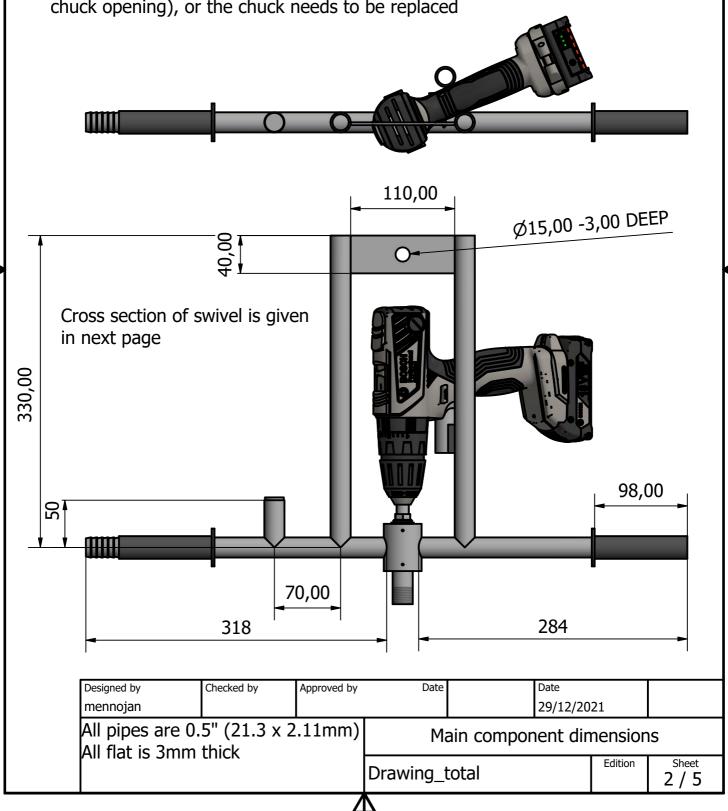


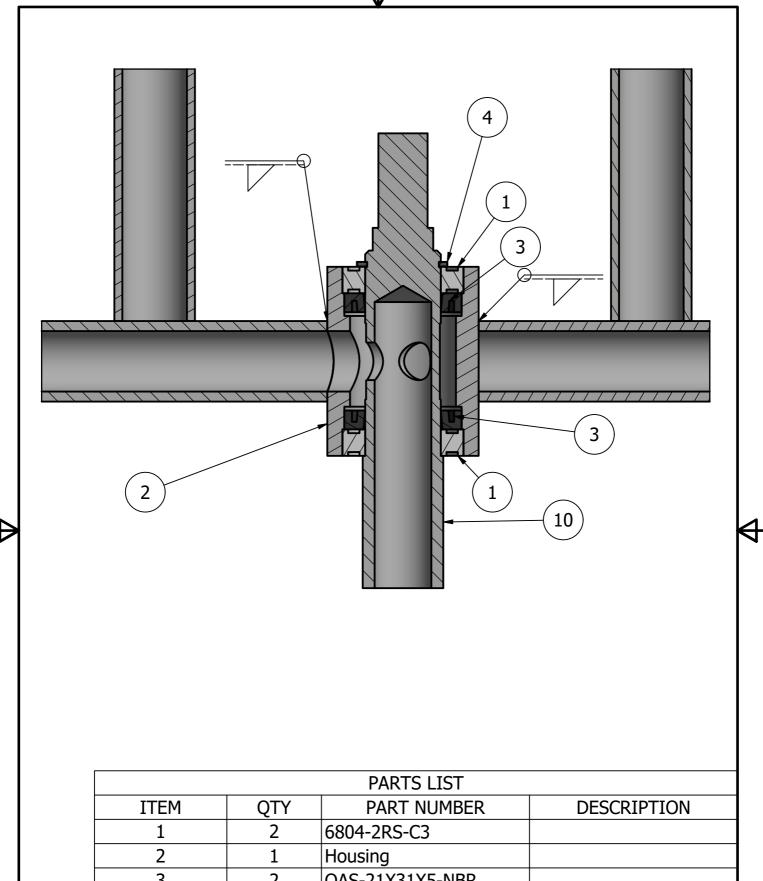
Drill actuation can be done with brake lever (bicycle), or rotating handle (accelerator motorcycle). Details are not specified, as it depends highly on used drill and type of handle.

The depicted drill is only for illustration. In practise, any drill with a max torque of  $\pm$  54 Nm and a speed of 450 RPM works for non rocky soils. Used drills with good result:

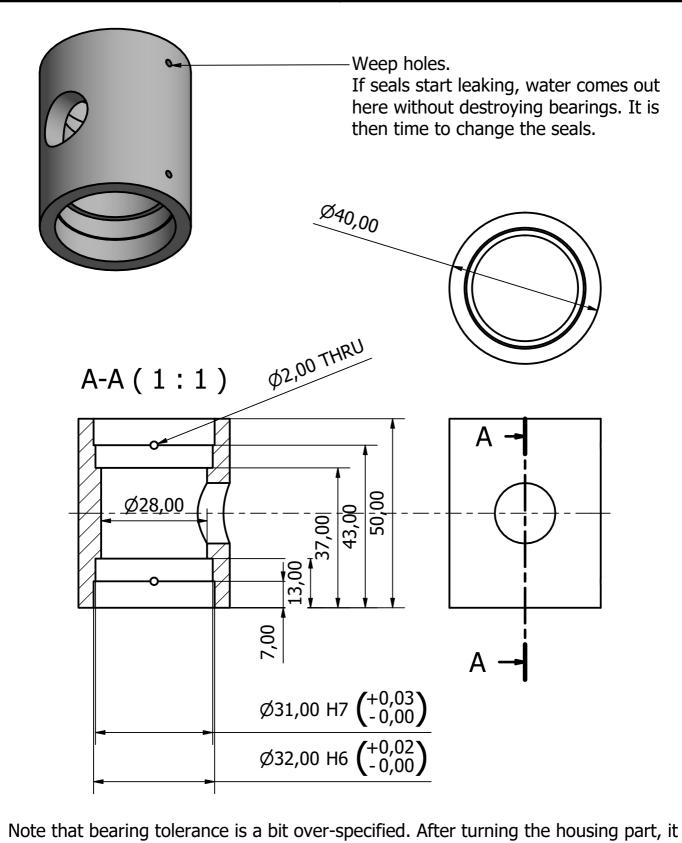
- Hitachi/Hikoki DS18DJL (cordless with 1.5Ah batteries)
- Makita DF0300 (corded)

For the Makita, the axis of the swivel needs to be turned down to 10mm (max chuck opening), or the chuck needs to be replaced





PARTS LIST											
ITEM	QTY	P.	ART NUMB	BER	DESCRIPTION						
1	2	6804-2	2RS-C3								
2	1	Housin	Housing								
3	2	OAS-2	OAS-21X31X5-NBR								
4	1	DIN 47	DIN 471 - 20 x 1,2(1)			Spring Retaining Ring					
10	1	Axis									
Designed by mennojan	Checked by	Approved by	Date		Date 29/12/20	21					
Cross section swivel											
	Drawing_total			Edition	Sheet 3 / 5						



Note that bearing tolerance is a bit over-specified. After turning the housing part, it will be welded to the handles and deform. That's why it should be a clearance fit before welding.

After welding, the bearing holes can be sanded with fine sanding paper to obtain a loose fit again for the bearings.

Designed by	Checked by	Approved by	Date		Date		
mennojan					29/12/20	21	
			Part 2: Housing				
			Drawing_total			Edition	Sheet 4 / 5

