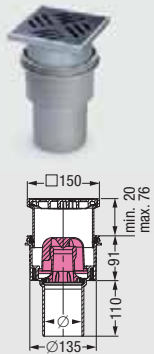


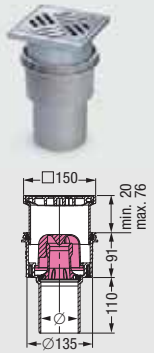



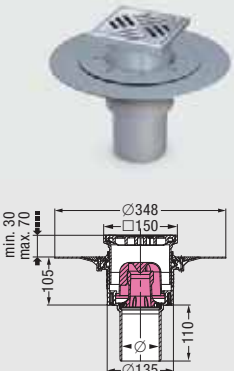


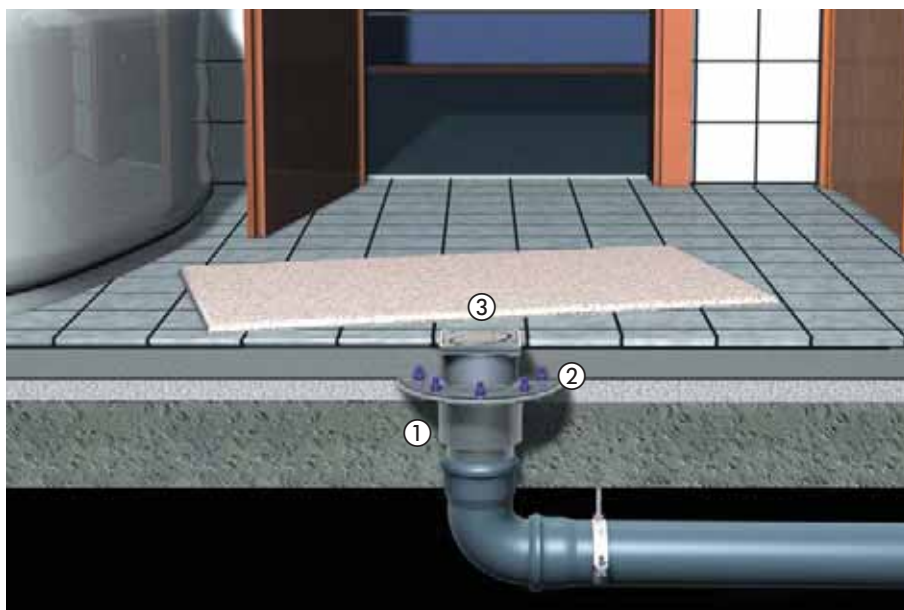


Project drains <i>Practicus</i> Interior installation		Complete article / Products	
Illustration and dimensioned drawing	Article description	Outer diameter Ø (mm)	Article #
 <p>1.8 l/sec flow rate Installation area 180 x 180 mm</p>	<p>Floor drain <i>Practicus</i> in PP, vertical outlet</p> <p>With removable odour trap. Sealing water height 50 mm. With lip seal and protective cover for use during construction.</p> <p>With upper section in ABS</p> <p><input type="checkbox"/> with slotted cover 138 x 138 mm in ABS, black, class K 3 (able to withstand loads up to max. 300 kg).</p> <p>  EN 1253</p>	Ø 110	45 210.40
 <p>1.8 l/sec flow rate Installation area 180 x 180 mm</p>	<p>Floor drain <i>Practicus</i> in PP, vertical outlet</p> <p>With removable odour trap. Sealing water height 50 mm. With lip seal and protective cover for use during construction.</p> <p>With upper section in ABS</p> <p><input type="checkbox"/> with slotted cover 138 x 138 mm in stainless steel AISI 304, screwed, class K 3 (able to withstand loads up to max. 300 kg).</p> <p>  EN 1253</p>	Ø 110	45 210.11
 <p>1.8 l/sec flow rate Installation area 220 x 180 mm</p>	<p>Floor drain <i>Practicus</i> in PP, lateral outlet 2.5°</p> <p>With removable odour trap. Sealing water height 50 mm. With lip seal and protective cover for use during construction.</p> <p>With upper section in ABS</p> <p><input type="checkbox"/> with slotted cover 138 x 138 mm in ABS, black, class K 3 (able to withstand loads up to max. 300 kg).</p> <p>  EN 1253</p>	Ø 110	45 110.40
 <p>1.8 l/sec flow rate Installation area 180 x 180 mm</p>	<p>Floor drain <i>Practicus</i> in PP, vertical outlet</p> <p>With removable odour trap. Sealing water height 50 mm. With lip seal and protective cover for use during construction.</p> <p>With glue flange and counter flange.</p> <p>With upper section made of polymer</p> <p><input type="checkbox"/> with slotted cover 138 x 138 mm in stainless steel AISI 304, screwed, class K 3 (able to withstand loads up to max. 300 kg).</p> <p>  EN 1253</p>	Ø 110	45 218.11

Installation example *Practicus*



The *Practicus* floor drain ① collects, receives and conveys the wastewater in a section of the building. The upper sealing level serves as a waterproofing layer against seeping water and is connected by means of a pressure sealing flange ② for example. There are numerous cover variants ③ available for the floor.

No-compromise fire protection

Floor drains are critical when it comes to spreading of fire in a building. *Practicus* drains combined with KESSEL fire protection elements meet all the requirements for fire resistance class R 120.

■ The determining factor is the Fire Resistance Class, not the building material class!

The *Practicus* drains with vertical outlets are designed specifically for use with the KESSEL **Fire-Kit** fire protection insert which offers the highest fire resistance class - R 120. As soon as fire enters the lower portion of the Ecoguss drain, the Fire-Kit expands and completely seals the opening to prevent fire and smoke from reaching the above floor.



■ **Quick-Fit** passage seal including fire protection ring for Fire Resistance Class R 120.

Additional security for fire protection is offered by the KESSEL **Quick-Fit** passage seal including fire protection ring. If floor drains are not poured into the concrete floor but inserted later into cored holes in the concrete slab, the space between the cored hole and the exterior of the drain body also needs to be secured against fire. In the case of a fire, the fire protection ring expands and completely seals the opening between the exterior of the drain body and the cored hole - preventing fire and smoke from reaching the above floor.



Professional advantages

■ High flow rate of up to 1.8 l/s



■ Honeycomb structure for perfect concrete bonding



■ Ideal for connection to plastic pipes.



■ Variable upper section rotatable, tiltable and height adjustable



■ Lock & Lift

Practicus drains can be combined with a wide variety of upper sections with integrated locking system *Lock & Lift*. This allows the cover to be twisted opened easily for maintenance, removed and locked again safely. The cleaning time required is reduced by about 70 per cent compared with covers which are locked in the conventional manner using two screws. In addition, the system provides protection against vandalism and theft.