

## *HEUCKE ICE DRILL*

### *A LIGHT STEAM DRILL DEVICE FOR ICE AND FIRN*

#### **This steam drill device can be used:**

- for the setting of ablation stakes, surveying and marking poles,
- for the insertion of measuring instruments, trestles for scientific equipment, anchorings and explosive charges,
- for measuring the thickness of firn and ice,
- to observe water levels,
- to discover buried people,
- to melt the ice in gutter pipes.



#### **The HEUCKE ICE DRILL**

- can completely be carried on the back like a rucksack leaving the hands free;
- can be operated by one single person: fill in water, ignite the gas burner, start drilling after 10 minutes preheating, drilling pipe melts itself into the ice, no expenditure of force;
- drills rapidly: after preheating it takes just 12-15 minutes to drill 6 meters deep into the ice, about 25-30 minutes for 12 meters;
- drills holes of 30-35 mm diameter; drilling holes of greater diameter is possible with special drill tips;
- operates on gas cartridges or on gas bottles containing propane or butane;
- comes with an integrated snowmelt device;
- is packed in a solid aluminum transport box in which the complete device can be left at the drilling site all year around;
- is in use in Alaska, the Alps, Antarctica, Central Asia, Greenland, the Himalayas, Iceland, New Zealand, Pyrenees, Rocky Mountains, Scandinavia, Siberia, South America and Spitsbergen.

The maximum possible drilling depth is 13 meters in ice (standard equipment), or 18 meters in ice and 30 meters in firn with additional hoses. The total weight of the complete drilling equipment as a load on your back (incl. 3 full gas cartridges and one 8m-bore hose) is 16 kg.



## Technical Data

### Gas supply:

Propane bottles of any size (without gas pressure regulator), also refillable ones; 450-gram gas cartridges with threaded joint, brand names: *Coleman, Primus, Peak, Kovea, Epigas, Markill, Taymar, Parasene, Husch*, and others with the same dimensions.

*Coleman Propane Cylinder M 1003 (16.4 oz.)* with additional adapter; cartridges *Camping Gaz CV 470* with additional adapter.

### Gas consumption:

Appr. 360 grams per hour / 15 - 20 grams for every drilling meter in ice.

### Dimensions and weights:

Ice drill (W x H x D): 38 x 56 x 39 cm / 9.5 kg;

Transport box (W x H x D): 74 x 43 x 53 cm / 7.6 kg.

Total weight of the transport box including the complete drilling equipment (without gas containers): 25 kg.