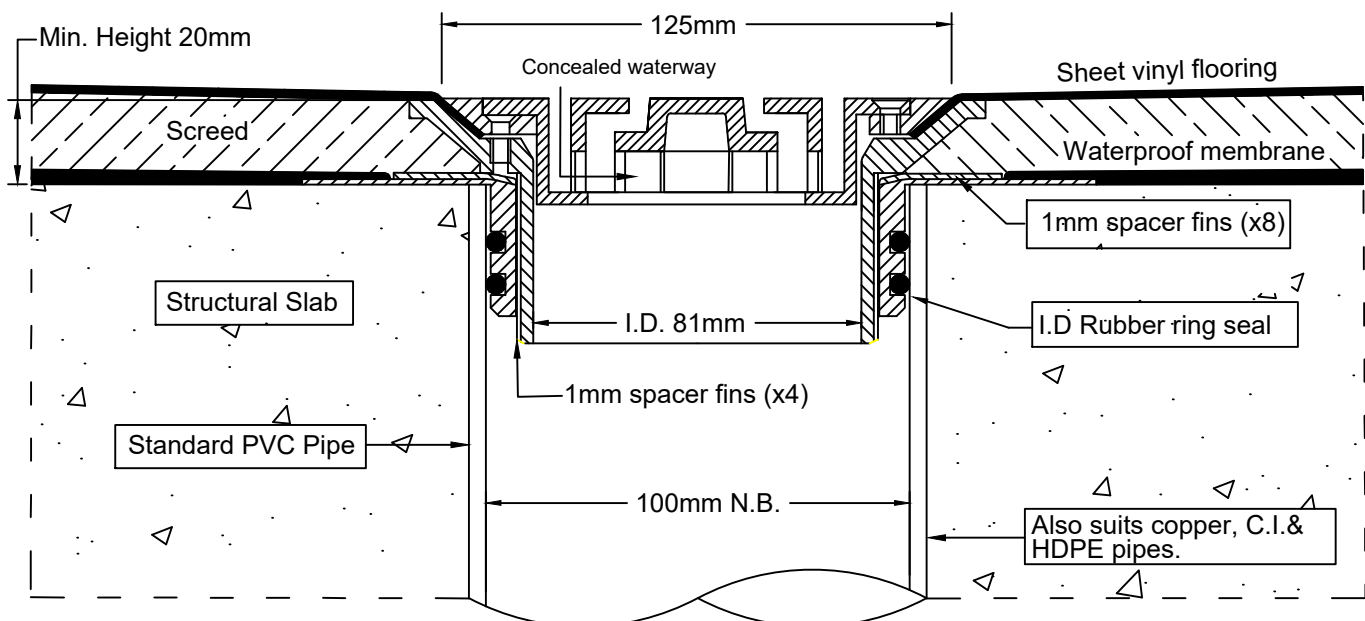
Specification code:

LG87SVA-ACR4/PF (ABS body, Satin 304SS top)
Includes PF100 lo-profile puddle flange

- Retro-fit puddle flange with ultra-thin face.
- Lo-profile vinyl floor waste slips inside I.D. of flange. 1mm spacer fins provides adequate leak control.
- Satin 304-grade stainless steel ring and grate.
- "ACR" security features include concealed waterway and "hex-head" security screws.



Typical Application



Speciality Plumbing Supplies Pty Ltd

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SECTION 9

Specials & Miscellaneous

		<u>To suit pipe size (mm):</u>
9.01	100mm Drop-in Balcony Drains	65
9.02	Retro-fit Membrane Flange with Flat or Dome Grate	100
9.03	Special 90° Balcony Drain with Flat or Dome Grate	50 / 65
9.04	200mm Square Downpipe Drain - Push-in	100
9.05	200mm Square Downpipe Drain - Vari-level	100 (or 150)
9.06	225mm Round Downpipe Drain - Vari-level	100 (or 150)
9.07	225mm Square Downpipe Drain - Vari-level	150
9.08	100mm Truflo RWO – recessed flat grate for under downpipes	100 & 150
9.09	The Balcony Box	100
9.10	Custom Stainless Steel Grate & Trough - Standard	100
9.11	Custom Stainless Steel Grate & Trough - Vinyl Clamp	100

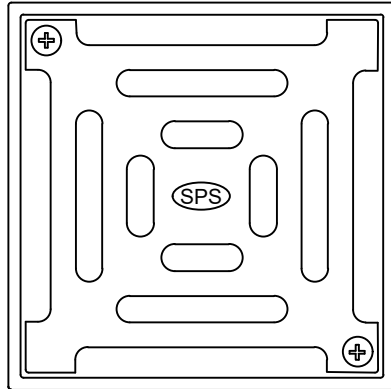
SPS 100x50mm Special Drop-in Balcony Drain

Specification codes:

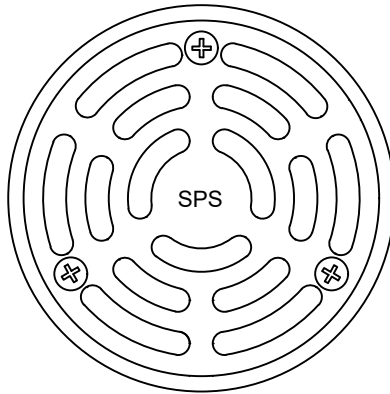
R100S2 (Round 316 stainless steel grate)

Q100S2 (Square 316 stainless steel grate)

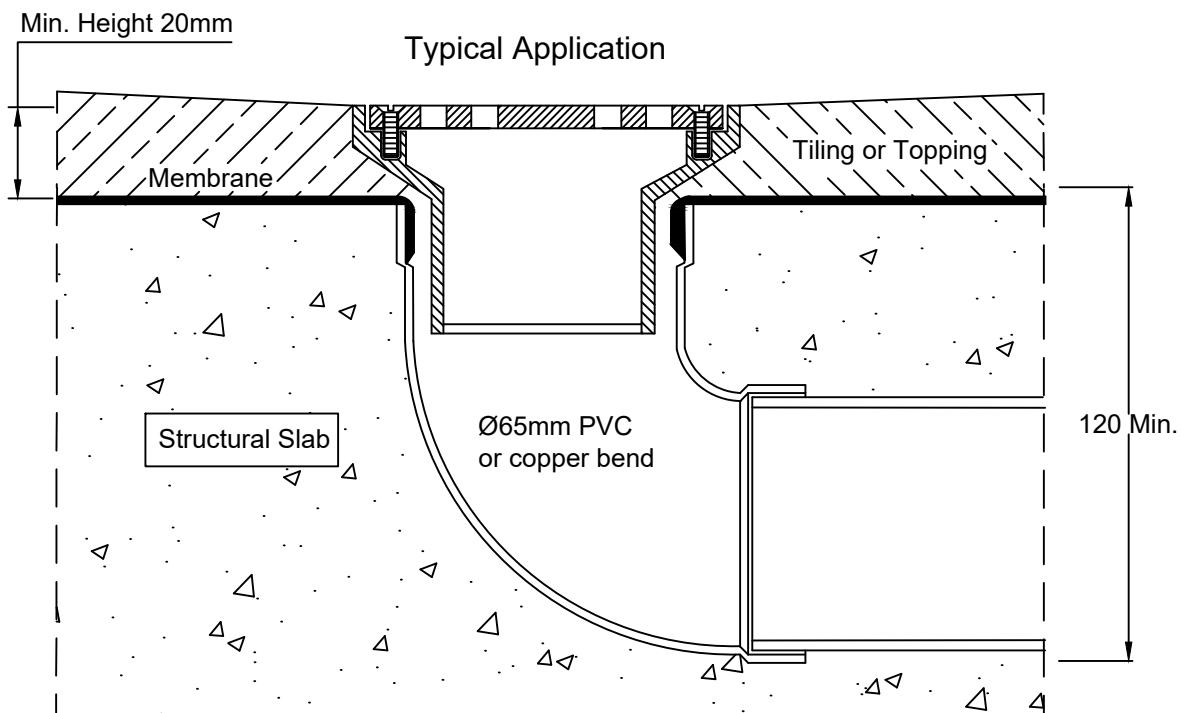
100mm
Square



100mm
Round



- Round or square grate available in 316 stainless steel. 304 stainless steel non-stock option.
- 50mm spigot drops inside 65mm pipe after liquid membrane has been applied into pipe.
- To be employed only with the approval of the waterproofing contractor.
- Extra precautions must be employed to prevent tile bedding / grout from blocking the outlet.



Speciality Plumbing Supplies Pty Ltd

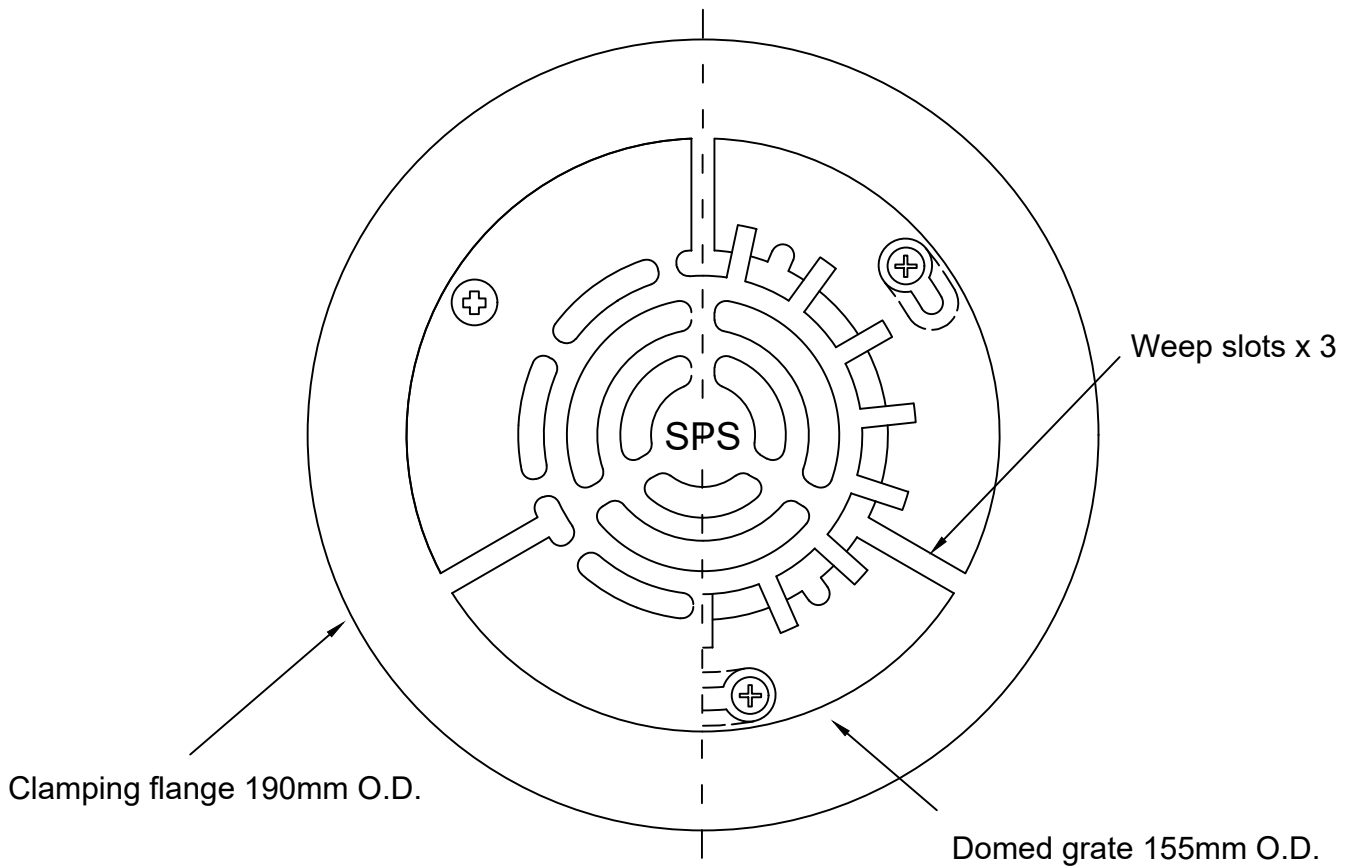
Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 100mm Retro-fit Dome/Flat Grate & Flange

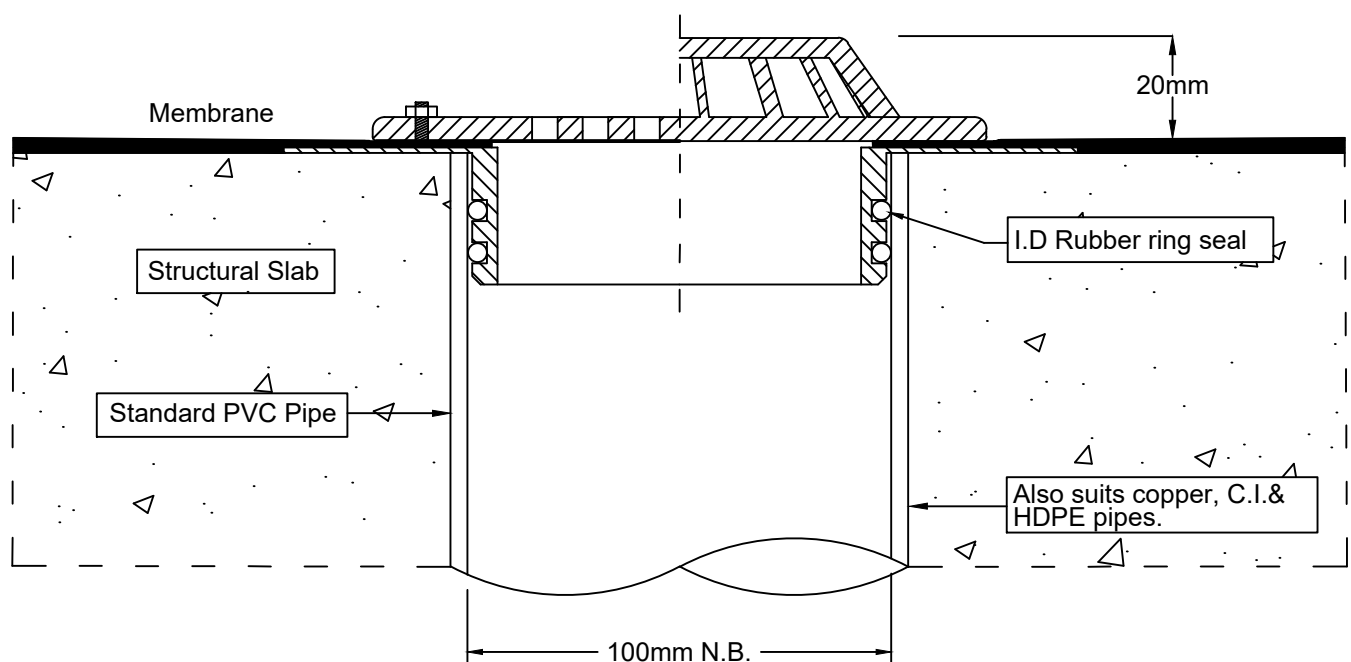
Specification code:

RC100AD (304 s/s flange, aluminium dome)

RC100AF (304 s/s flange, aluminium flat grate)



Typical Application



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS Special Dome/Flat 90° Balcony Drain

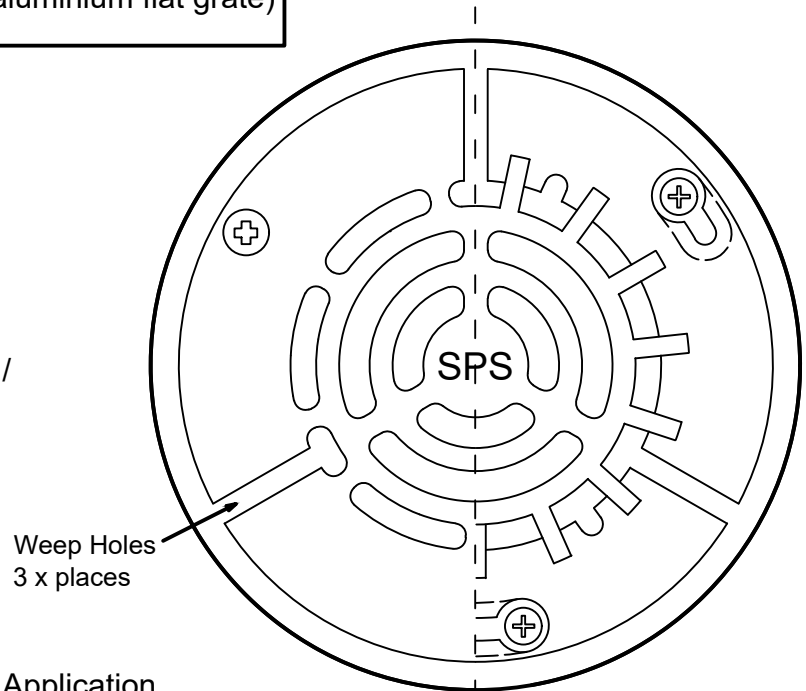
65/50mm outlet

Specification code:

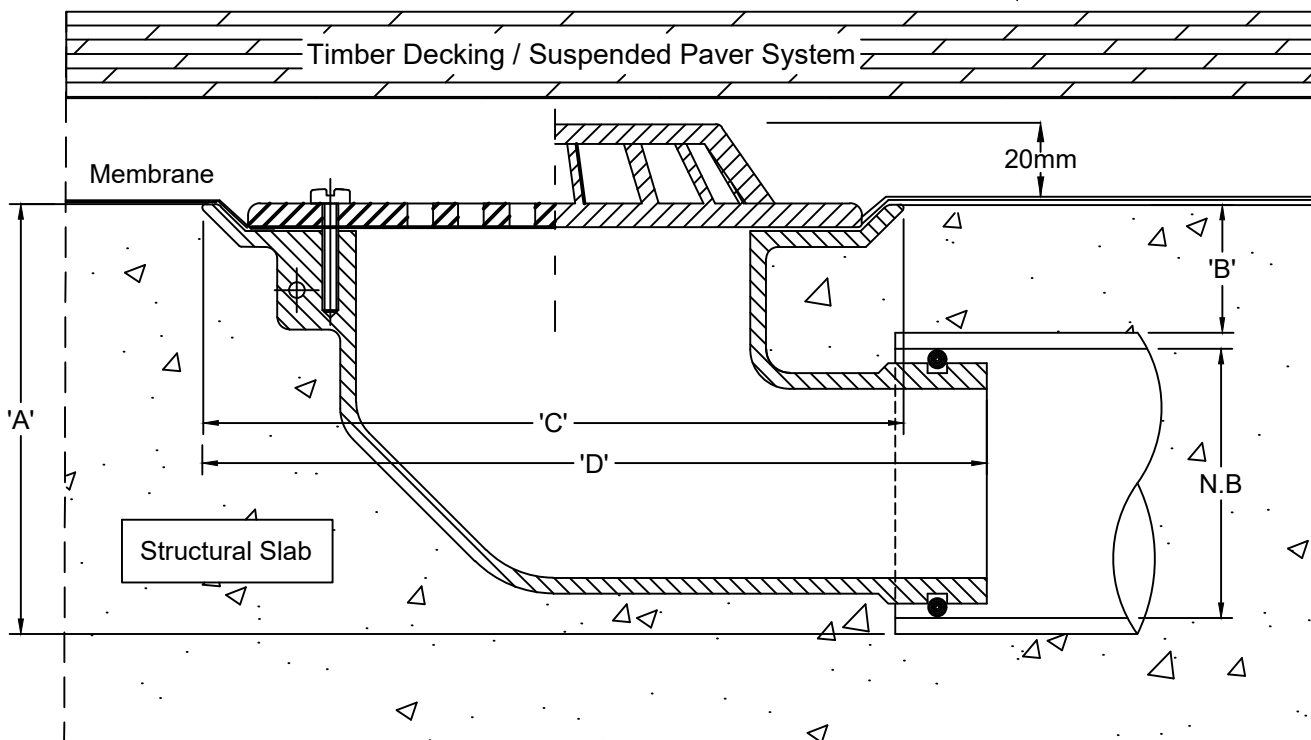
C50/90AD (ABS lower body, LM6 aluminium dome)

C50/90AF (ABS lower body, LM6 aluminium flat grate)

- Special flat or dome grate adapts to side outlet balcony drain body.
- Suitable for waterproofed balconies / podia with timber decking or suspended paver systems.



Typical Application



Spigot pushes into 65mm PVC or copper with o-ring connection, or connects to 50mm PVC/HDPE with no-hub coupling.

N.B.	A	B	C	D
50	100	40	180	200
65	105	37	180	200

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 200mm Square Push-in Floor Drain

Specification code:

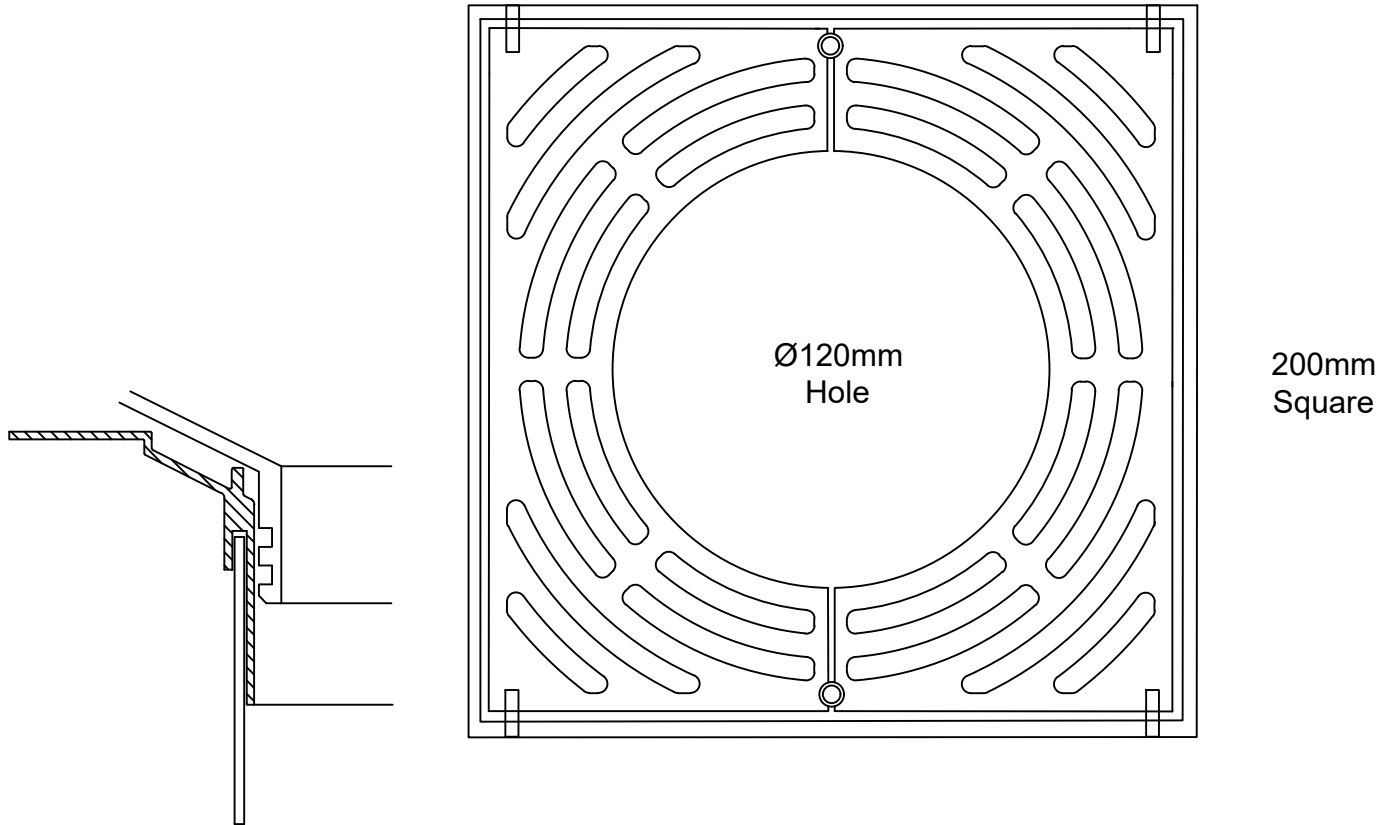
Q200SRDP (satin 316 stainless steel) *Non stock option

Q200SRDP4 (polished 304 stainless steel)

100mm Outlet

****Downpipe Version****

High-heel friendly pattern (6mm gaps)

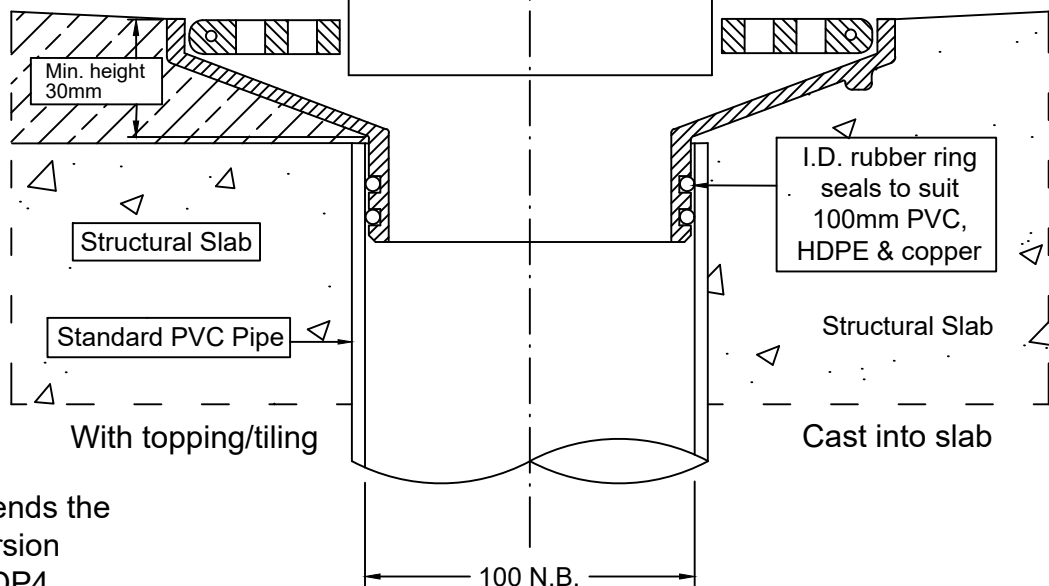


Installation with puddle flange

Typical Applications

**** Suitable for LOW-FLOW applications only**

Tiling or topping



****SPS Recommends the HI-FLOW version Q200/150SDP4**

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

9.04

SPS 200mm Square Downpipe Drain

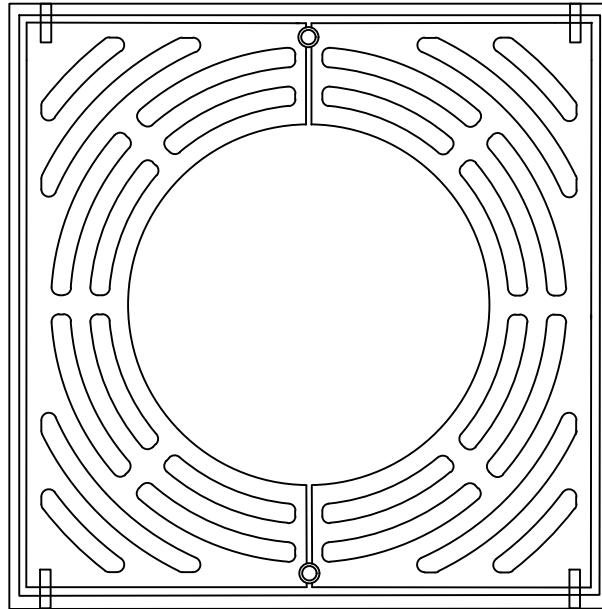
Specification code:

Q200SDP4/C100 (Polished 304 SS grate assembly, CI lower body)

Q200SDP6/C100 (Satin 316 SS grate & frame ass'y, CI lower body)

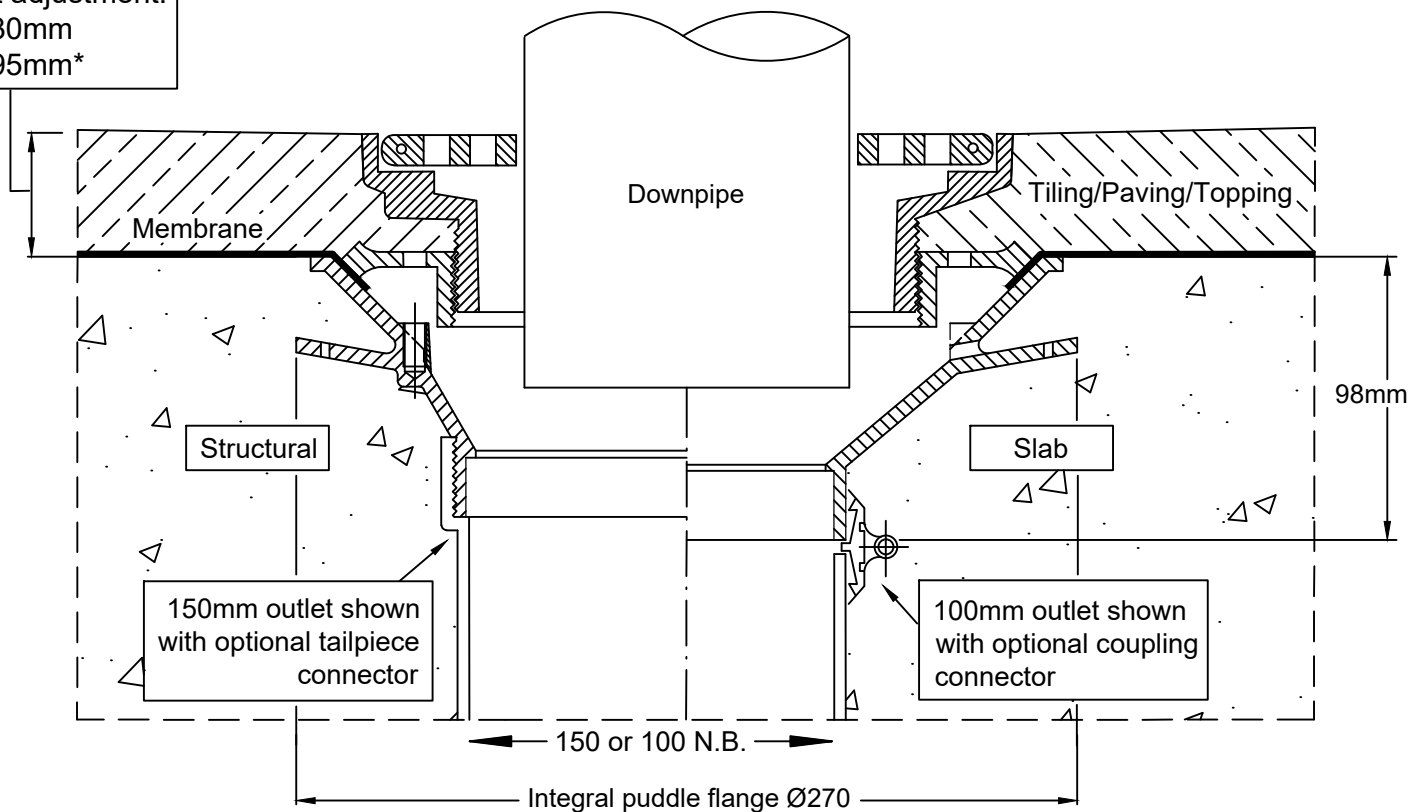
For 150mm outlet, use suffix "C150" not "C100"

100mm Outlet 150mm Outlet



- Height-adjustable high-heel friendly grate assembly.
- Grate assembly features 120Ø hole to allow insertion of 110mm downpipe.
- Double-hinge design for ease of access and maintenance.
- Available in 304 or 316 stainless steel.
- 100mm or 150mm Truflo CI lower body with 150mm reversible clamp collar.

Height adjustment:
Min. 30mm
Max. 95mm*



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 225mm Round Special Downpipe Drain

Specification code:

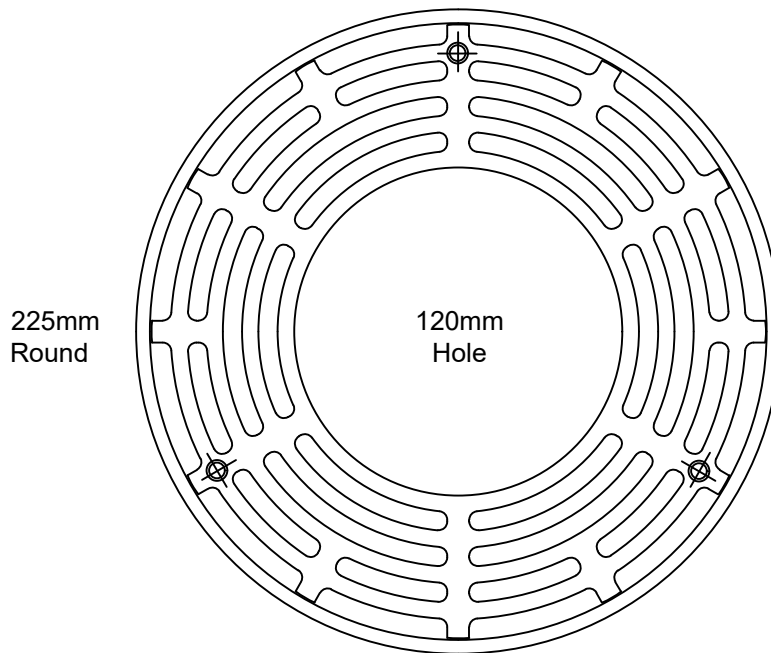
R225SDP4/C100 (Polished 304 SS grate assembly, CI lower body)

R225SDP6/C100 (Satin 316 SS grate & frame ass'y, CI lower body)

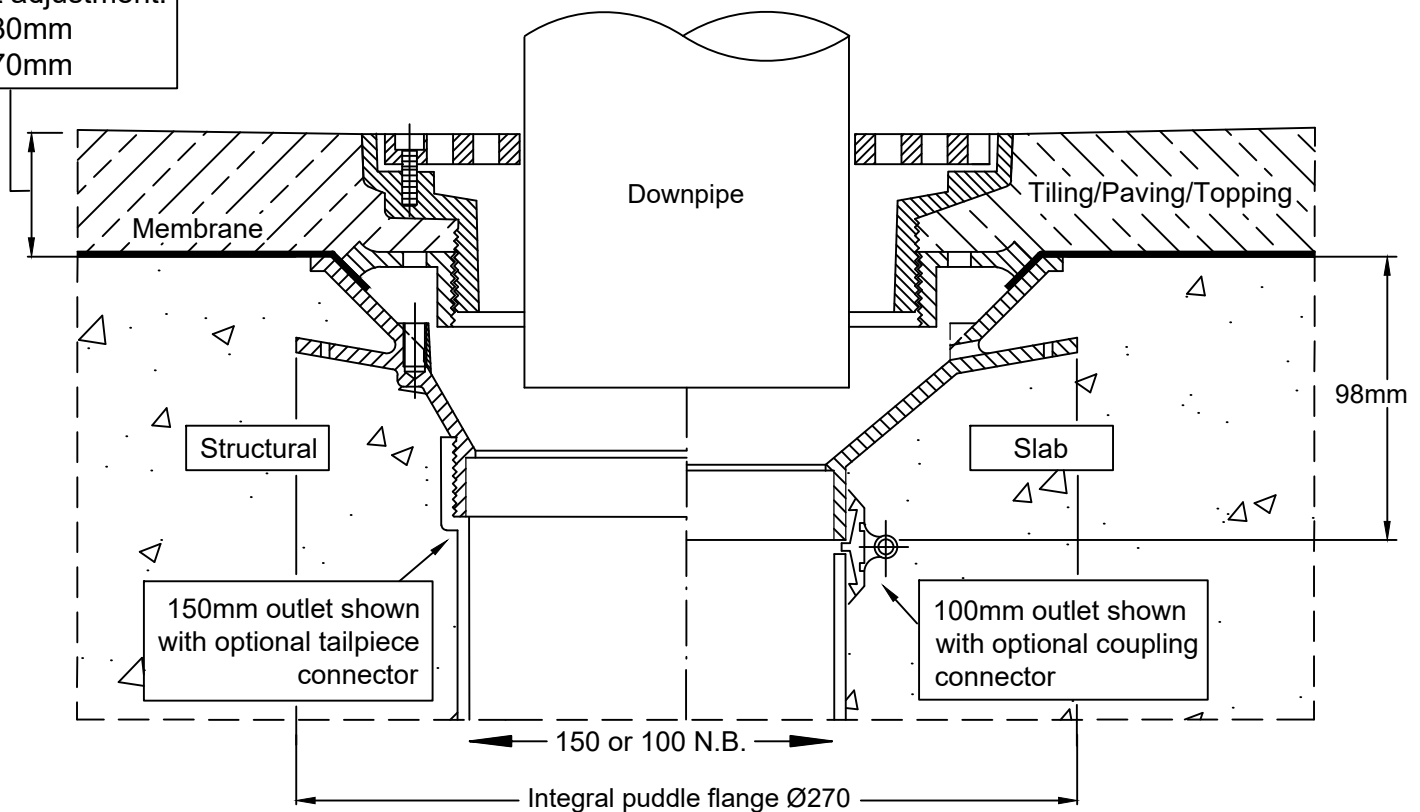
For 150mm outlet, use suffix "C150" not "C100"

100mm Outlet or 150mm Outlet

- Height-adjustable high-heel friendly grate assembly.
- Grate assembly features 120Ø hole to allow insertion of 110mm downpipe.
- Available in 304. Note 316 is available on request.
- 100mm or 150mm Truflo CI lower body with 150mm reversible clamp collar.



Height adjustment:
Min. 30mm
Max. 70mm



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 225mm Square Special Downpipe Drain

Specification code:

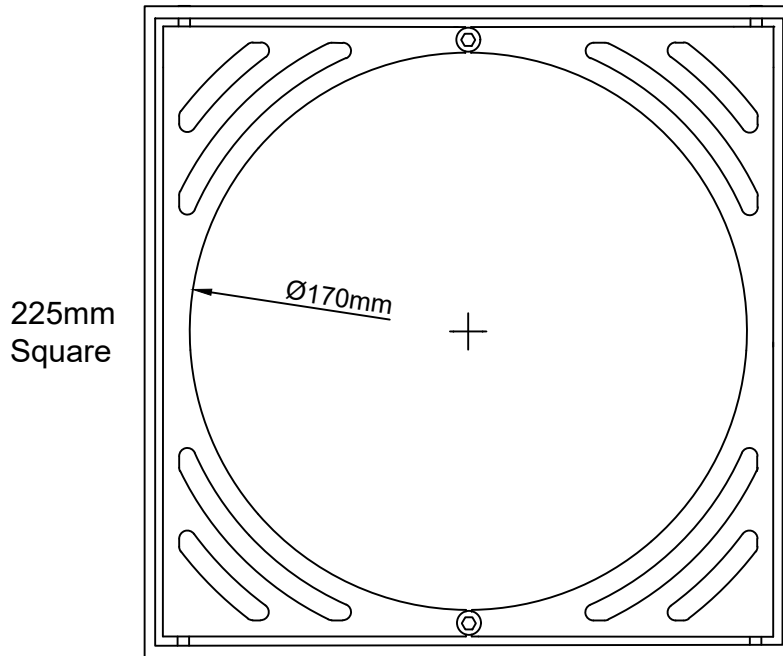
Q225SDP4/C150 (Polished 304 SS grate assembly, CI lower body)

Q225SDP6/C150 (Satin 316 SS grate & frame ass'y, CI lower body)

For 100mm outlet, use suffix /C100

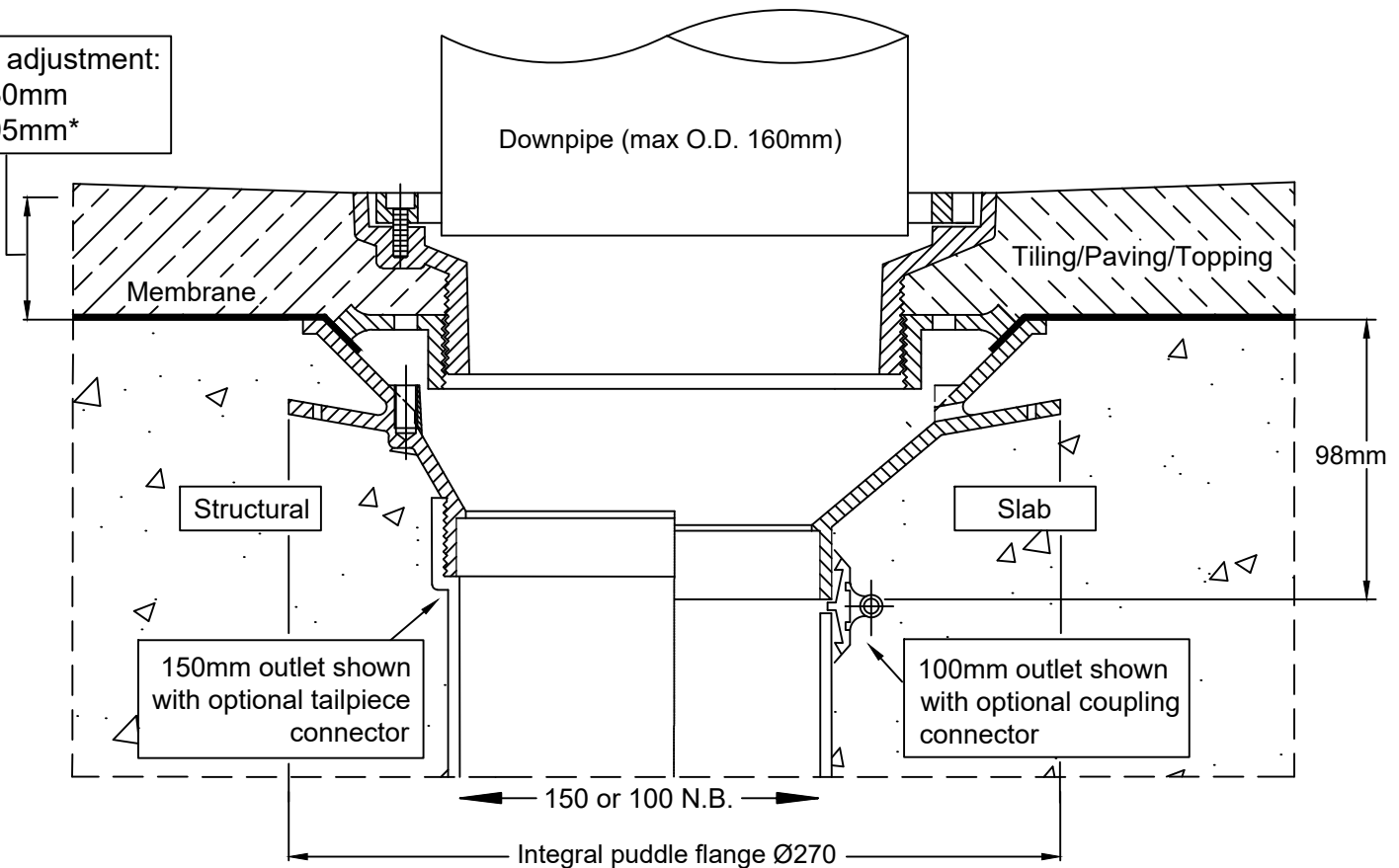
316SS version is SPECIAL ORDER

150mm outlet or 100mm outlet



- Height-adjustable high-heel friendly grate assembly.
- Grate assembly features 170mmØ hole to allow insertion of 160mm downpipe.
- Double-hinge design for ease of access and maintenance.
- Available in 304 stainless steel; 316 stainless steel available by special order.
- 100mm or 150mm Truflo CI lower body with 150mm reversible clamp collar.

Height adjustment:
Min. 30mm
Max. 95mm*



Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

SPS 100 & 150mm Truflo Special Downpipe Discharge Drain

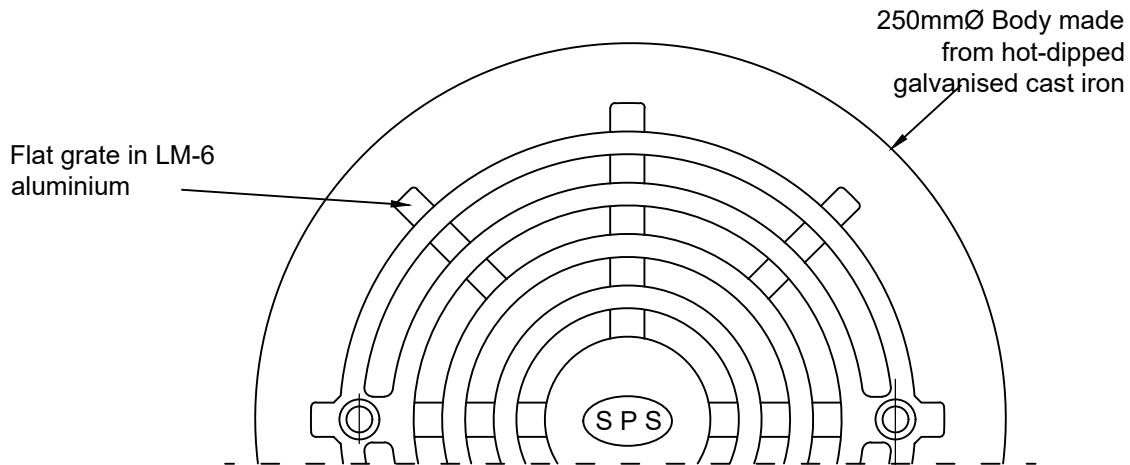
Specification codes:

T3150/100FE (Aluminium grate, galvanised CI body, 100mm outlet)

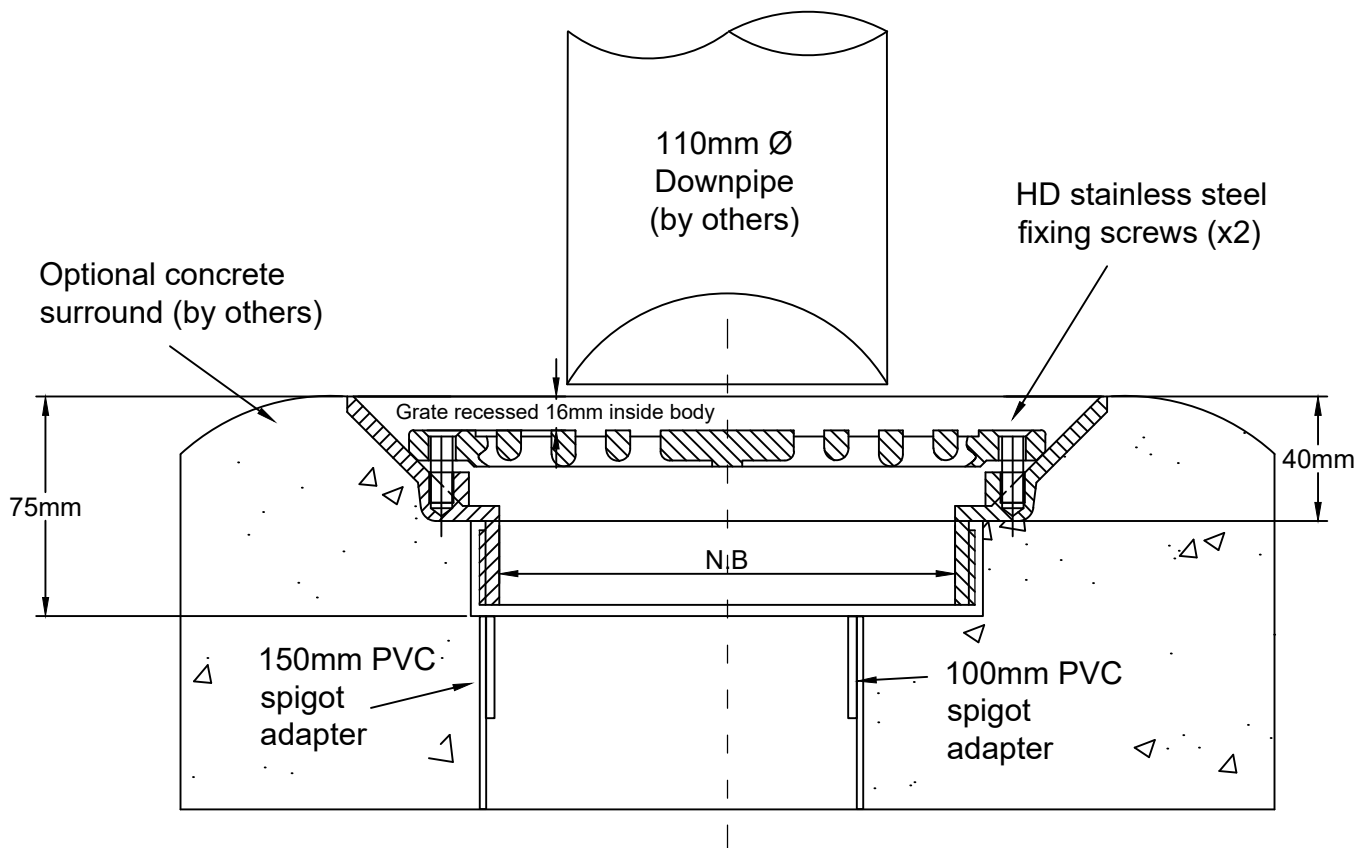
T3150FE (Aluminium grate, galvanised CI body, 150mm outlet)

Suggested application:

Rainwater inlet to be installed beneath the downpipes.



Typical Application



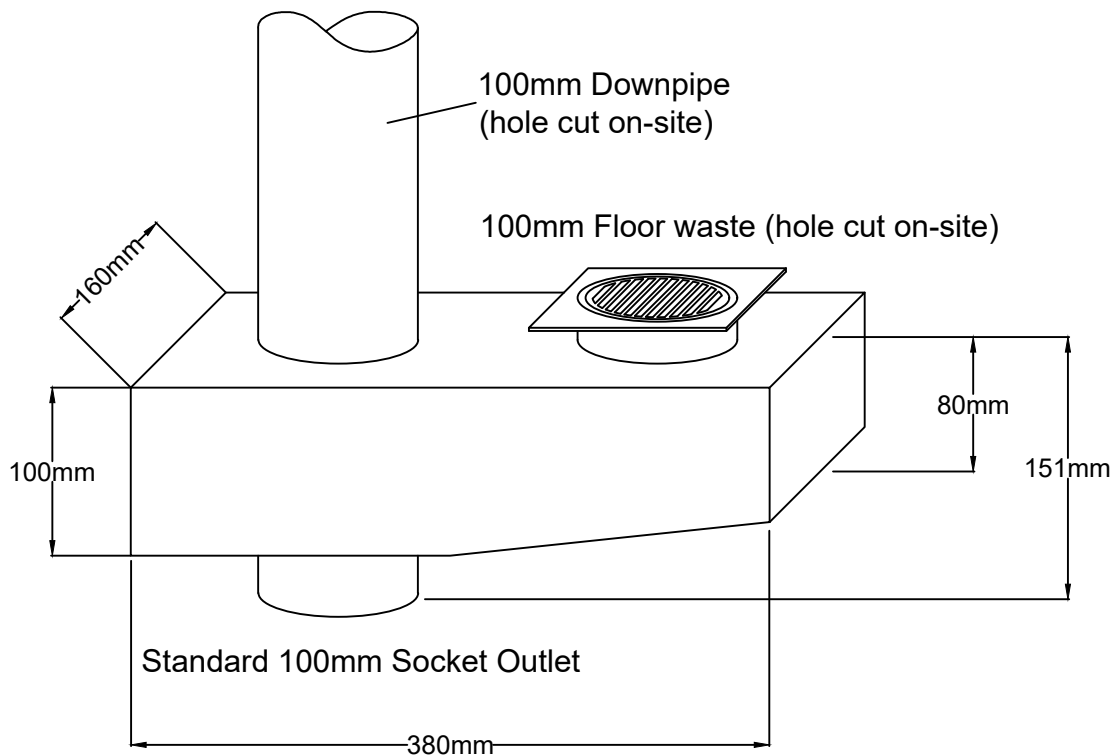
Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

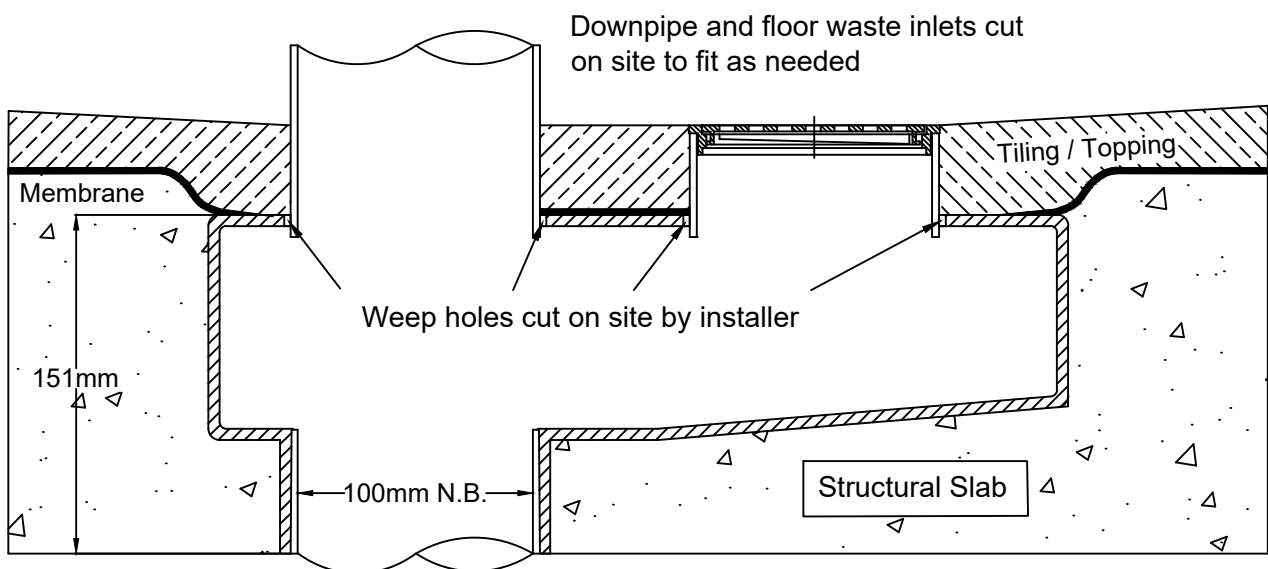
9.08

SPS 100mm Dual Inlet Balcony Box

Specification codes:
BB100 (injection-moulded uPVC plastic)



Typical Application



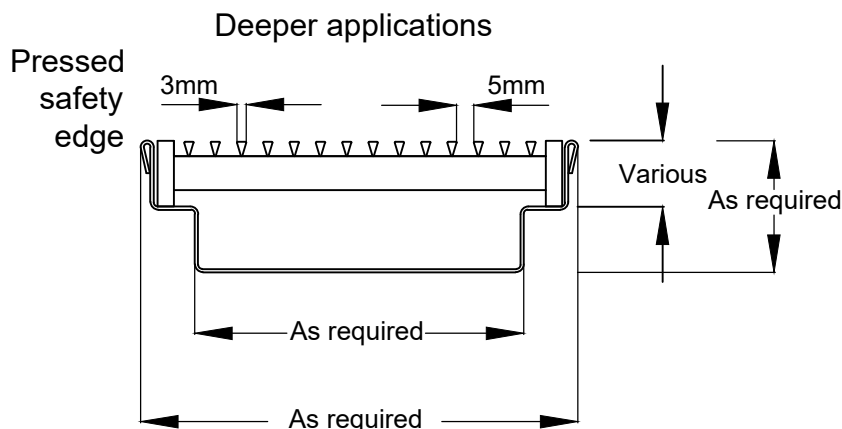
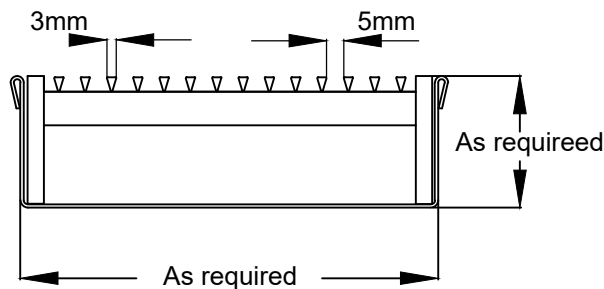
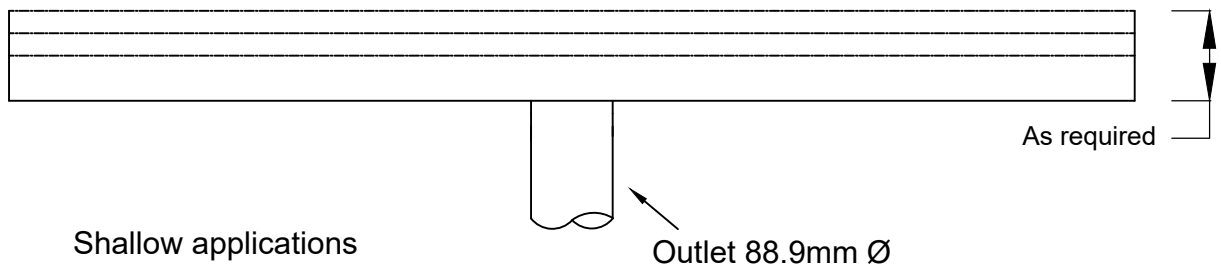
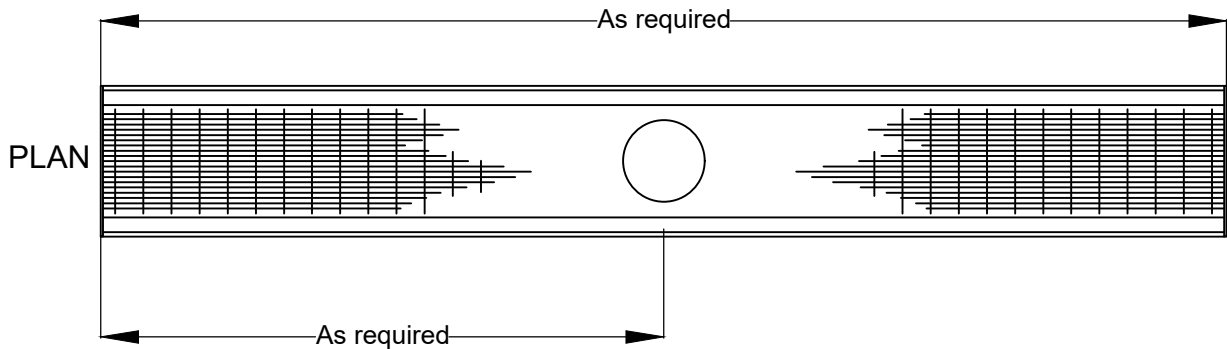
Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 Email: info@spsdrains.com.au

SPS S/S Custom size grate & trough

With S/S wedge wire grating

Specification codes:
SSTCUST - standard wedge-wire grating
and channel



- Available with standard outlet or dual strainer basket trap
- HEELGUARD 304 s/s grating - 3mm wedgewire x 5mm gap
- Load Class 'B' under AS3996
- Dimpled non slip 316 s/s wedgewire available at extra cost
- Full 304-grade s/s construction
- 316-grade also available at extra cost
- Cross-break to outlet standard

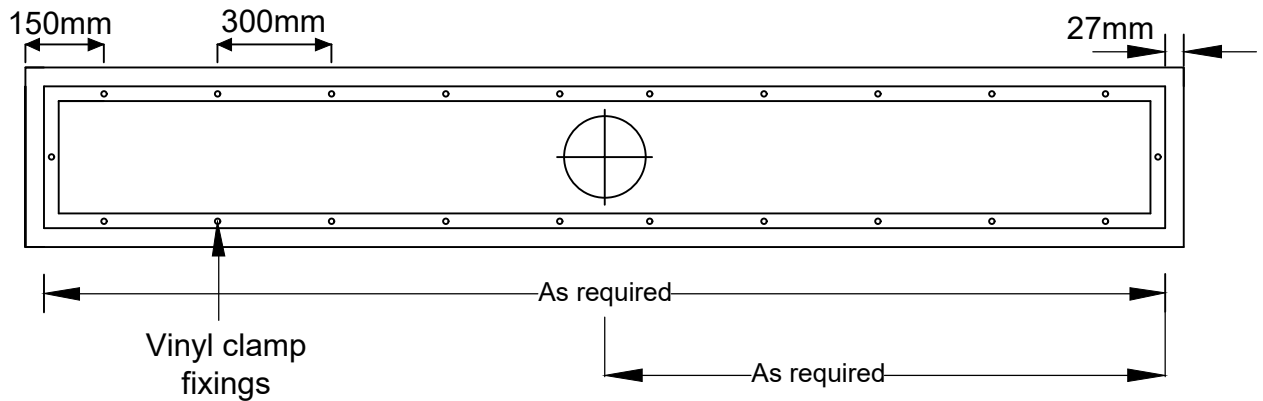
Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

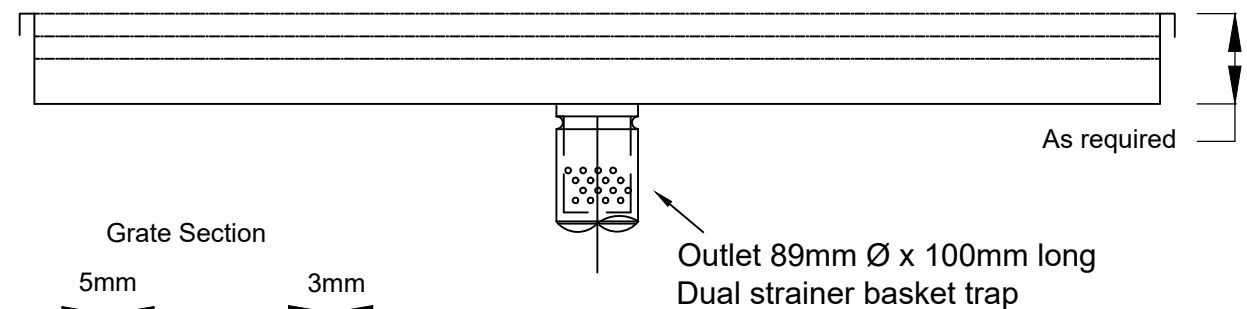
SPS S/S Custom grate & trough with wedge wire grate - vinyl clamp edge

Specification codes:

SSTVCUST - standard wedge-wire grating

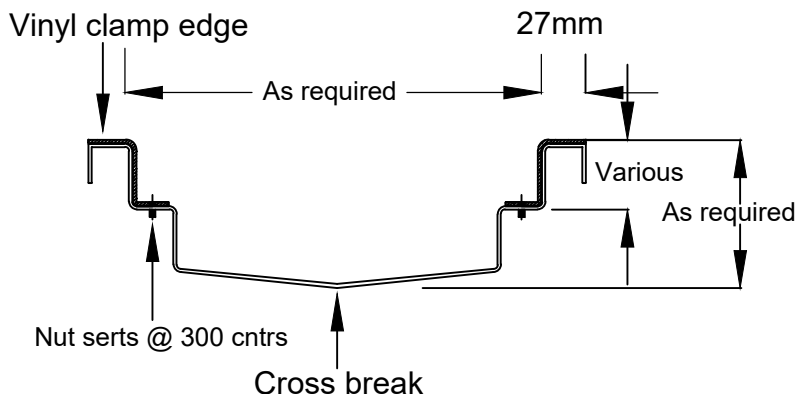


FRONT ELEVATION



Grate Section

Trough Section



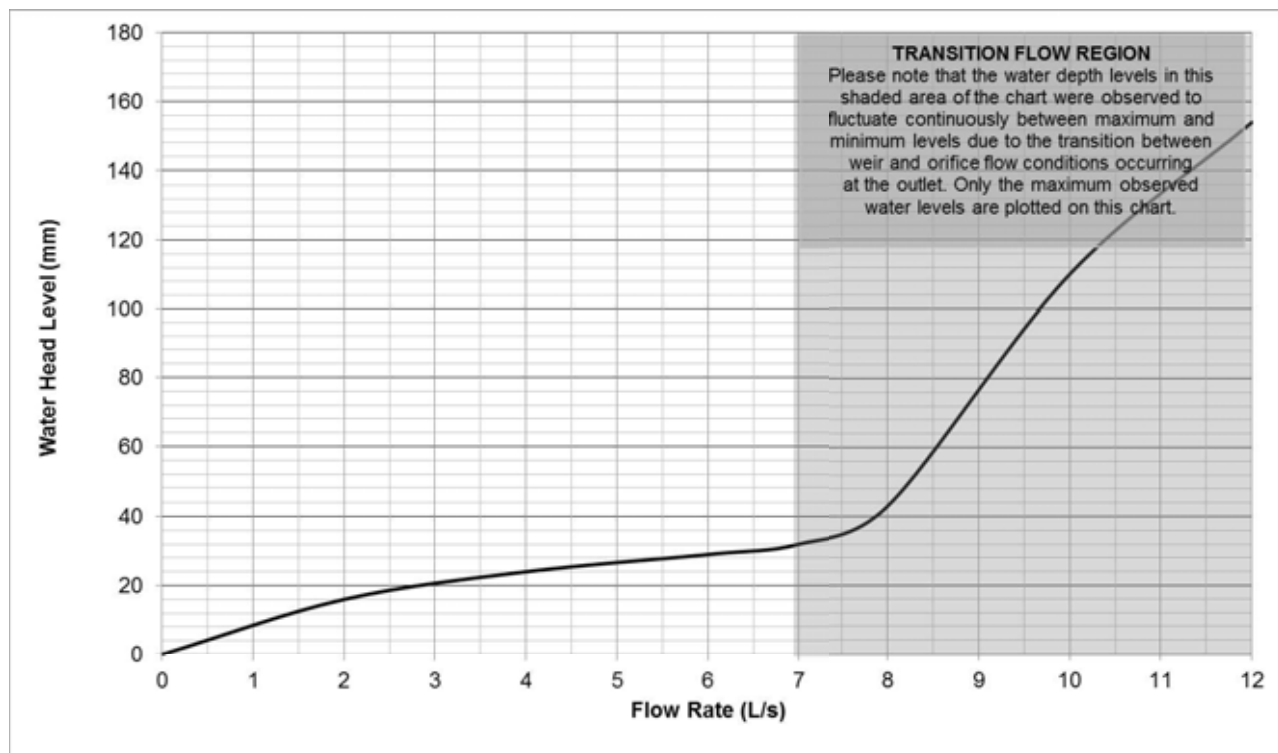
- HEELGUARD slip resistant grating
- Class 'B' loading rating to AS3996-2006
Higher load ratings available on request
- Removable dual strainer basket trap or standard outlet available
- Full 304-grade s/s construction. 316 s/s available on request
- Cross-break to outlet or fall to outlet available

Speciality Plumbing Supplies Pty Ltd

Tel: (02) 9417 1900 Fax: (02) 9417 0108 E-mail: info@spsdrains.com.au

Appendix

Flow Characteristic Curve – TIA100F



Weir Flow – 7 L/s (30mm)

Observation Comments:

- Flow rates from 0-7.0 L/s (30mm Head) produced a linear characteristic curve with stable water head levels.
- At 8.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow characterised by the water level fluctuating 10mm.
- At 10.0 – 14.0 L/s the flow surcharged with the water head fluctuating 30mm.
- The maximum flow limit to maintain weir flow conditions is 7.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



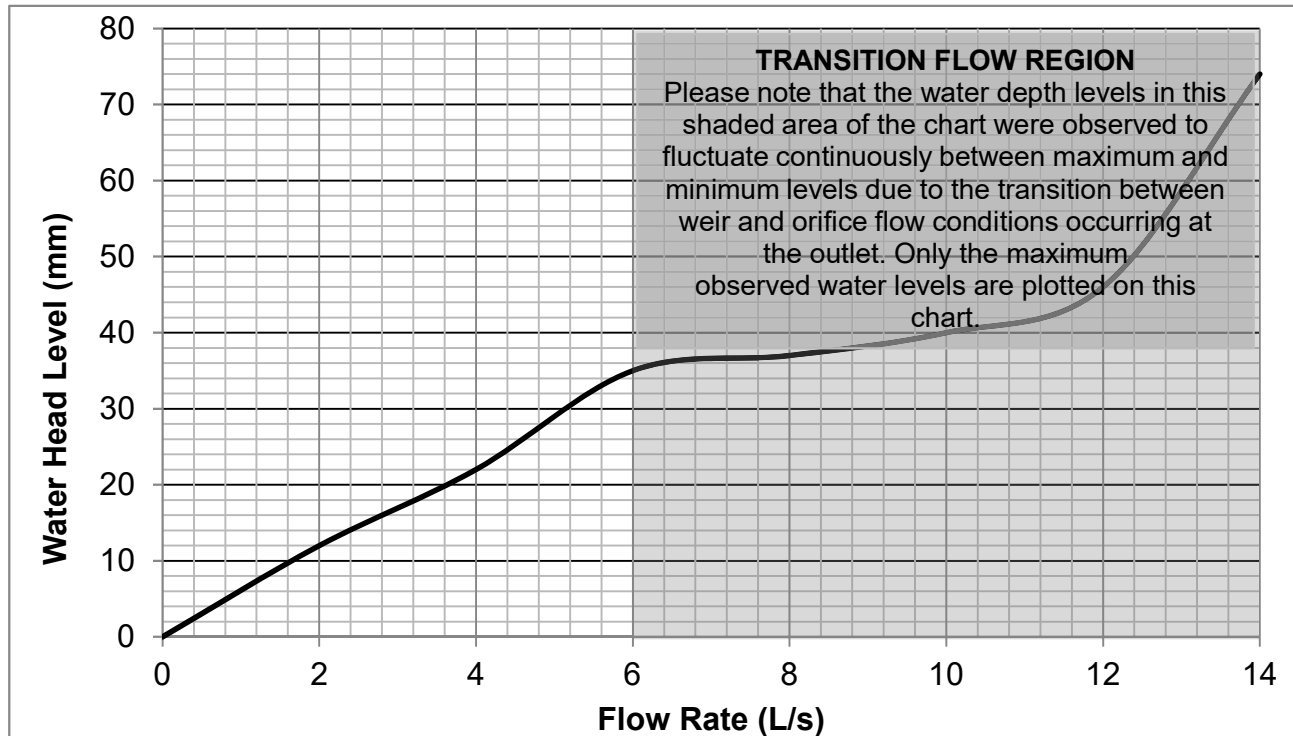
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – TIA150F



Weir Flow 6.0 L/s (35mm)



Orifice flow 10 L/s (40mm)

Observation Comments:

- Flow rates from 0-6.0 L/s (35mm Head) produced a linear characteristic curve with stable water head levels
- At 8.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow
- At 10.0 – 14.0 L/s the flow surcharged characterised by the water level fluctuating 10 – 20 mm.
- The maximum flow limit to maintain weir flow conditions is 6.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



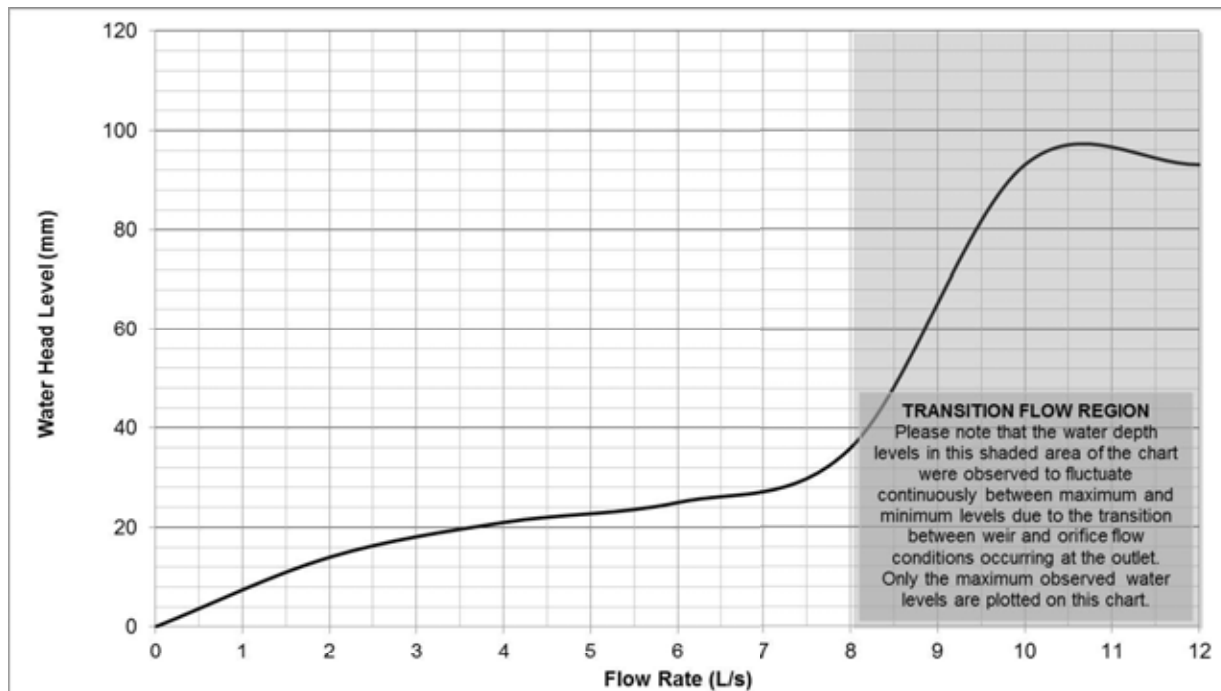
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – TIA100F2



Weir Flow 8 L/s (30mm)



Surcharged flow 12 L/s (90mm)

Observation Comments:

- Flow rates from 0-8.0 L/s (30mm Head) produced a linear characteristic curve with the exception of open outlet which increased water head level rapidly at 6.0 L/s.
- At 10.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow characterised by the water level fluctuating 20mm.
- At 12.0 – 14.0 L/s the flow surcharged with the water head fluctuating 40mm.
- The maximum flow limit to maintain weir flow conditions is 8.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



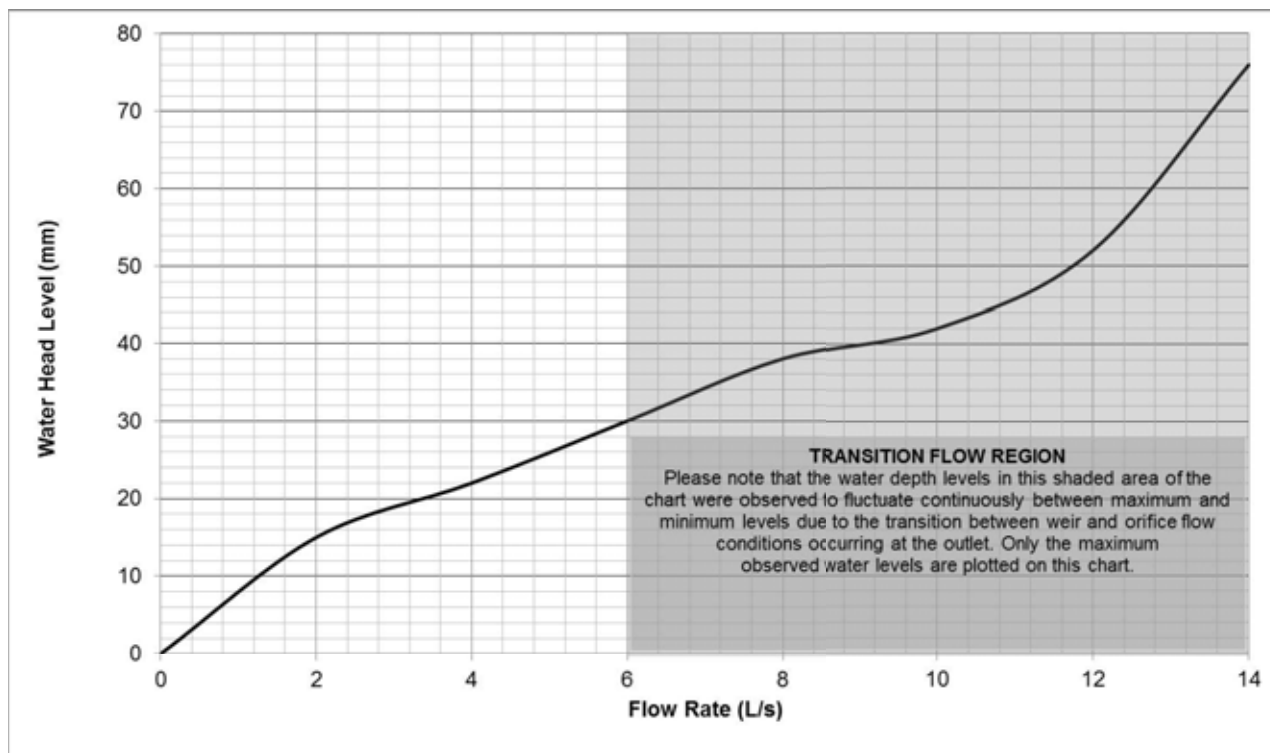
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – TIA150F2



Weir Flow 6 L/s (30mm)



Surcharged Flow 10 L/s (40mm)

Observation Comments:

- Flow rates from 0-6.0 L/s (30mm Head) produced a linear characteristic curve with stable water head levels.
- At 8.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow.
- At 10.0 – 14.0 L/s the flow surcharged characterised by the water level fluctuating 10 - 20mm.
- The maximum flow limit to maintain weir flow conditions is 6.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



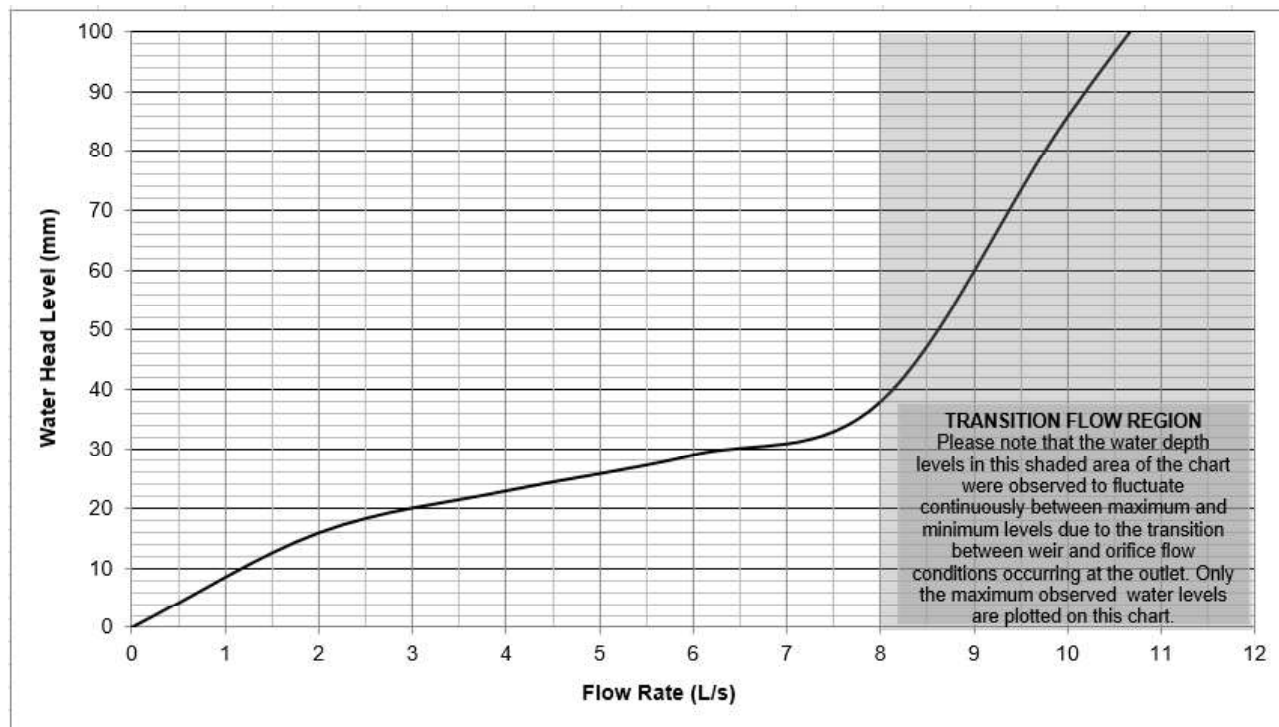
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – TIA100D2



Weir Flow 8 L/s (37mm)



Surcharged Flow >12 L/s

Observation Comments:

- Flow rates from 0-8.0 L/s (37mm Head) produced a linear characteristic curve with the exception of open outlet which increased water head level rapidly at 8.0 L/s.
- At 10.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow characterised by the water level fluctuating 20mm.
- Above 12.0L/s the flow surcharged.
- The maximum flow limit to maintain weir flow conditions is 8.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



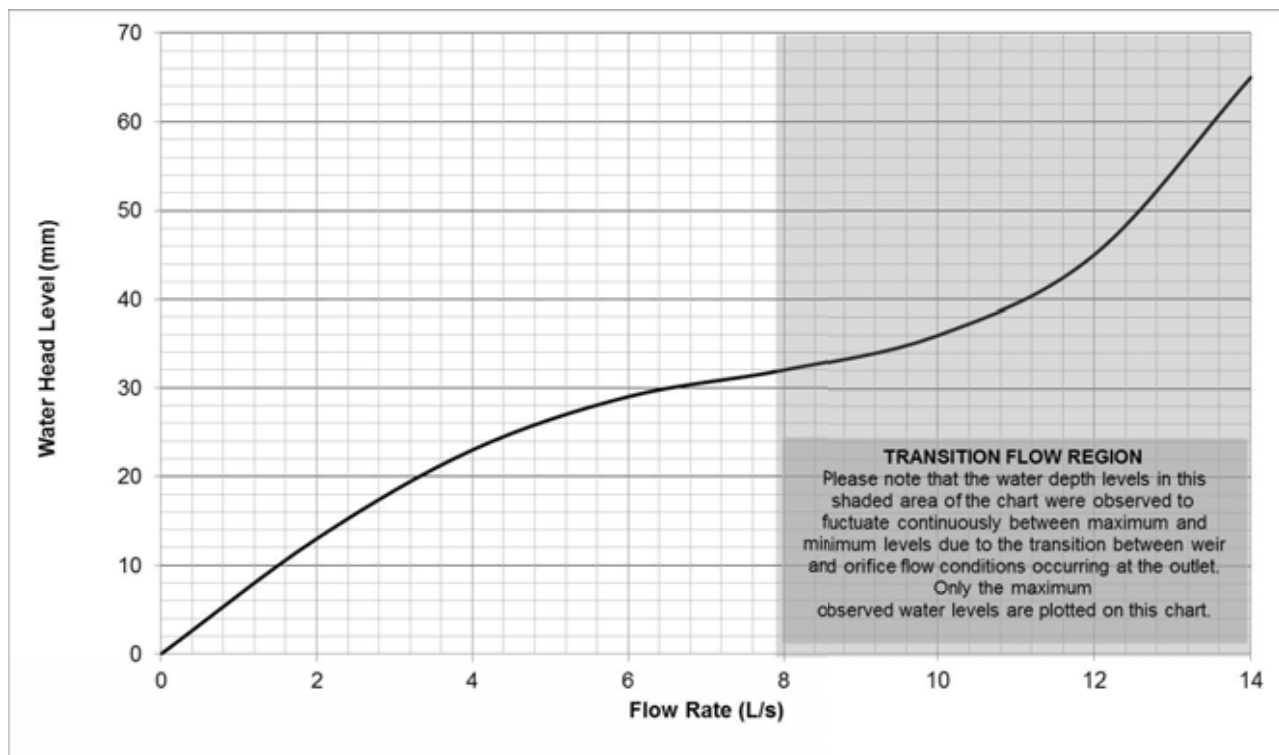
Mark Alexander,
AHSCA Foundation Chairman:



Date: 7th June 2017

Date: 7th June 2017

Flow Characteristic Curve – TIA150D2



Weir Flow – 8 L/s (30mm)



Surcharged Flow – 12 L/s (40mm)

Observation Comments:

- Flow rates from 0-8.0 L/s (30mm Head) produced a linear characteristic curve with stable water head levels.
- At 10.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow.
- At 10.0 – 14.0 L/s the flow surcharged characterised by the water level fluctuating 10 - 20mm.
- The maximum flow limit to maintain weir flow conditions is 8.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



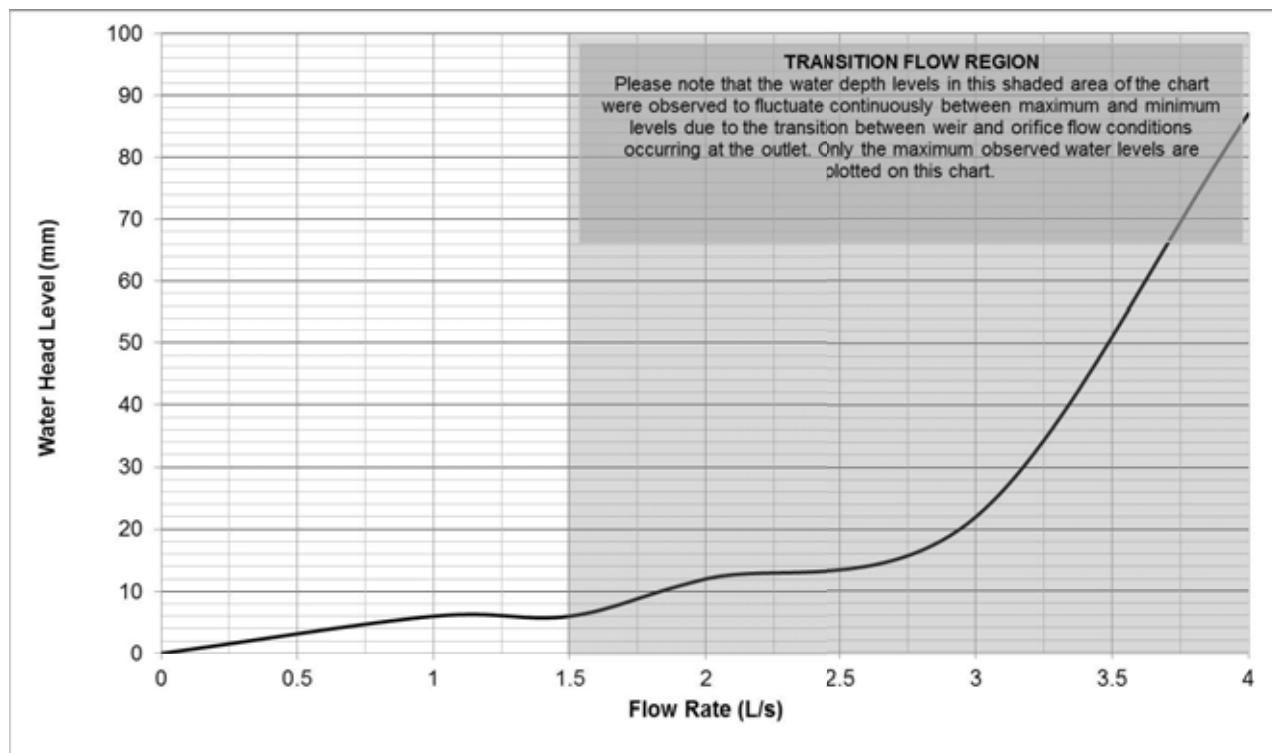
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – TIA80/90F



Weir Flow – 1.5 L/s (6mm)



Surcharged Flow – 3 L/s (22mm)

Observation Comments:

- Flow rates from 0-1.5 L/s (6mm Head) produced a flat characteristic curve with stable water head levels.
- At 2.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow.
- At 3.0 – 4.0 L/s the flow surcharged with the water head rising rapidly to 90mm.
- The maximum flow limit to maintain weir flow conditions is 1.5 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



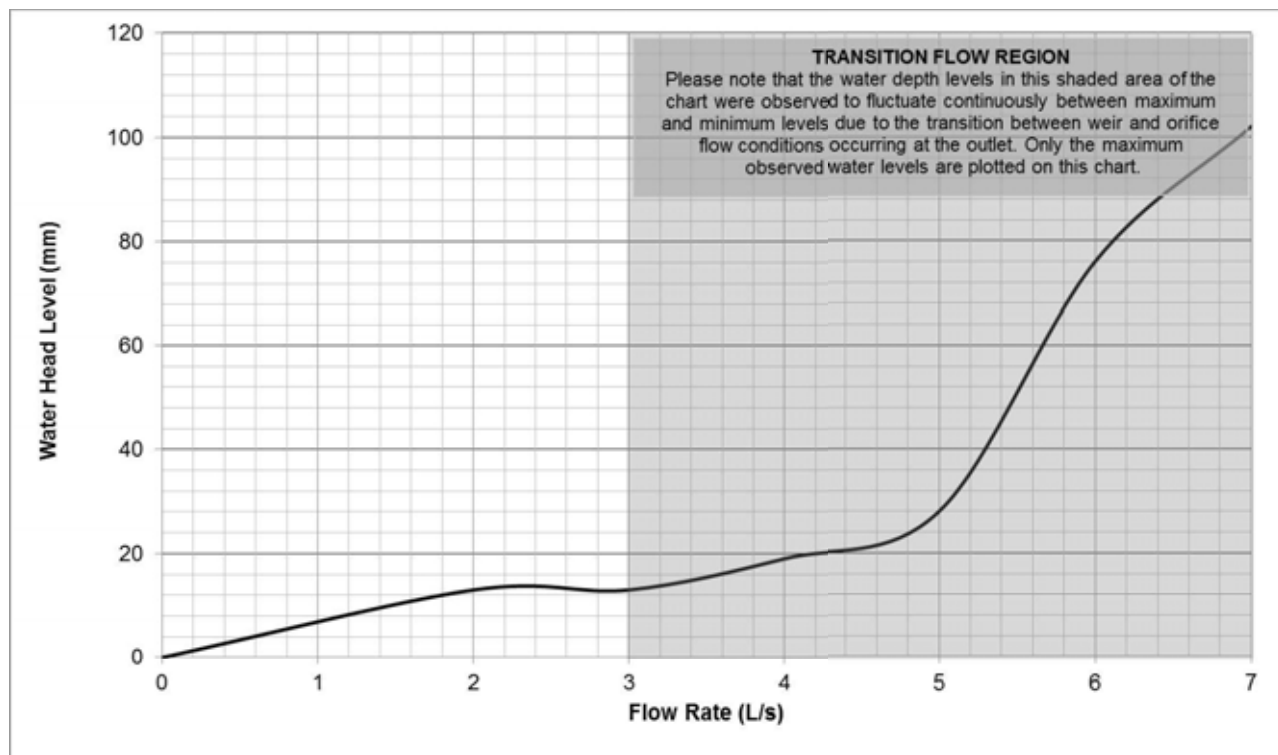
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – TIA100/90F



Weir Flow – 3 L/s (15mm)



Surcharged flow – 4 L/s (20mm)

Observation Comments:

- Flow rates from 2.0-3.0 L/s (15mm Head) produced a flat characteristic curve with stable water head levels.
- At 4.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow.
- At 5.0 – 7.0 L/s the flow surcharged with the water head rising rapidly to 100mm.
- The maximum flow limit to maintain weir flow conditions is 3.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



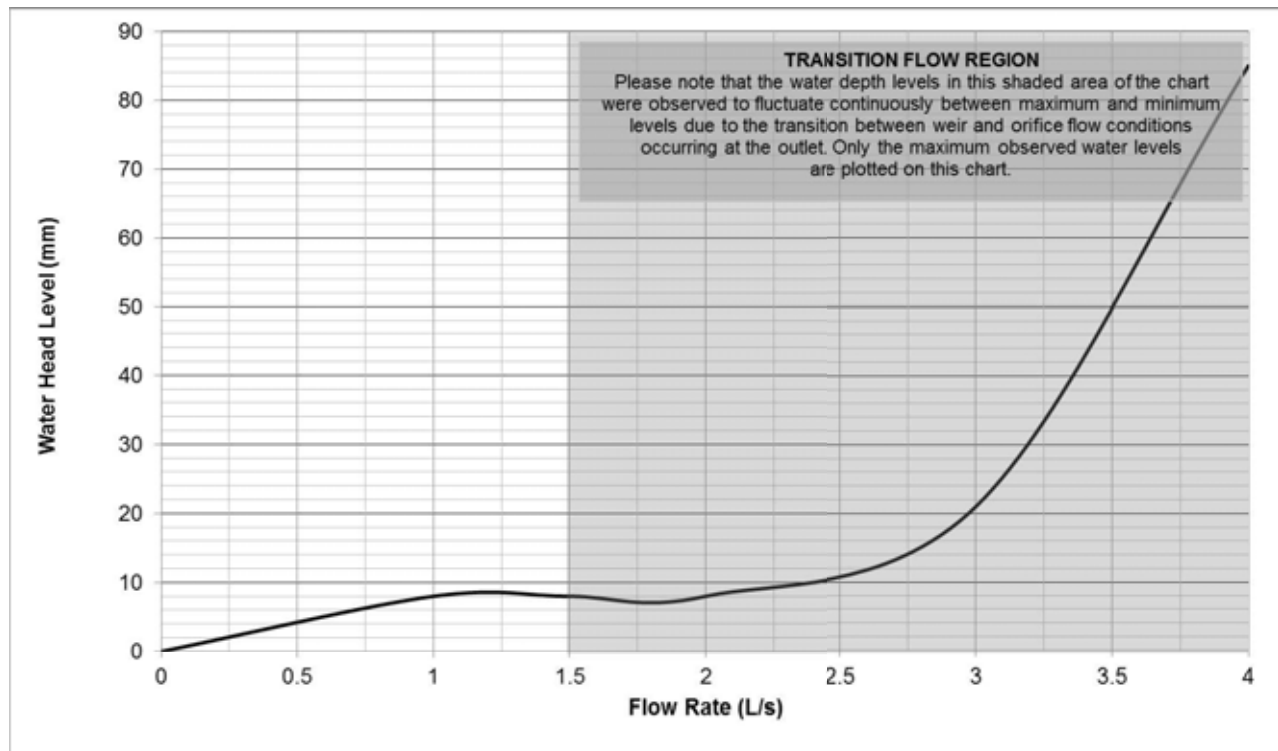
Date: 16th November 2016

Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Flow Characteristic Curve – TIA80/90F2



Weir Flow – 1.5 L/s (8mm)



Surcharged Flow – 3 L/s (20mm)

Observation Comments:

- Flow rates from 0-1.5 L/s (8mm Head) produced a flat characteristic curve with stable water head levels.
- At 2.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow.
- At 3.0 – 4.0 L/s the flow surcharged with the water head rising rapidly to 90mm.
- The maximum flow limit to maintain weir flow conditions is 1.5 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



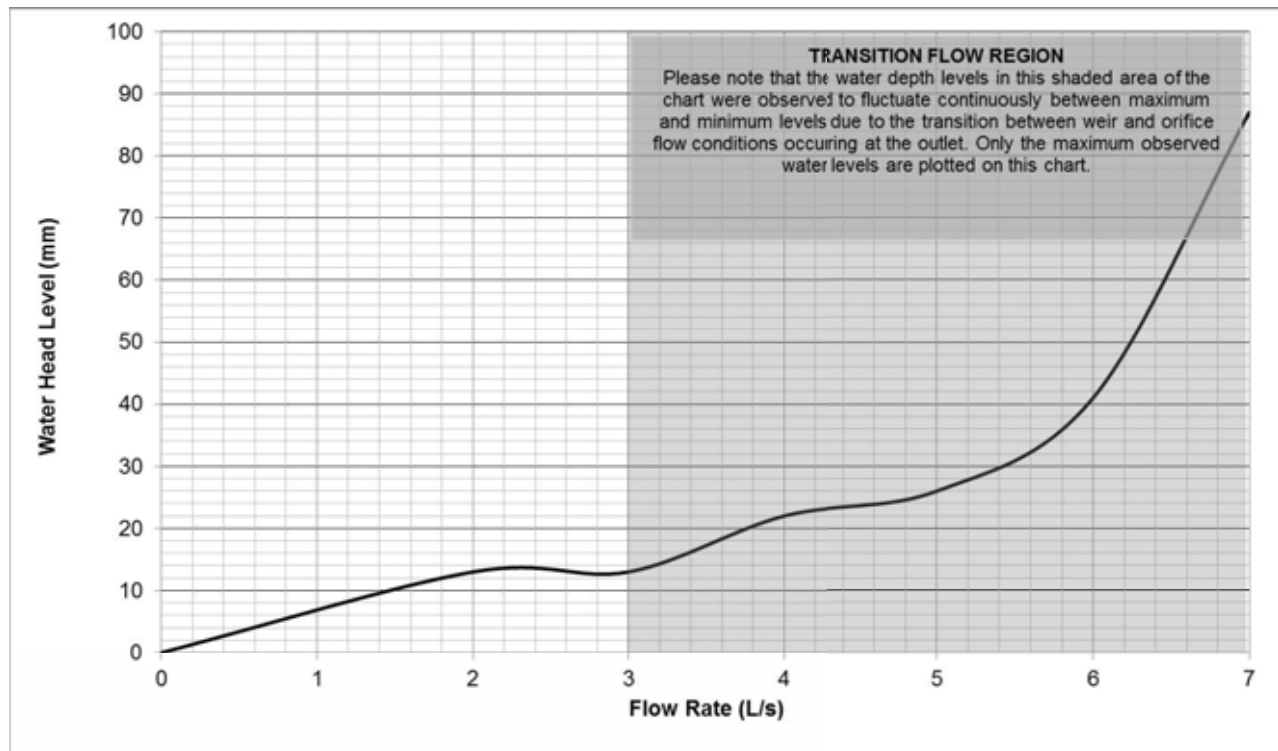
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – TIA100/90F2



Weir Flow – 3 L/s (13mm)



Vortex/surcharged flow 4 L/s (20mm)

Observation Comments:

- Flow rates from 2.0-3.0 L/s (13mm Head) produced a flat characteristic curve with stable water head levels.
- At 4.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow.
- At 5.0 – 7.0 L/s the flow surcharged with the water head rising rapidly to 90mm.
- The maximum flow limit to maintain weir flow conditions is 3.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



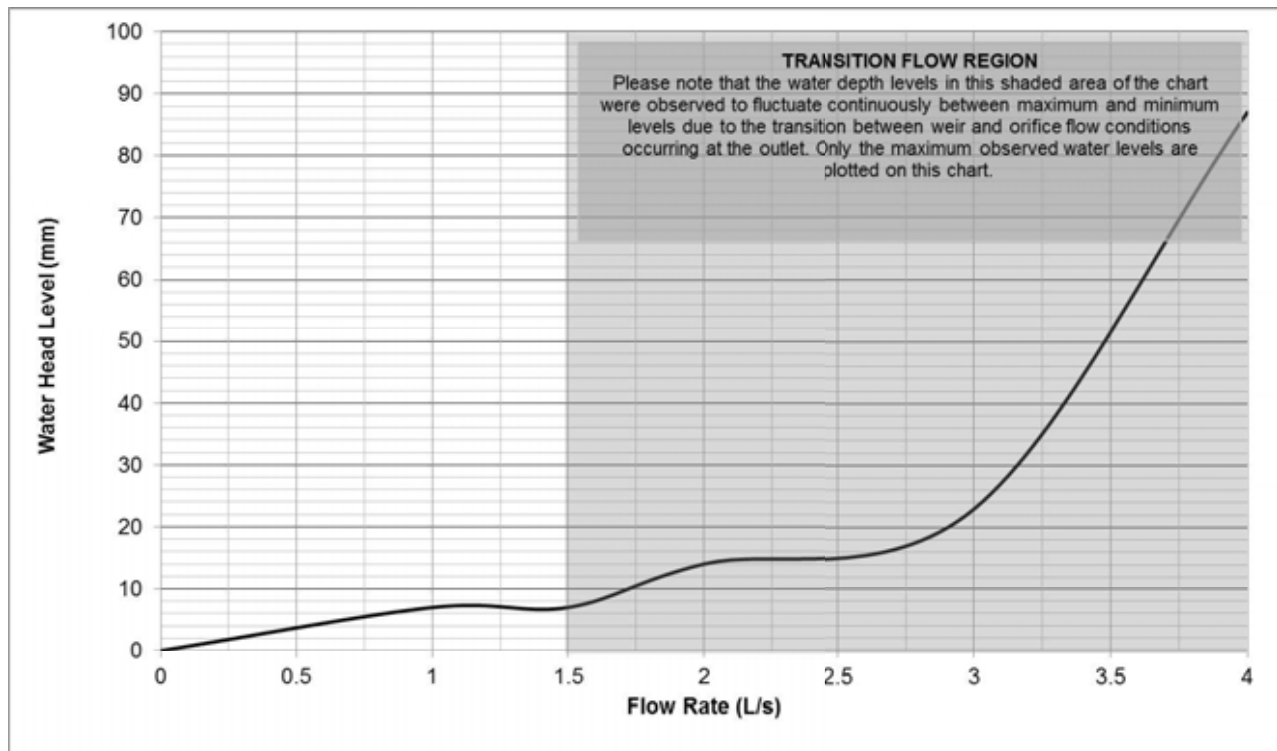
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – TIA80/90D2



Weir Flow – 1.5 L/s (7mm)



Surcharged Flow 3 L/s (20mm)

Observation Comments:

- Flow rates from 0-1.5 L/s (7mm Head) produced a flat characteristic curve with stable water head levels.
- At 2.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow.
- At 3.0 – 4.0 L/s the flow surcharged with the water head rising rapidly to 90mm.
- The maximum flow limit to maintain weir flow conditions is 1.5 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



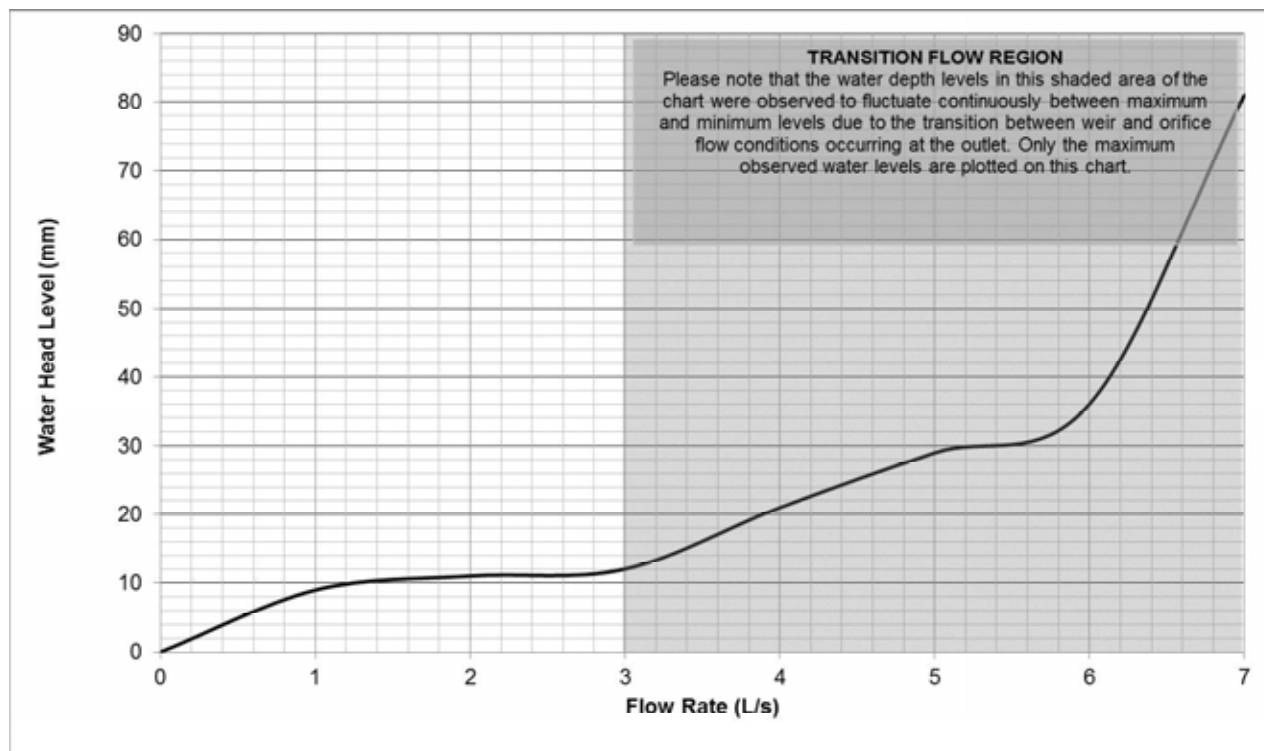
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – TIA100/90D2



Weir Flow – 3 L/s (12mm)



Surcharged flow 5 L/s (30mm)

Observation Comments:

- Flow rates from 2.0-3.0 L/s (12mm Head) produced a flat characteristic curve with stable water head levels.
- At 4.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow.
- At 5.0 – 7.0 L/s the flow surcharged with the water head rising rapidly to 80mm.
- The maximum flow limit to maintain weir flow conditions is 3.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



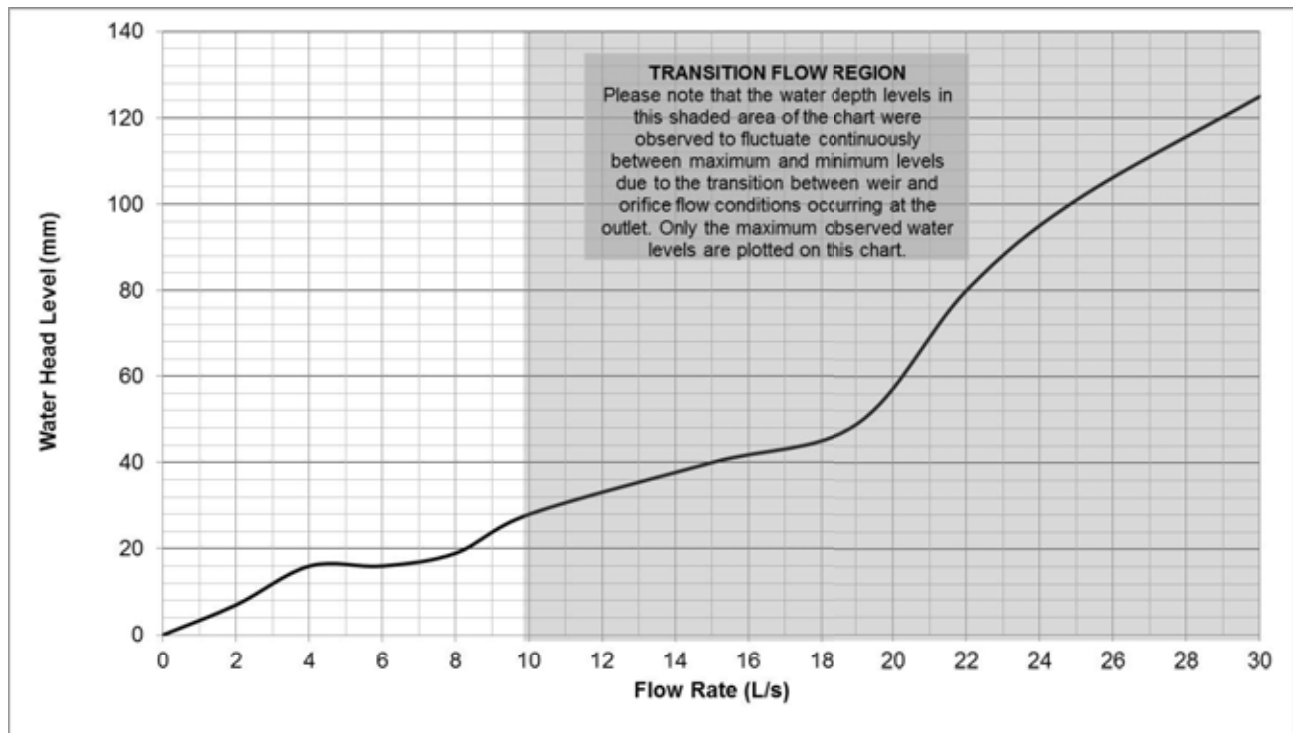
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – SIA150F



Weir Flow 10.0 L/s (25mm)



Surcharged Flow 14 L/s (35mm)

Observation Comments:

- Flow rates from 0-10.0 L/s (25mm Head) produced a flat characteristic curve with stable water head levels.
- At 12.0 – L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow, then choking between 14.0-20.0 L/s and the water head rising to 50mm.
- The maximum flow limit to maintain weir flow conditions is 10.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



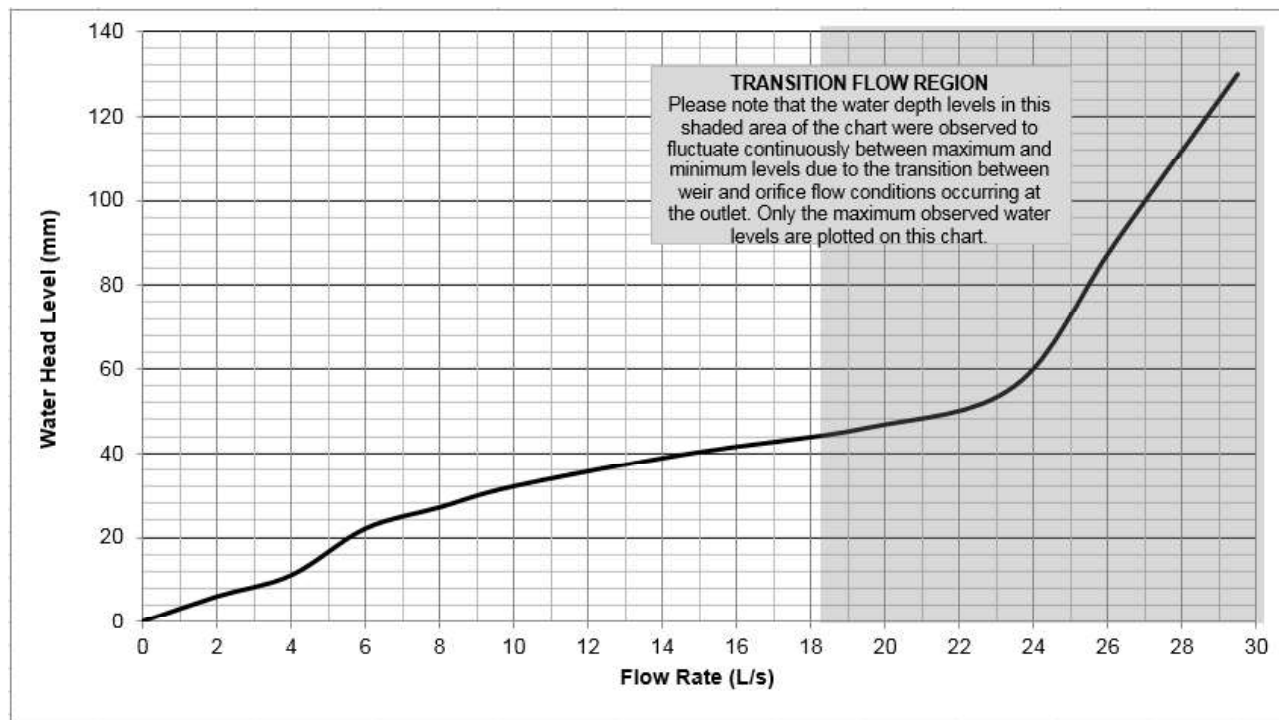
Mark Alexander,
AHSCA Foundation Chairman:



Date: 24th January 2017

Date: 24th January 2017

Flow Characteristic Curve – SIA150D2



Weir Flow 18 L/s (42mm)



Surcharged Flow - 20 L/s (40mm)

Observation Comments:

- Flow rates from 0-18.0 L/s (42mm Head) produced a flat characteristic curve with stable water head levels.
- At 20.0 – 22.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow.
- The maximum flow limit to maintain weir flow conditions is 18.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



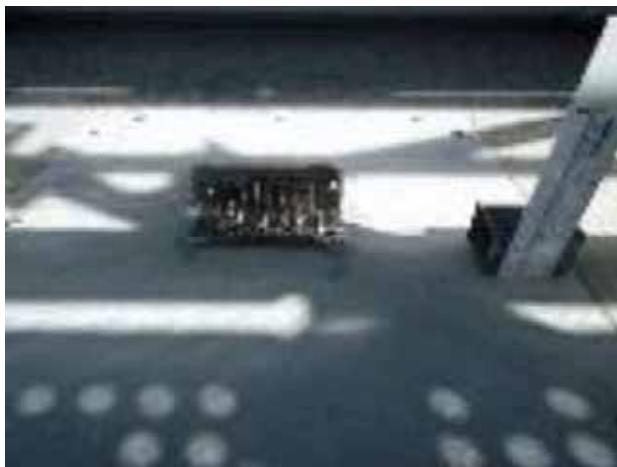
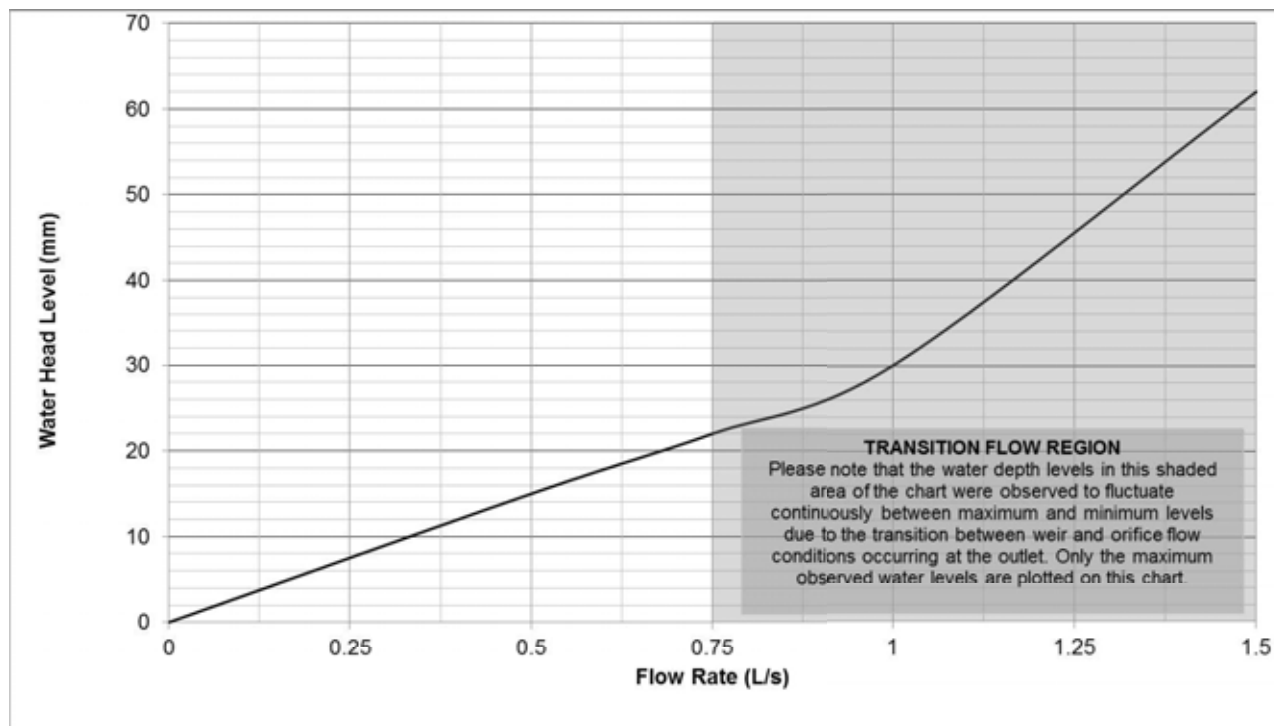
Mark Alexander,
AHSCA Foundation Chairman:



Date: 17th January 2017

Date: 17th January 2017

Flow Characteristic Curve – PD50CS



Weir Flow – 0.75 L/s (22mm)



Surcharged Flow – 1 L/s (30mm)

Observation Comments:

- Flow rates from 0-0.75 L/s (22mm Head) produced a flat characteristic curve.
- At 1.0 L/s the weir flow transitioned to surcharged flow with the water head rising rapidly to 60mm at 1.5 L/s.
- The maximum flow limit to maintain weir flow conditions is 0.75 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



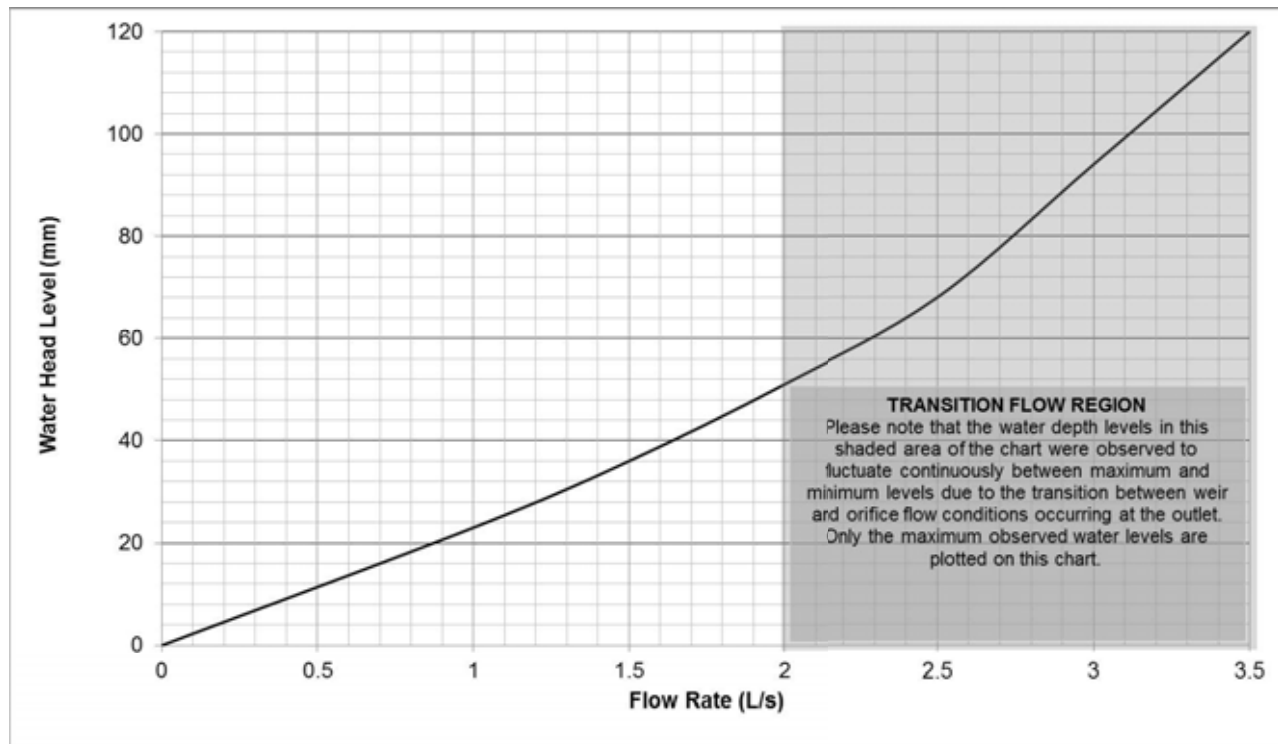
Date: 16th November 2016

Mark Alexander,
AHSCA Foundation Chairman:

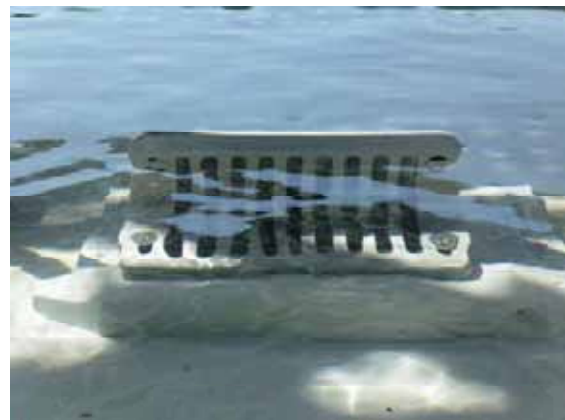


Date: 16th November 2016

Flow Characteristic Curve – PD80CS



Weir Flow – 2 L/s (50mm)



Surcharged Flow – 3.5 L/s (120mm)

Observation Comments:

- Flow rates from 0-2.0 L/s (50mm Head) produced a flat characteristic curve with weir flow conditions.
- At 2.5 L/s the weir flow transitioned to vortex flow, then to surcharged flow at 3.5 L/s (120mm) characterised by a sudden priming of the outlet and water level fluctuating 50mm.
- The maximum flow limit to maintain weir flow conditions is 2.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



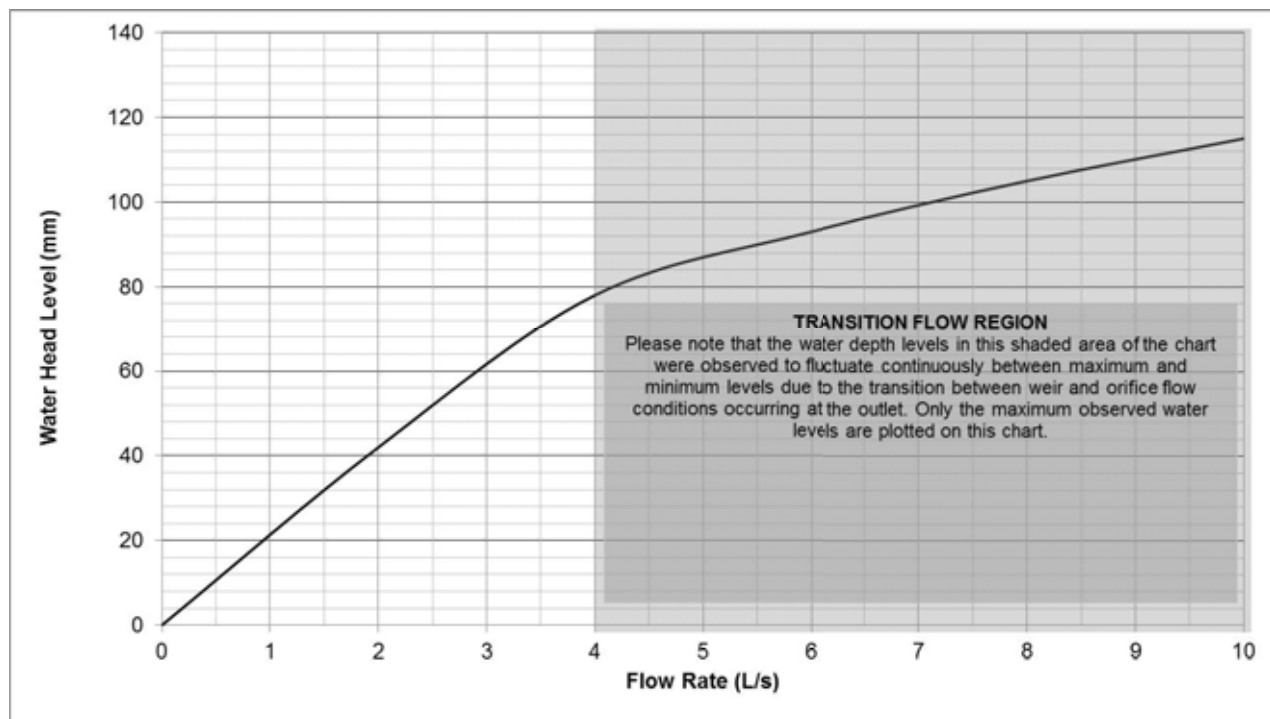
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – PD100CS



Weir Flow – 4.0 L/s (80mm)



Vortex Flow 10.0 L/s (115mm)

Observation Comments:

- Flow rates from 0-4.0 L/s (80mm Head) produced a flat characteristic curve with weir flow conditions.
- At 5.0 L/s the weir flow transitioned to vortex flow, and remained in vortex flow up to 10.0 L/s (115mm).
- The maximum flow limit to maintain weir flow conditions is 4.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



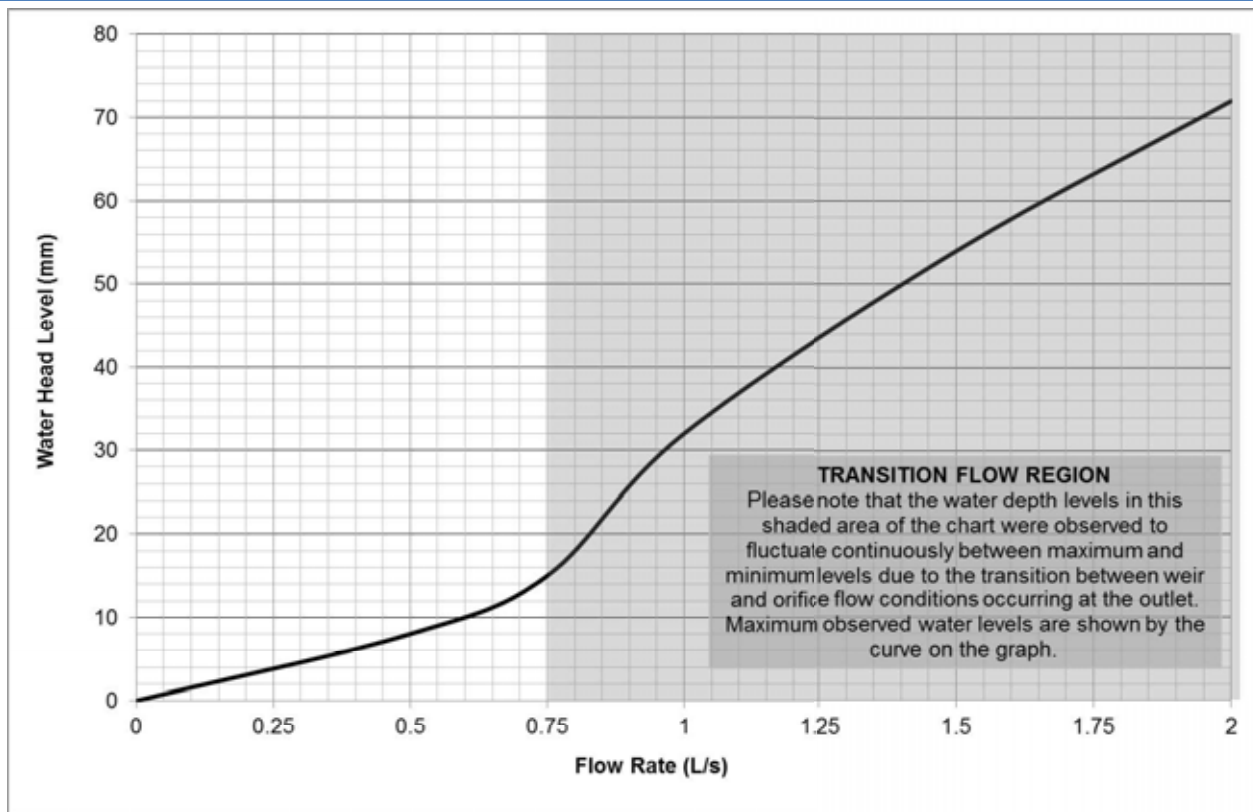
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve - Q100/80SR



Weir Flow – 0.75 L/s (14 mm)



Orifice Flow – 1.5 L/s (50 mm)

Observation Comments:

- Flow rates from 0 - 0.75 L/s (14 mm Head) produced a linear characteristic curve.
- At 1.0 L/s the weir flow transitioned to orifice flow conditions.
- Flow rates between 1.0 - 2.0 L/s were observed to fluctuate between weir and orifice conditions. The maximum stable water level achieved was 70 mm at a flowrate of 2.0 L/s. Increasing the flowrate beyond this value caused the tank to surcharge.
- The maximum flow limit to maintain weir flow conditions was 0.75 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



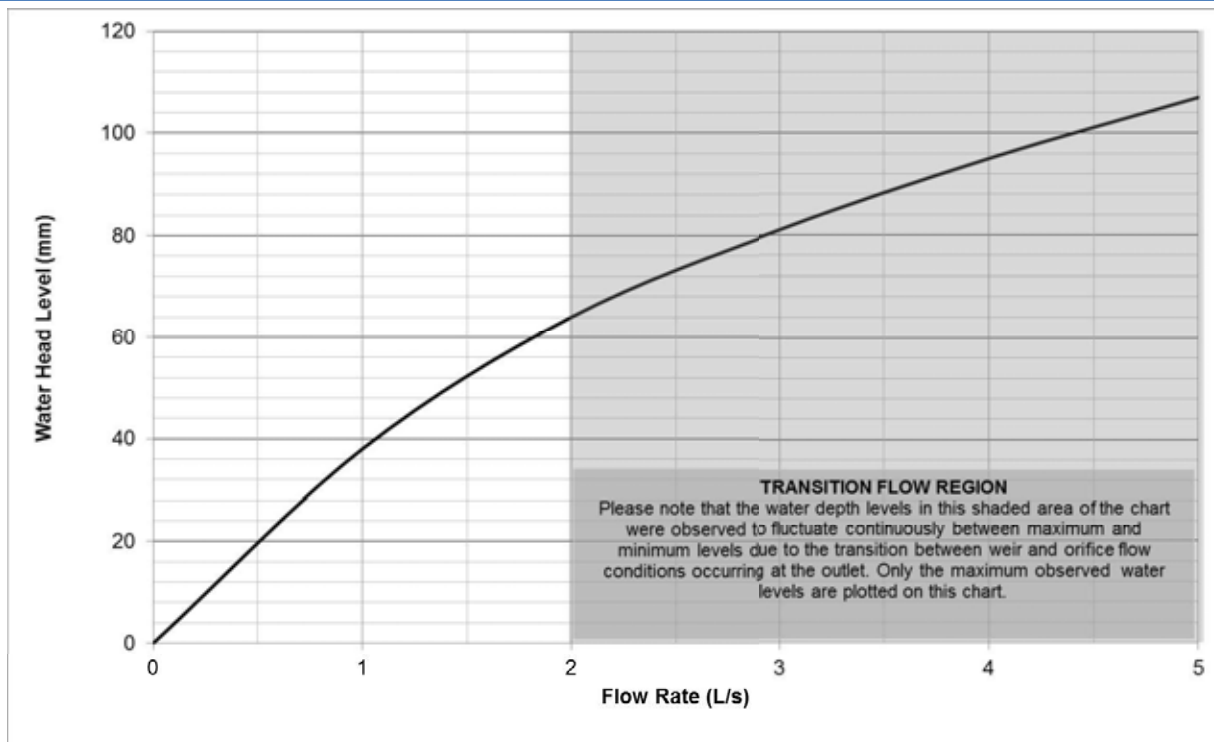
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve - R130SR4



Weir flow - 1 L/s (40mm)



Orifice Flow - 3.0 L/s (80mm)

Observation Comments:

- A concentric swirl pattern and air core was observed which indicated weir flow conditions, with the water head level stabilising at each flow rate setpoint from 0-2.0 L/s producing a linear characteristic curve for all outlet pipe connections.
- At 3.0 L/s a transition from swirl motion to vortex flow was observed, as the air core decreased and moved to the side of the grate. At 3.0 L/s the vortex surcharged and transitioned to orifice conditions were characterised by the water level surging down 10 -20mm.
- The maximum flow limit to maintain weir flow conditions is 2.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



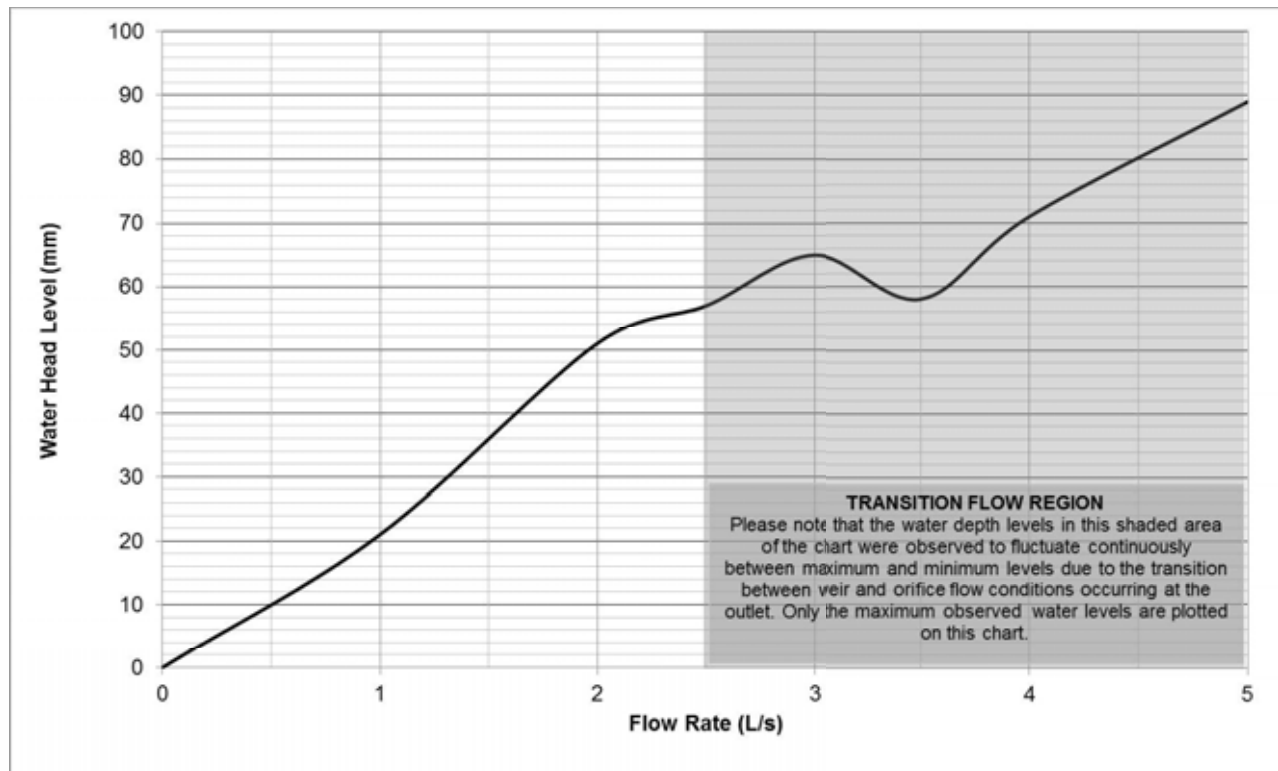
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – Q130SR4



Weir flow - 1 L/s (20mm)



Surcharged flow – 3 L/s (65mm)

Observation Comments:

- Flow rates from 0-2.5 L/s (55mm Head) produced a linear characteristic curve. At 3.0 - 3.5 L/s the weir flow transitioned to vortex flow, then surcharged with the head level stabilising at 55mm.
- From 3.5 - 5 L/s the flow conditions cycled between vortex and surcharged flow characterised by the water level fluctuating 20mm.
- The maximum flow limit to maintain weir flow conditions is 2.5 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



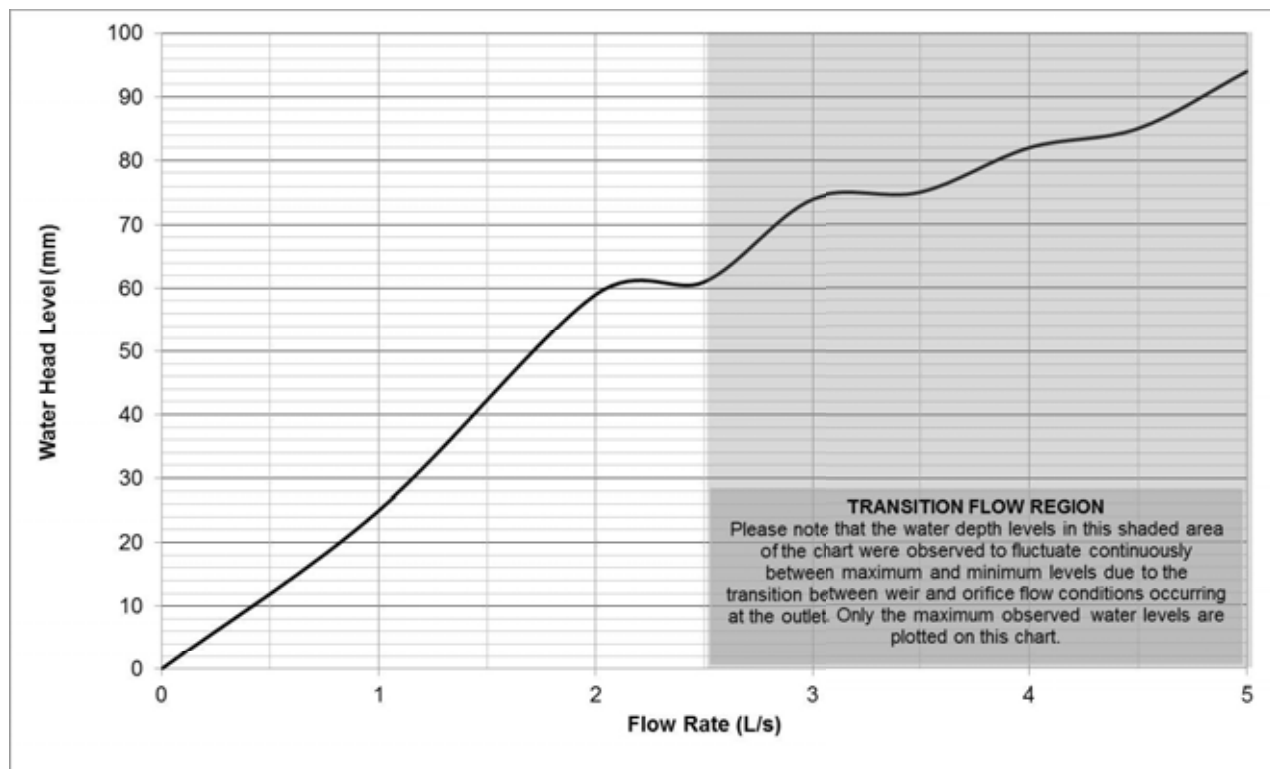
Date: 16th November 2016

Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Flow Characteristic Curve - R150SR4



Weir flow - 1 L/s (25mm)



Surcharged flow – 3 L/s (75mm)

Observation Comments:

- Flow rates from 0-2 L/s (60mm Head) produced a linear characteristic curve. At 2.5 L/s the weir flow transitioned to vortex flow with the head level stabilising at 55-60mm.
- Flow rates from 3-5 L/s the vortex surcharged and transitioned to orifice conditions, characterised by the water level fluctuating 10 -20mm.
- The maximum flow limit to maintain weir flow conditions is 2.5 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



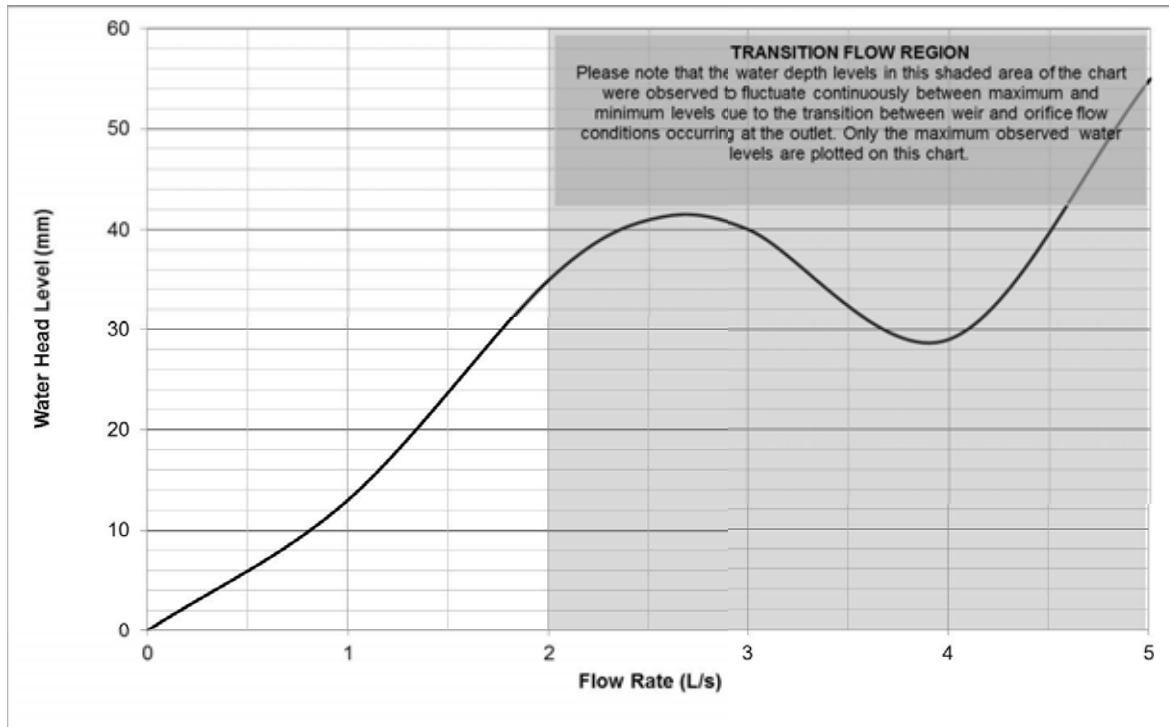
Date: 16th November 2016

Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Flow Characteristic Curve – Q150SR4



Weir flow - 2 L/s (35mm)



Surcharged flow - 3 L/s (40mm)

Observation Comments:

- Flow rates from 0-2.0 L/s (35mm Head) produced a linear characteristic curve. At 2.5 - 3.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow characterised by the water level fluctuating 20mm.
- At 4.0 L/s the flow surcharged and stabilised at 30mm head level.
- Flowrates between 5-6 L/s produced surcharged flow conditions with the water head rising steadily and stabilising.
- The maximum flow limit to maintain weir flow conditions is 2.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



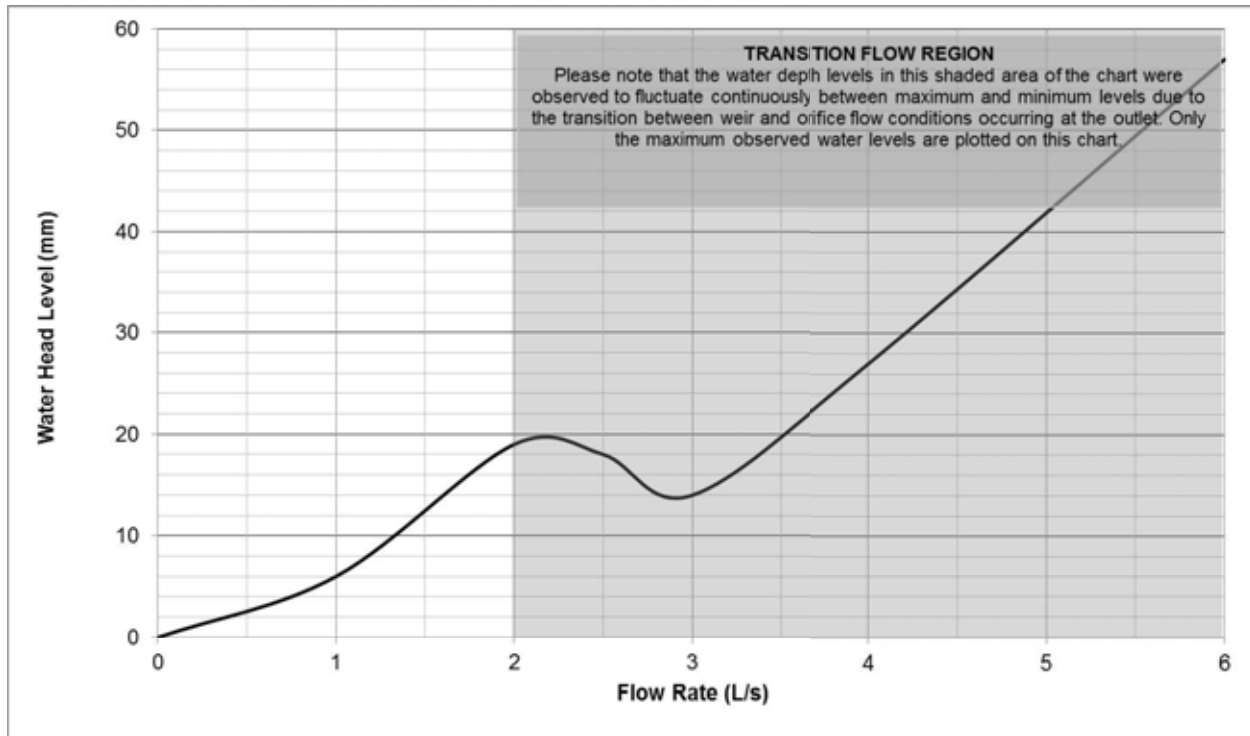
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – Q200SR4



Weir Flow – 2 L/s (20mm)



Surcharged Flow 4 L/s (27mm)

Observation Comments:

- Flow rates from 0-2.0 L/s (20mm) produced a linear characteristic curve which began to flatten at 2.5 L/s.
- At 3.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow characterised by the water level fluctuating 10mm.
- At 4.0 L/s the flow surcharged.
- Flowrates between 5-8 L/s produced surcharged flow conditions with the water head rising rapidly or fluctuating 40mm with the vertical pipe.
- The maximum flow limit to maintain weir flow conditions is 2.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



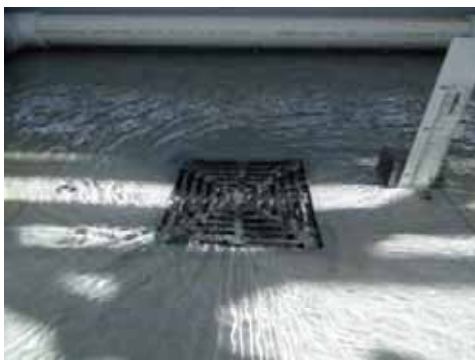
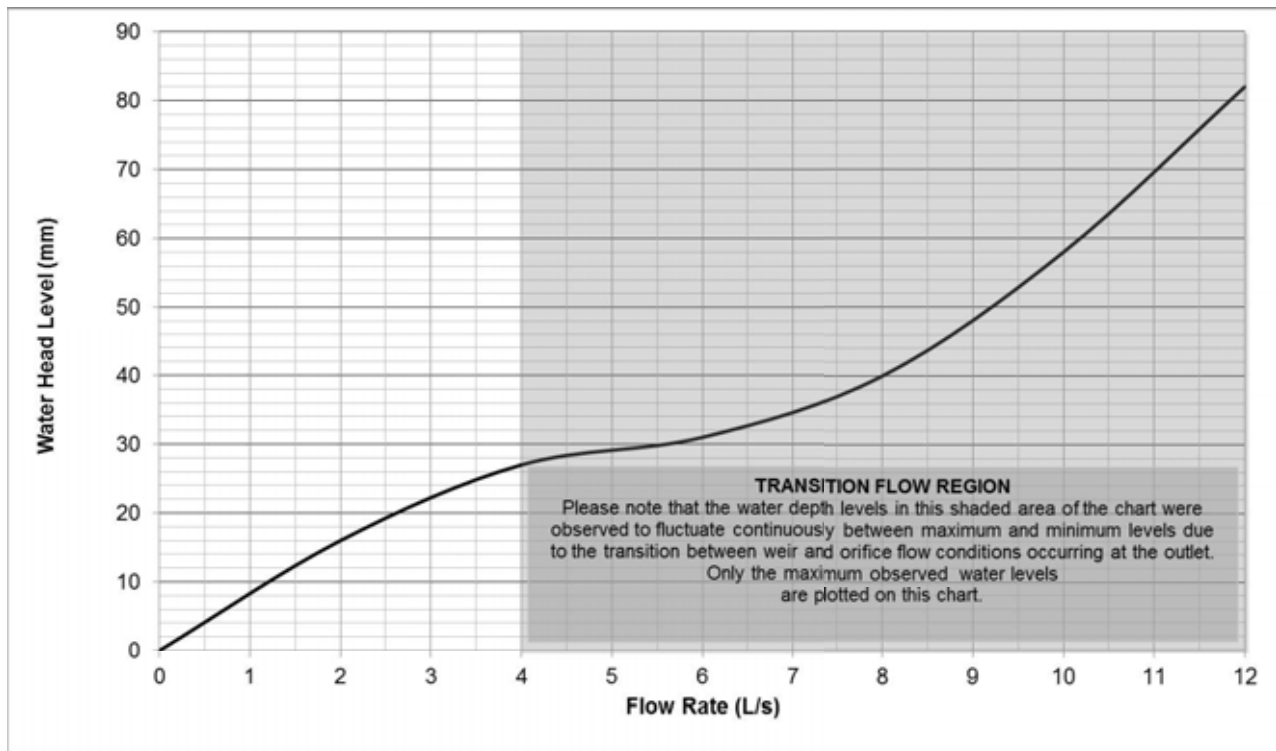
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – Q200/150SR



Weir Flow – 4 L/s (25mm)



Surcharged Flow – 6 L/s (30mm)

Observation Comments:

- Flow rates from 0-4.0 L/s (25mm Head) produced a linear characteristic.
- At 5.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow characterised by the water level fluctuating 10mm.
- Flowrates between 6.0-12.0 L/s produced surcharged flow conditions with the water head rising rapidly to 80mm.
- The maximum flow limit to maintain weir flow conditions is 4.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



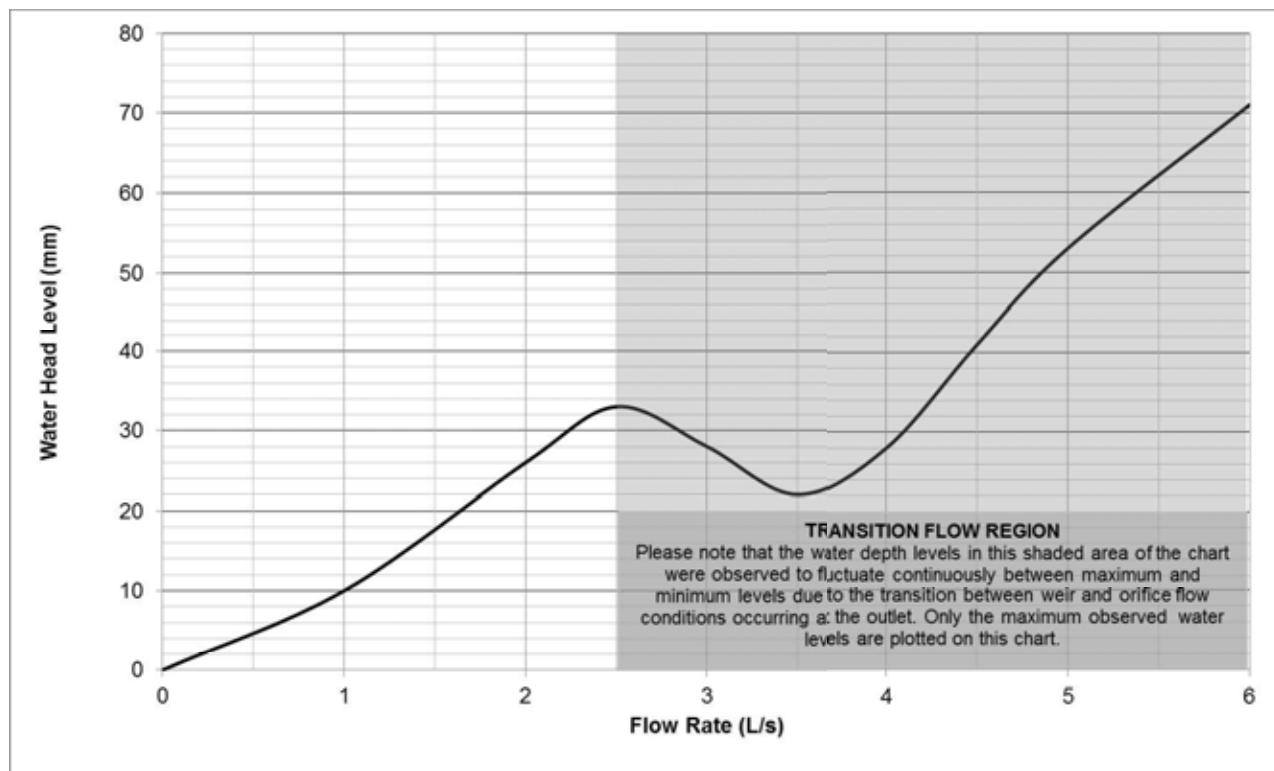
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – R225SR4



Weir flow - 1 L/s (10mm)



Surcharged flow – 3 L/s (30mm)

Observation Comments:

- Flow rates from 0-2.5 L/s (35mm Head) produced a linear characteristic curve.
- At 3.0 L/s the weir flow transitioned to vortex flow, then surcharged. From 3.5 - 6 L/s the flow conditions cycled between vortex and surcharged flow characterised by the water level fluctuating 10 -20mm.
- The maximum flow limit to maintain weir flow conditions is 2.5 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



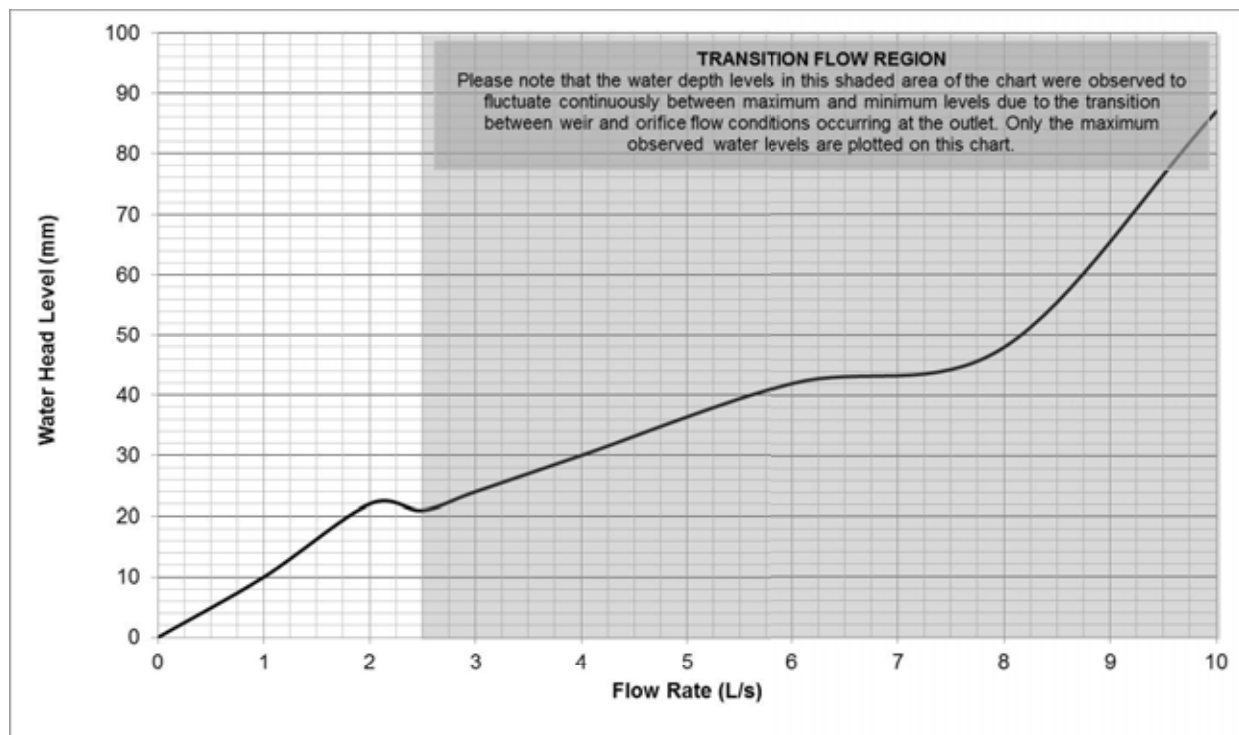
Date: 16th November 2016

Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Flow Characteristic Curve – Q225/150SR4



Weir Flow – 2.5 L/s (20mm)



Surcharged Flow – 6 L/s (40mm)

Observation Comments:

- Flow rates from 0-2.0 L/s (20mm Head) produced a linear characteristic curve which began to flatten at 2.5 L/s.
- At 3.0-4.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow characterised by the water level fluctuating 5mm.
- Flowrates between 5-10 L/s produced surcharged flow conditions with the water head rising rapidly to 90mm.
- The maximum flow limit to maintain weir flow conditions is 2.5 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



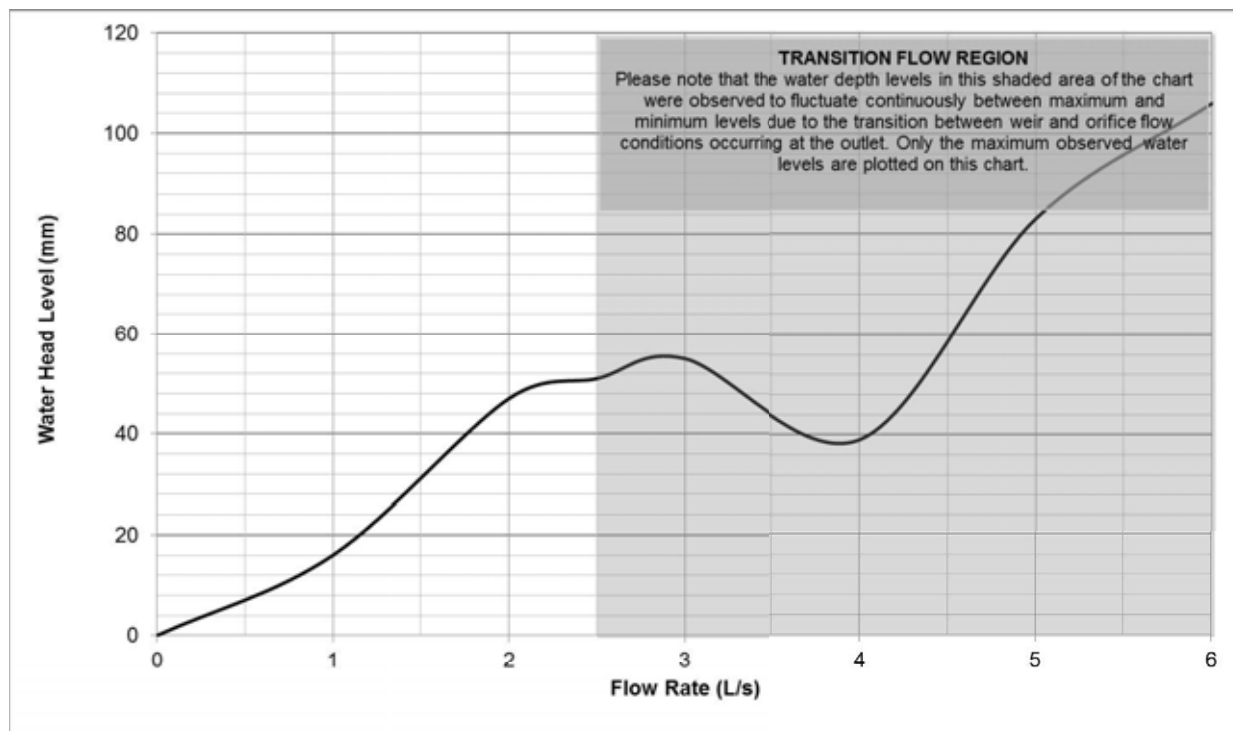
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – R150S4/C



Weir Flow – 2.5 L/s (50mm)



Surcharged flow – 4 L/s (30mm)

Observation Comments:

- Flow rates from 0-2.5 L/s (50mm) produced a linear characteristic curve which began to flatten at 2.5 L/s.
- At 3.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow characterised by the water level fluctuating 20mm.
- At 4.0 L/s the flow surcharged and stabilised at 30mm head level.
- Flowrates between 5-6 L/s produced surcharged flow conditions with the water head fluctuating 40mm.
- The maximum flow limit to maintain weir flow conditions is 2.5 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



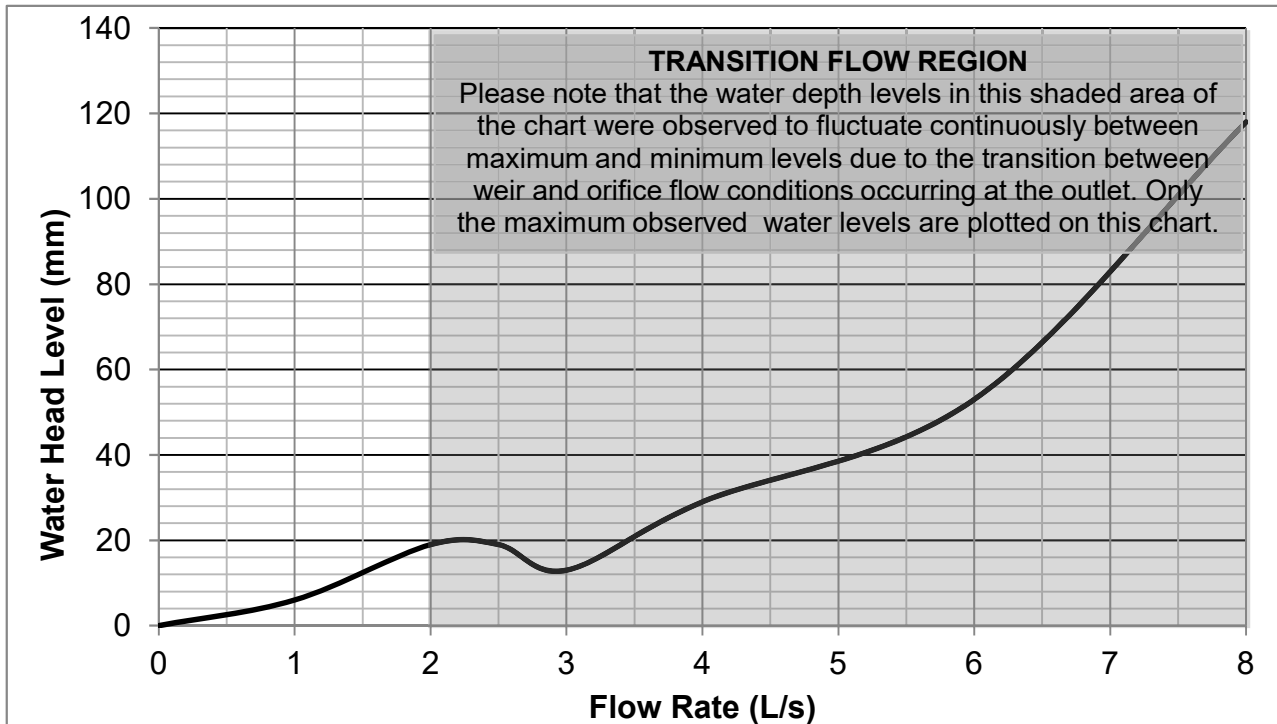
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – Q200S4/C



Weir Flow – 2.0 L/s (20mm)



Orifice flow – 4.0 L/s (30mm)

Observation Comments:

- Flow rates from 0-2.0 L/s (20mm Head) produced a linear characteristic curve which began to flatten at 2.5 L/s.
- At 3.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow characterised by the water level fluctuating 10mm.
- At 4.0 L/s the flow surcharged.
- Flowrates between 5.0-8.0 L/s produced surcharged flow conditions with the water head rising rapidly or fluctuating 40 mm with the vertical pipe.
- The maximum flow limit to maintain weir flow conditions is 2.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



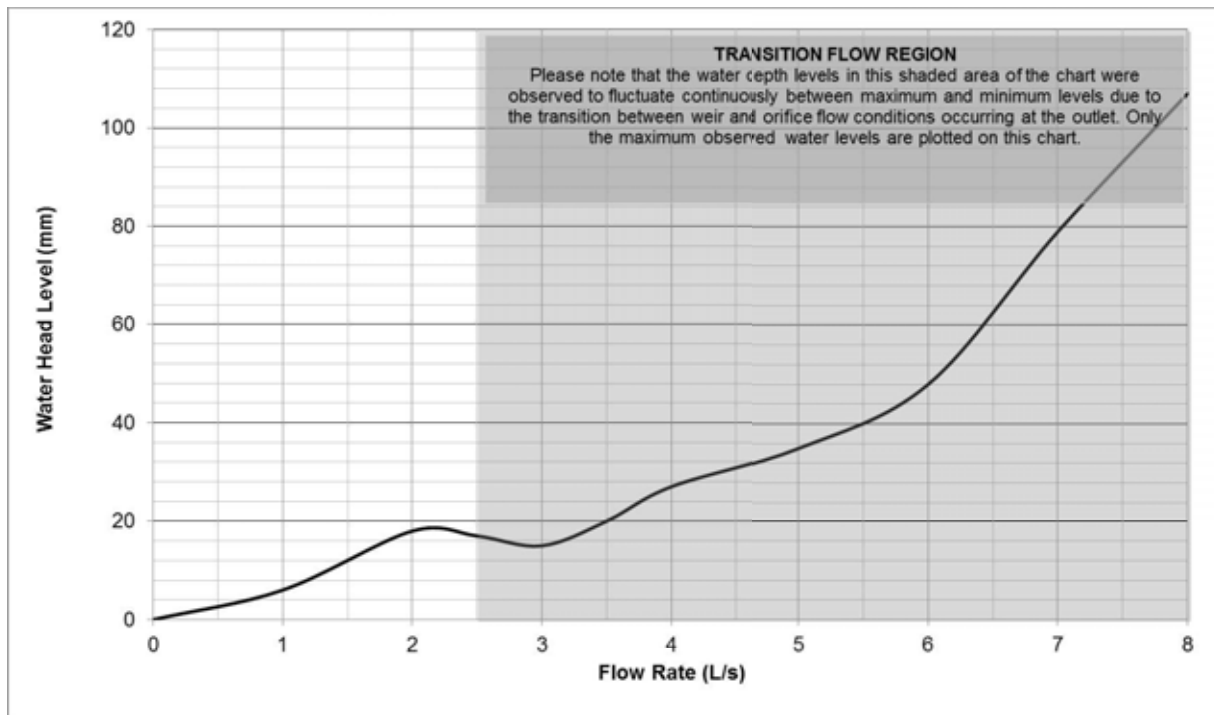
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – R225S4C



Weir Flow – 2.5 L/s (15mm)



Surcharged flow – 4 L/s (30mm)

Observation Comments:

- Flow rates from 0-2.5 L/s (15mm Head) produced a linear characteristic curve which began to flatten at 2.5 L/s.
- At 3.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow characterised by the water level fluctuating 10mm.
- At 4.0 L/s the flow surcharged and stabilised at 30mm head level.
- Flowrates between 5-8 L/s produced surcharged flow conditions with the water head fluctuating 40mm.
- The maximum flow limit to maintain weir flow conditions is 2.5 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:

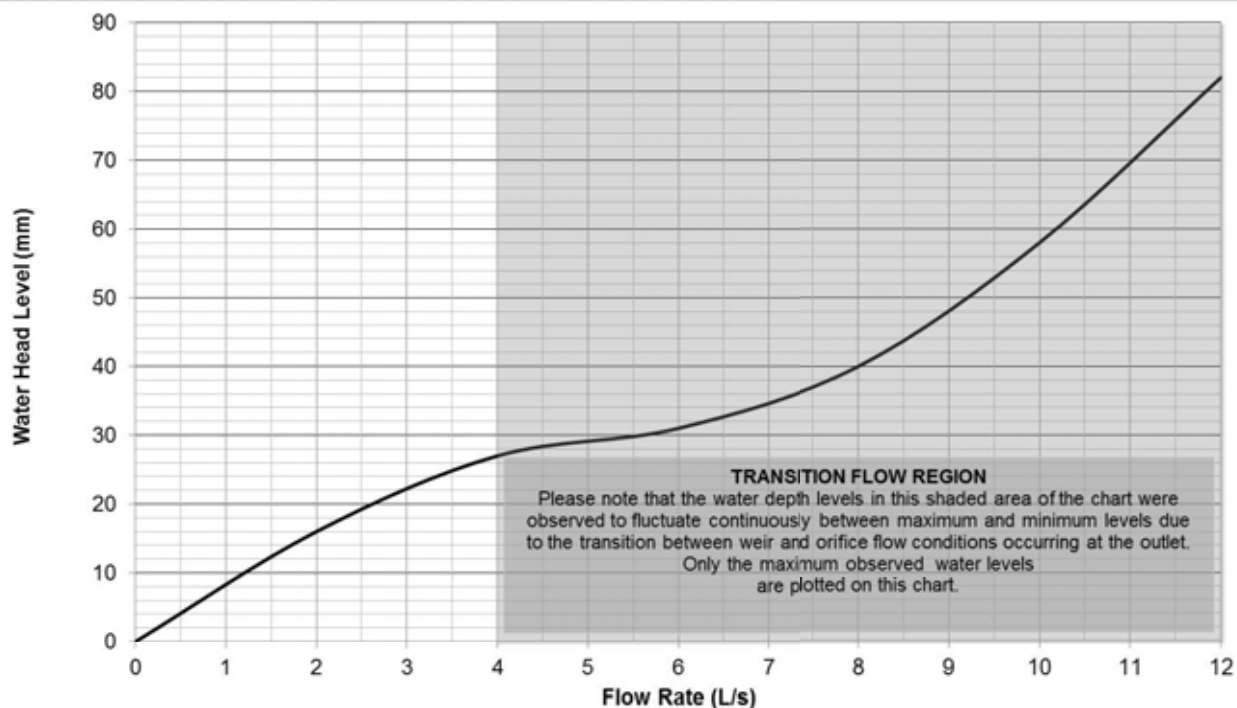


Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016



Weir Flow – 4 L/s (25mm)



Orifice Flow – 6 L/s (30mm)

Observation Comments:

- Flow rates from 0-4.0 L/s (25mm Head) produced a linear characteristic.
- At 5.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow characterised by the water level fluctuating 10mm.
- Flowrates between 6.0-12.0 L/s produced surcharged flow conditions with the water head rising rapidly to 80mm.
- The maximum flow limit to maintain weir flow conditions is 4.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



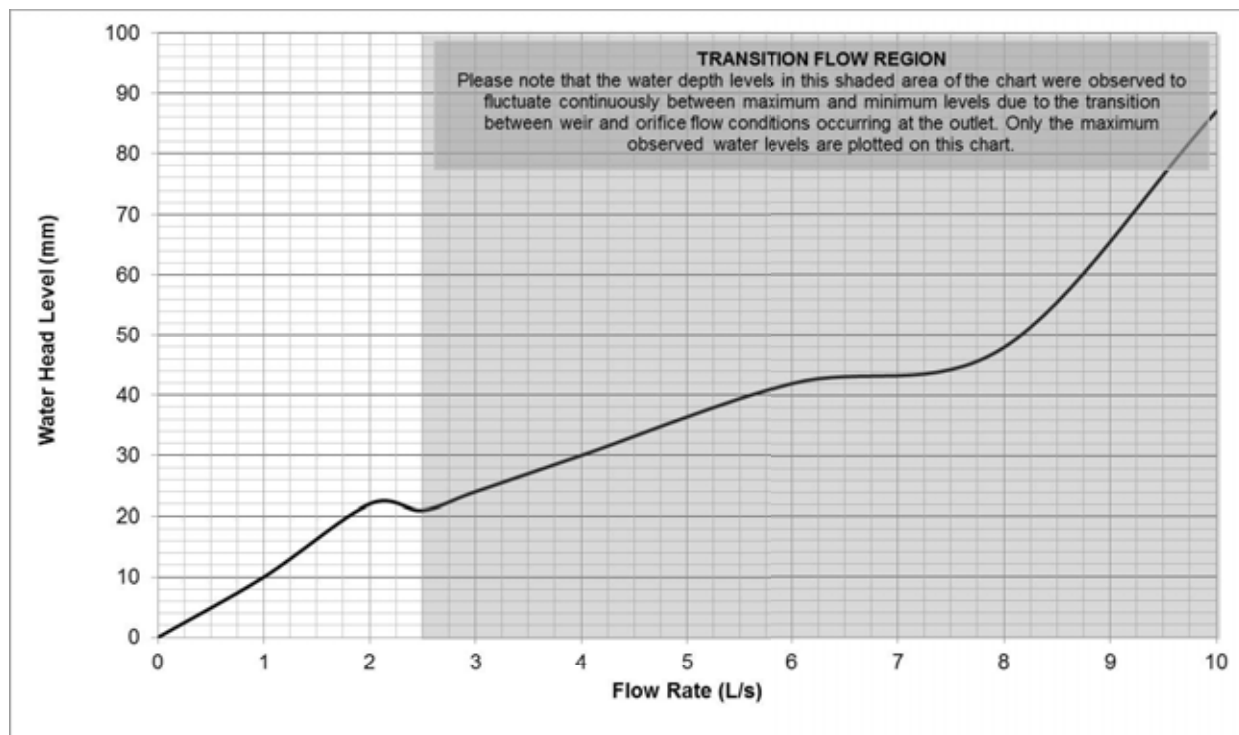
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – R225S4/C150



Weir Flow – 2.5 L/s (20mm)



Surcharged Flow – 6 L/s (40mm)

Observation Comments:

- Flow rates from 0-2.0 L/s (20 mm Head) produced a linear characteristic curve which began to flatten at 2.5 L/s.
- At 3.0 - 4.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow characterised by the water level fluctuating 5 mm.
- Flowrates between 5-10 L/s produced surcharged flow conditions with the water head rising rapidly to 90 mm.
- The maximum flow limit to maintain weir flow conditions is 2.5 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



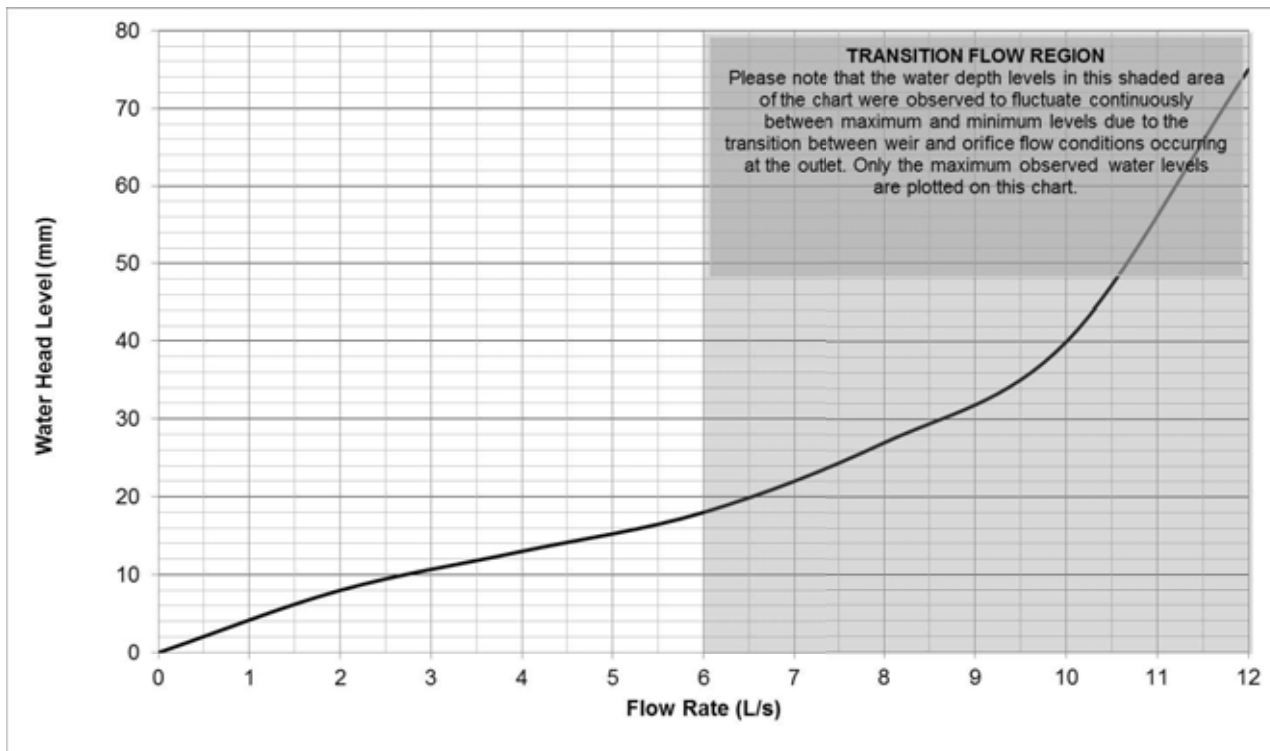
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – Q225S/C150



Weir Flow – 6 L/s (18mm)



Surcharged Flow – 10 L/s (40mm)

Observation Comments:

- Flow rates from 0-6.0 L/s (18mm Head) produced a linear characteristic curve which began to level out at 8.0 L/s.
- At 8.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow.
- At 10.0 – 14.0 L/s the flow surcharged with the water head rising to rapidly to 75mm.
- The maximum flow limit to maintain weir flow conditions is 6.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



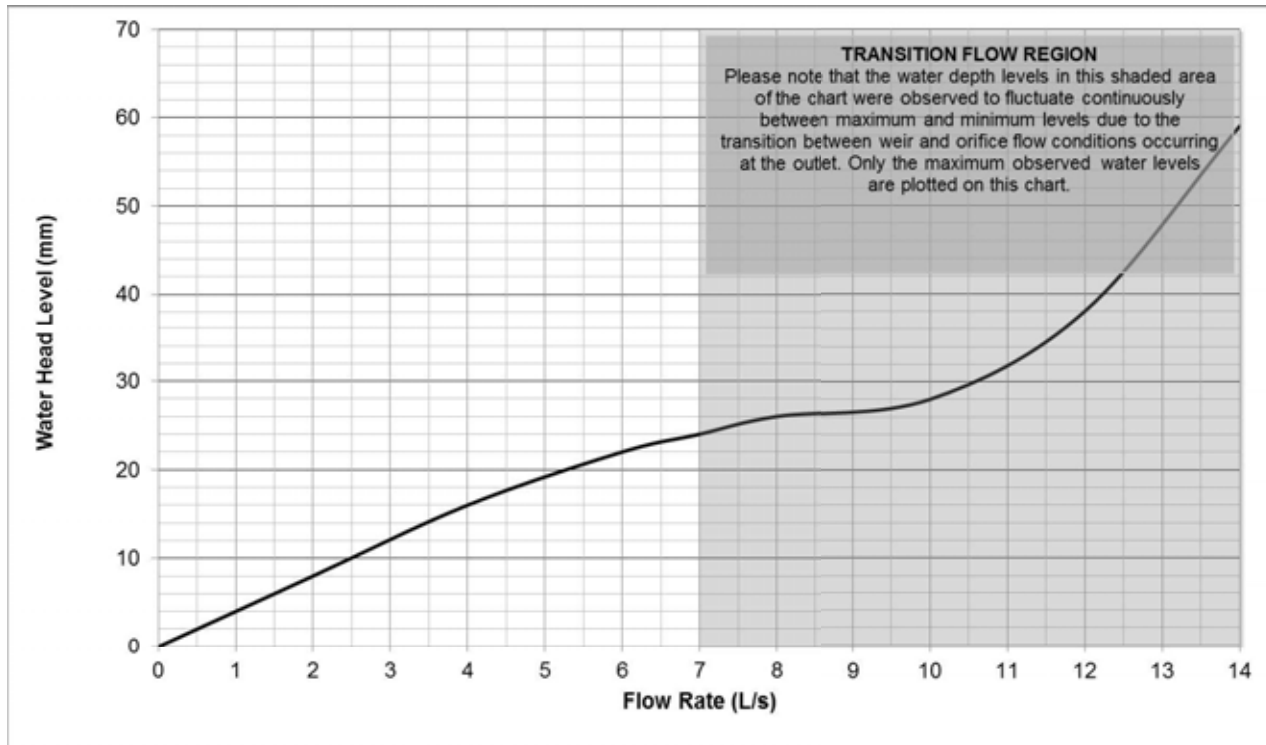
Date: 16th November 2016

Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Flow Characteristic Curve – R300S/C150



Weir Flow – 7 L/s (25mm)



Surcharged Flow – 12 L/s (40mm)

Observation Comments:

- Flow rates from 0-7.0 L/s (25mm Head) produced a linear characteristic curve which began to level out at 7.0 L/s.
- At 8.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow.
- At 10.0 – 14.0 L/s the flow surcharged with the water head rising to rapidly to 60mm.
- The maximum flow limit to maintain weir flow conditions is 7.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



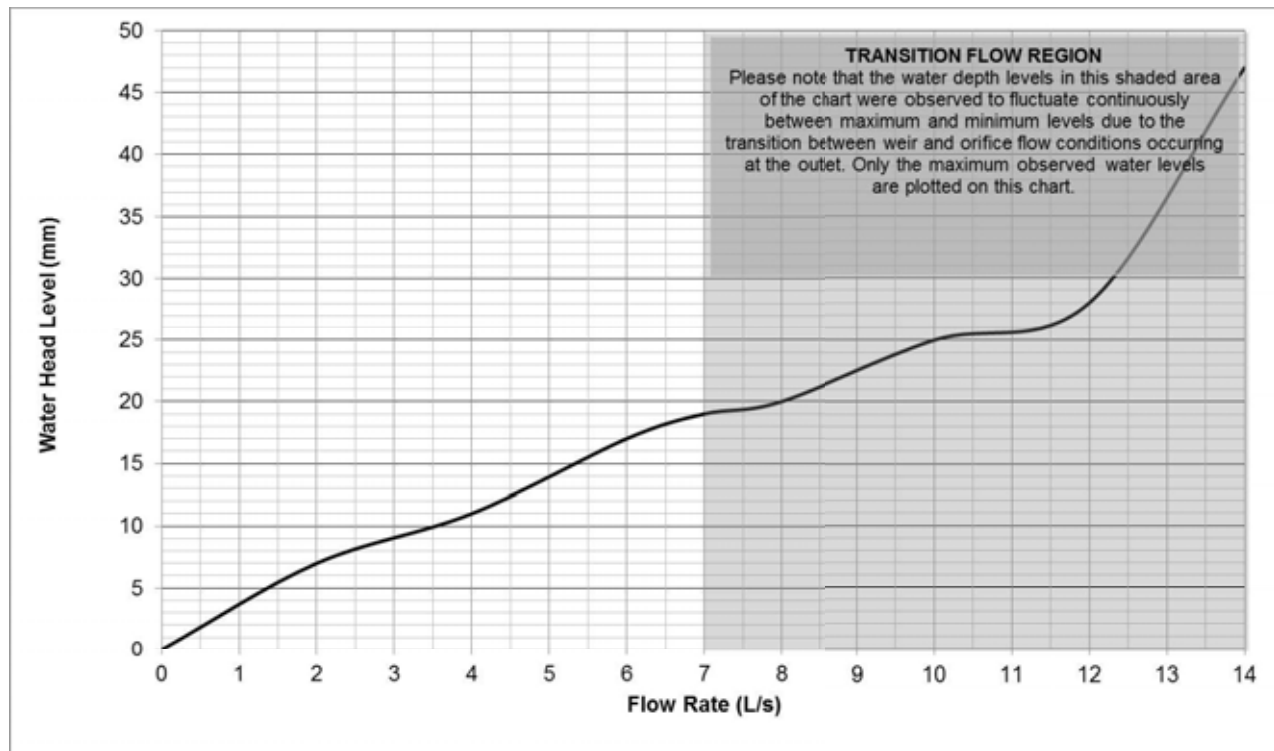
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – Q300D/150C



Weir Flow – 7 L/s (18mm)



Surcharged Flow – 12 L/s (25mm)

Observation Comments:

- Flow rates from 0-7.0 L/s (18mm Head) produced a linear characteristic curve which began to level out at 7.0 L/s.
- At 8.0 L/s the weir flow transitioned to vortex flow, cycling between vortex and surcharged flow.
- At 10.0 – 14.0 L/s the flow surcharged with the water head rising to rapidly to 50mm.
- The maximum flow limit to maintain weir flow conditions is 7.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



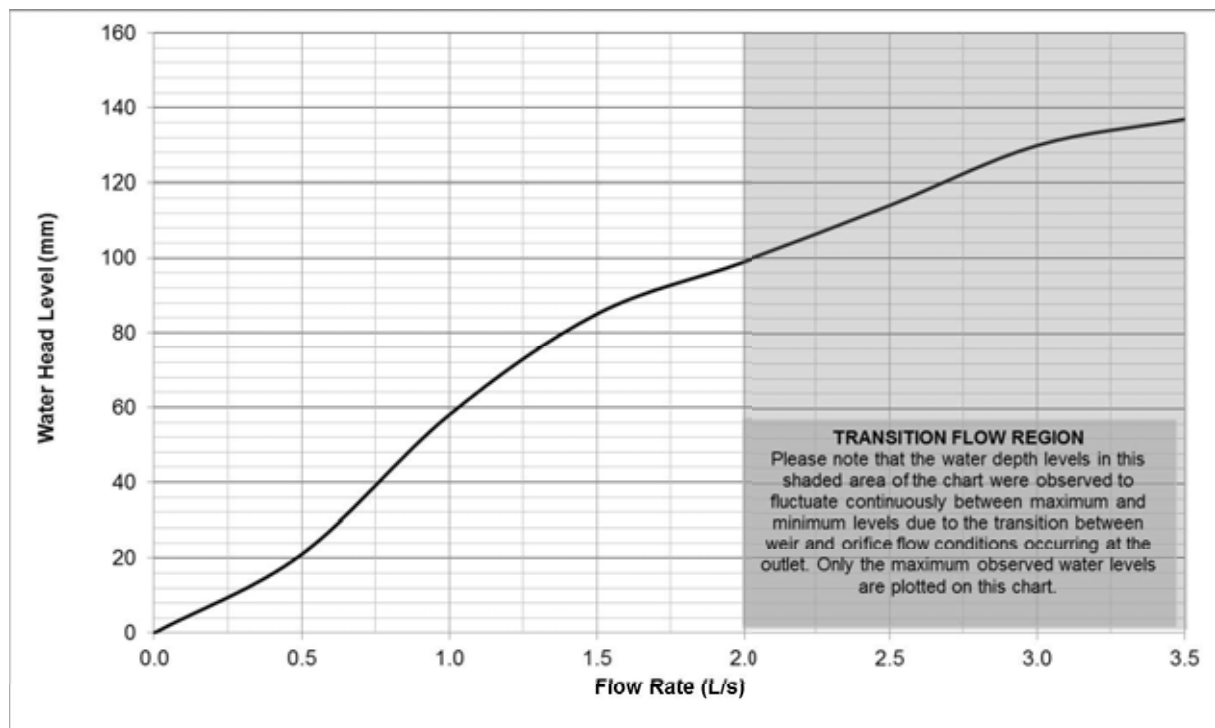
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – R100S4/C90



Weir flow - 1.0 L/s (60mm)



Surcharged Flow - 2.5 L/s (110mm)

Observation Comments:

- A concentric swirl pattern was observed which indicated weir flow conditions, with the water head level stabilising at each flow rate setpoint from 0-2.0 L/s.
- At 2.5 L/s a transition from swirl motion to vortex flow was observed, as the air core decreased to approximately 20mm Diameter, followed by a sudden increase in water head level as the vortex collapsed to surcharged orifice flow.
- The maximum flow design limit to maintain weir flow conditions is 2.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



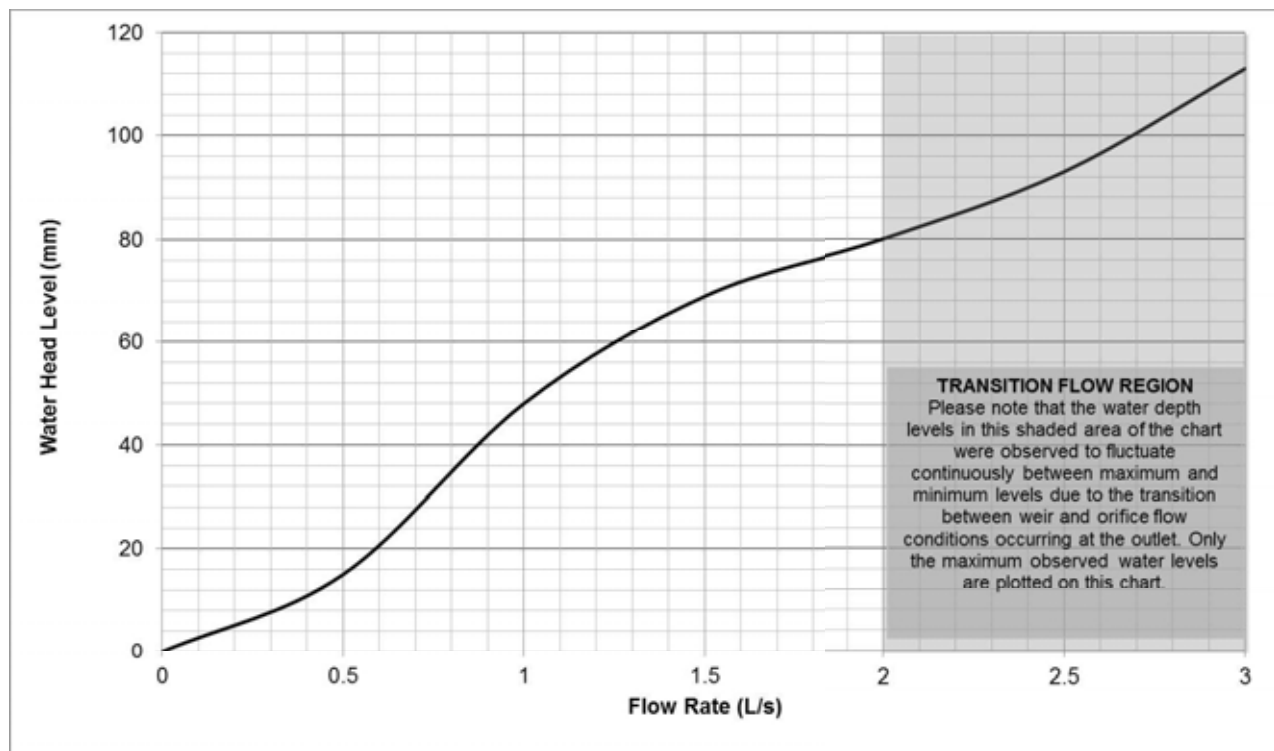
Date: 16th November 2016

Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Flow Characteristic Curve – R130S4/C90



Weir flow – 1 L/s (50mm)



Surcharged Flow - 3.0 L/s (110mm)

Observation Comments:

- A concentric swirl pattern and air core was observed which indicated weir flow conditions, with the water head level stabilising at each flow rate setpoint from 0-2.0 L/s.
- At 2.5 L/s a transition from swirl motion to vortex flow was observed, as the air core decreased to approximately 10mm Diameter and moved to the side of the grate. At 3-3.5 L/s the vortex surcharged and transitioned to orifice conditions characterised by the water level surging between 40-100mm at constant flow rates above 3 L/s.
- The maximum flow limit to maintain weir flow conditions is 2.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



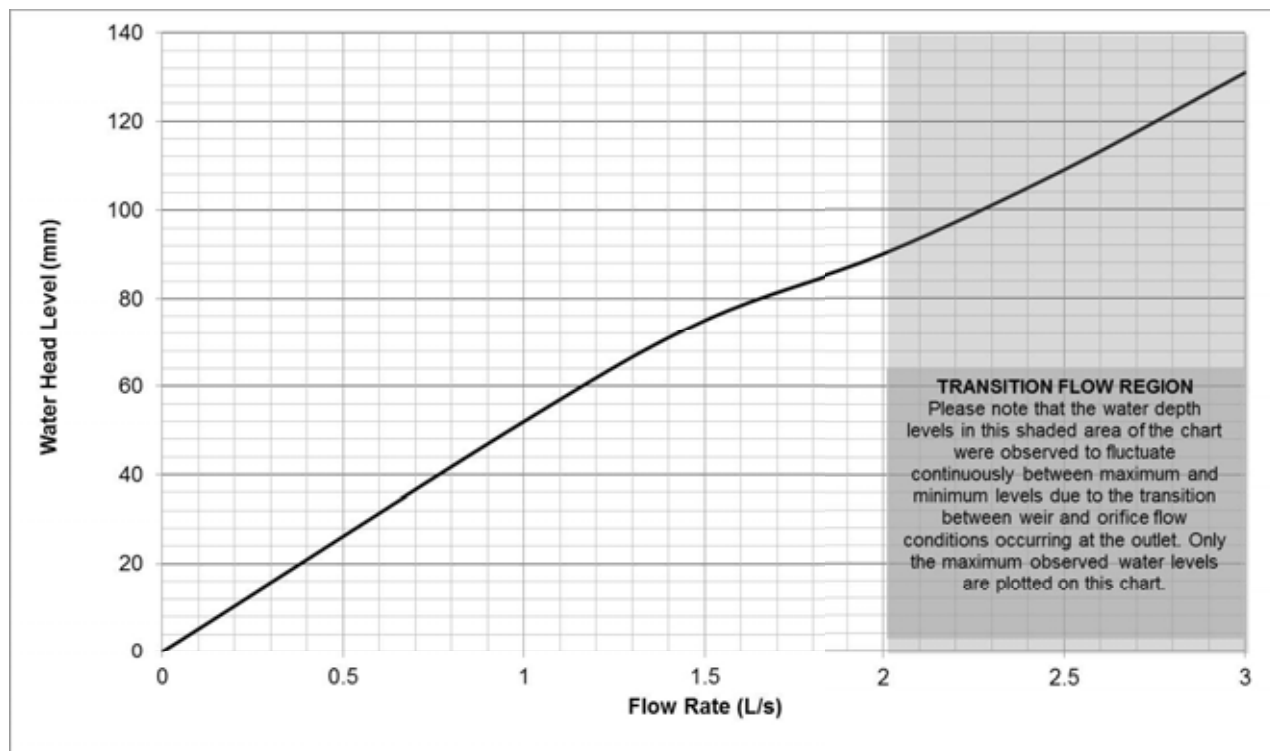
Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016

Flow Characteristic Curve – Q130S4/C90



Weir flow - 1 L/s (50mm)



Surcharged Flow - 2.5 L/s (110mm)

Observation Comments:

- A concentric swirl pattern was observed which indicated weir flow conditions, with the water head level stabilising at each flow rate setpoint from 0-2.0 L/s.
- At 2.5 L/s a transition from swirl motion to vortex flow was observed, as the air core decreased to approximately 10mm Diameter and moved to the side of the grate. At 3.0 L/s the vortex surcharged and transitioned to orifice conditions were characterised by the water level surging between 30-90mm.
- The maximum flow limit to maintain weir flow conditions is 2.0 L/s.

I hereby certify that the test results presented on this outlet performance certificate are true and correct and were obtained using recognised AHSCA Gutter Outlet Testing procedures.

Dr Terry Lucke,
Chief Researcher:



Mark Alexander,
AHSCA Foundation Chairman:



Date: 16th November 2016

Date: 16th November 2016