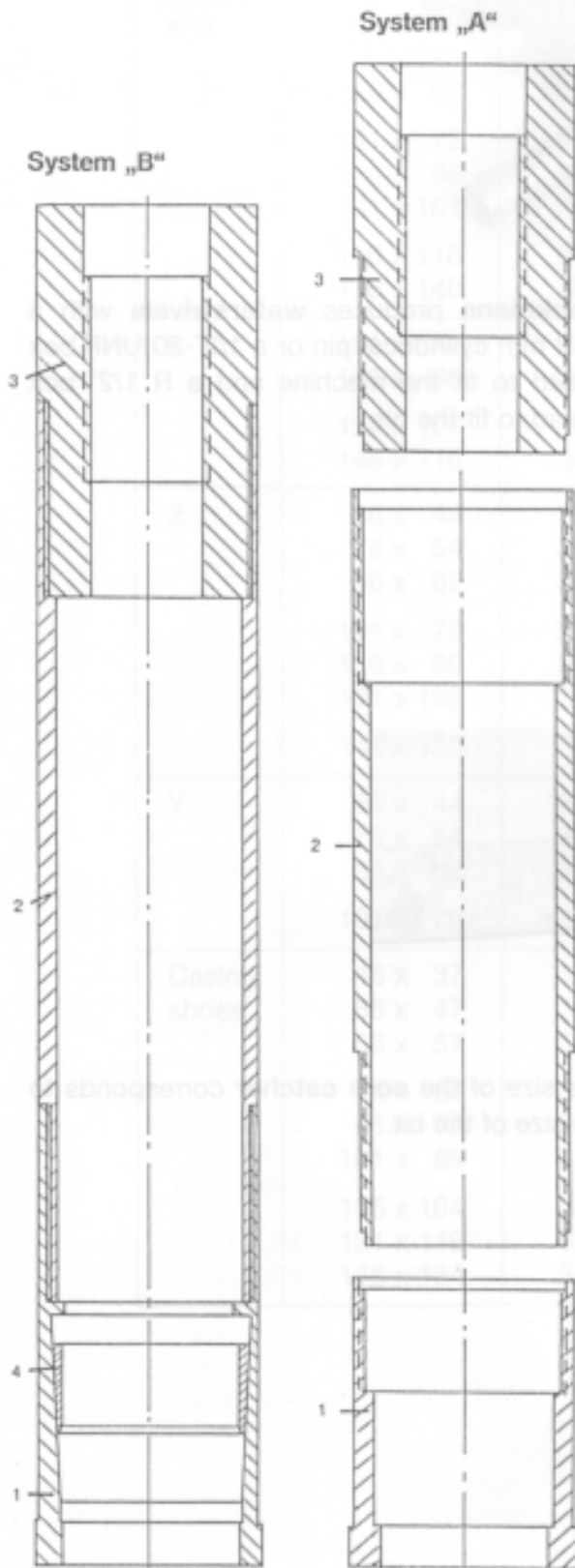


### 3. Extendable drilling systems for civil engineering



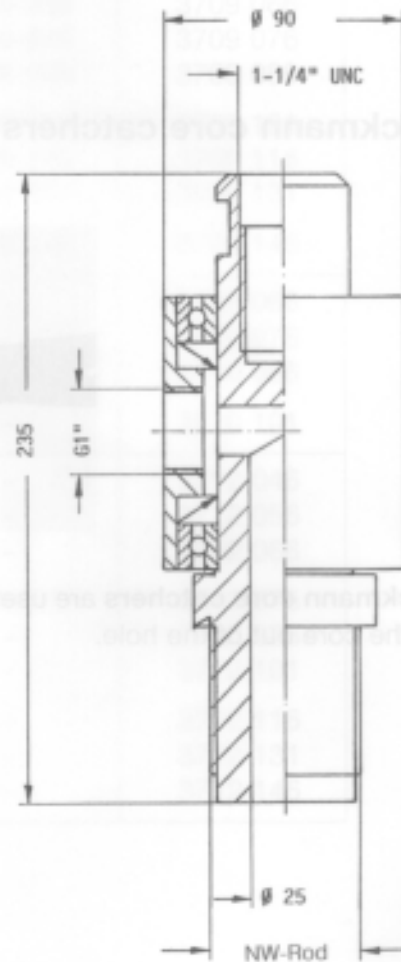
Pos. 1 = drilling bit

Pos. 2 = extension tube

Pos. 3 = head with standard box thread 1-1/4" UNC.

Other threads on request.

Pos. 4 = core catcher spring



Swivel for air flushing

Whenever deep holes have to be drilled **Dieckmann extendable drilling systems** are the best solution, especially for anchorholes and injectionholes in reconstructions, churches, castles and other thick foundations.

These holes can be drilled fast, without vibrations, dustless and with exact dimensions.

The standard bits are diamond impregnated. **Dieckmann** also delivers diamond surface setted bits, tungsten carbide bits and borit bits. Bits for dry drilling are available too.

**Dieckmann** produces the **extendable drilling systems** to drill nearly all materials. In case of inquiry or order please note the material to drill.

**Dieckmann extendable drilling systems** are available in two different variations. The **system "A"** has no core catching capability, especially for through holes and horizontal drilling. The **system "B"** has a core catching capability, especially for blind holes and vertical drilling.

The standard diameters are as follows:

system "A"	system "B"	extension tube
ø 20 x 9 mm	-	ø 18 x 4.0 mm
ø 26 x 15 mm	-	ø 24 x 4.0 mm
ø 30 x 19 mm	-	ø 28 x 4.0 mm
ø 36 x 25 mm	-	ø 34 x 4.0 mm
ø 40 x 29 mm	-	ø 38 x 4.0 mm
ø 46 x 35 mm	ø 46 x 32 mm	ø 44 x 3.5 mm
ø 56 x 45 mm	ø 56 x 42 mm	ø 54 x 3.5 mm
ø 66 x 55 mm	ø 66 x 52 mm	ø 64 x 3.5 mm
ø 76 x 65 mm	ø 76 x 62 mm	ø 74 x 3.5 mm
ø 86 x 75 mm	ø 86 x 72 mm	ø 84 x 3.5 mm
ø 101 x 87 mm	ø 101 x 86 mm	ø 98 x 4.5 mm
ø 116 x 102 mm	ø 116 x 101 mm	ø 113 x 4.5 mm
ø 131 x 117 mm	ø 131 x 116 mm	ø 128 x 4.5 mm
ø 146 x 132 mm	ø 146 x 132 mm	ø 143 x 4.5 mm
ø 163 x 149 mm	ø 163 x 148 mm	ø 160 x 4.5 mm
ø 162 x 142 mm	ø 162 x 142 mm	ø 159 x 7.1 mm
ø 171 x 151 mm	ø 171 x 151 mm	ø 168 x 7.1 mm
ø 181 x 161 mm	ø 181 x 161 mm	ø 178 x 7.1 mm
ø 206 x 186 mm	ø 206 x 186 mm	ø 203 x 7.1 mm
ø 222 x 202 mm	ø 222 x 202 mm	ø 219 x 7.1 mm
ø 248 x 228 mm	ø 248 x 228 mm	ø 245 x 7.1 mm
ø 276 x 256 mm	ø 276 x 256 mm	ø 273 x 7.1 mm

Other diameters are available on request.

The standard lengths of the extension tubes are 500, 750 and 1.000 mm. Other lengths are available on request. All tubes of the same diameter can be combined. The maximum length of the system is only limited by the material to drill and the drilling machine. Depths of more than 20 meters have been reached.

For a complete **Dieckmann extendable drilling system "A"** a head, at least one extension tube and a drilling bit is needed. For a complete **Dieckmann extendable drilling system "B"** a head, at least one extension tube, a core catcher spring and a drilling bit is needed. All spare parts are available seperatly.

