

### 4.3.3 Finish

Units exhibiting any surface void greater than 12 mm deep shall be deemed not to conform to this part of BS 5911. A surface void not exceeding 12 mm deep and any damage affecting the performance of a unit, including joints but excluding the external edges of gully cover slabs, shall be made good. After any final treatment, a unit shall conform to all relevant requirements of this part of BS 5911.

### 4.3.4 Geometrical characteristics

#### 4.3.4.1 General

Subject to the requirements of this clause, the dimensions, thickness and configuration of units shall conform to those stated in the factory documents.

#### 4.3.4.2 Nominal sizes

The nominal sizes of gullies shall be those given in Table 2. The nominal sizes of gully cover slabs shall be 375, 450 and 300/385.

#### 4.3.4.3 Dimensions and configuration of gullies

The dimensions and configuration of a gully shall conform to the requirements in Table 2 when tested in accordance with Annex A.

#### 4.3.4.4 External manufacturing section and top flange

The external manufacturing section of a gully shall be not less than 1.15 times the internal manufacturing diameter or length or width and the top flange shall be of width not less than 0.15 times that diameter, length or width (see Figure 1, Figure 2, Figure 3 and Figure 4).

#### 4.3.4.5 Gully outlet

The diameter of a gully outlet shall be 150 mm ± 5 mm (see Figure 1, Figure 2, Figure 3 and Figure 4).

#### 4.3.4.6 Gully cover slab thickness

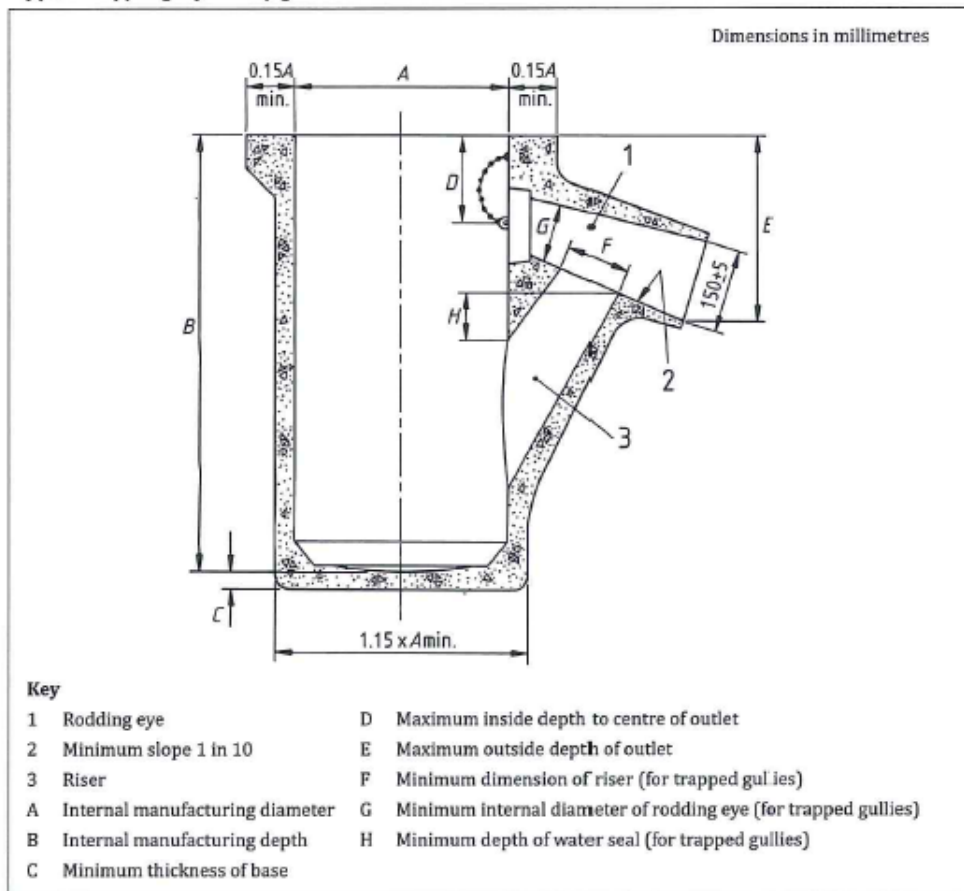
The thickness of a gully cover slab shall be not less than 65 mm when tested in accordance with B.3.

Table 2 — Nominal sizes dimensions for gullies

Nominal size of gully (see 3.1.2)		Limits of internal manufacturing section of gully (see 3.1.10)	Deviation of actual internal manufacturing depth (see 3.1.10)	Limits of internal manufacturing depth (see 3.1.10)	Deviation of actual internal manufacturing depth from internal manufacturing depth	Minimum thickness of base	Maximum inside depth to centre of outlet (untrapped)	Maximum outside depth of outlet (trapped)	Trapped gullies only			
Nominal diameter	Nominal width/length								Nominal depth	Minimum dimension of riser	Minimum cross sectional area of	Minimum internal diameter of rodding
		A		B		C	D	E	F	G	H	
		mm	mm	mm	mm	mm	mm	mm	mm	mm <sup>2</sup>	mm	
375	750	365 to 385	6	740 to 760	25	50	300	400	90	8 000	100	85
		900		890 to 910								
450	750	435 to 465	9	740 to 760	25	50	300	400	90	8 000	100	85
		900		890 to 910								
	1 050		1 040 to 1 060									
	1 200		1 180 to 1 210									
300/385	700	AW 290 to 385	6	690 to 710	25	50	335	430	—	—	—	—
		AL 375 to 395										
300/385	750	AW 290 to 310	6	740 to 760	25	50	335	430	—	—	—	—
		AL 375 to 395										
300/385	700	AW 290 to 310	6	690 to 710	25	50	195	290	N/A	8 000	100	80
		AL 375 to 395										

NOTE Typical arrangements for gullies and the dimensions A, B, C, D, E, F, G and H are shown in Figure 1, Figure 2, Figure 3 and Figure 4.

**Figure 1** — Typical trapped gully with spigot outlet



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## Annex A (normative)

### Dimensional tests

#### COMMENTARY ON ANNEX A

*At the manufacturer's discretion it is permissible to use purpose-made "go/no-go" steel gauges for dimensional measurements in lieu of the apparatus specified for the tests in this annex.*

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#### A.1 Internal section test

##### A.1.1 Principle

The internal section of a gully is evaluated to determine whether it conforms to [4.3.4.3](#).

##### A.1.2 Apparatus

**A.1.2.1** *Steel measuring tape or retractable pocket rule, with metric graduation and figuring conforming to BS 4484-1.*

##### A.1.3 Procedure

Make three measurements of the internal section at the top of the bore, for circular sections at approximately 60° to each other; for rectangular sections at the centre and each end of the length and width.

##### A.1.4 Expression of results

Record whether each measured value of the internal section conforms to [4.3.4.3](#).

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#### A.2 Internal depth and thickness of base test

##### A.2.1 Principle

The internal depth of a gully is evaluated to determine whether it conforms to [4.3.4.3](#).

##### A.2.2 Apparatus

**A.2.2.1** *Cast iron or steel straightedge, conforming to BS 5204-2 and not less than 600 mm in length.*

**A.2.2.2** *Steel measuring tape or retractable pocket rule, with metric graduation and figuring conforming to BS 4484-1.*

##### A.2.3 Procedure

With the gully resting on a flat and level surface, place the straightedge centrally across the top with overhangs approximately equal, at right angles to the diameter or axis coincident in plan with the centre-line of the outlet. Measure and record the internal depth at the centre of the gully and the external height at each side.

Calculate the mean of the two measured values of external height, subtract that of the internal depth and record the resulting value for the thickness of the base.

##### A.2.4 Expression of results

Record whether the measured and calculated values of the internal depth and thickness of base respectively conform to [4.3.4.3](#).

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### **A.3 Thickness of cover slab test**

#### **A.3.1 Principle**

The thickness of a gully cover slab is evaluated to determine whether it conforms to **4.3.4.6**.

#### **A.3.2 Apparatus**

**A.3.2.1** *Steel measuring tape or retractable pocket rule, with metric graduation and figuring conforming to BS 4484-1.*

#### **A.3.3 Procedure**

Measure the thickness at the outer edge at each corner of the slab.

#### **A.3.4 Expression of results**

Record whether each measured value of the thickness conforms to **4.3.4.6**.