

# Instruction do88 hose take off 4 – 10mm

## Parts included:

1. Hose connection
2. Washer
3. Nut
4. O-ring (only for use with hard materials)
5. Punch tool



## Installation:

1. Make a hole for the hose connection in the hose or the surface it will be installed in:
  - When installed in a hose or other soft materials, support the backside of it with a piece of wood or other rigid but soft material (see picture 1.). Then loosely hold the punch tool with a plier at the same time push the hose towards the support with the plier and make sure the punch tool are straight towards the hose then hit it with a wooden hammer or similar.
  - When installed in hard material, for example plastic, aluminium, steel etc. drill hole according to table in bottom of page.
2. Push the hose connection (nr 1.) in the hole with its fixed washer on the inside (if installed in hard material install the o-ring over the threads until its flat against the fixed washer)
3. Install the washer (nr 2.) with the edge pointing downwards.
4. Lubricate the threads with a tad of oil or anti seize and then install the nut (nr 3.) and tighten by hand (see picture 2.)
5. Make sure the whole take off sits good to the material on both in and outside.
  - When installed in soft materials, tighten the nut with a wrench until the edges on in and outside are pressed into the soft material.
  - When installed in hard material, tighten nut with a wrench until the installed o-ring compresses.



Drill size for installation in hard material:

Hose take off	Drill size
4mm	8mm
5mm	8mm
6,3mm	8mm
8mm	10mm
10mm	12mm