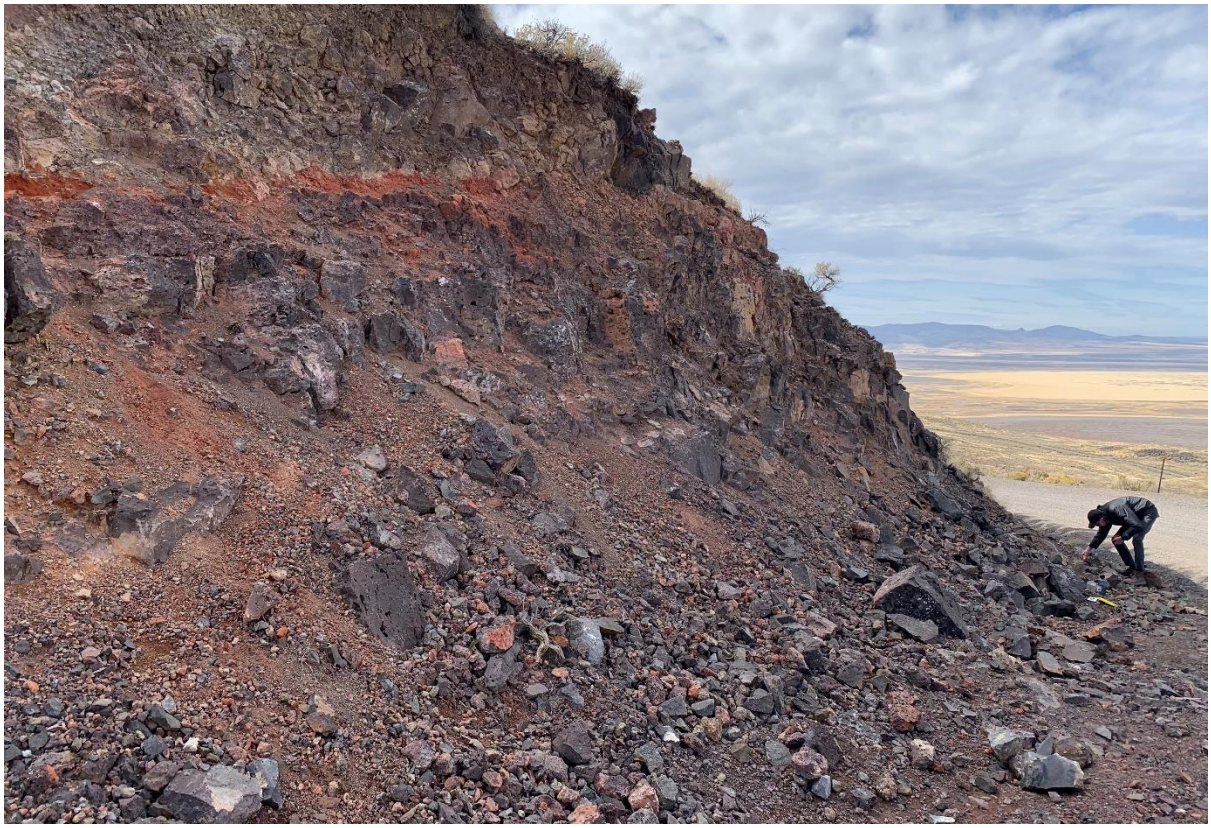


Picture © Nicole Moore

Mars Sample Return: Analogue Sample Library Collection Catalogue

Part 2 : Hart Mountain - Aphyric

Marine Ciocco and Agata Krzesińska
Center for Planetary Habitability
University of Oslo

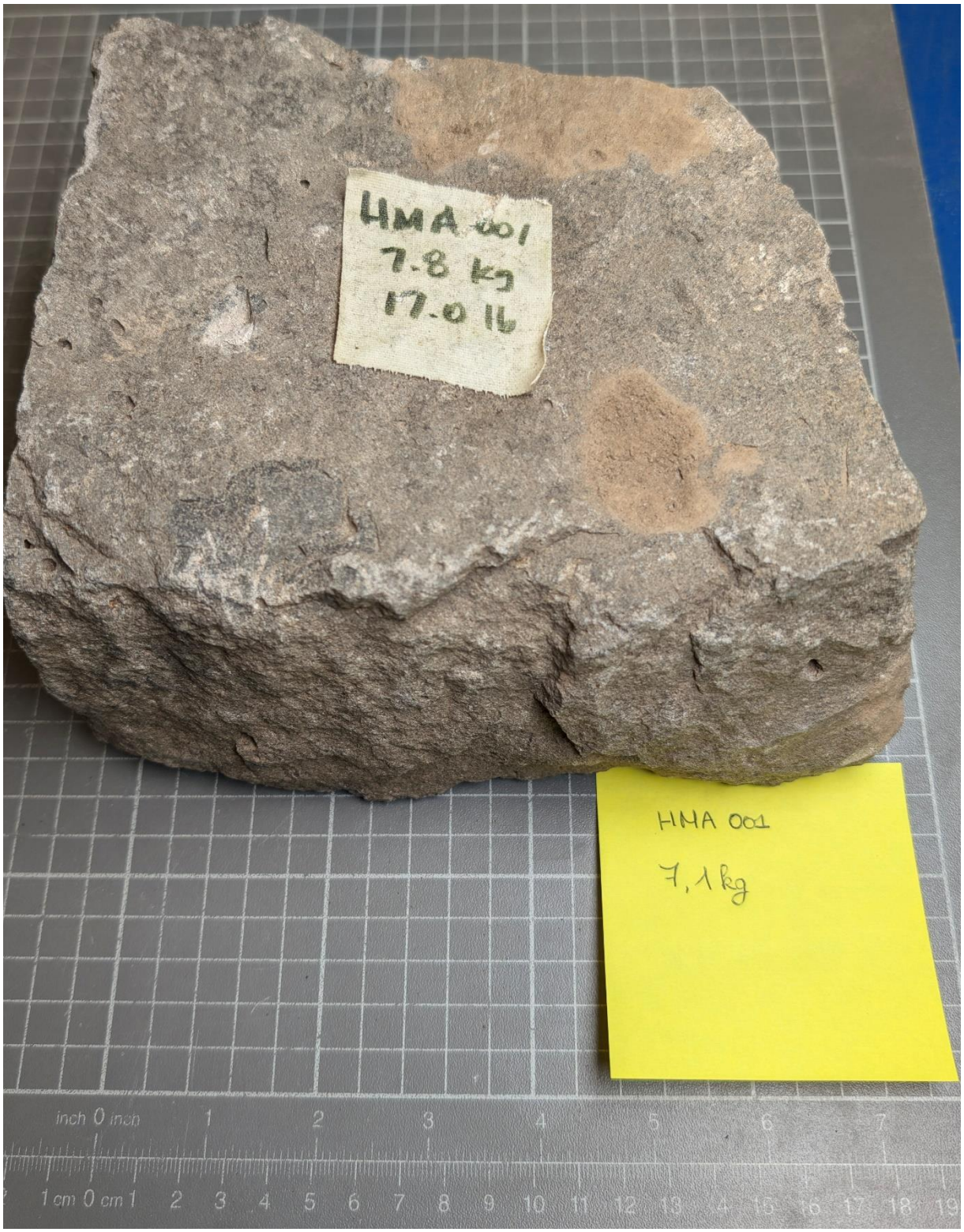
Table of Contents

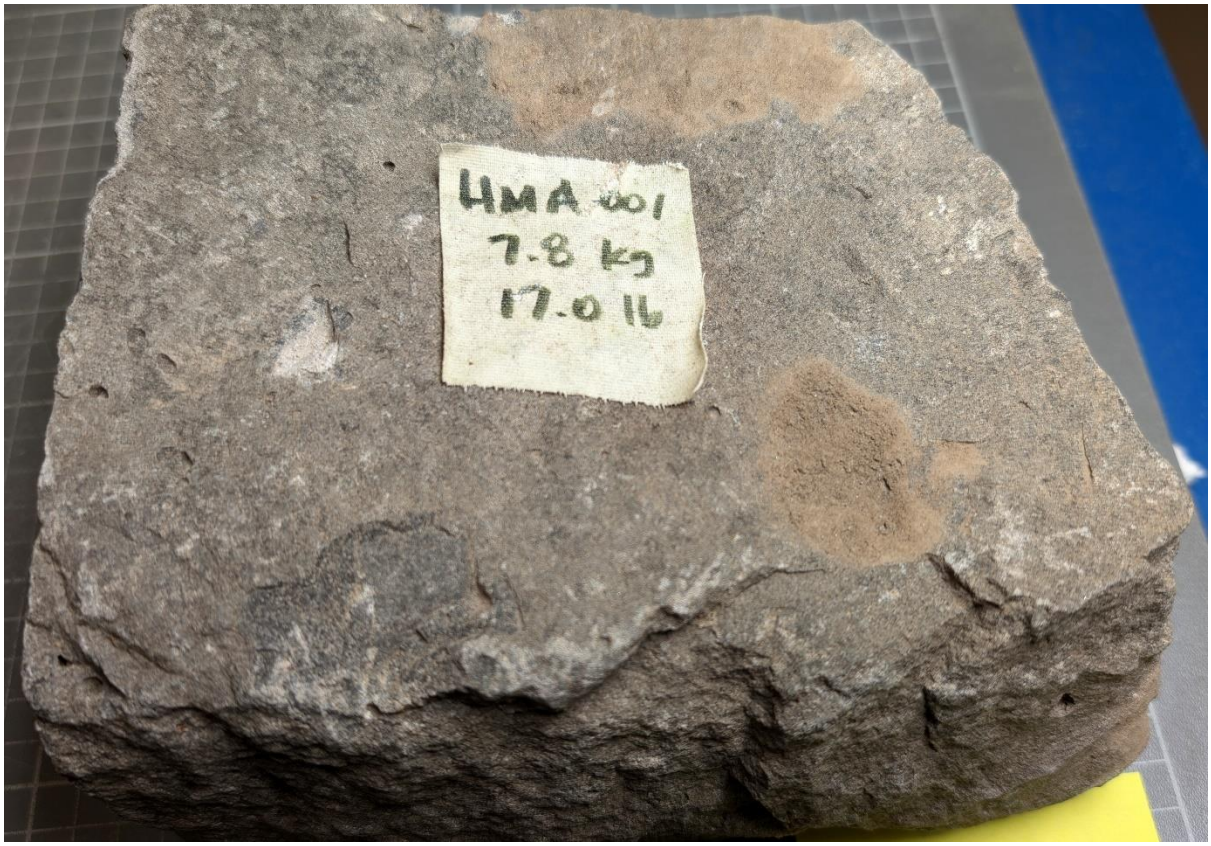
Mars Sample Return: Analogue Sample Library Collection Catalogue 1
Part 2 : Hart Mountain - Aphyric 1
Table of Contents 2
Sample HMA 001 4
Sample HMA 002 8
Sample HMA 003 12
Sample HMA 004 16
Sample HMA 005 20
Sample HMA 006 22
Sample HMA 007 25
Sample HMA 008 30
Sample HMA 009 34
Sample HMA 010 38
Sample HMA 012 43
Sample HMA 013 47
Sample HMA 014 50
Sample HMA 015 54
Sample HMA 016 59
Sample HMA 017 62
Sample HMA 018 65
Sample HMA 019 69
Sample HMA 020 73
Sample HMA 022 77
Sample HMA 023 81
Sample HMA 024 85
Sample HMA 026 89
Sample HMA 027 90
Sample HMA 028 92
Sample HMA 029 94
Sample HMA 030 96
Sample HMA 031 98
Sample HMA 032 99
Sample HMA 033 100
Sample HMA 034 101
Sample HMA 035 103

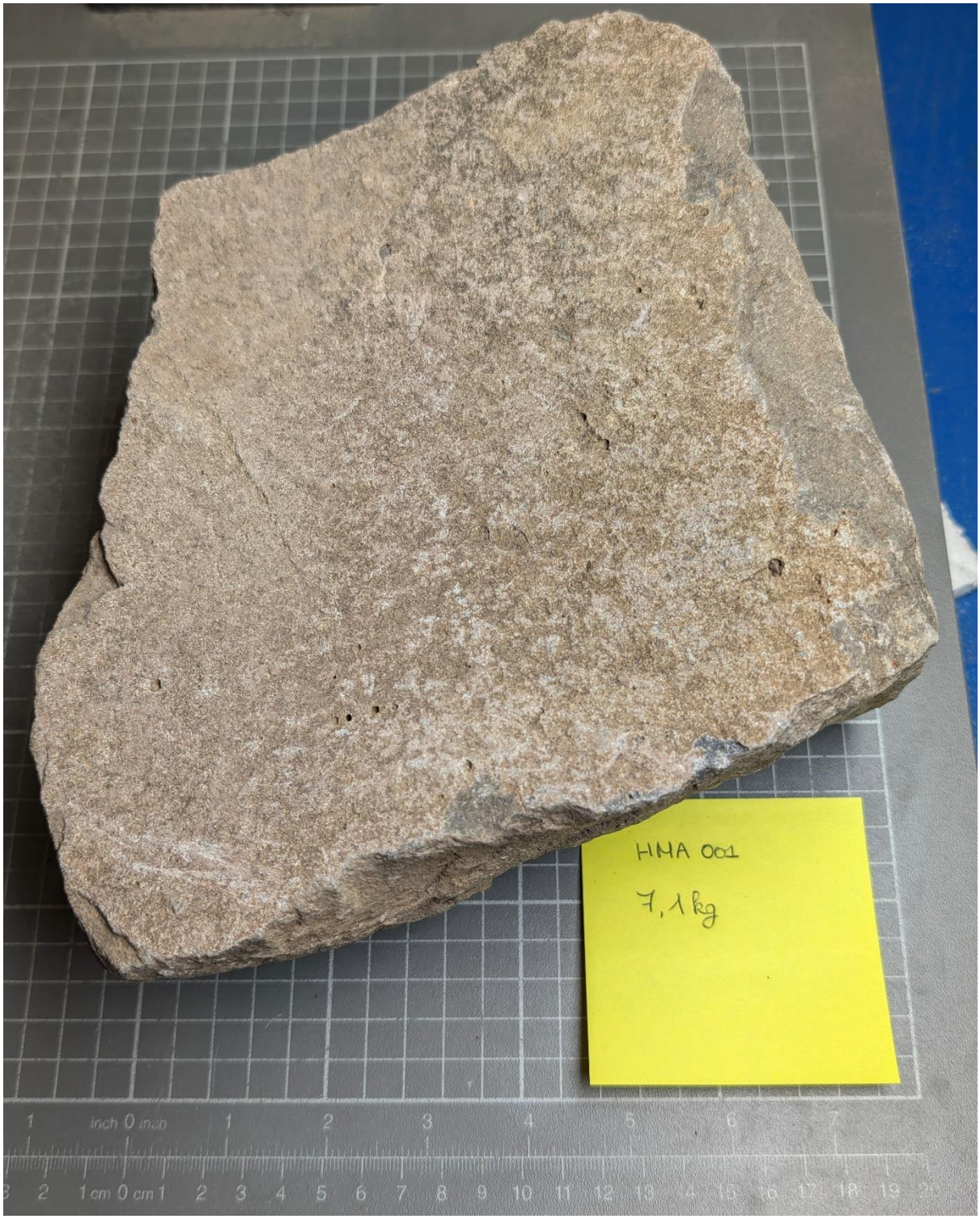
Sample HMA 036 105
Sample HMA 037 106
Sample HMA 038 107
Sample HMA 039 108
Sample HMA 040 109

Sample HMA 001

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric) Weight: 7,1 kg Special features:



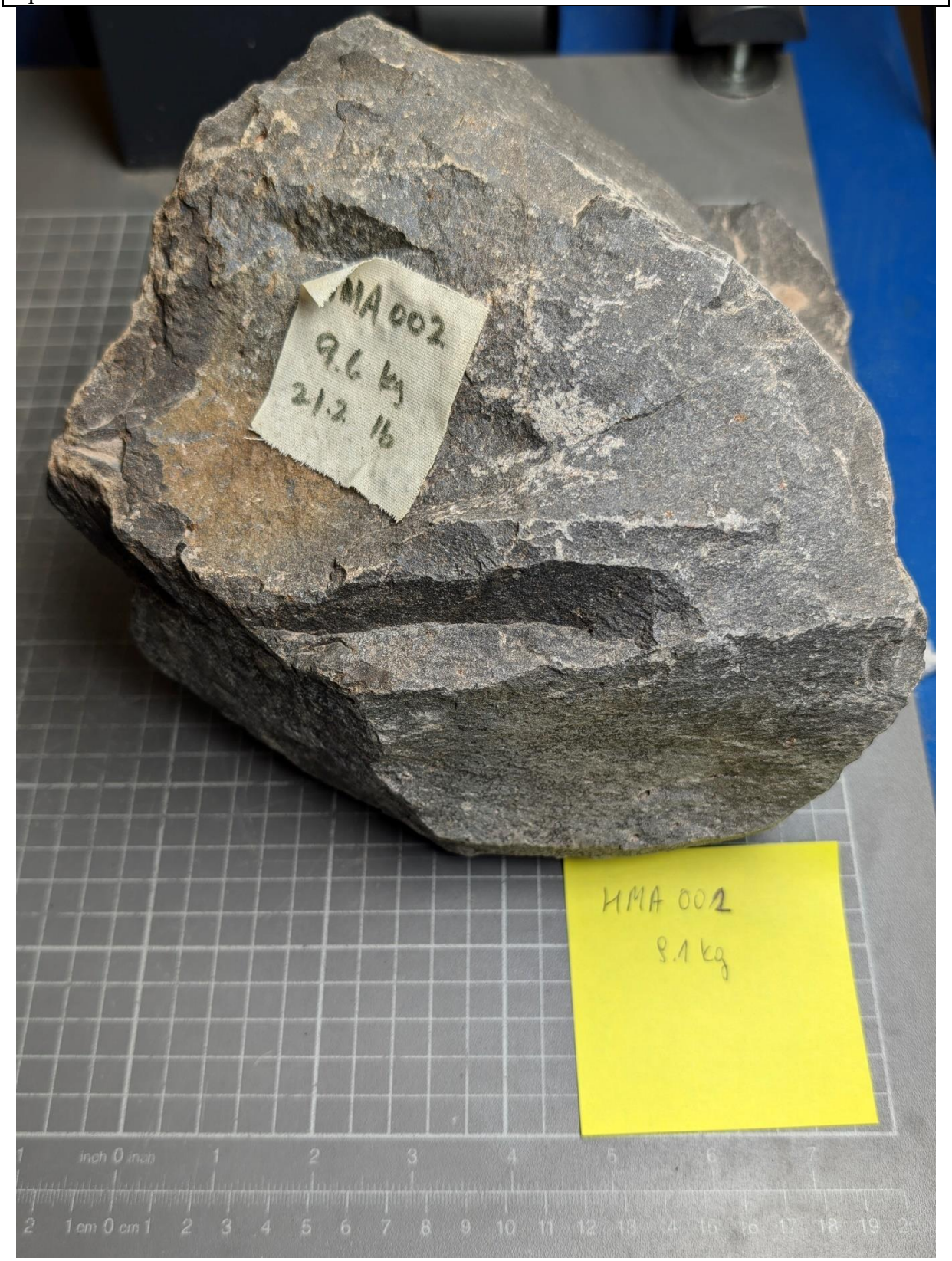

HMA 001
7.8 kg
17.0 lb

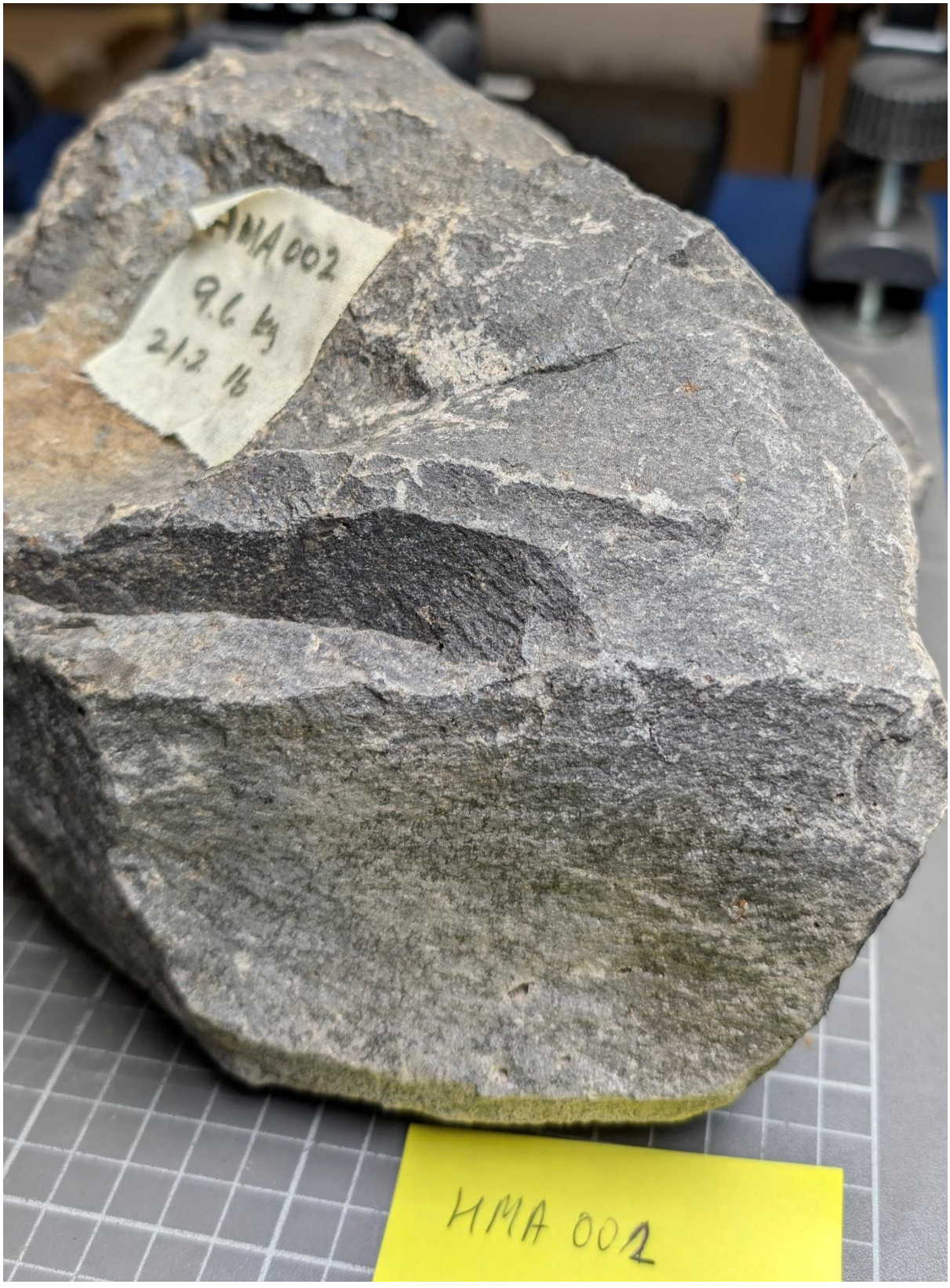

HNA 001
7,1 kg

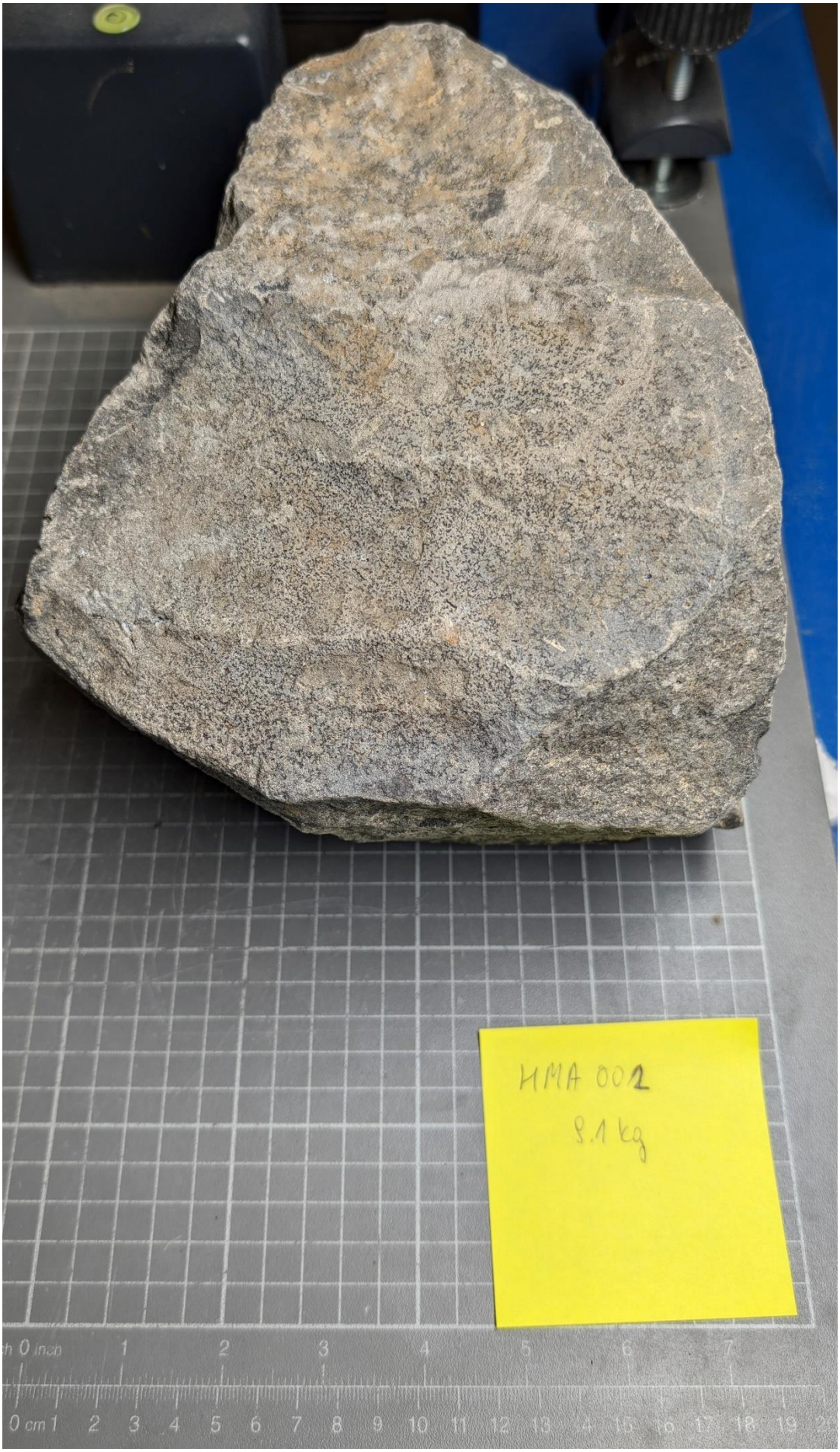


Sample HMA 002

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 9,1 kg
Special features:



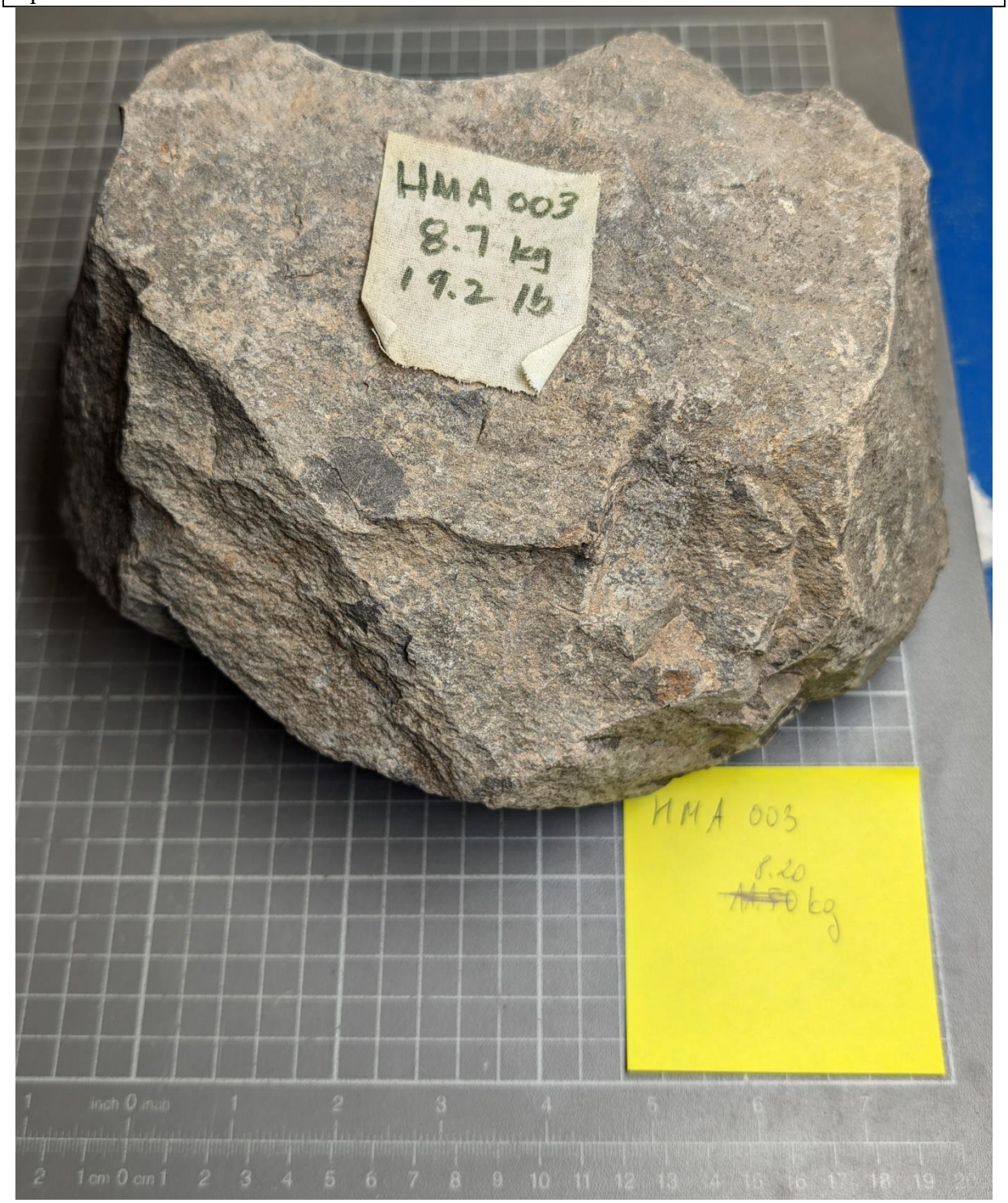

HMA 002
9.6 kg
21.2 lb
HMA 002


HMA 002
8.1 kg

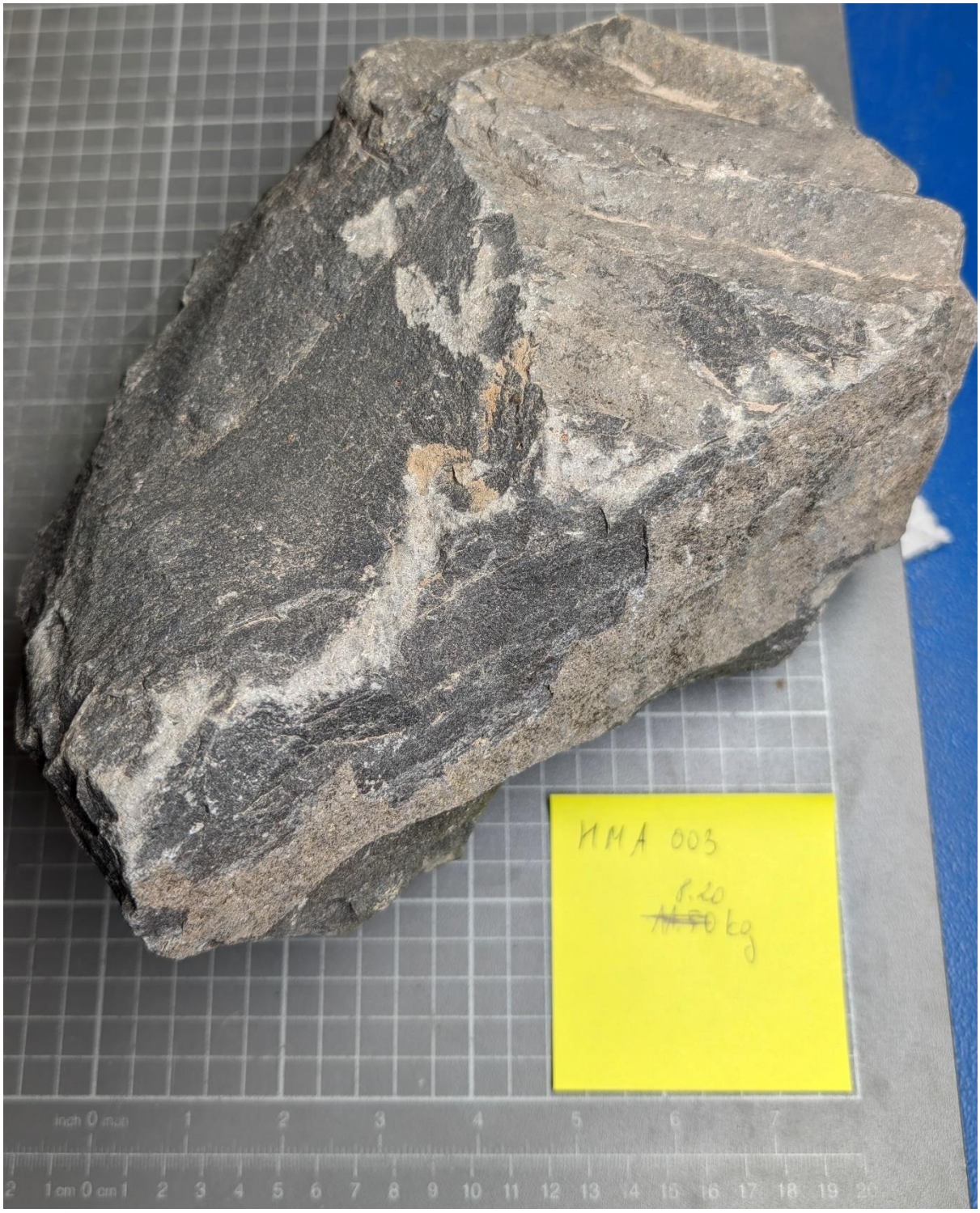


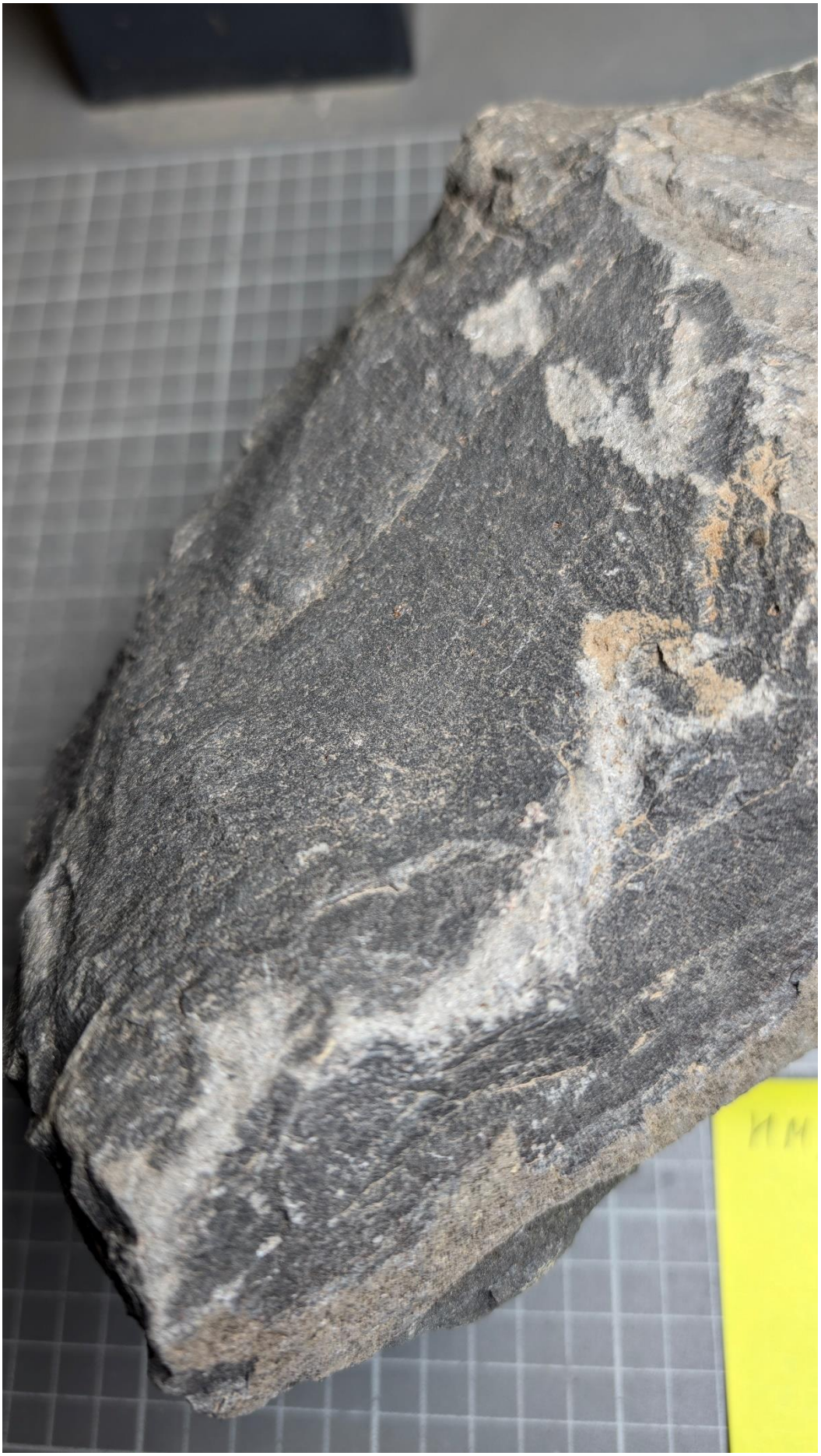
Sample HMA 003

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 8,2 kg
Special features:



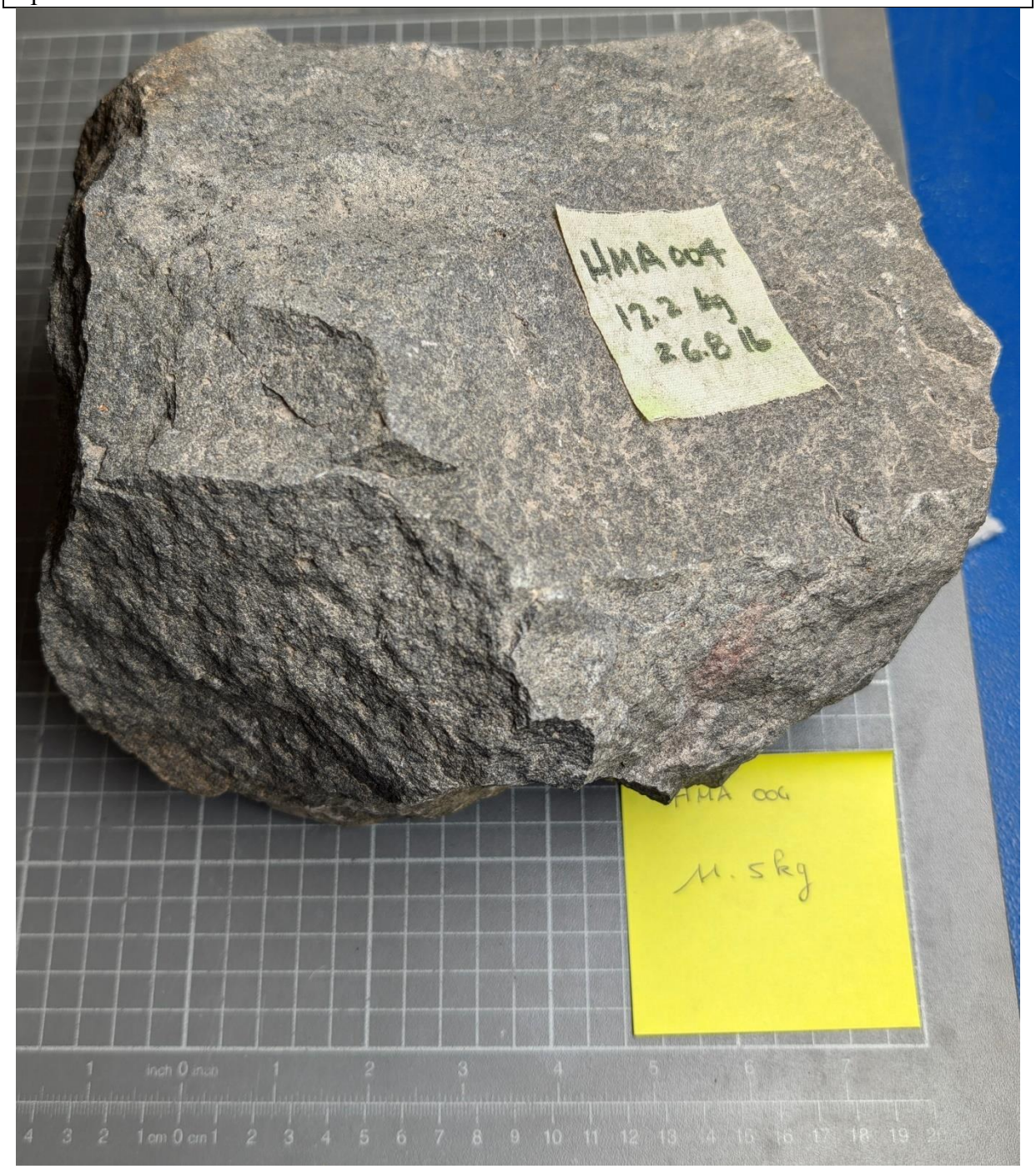


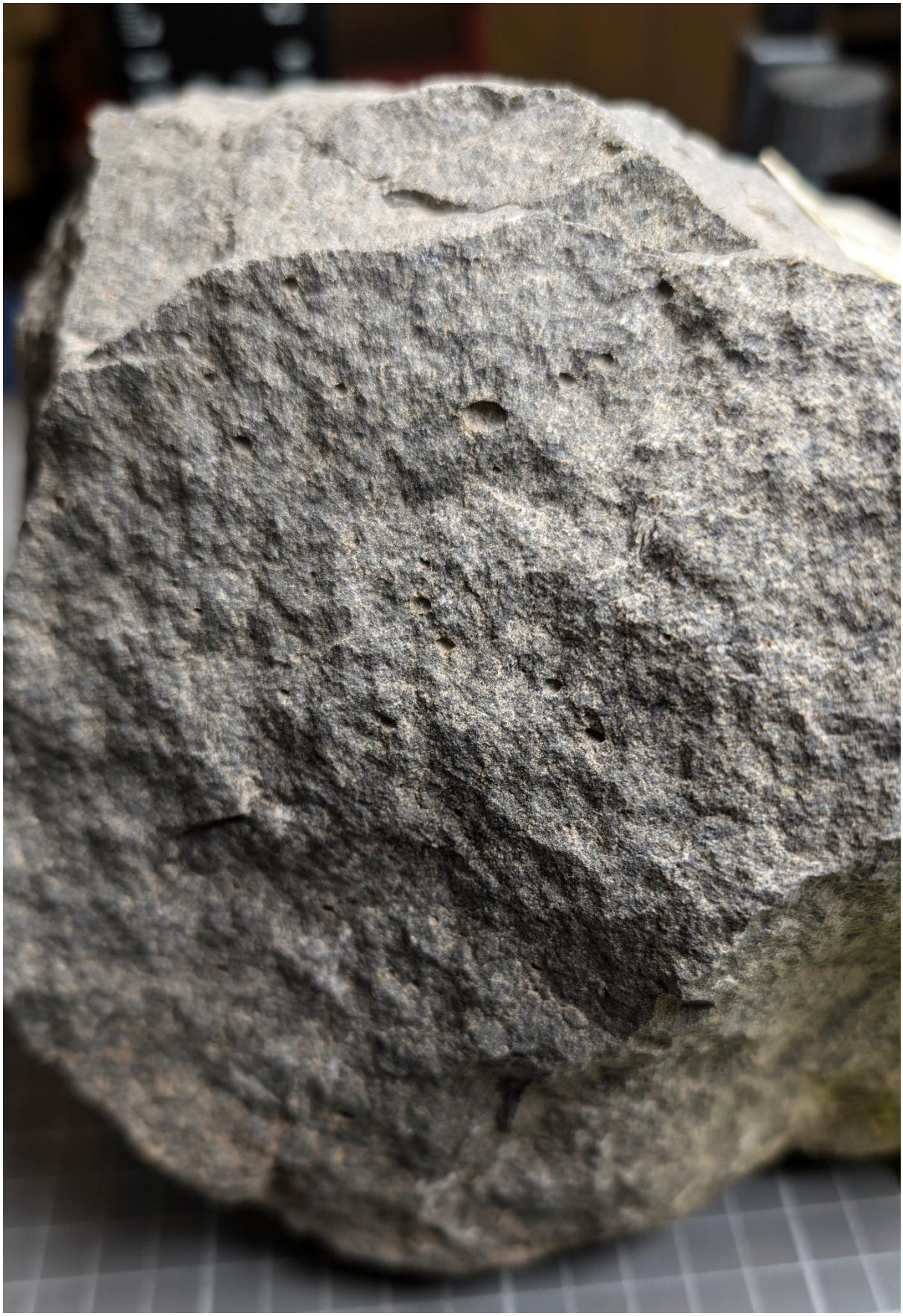

HMA 003
8.20
kg

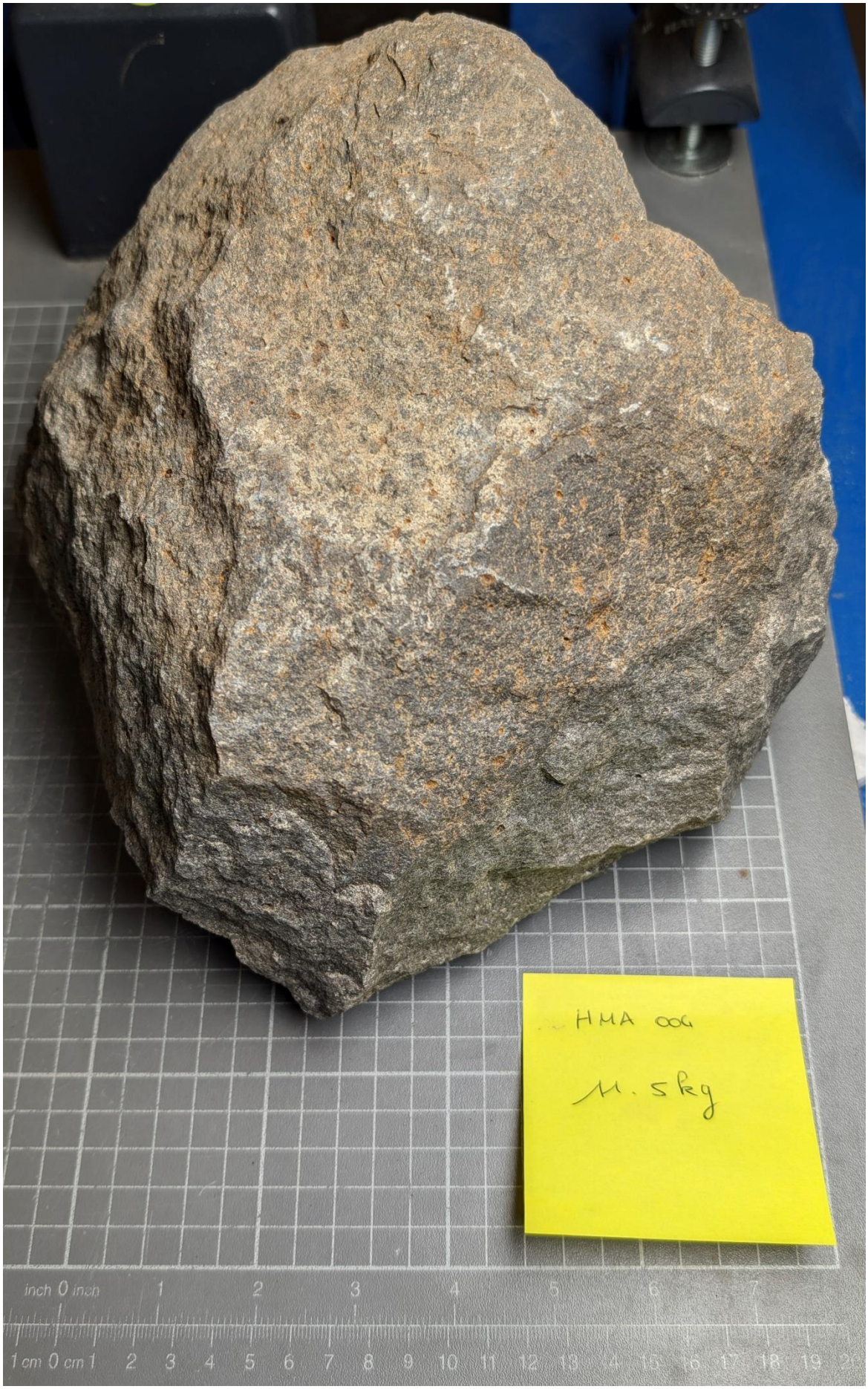


Sample HMA 004

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 11,5 kg
Special features:



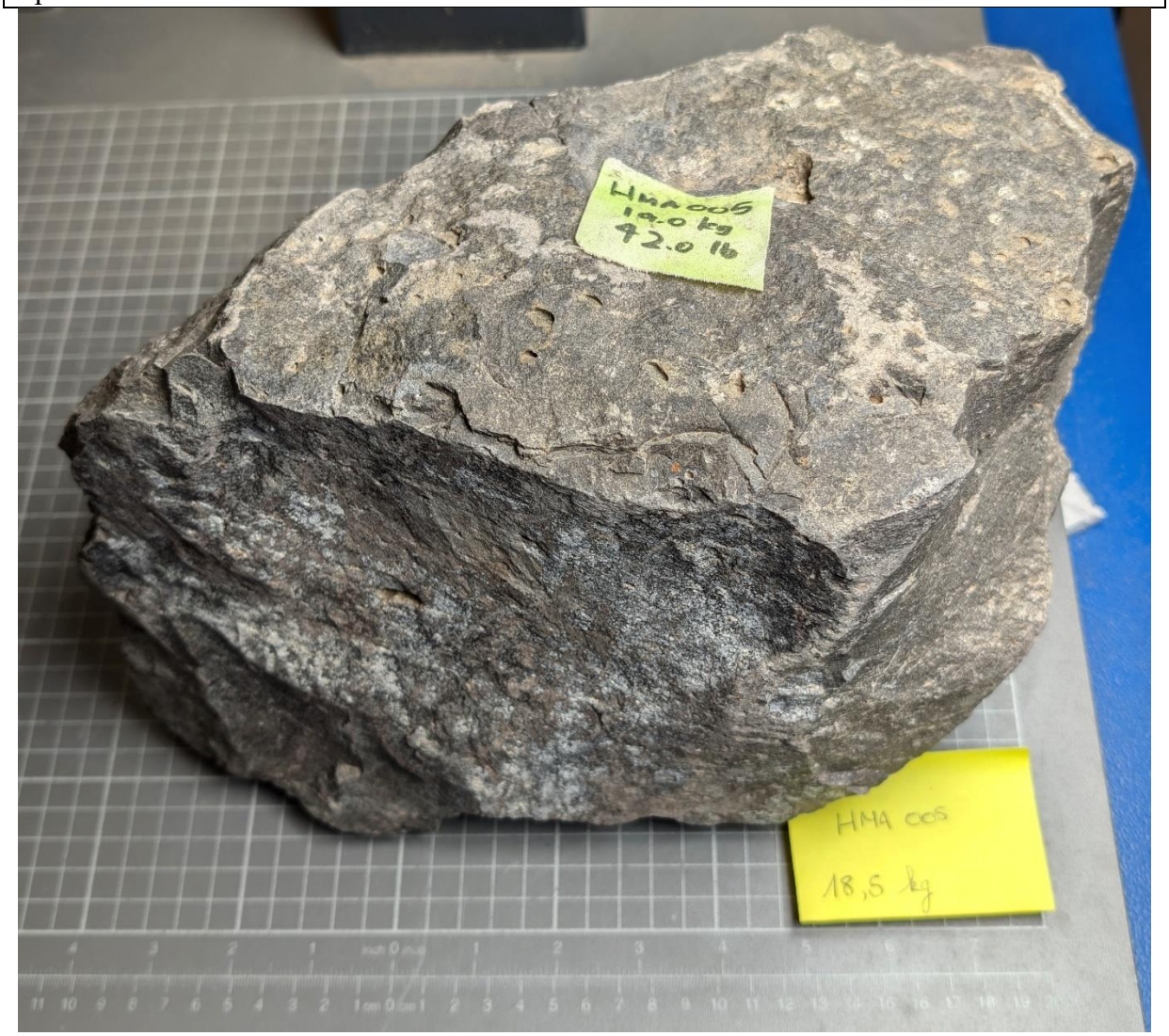


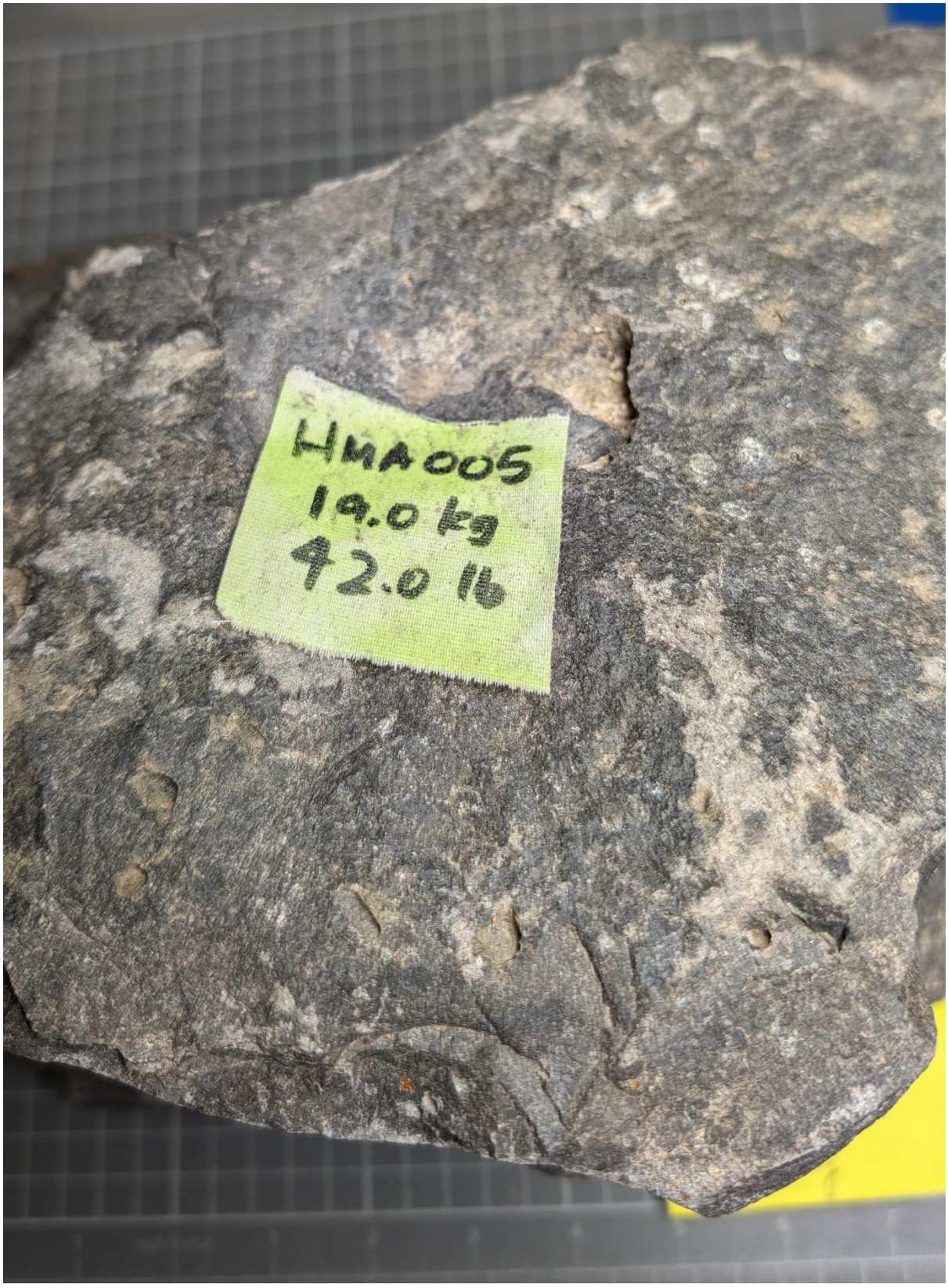

HMA 006
11.5kg



Sample HMA 005

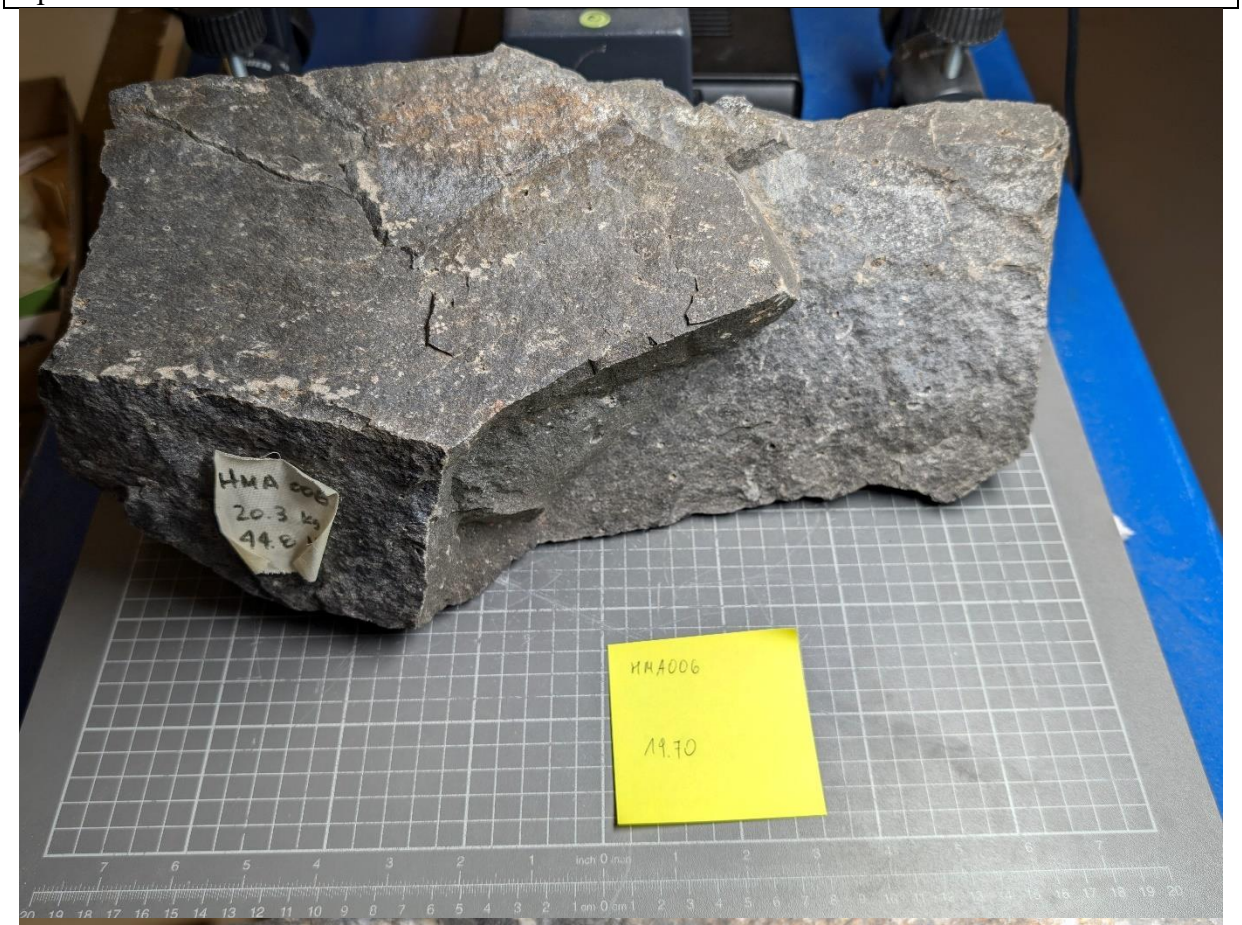
Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 18,5 kg
Special features:




HMA005
19.0 kg
42.0 lb

Sample HMA 006

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 19,7 kg
Special features:



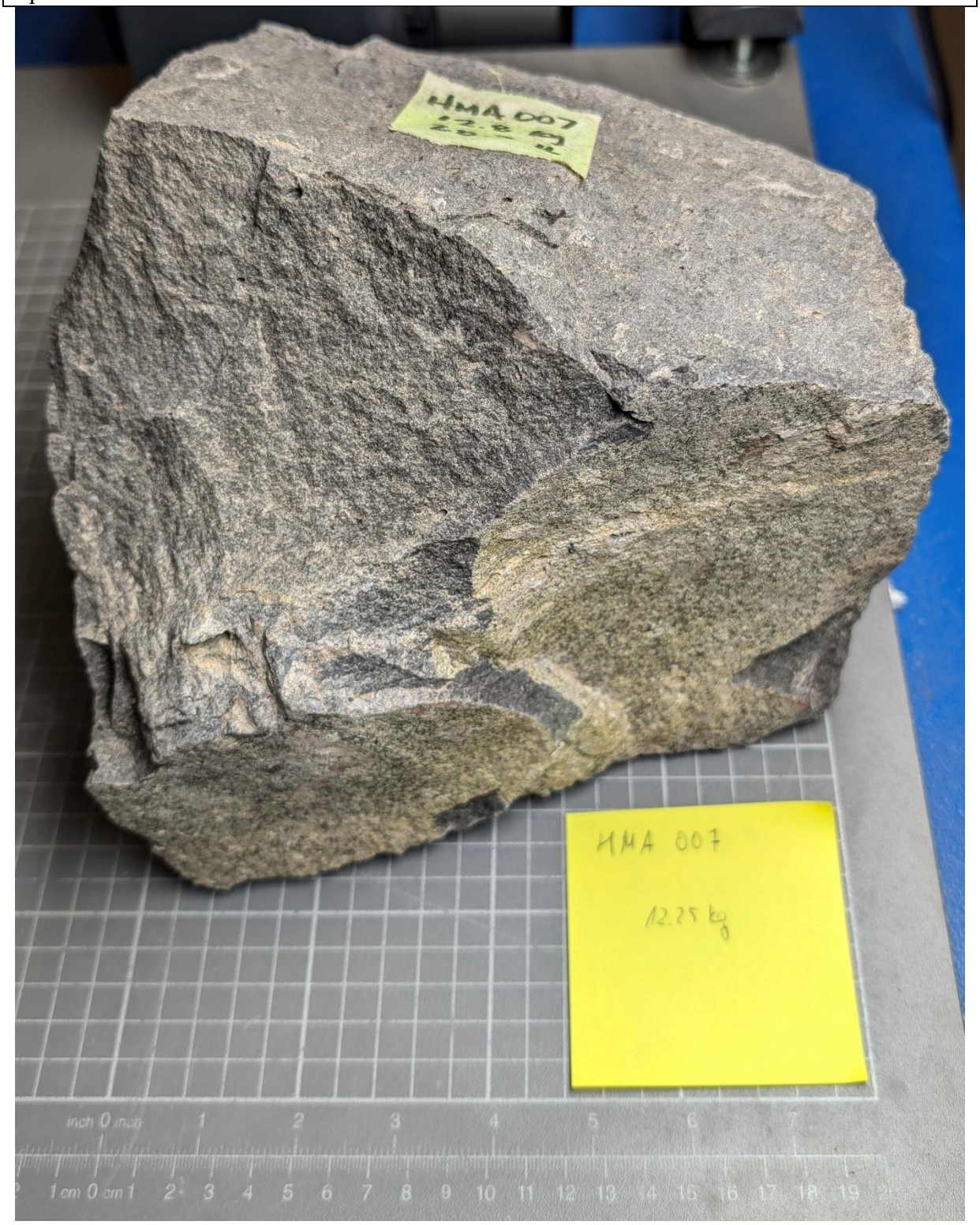


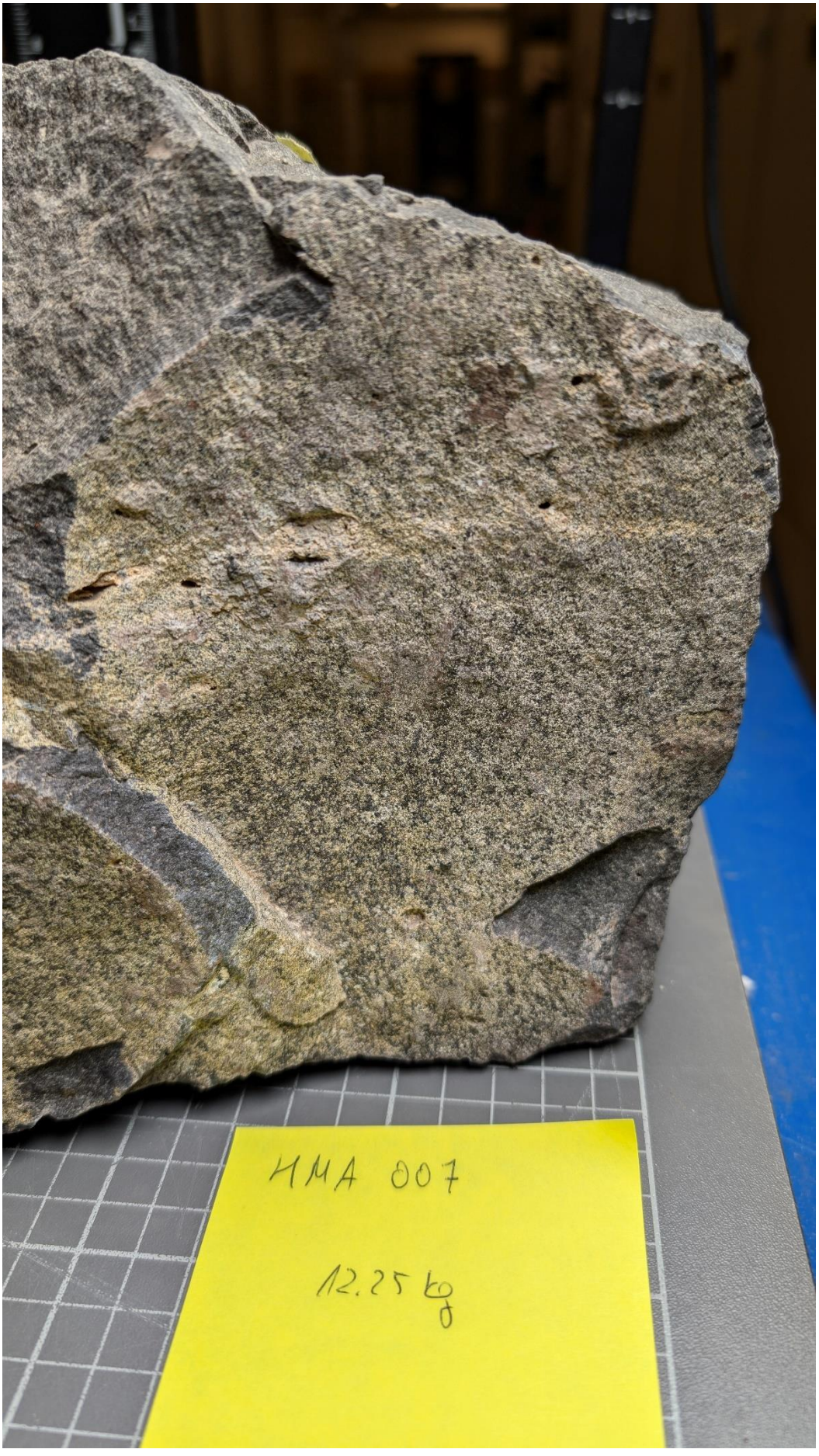




Sample HMA 007

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 12,25 kg
Special features:




HMA 007
12.25 kg

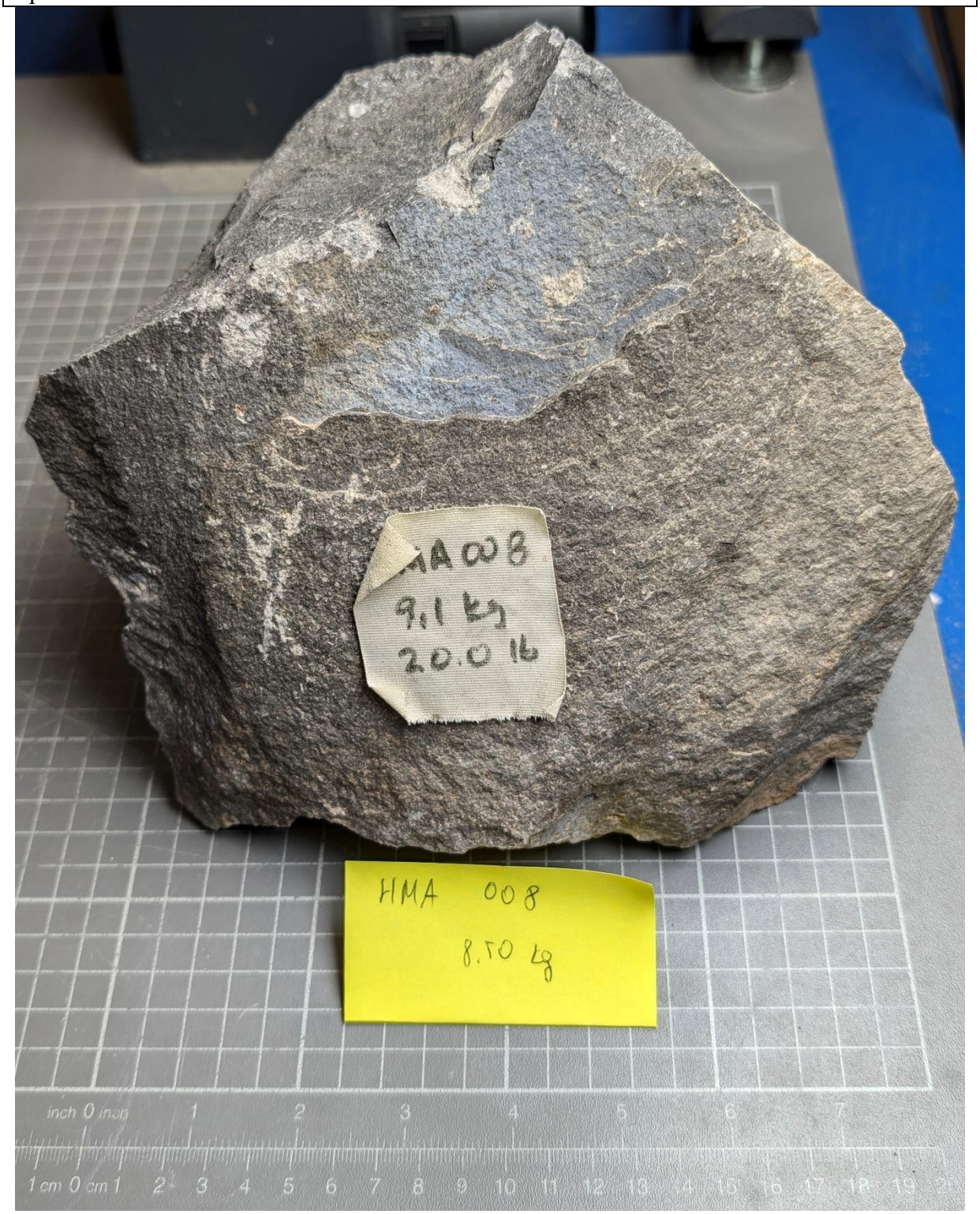

1
2
3
4


HMA 007
12.8 kg
28.2 IL
HMA 007
12.25 kg

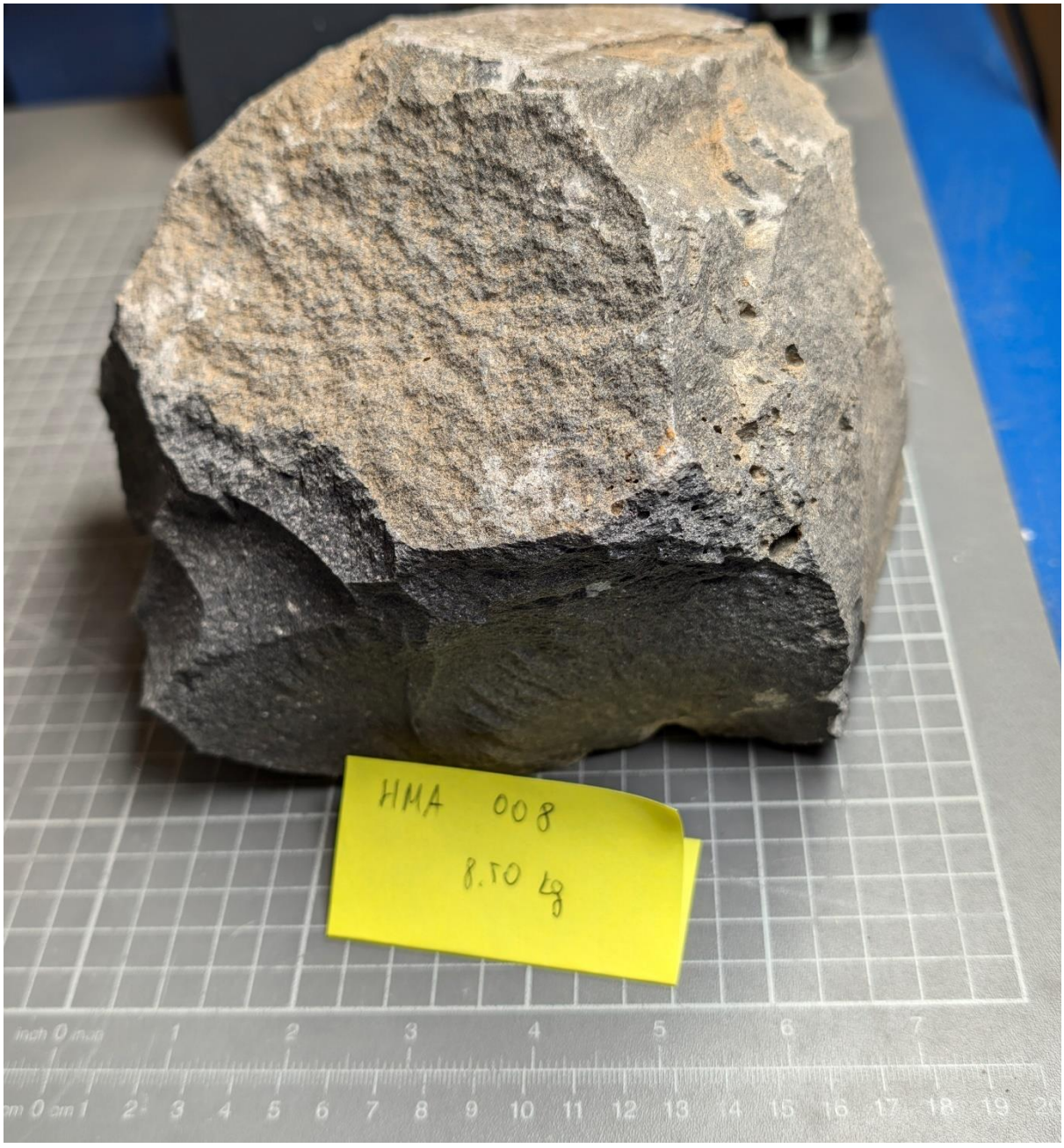


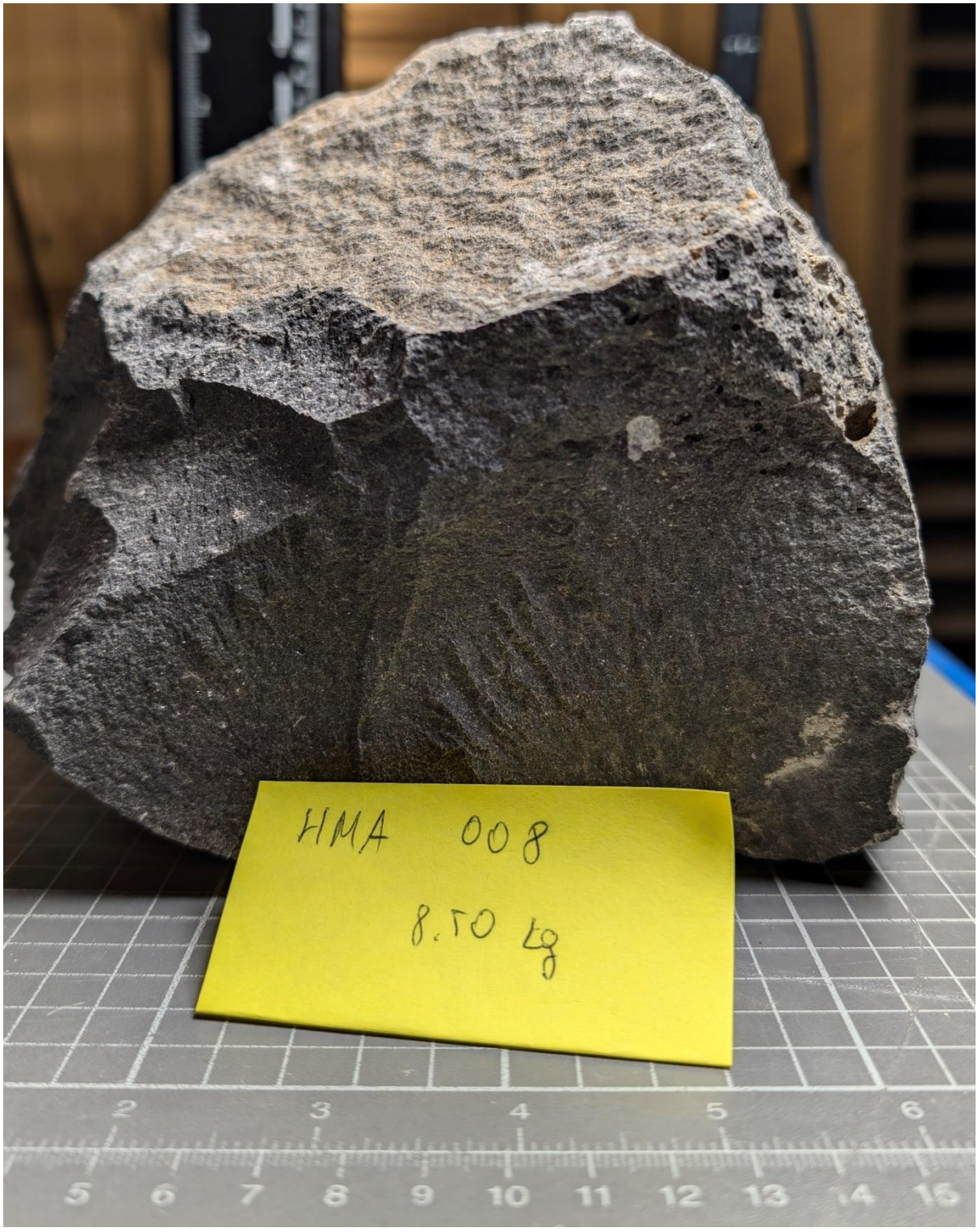
Sample HMA 008

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 8,5 kg
Special features:



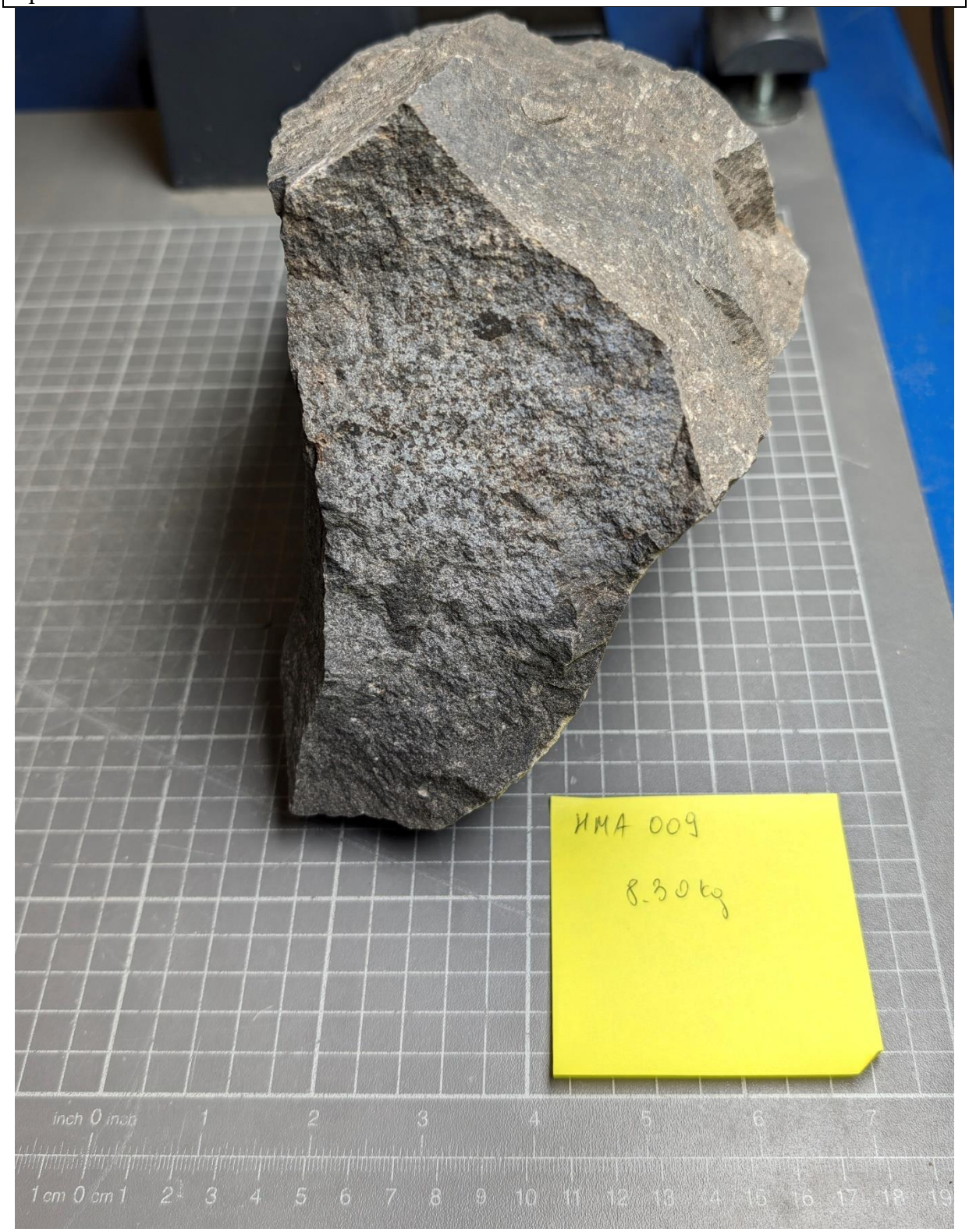


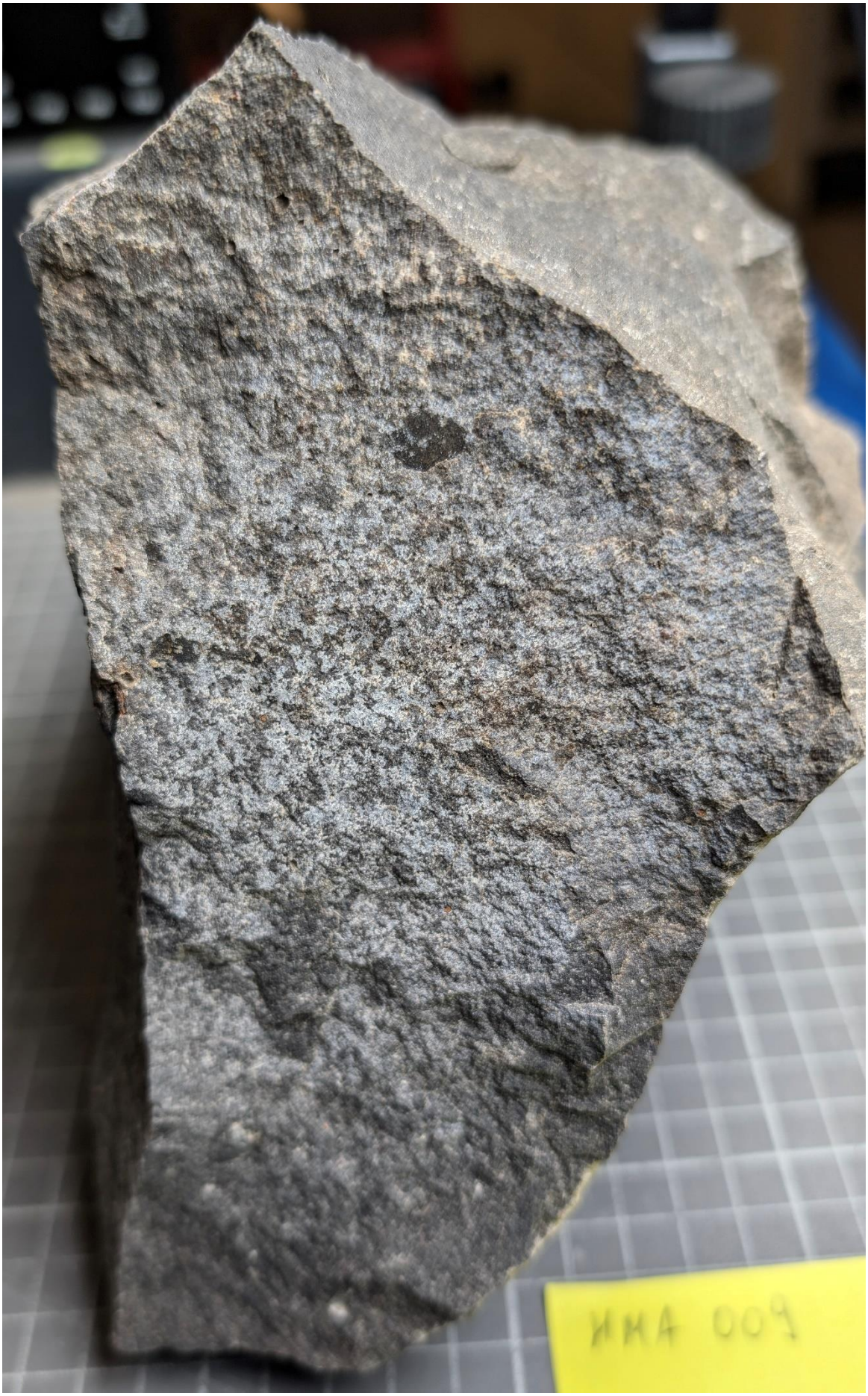

HMA 008
8.50 kg

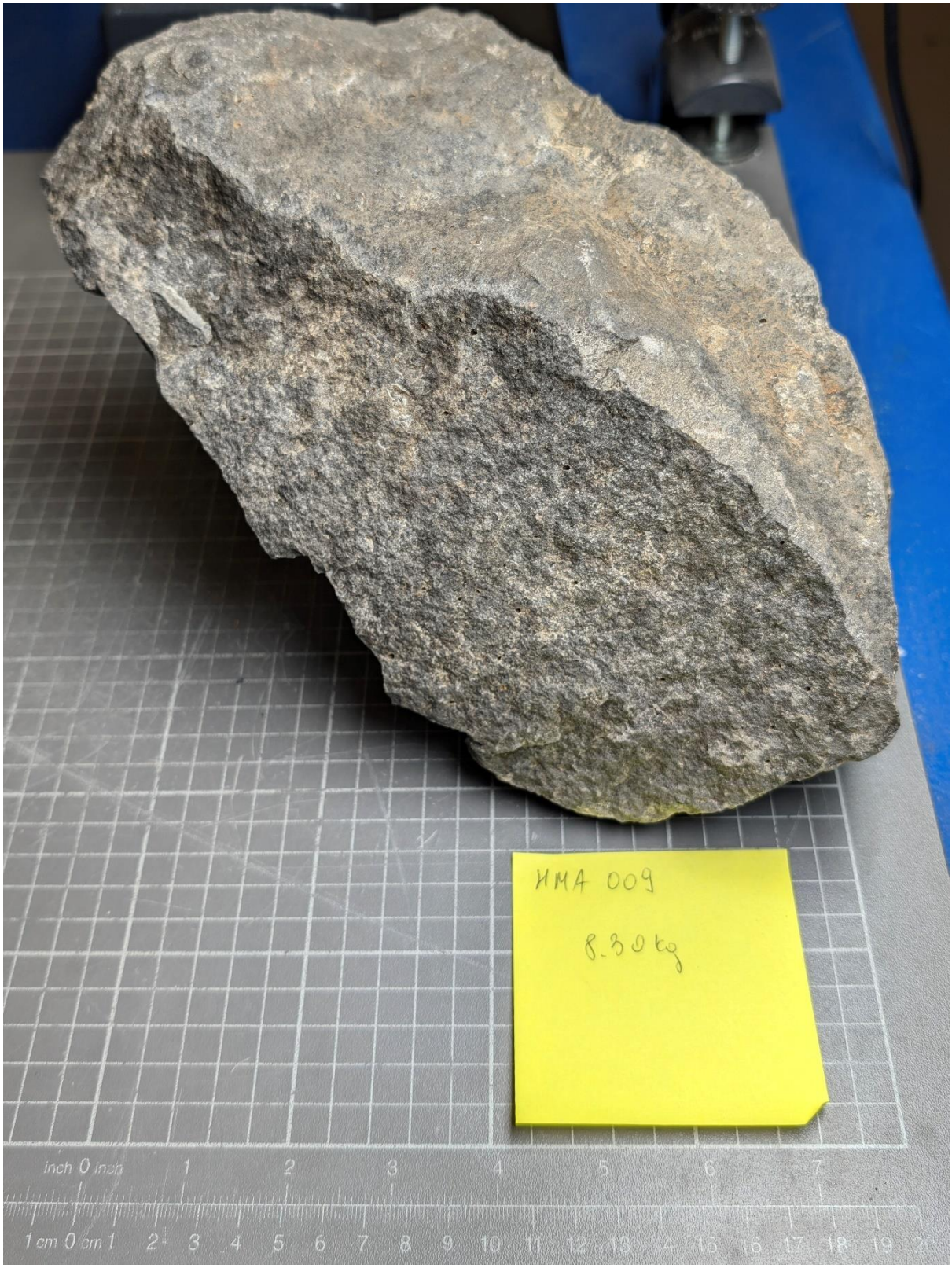

HMA 008
8.50 kg

Sample HMA 009

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 8,3 kg
Special features:



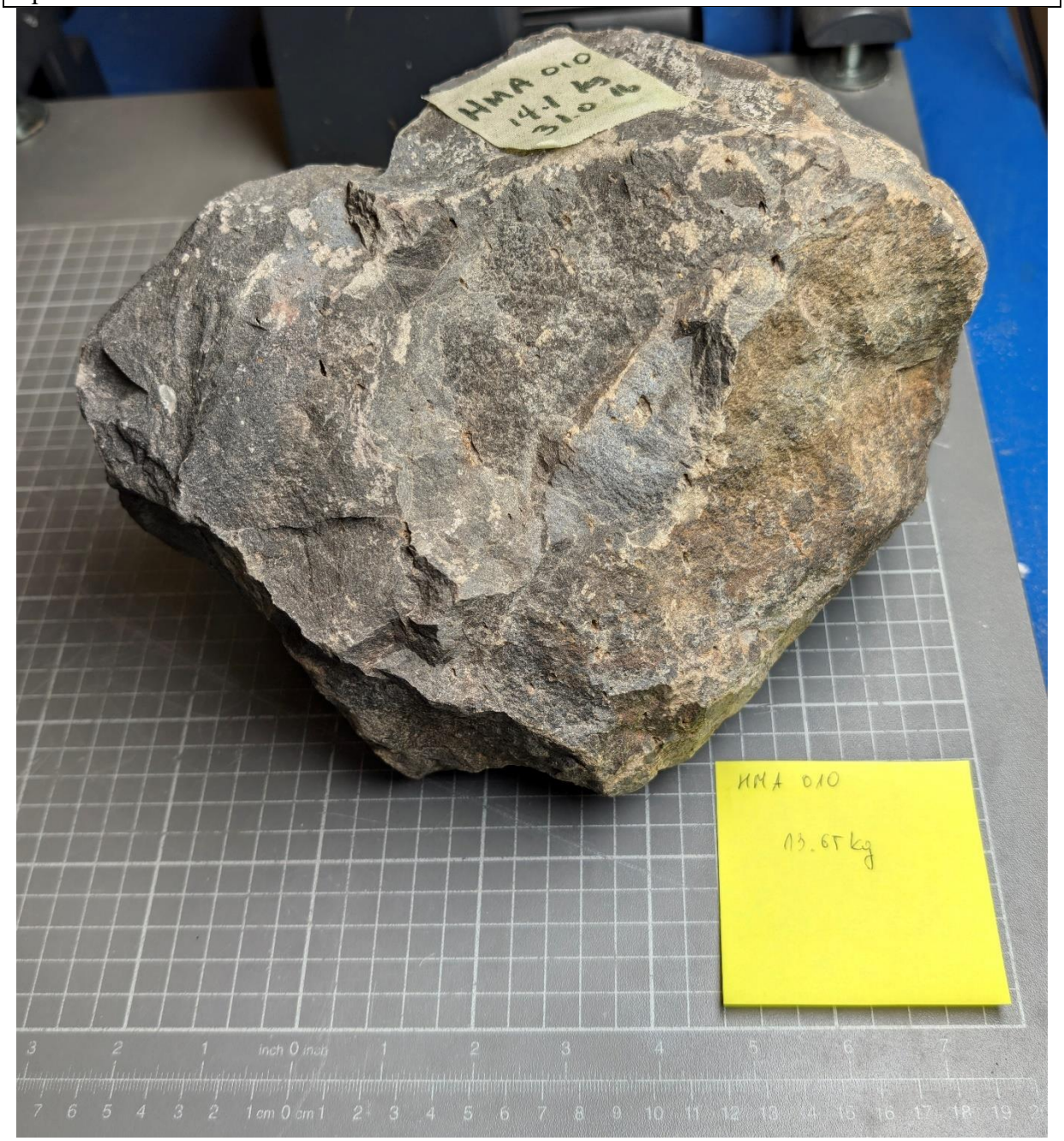

AMA 009


HMA 009
8.30 kg
inch 0 inch 1 2 3 4 5 6 7
1 cm 0 cm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19

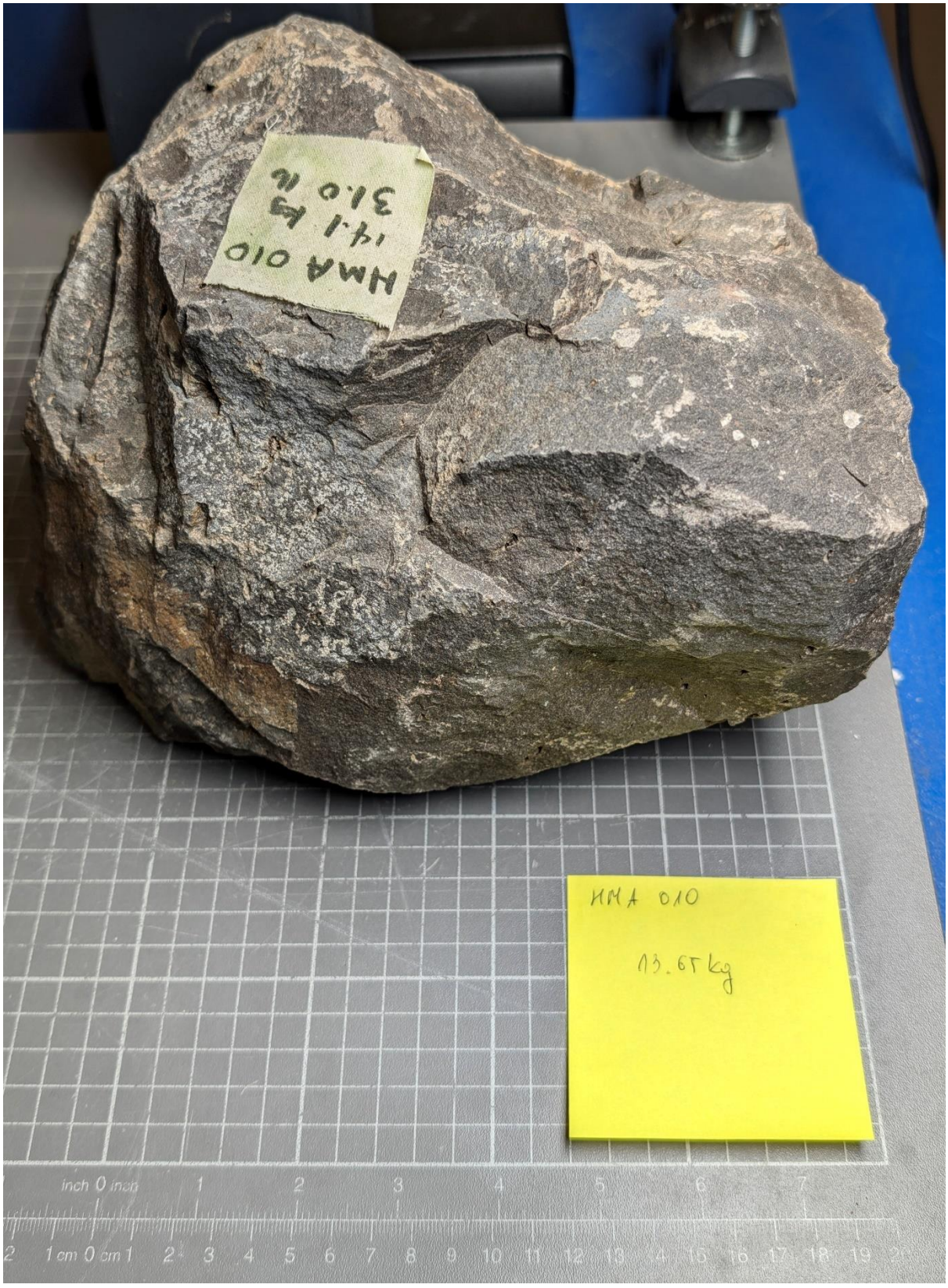

HMA 009
8.30kg

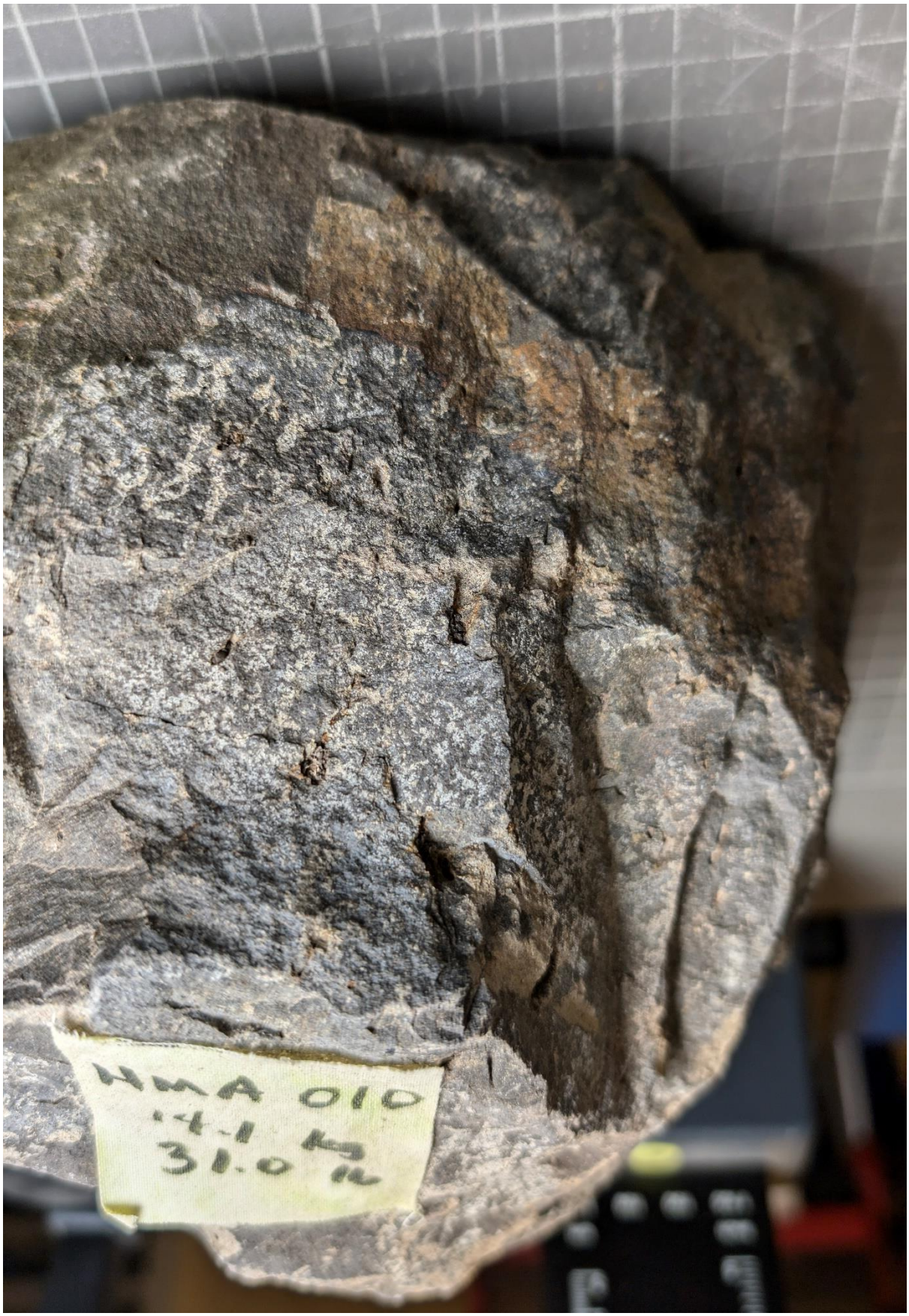
Sample HMA 010

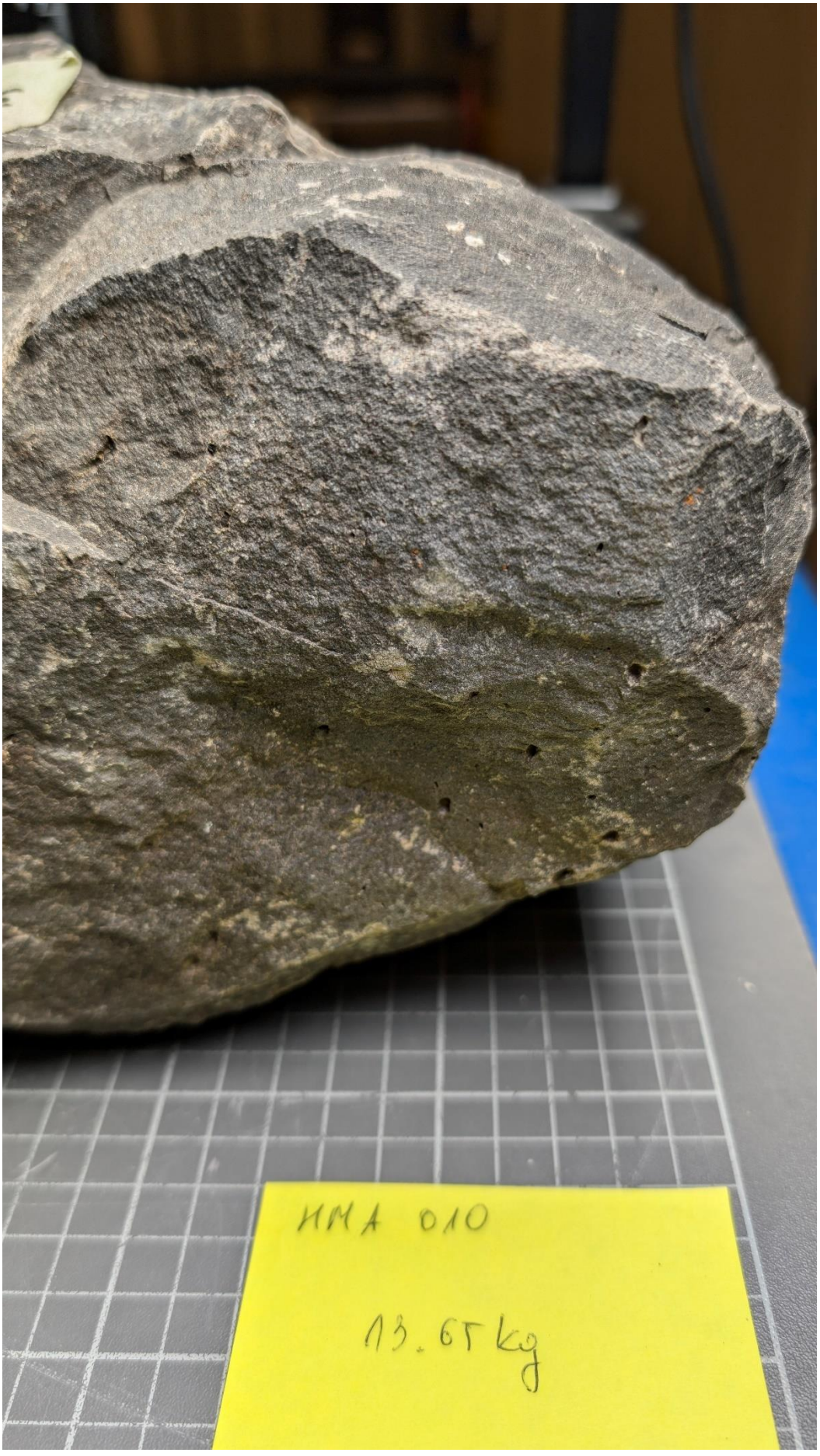
Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 13,65 kg
Special features:




HMA 010

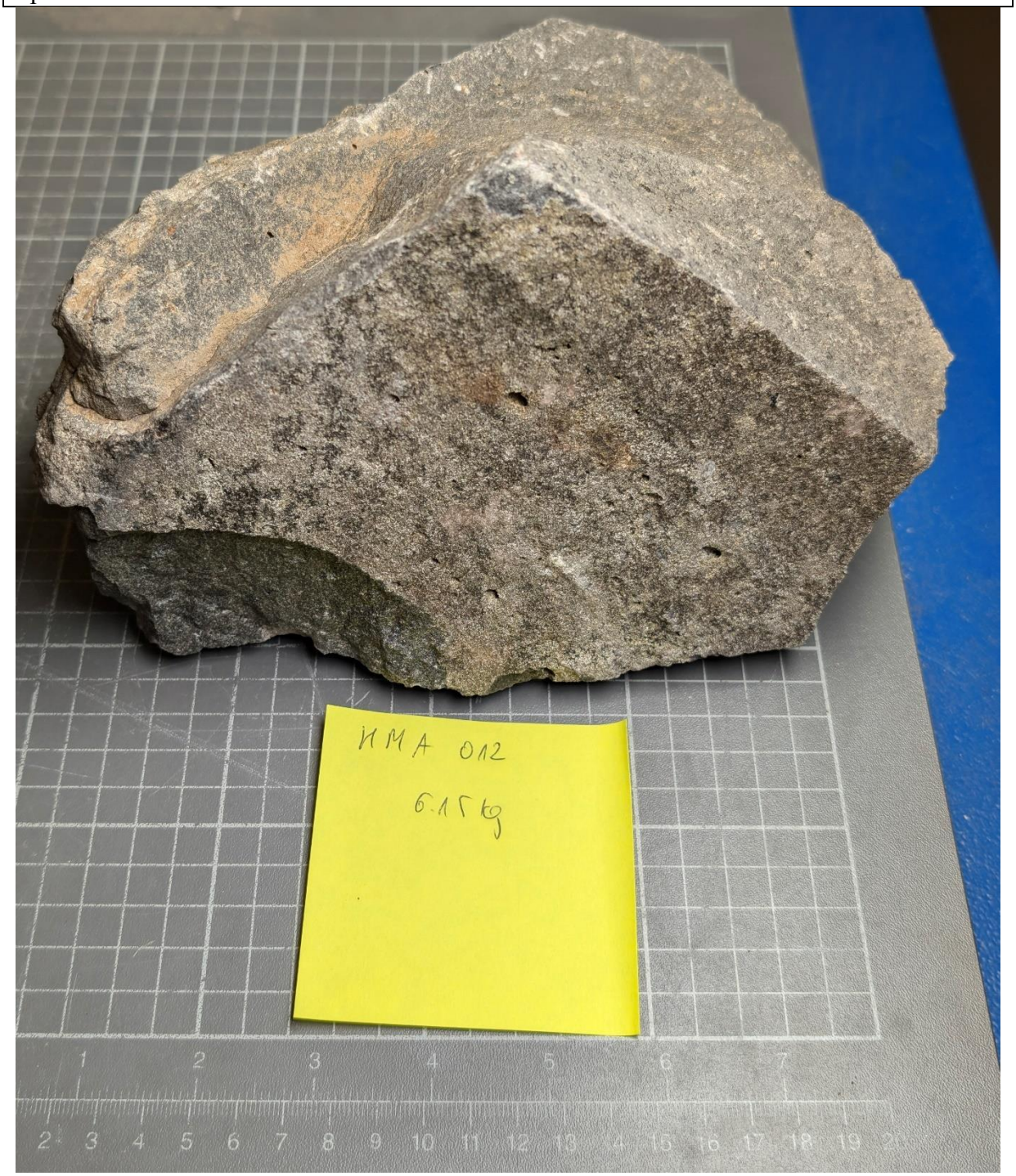

HMA 010
14.1 kg
31.0 L
HMA 010
13.6 kg

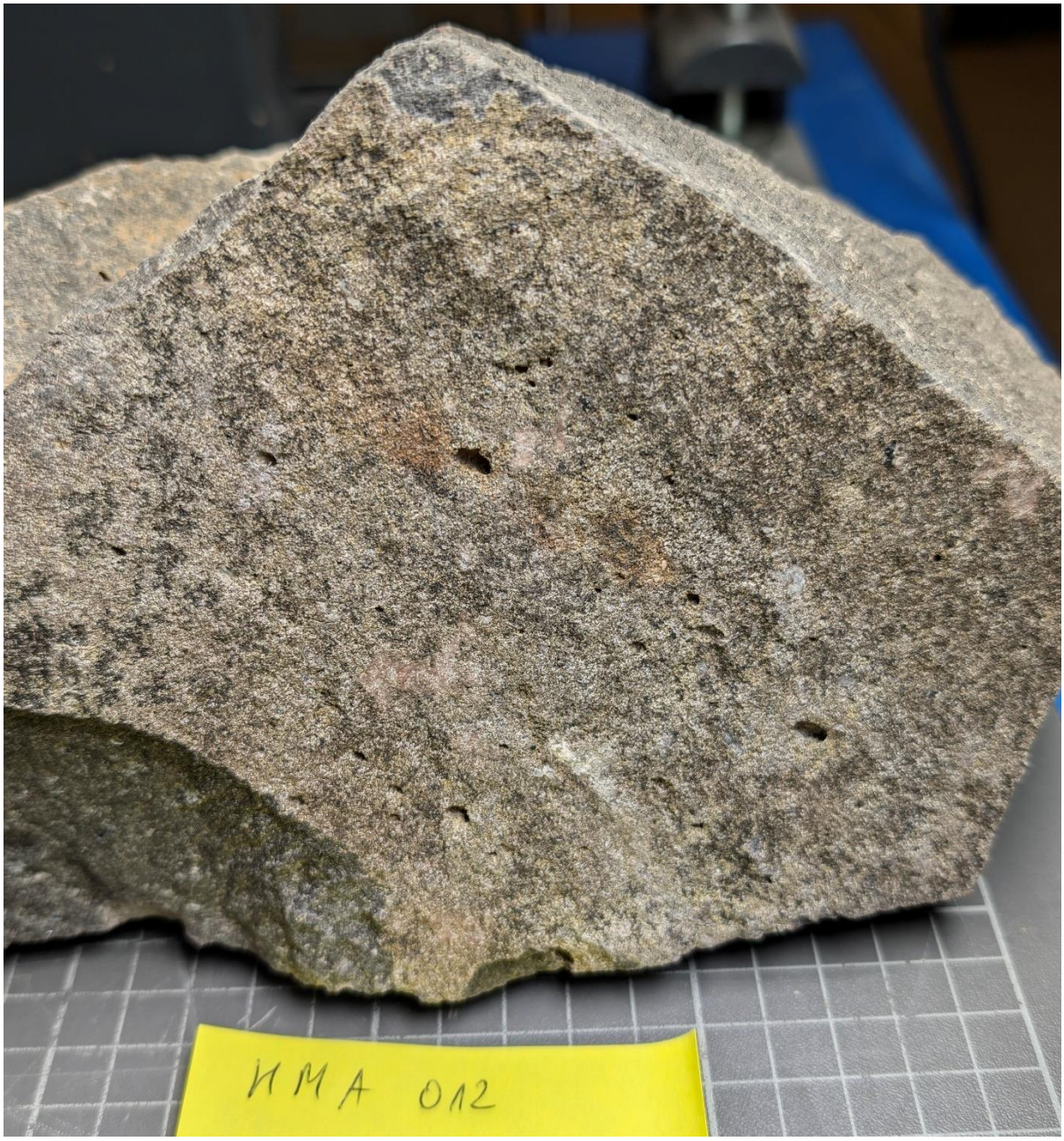

HMA 010
14.1 m
31.0 m

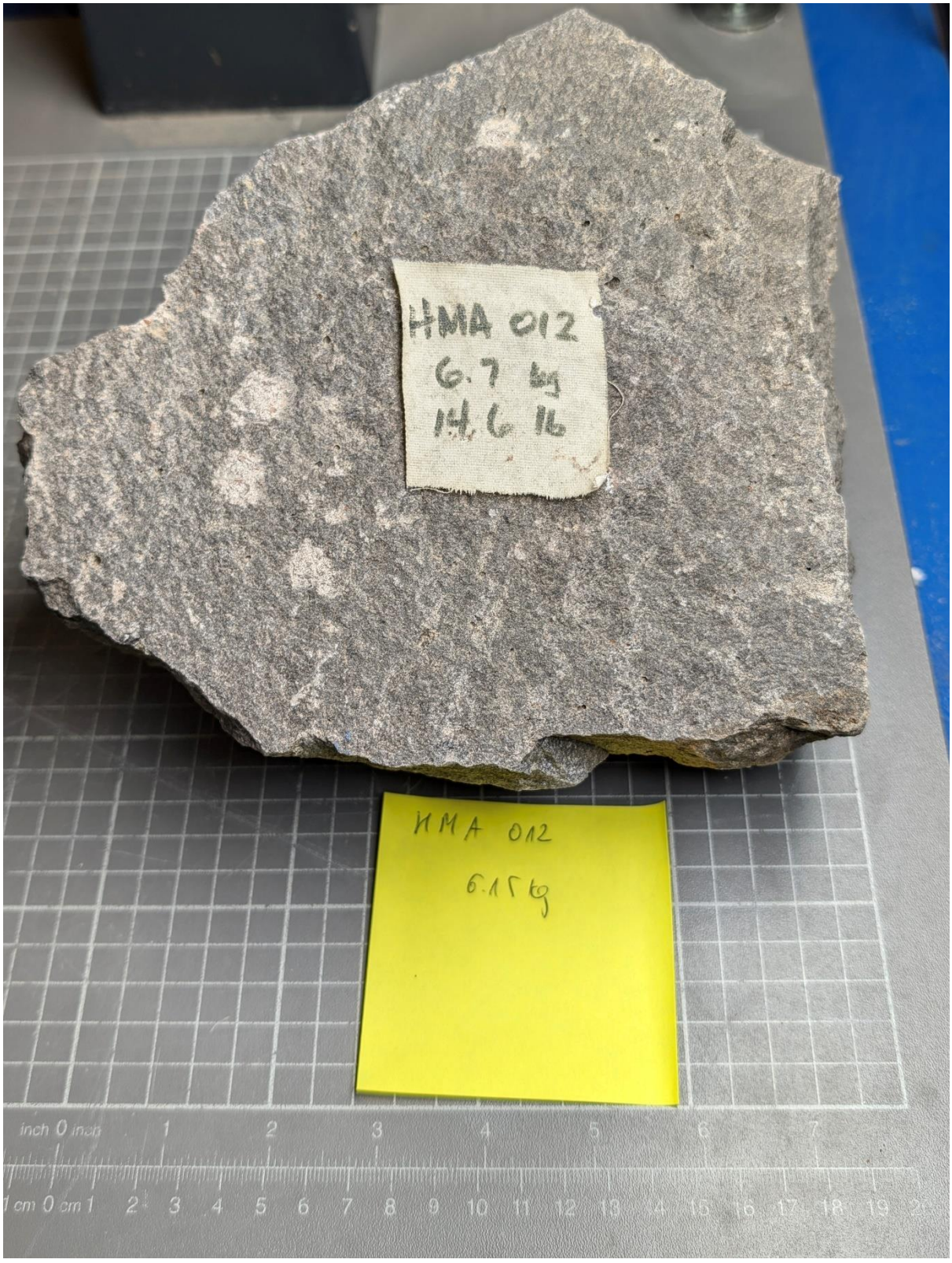

HMA 010
13.65 kg

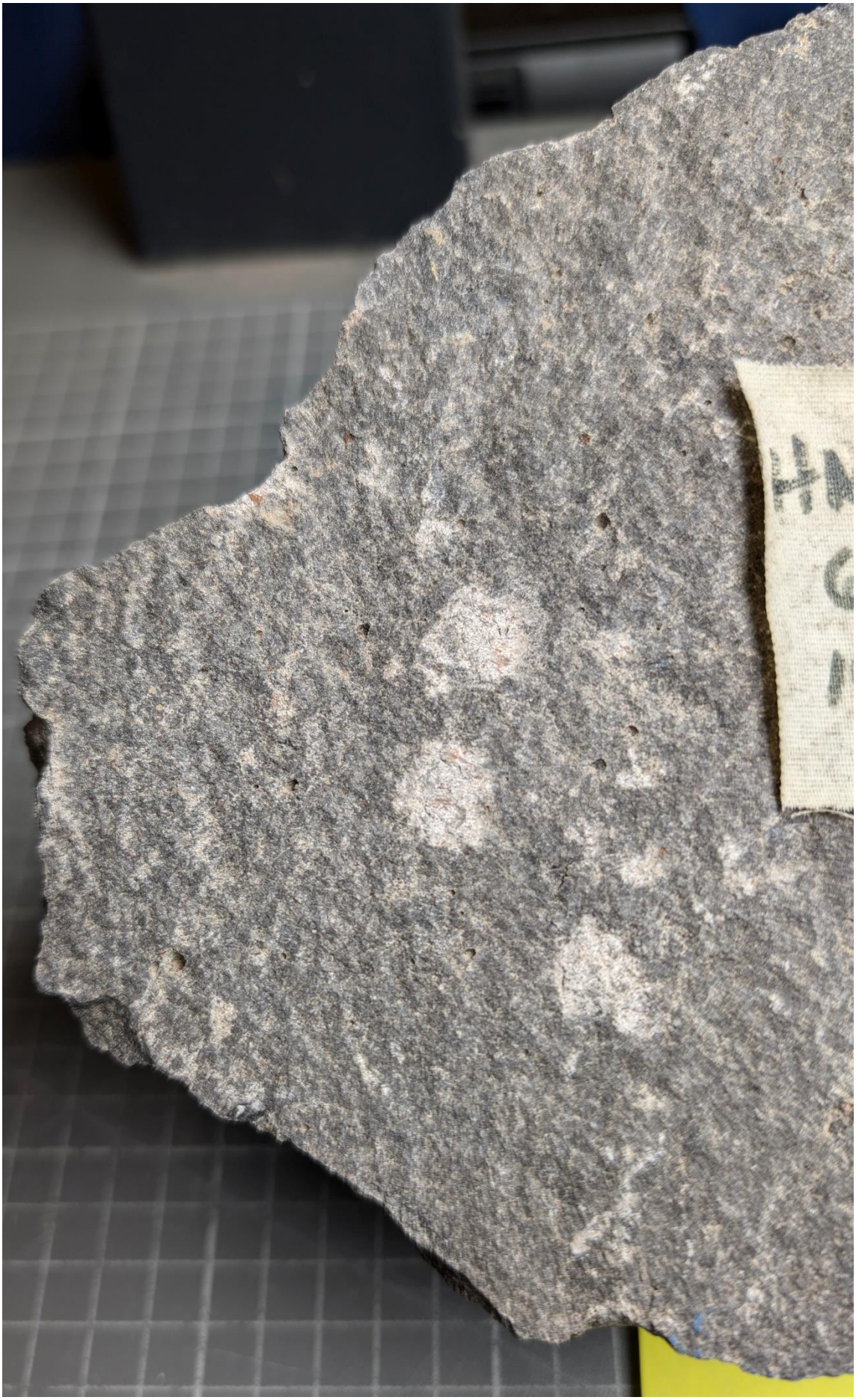
Sample HMA 012

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 6,15 kg
Special features:



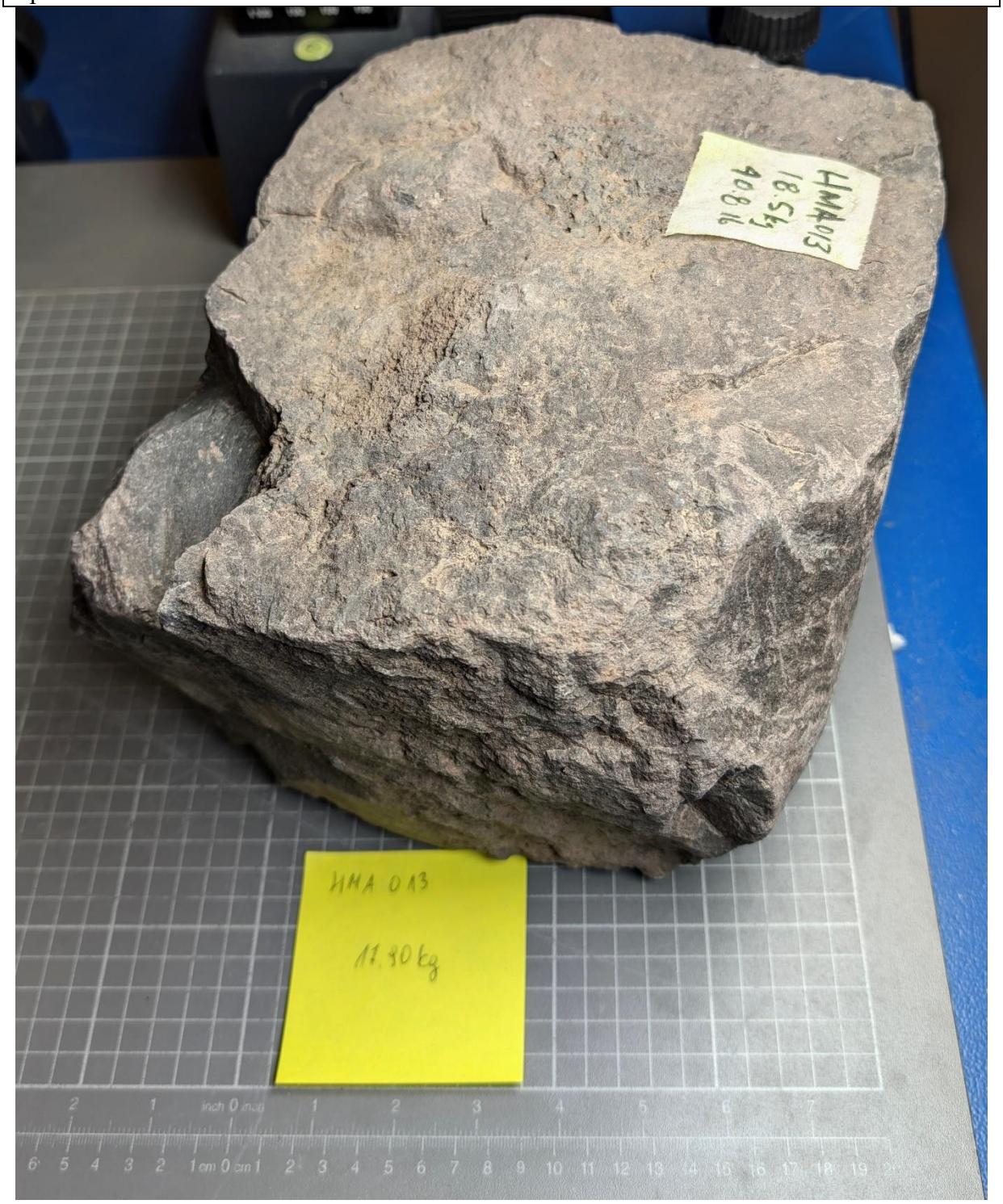

KMA 012

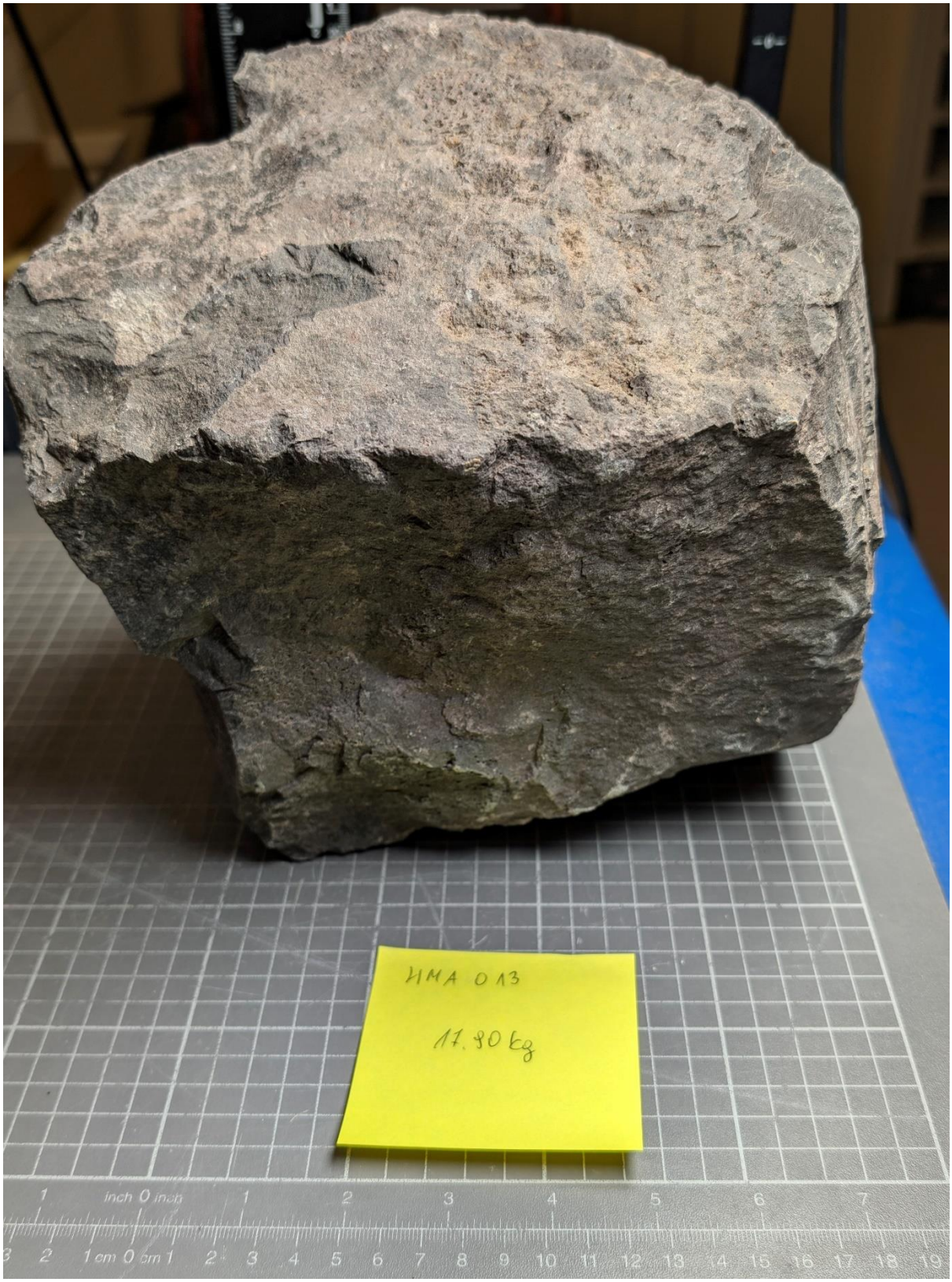

HMA 012
6.7 kg
14.6 lb
HMA 012
6.15 kg



Sample HMA 013

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 17,9 kg
Special features:

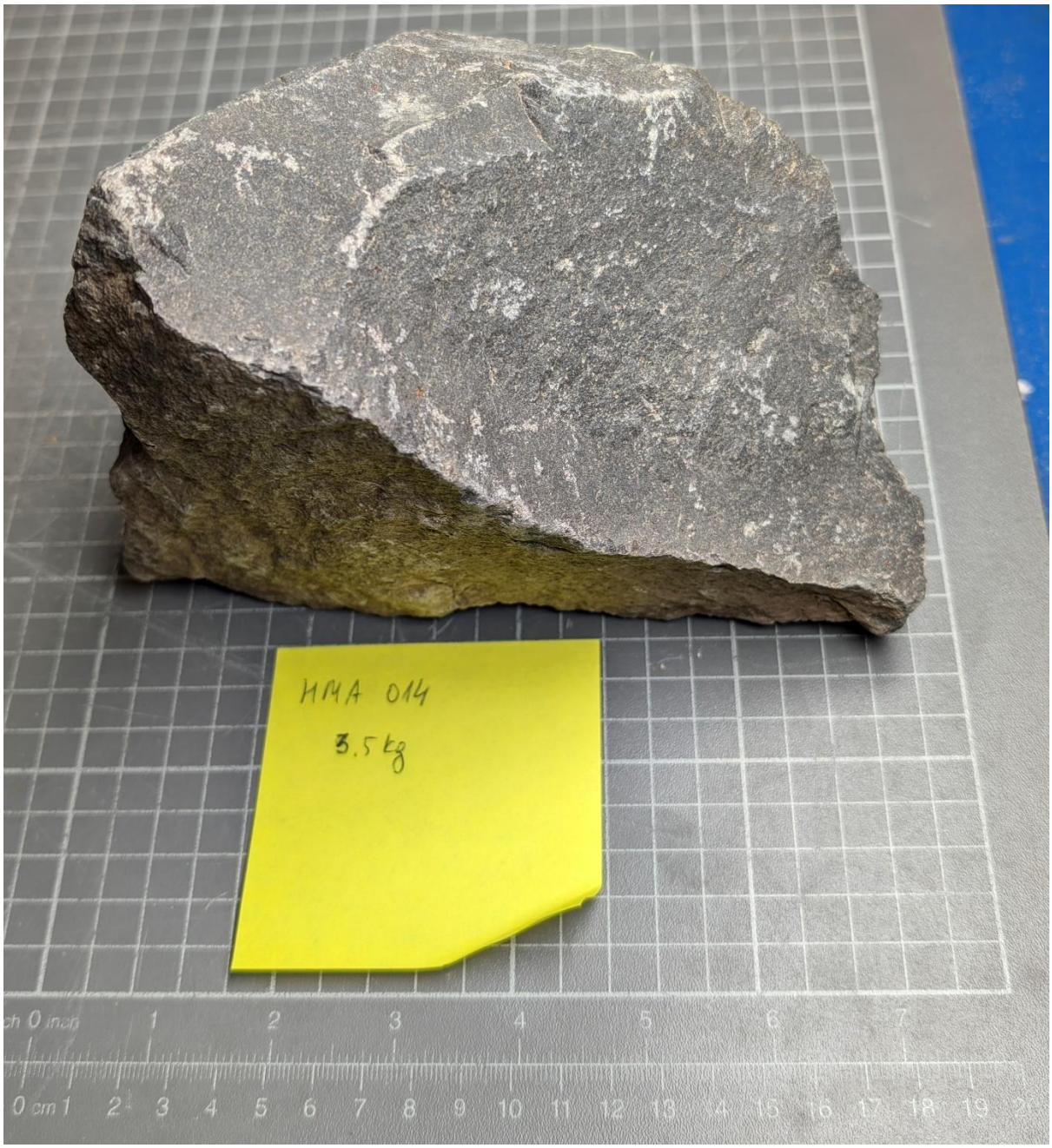


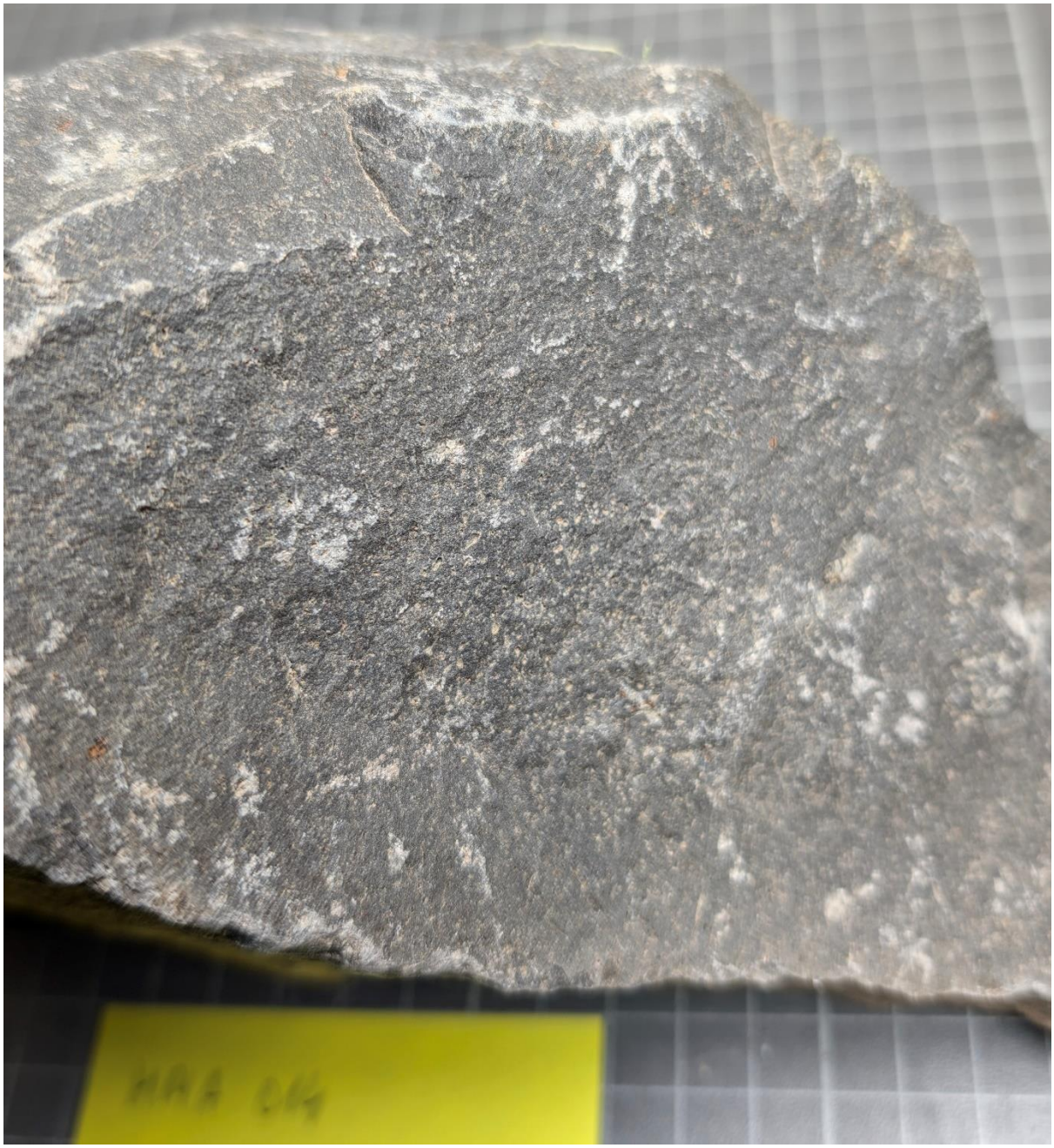

HMA 013
11.80 kg

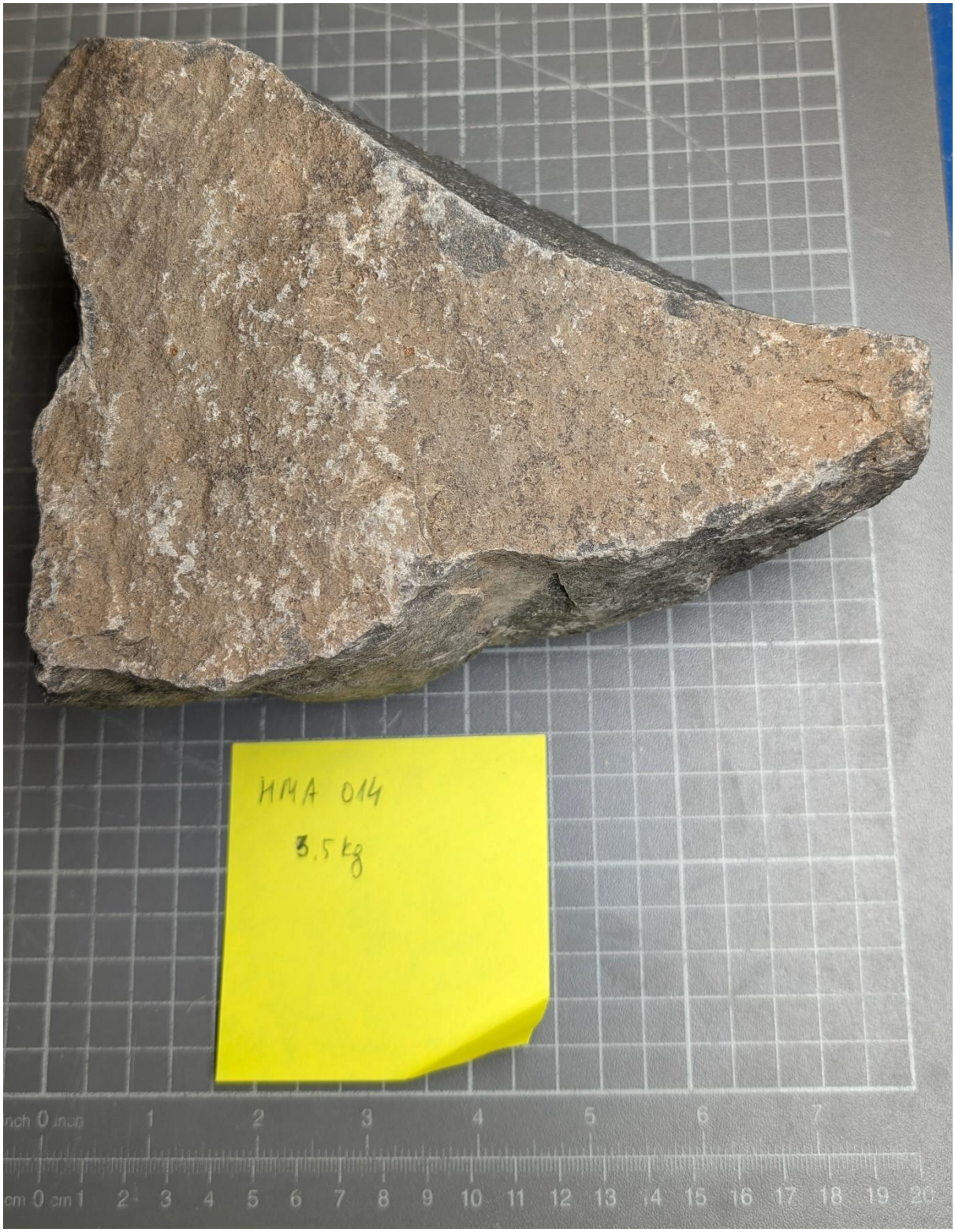

HMA 013

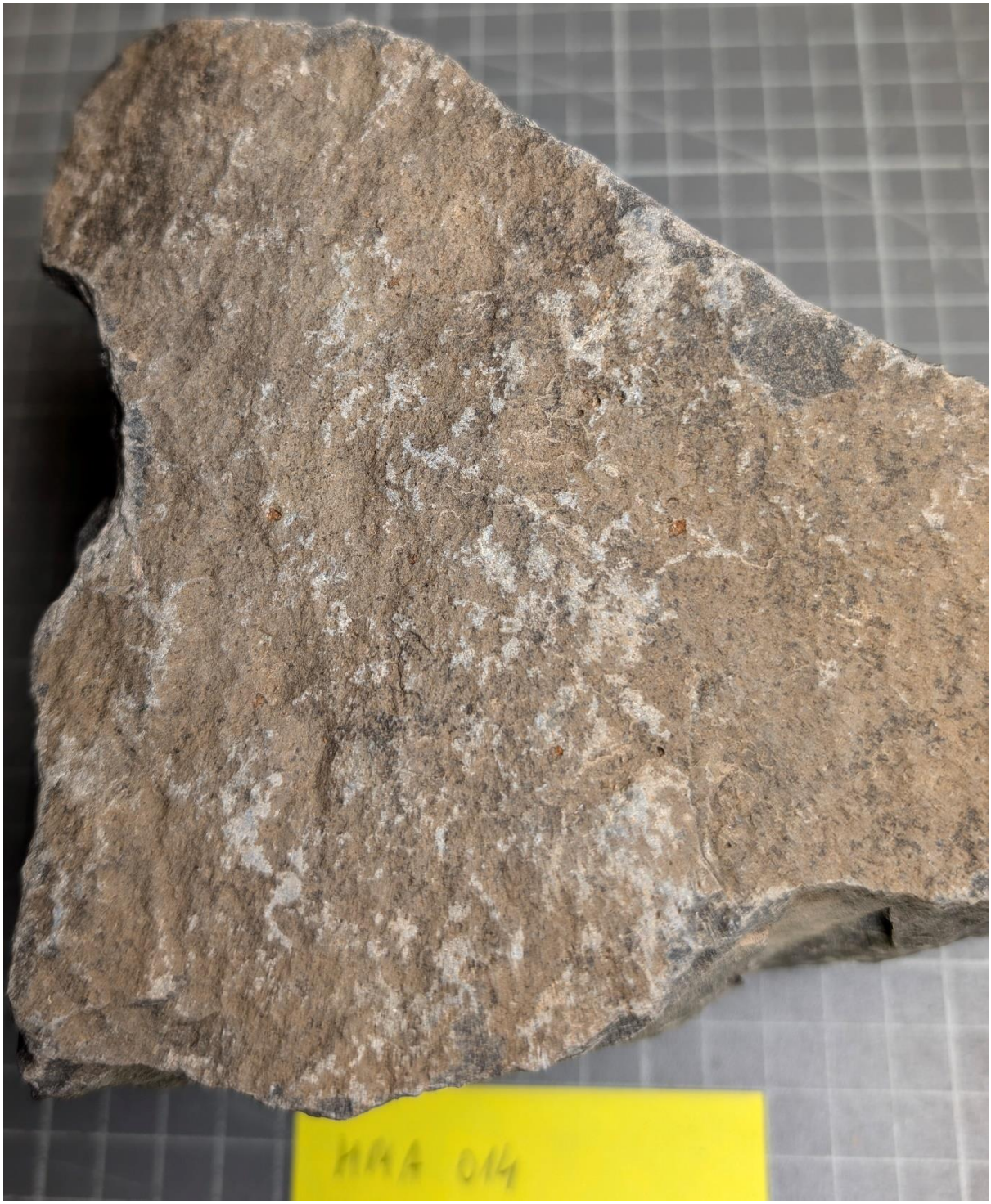
Sample HMA 014

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric) Weight: 3,5 kg Special features:



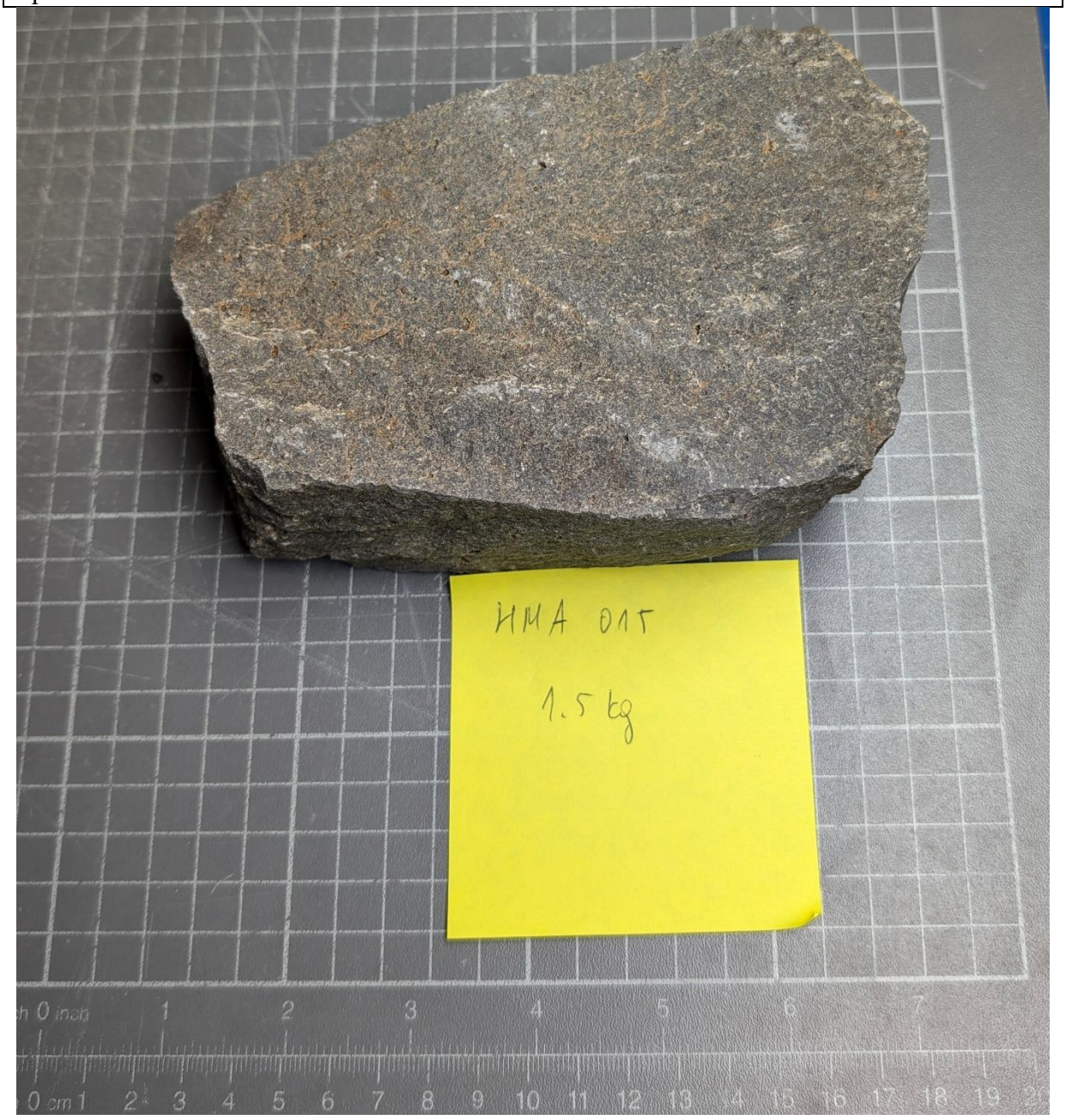


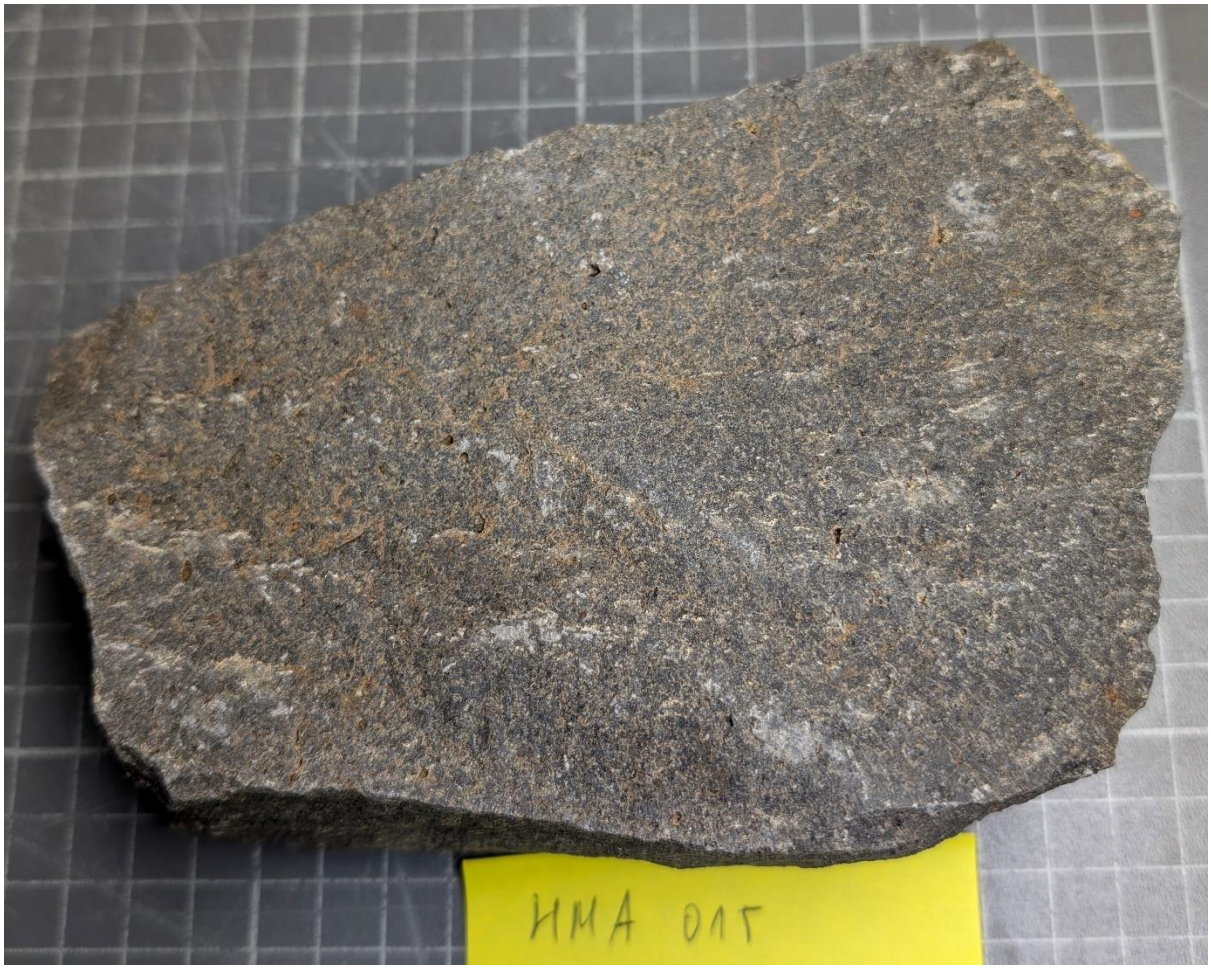

HMA 014
3.5 kg

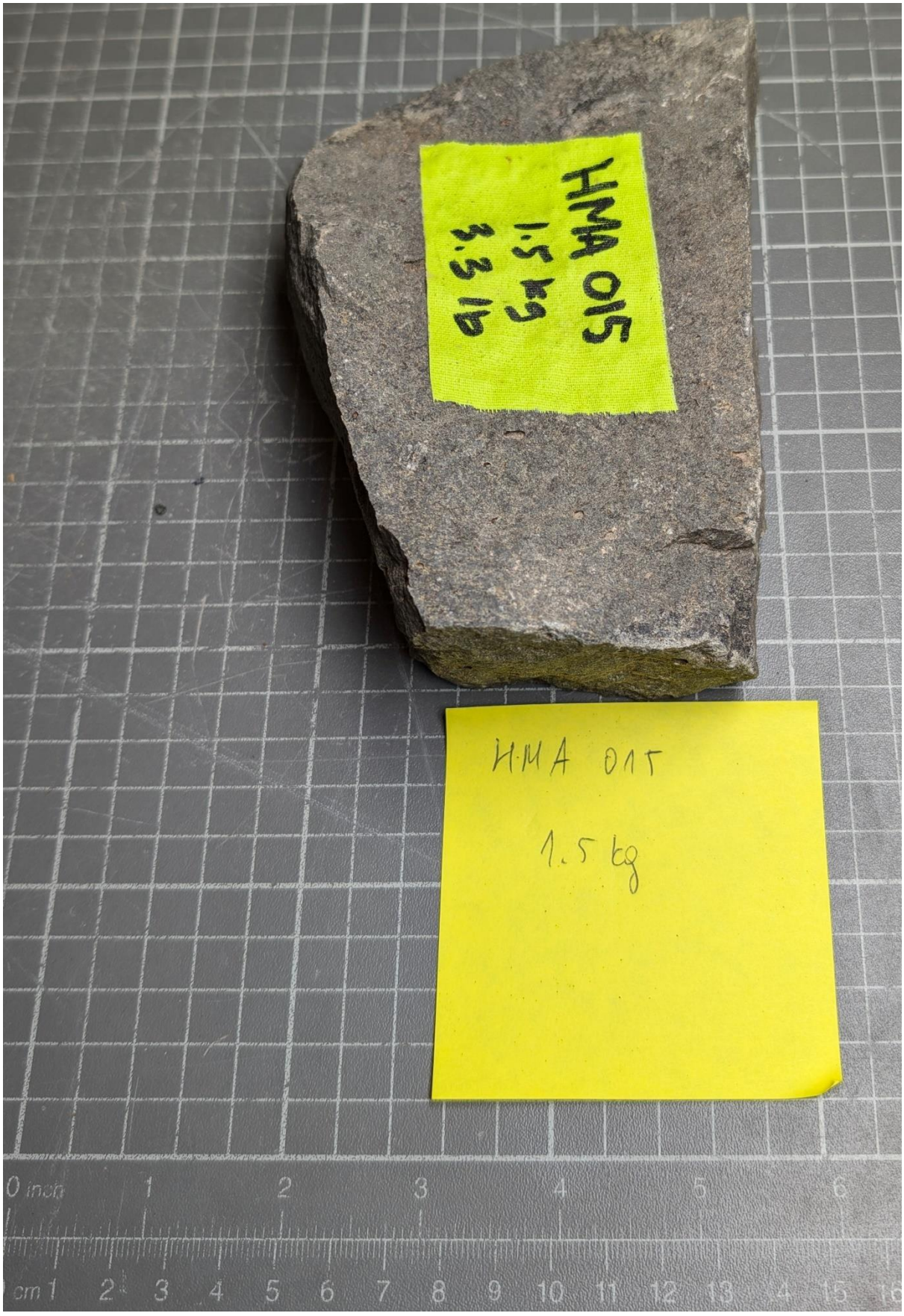

HHA 014

Sample HMA 015

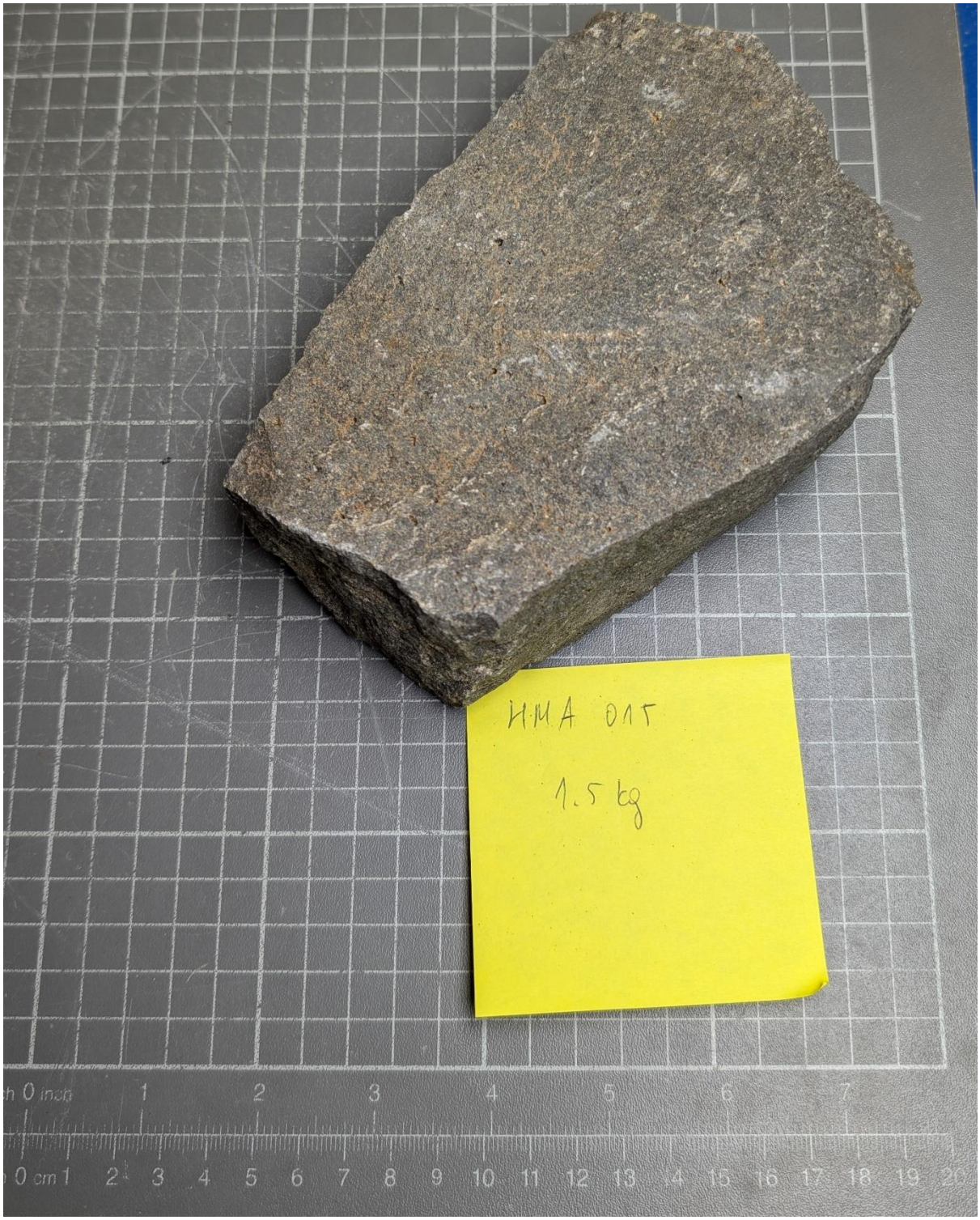
Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 1,5 kg
Special features:




HMA 015

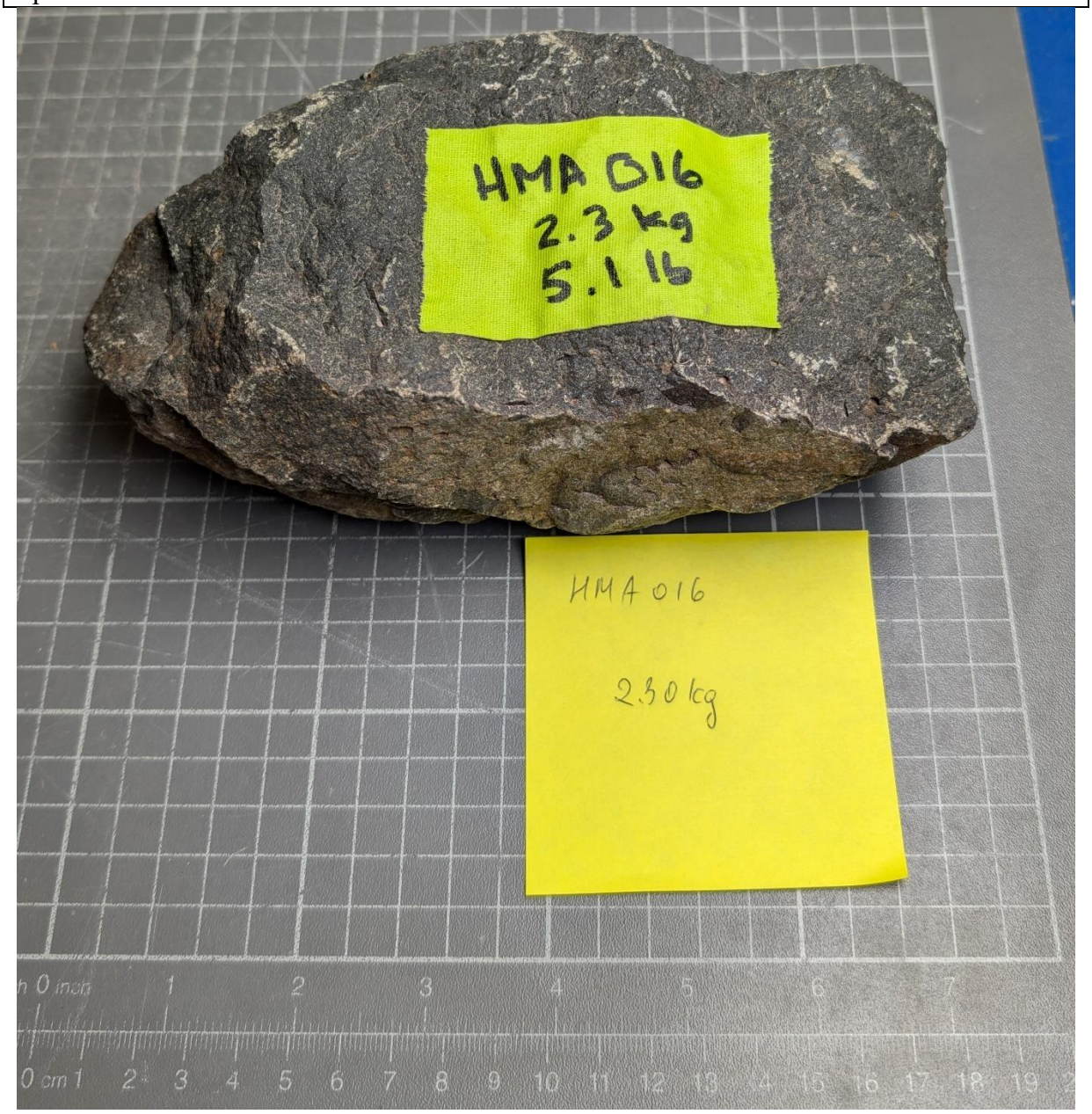

HMA 015
1.5 kg
3.3 lb
HMA 015
1.5 kg

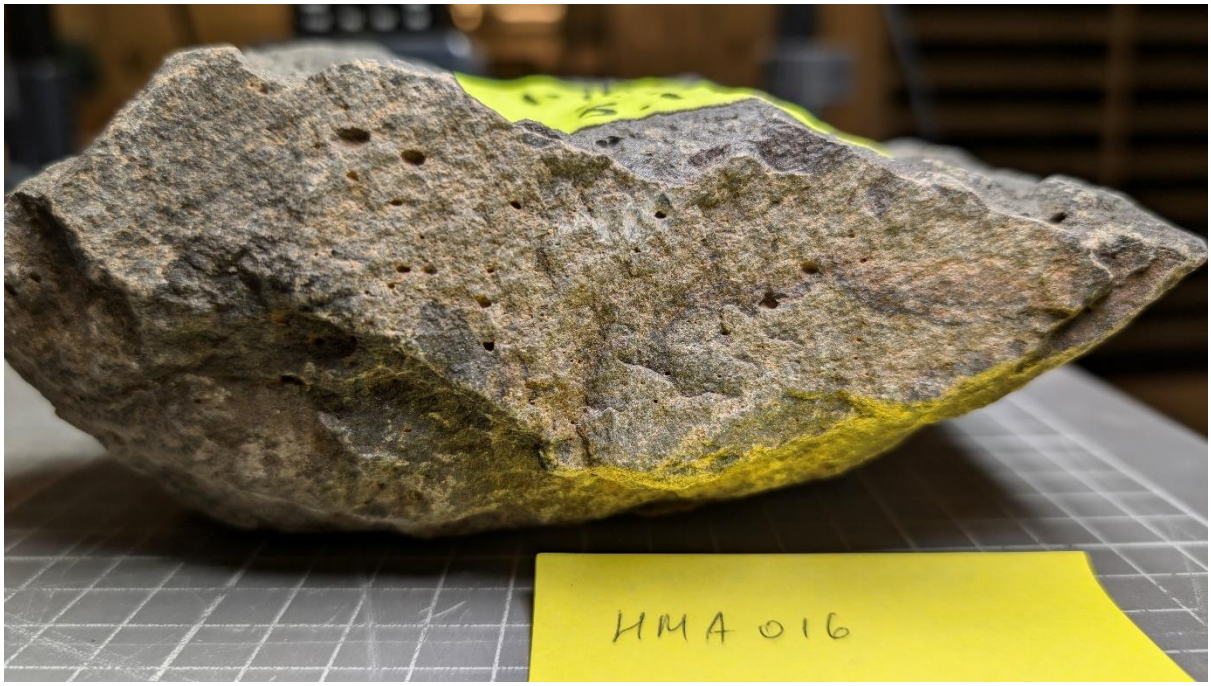

H·M A 015

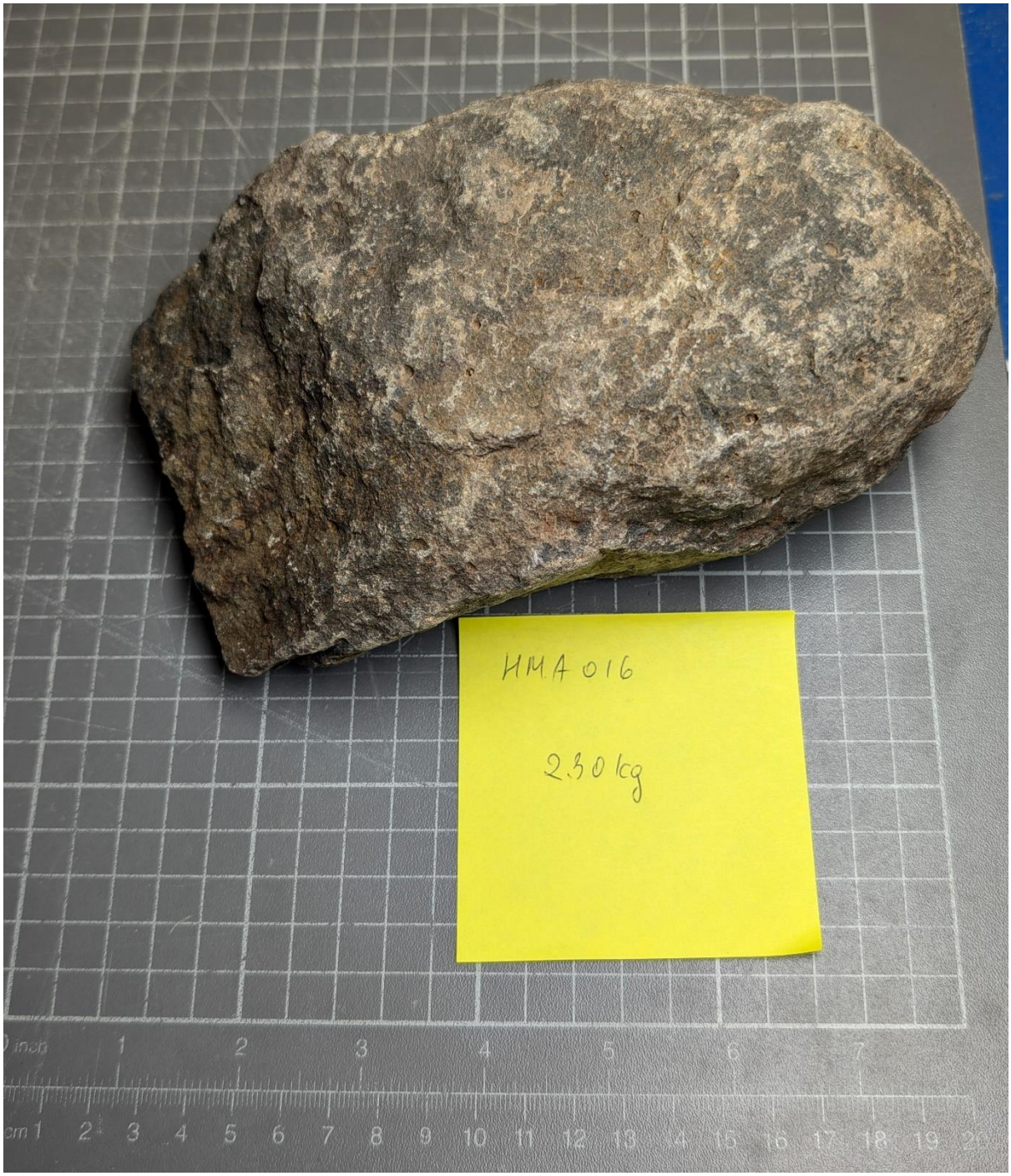

HMA 015
1.5 kg

Sample HMA 016

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 2,3 kg
Special features:

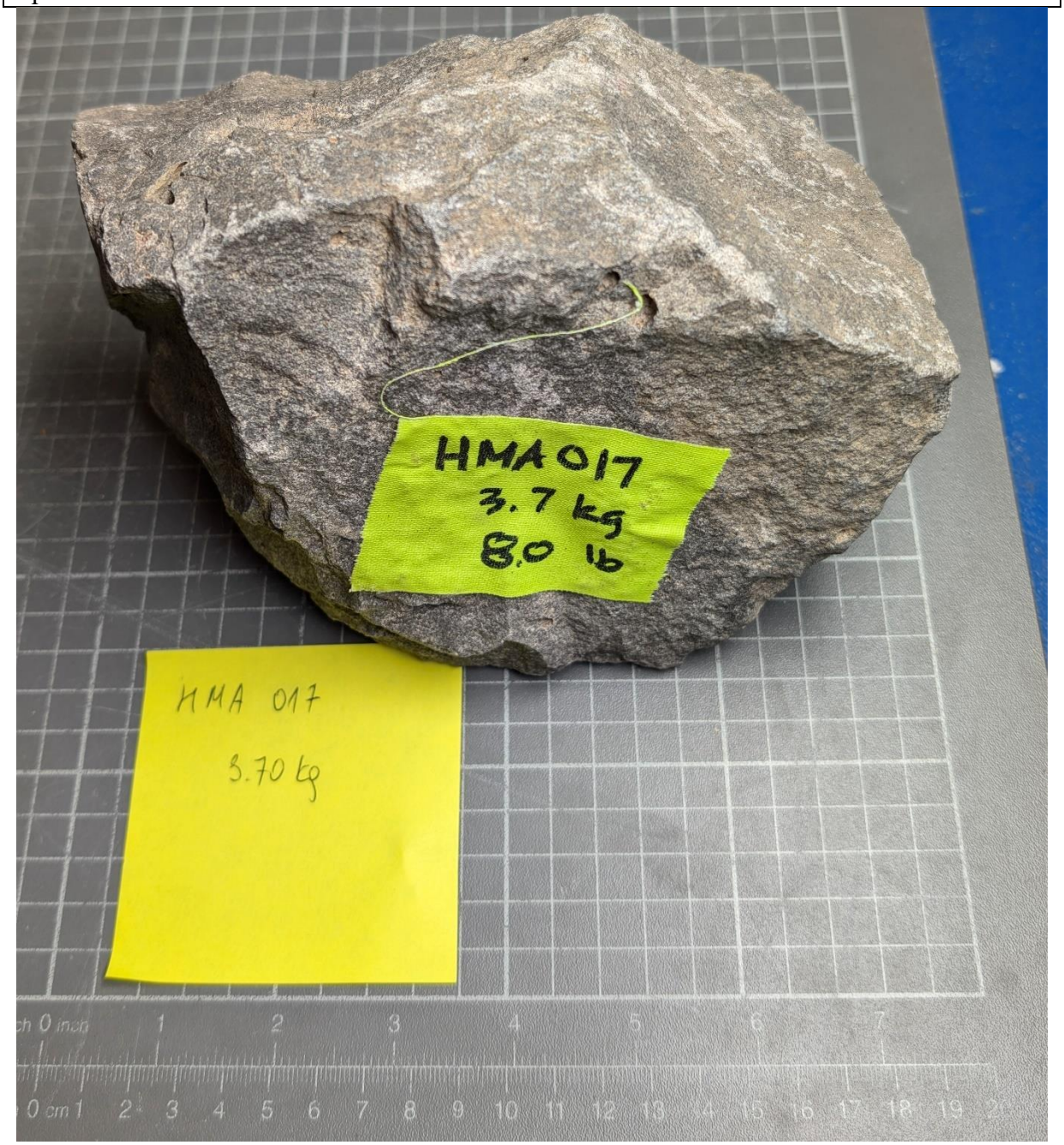


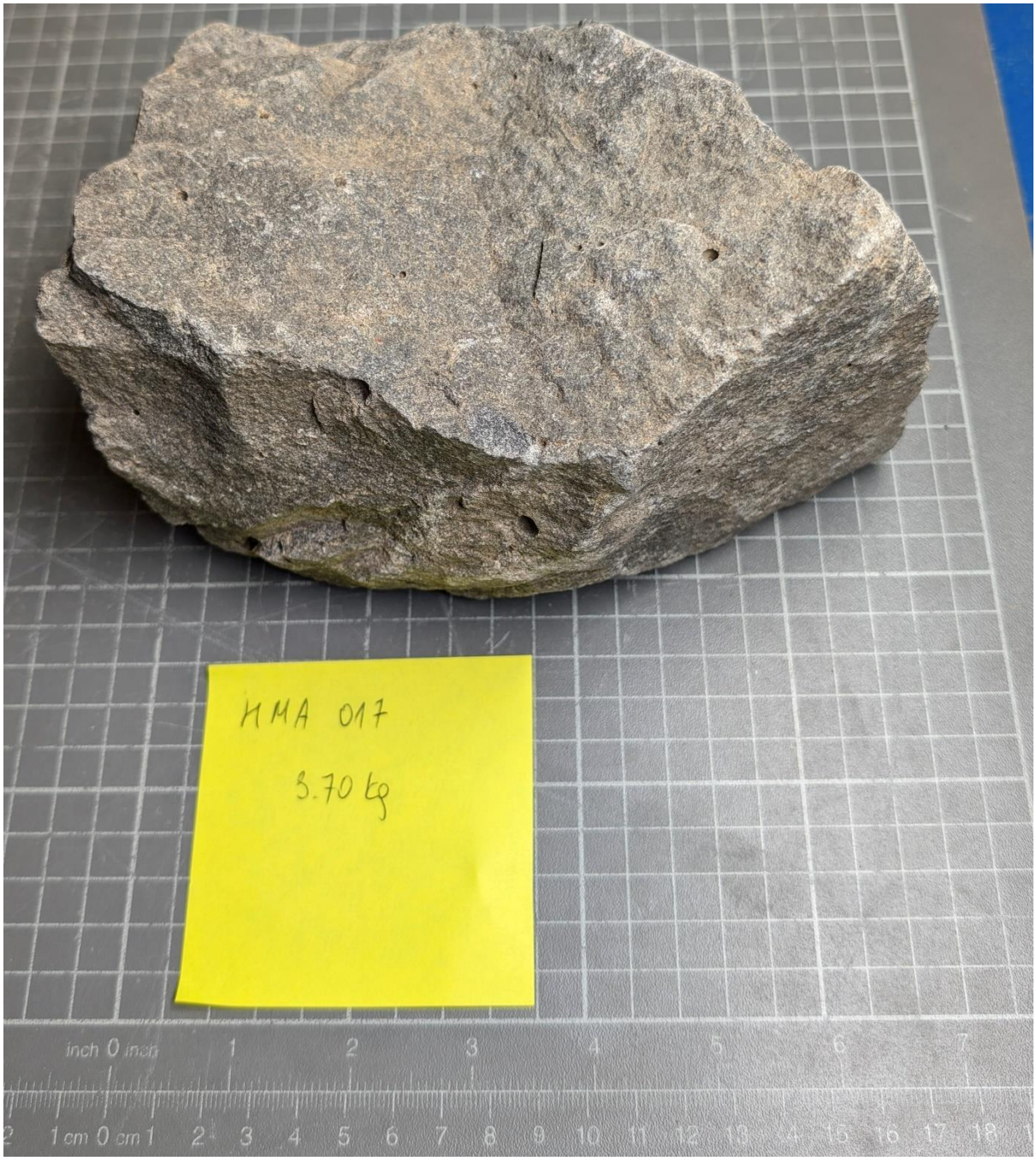

HMA 016

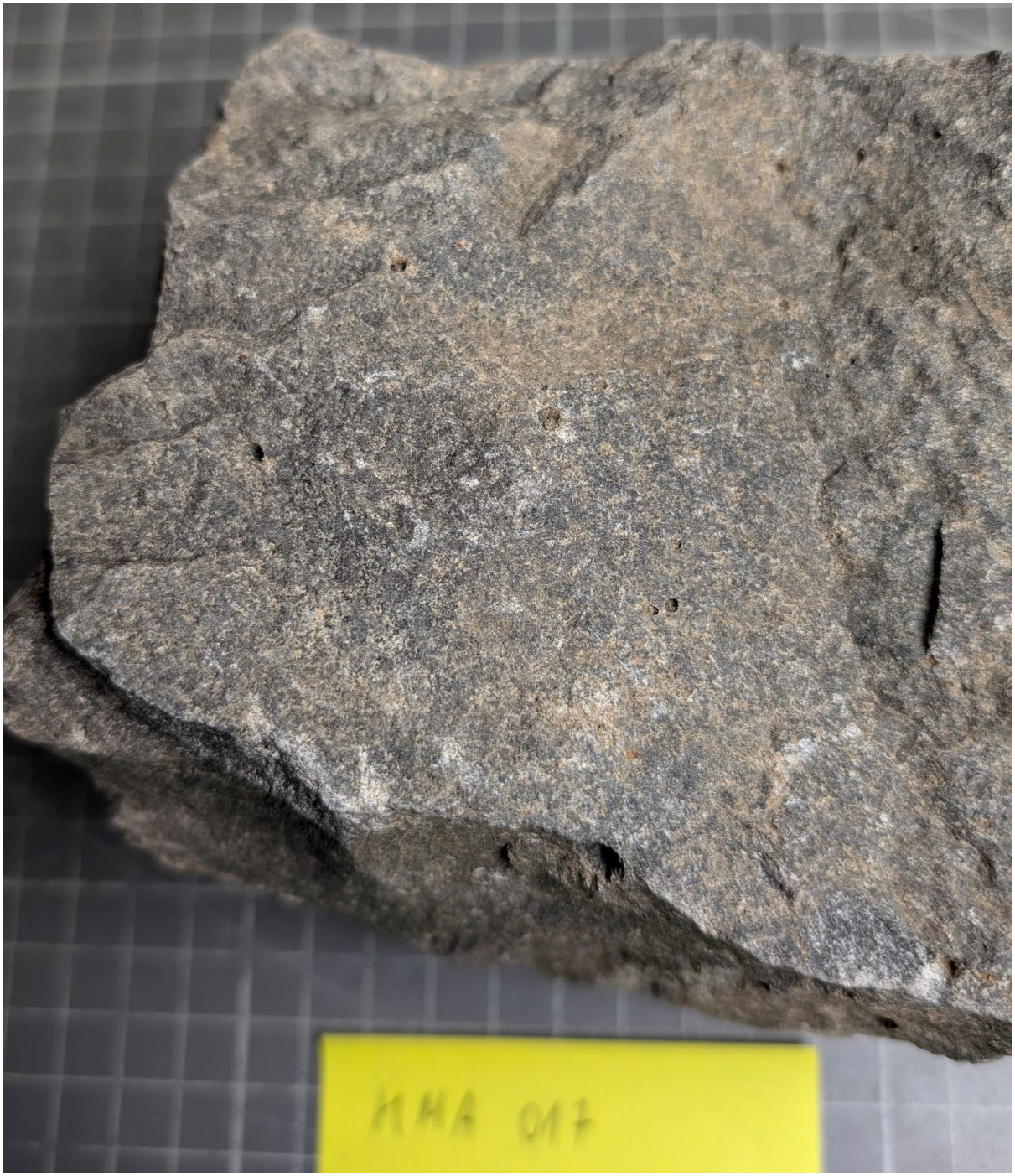

HMA 016
2.30 kg

Sample HMA 017

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 3,7 kg
Special features:



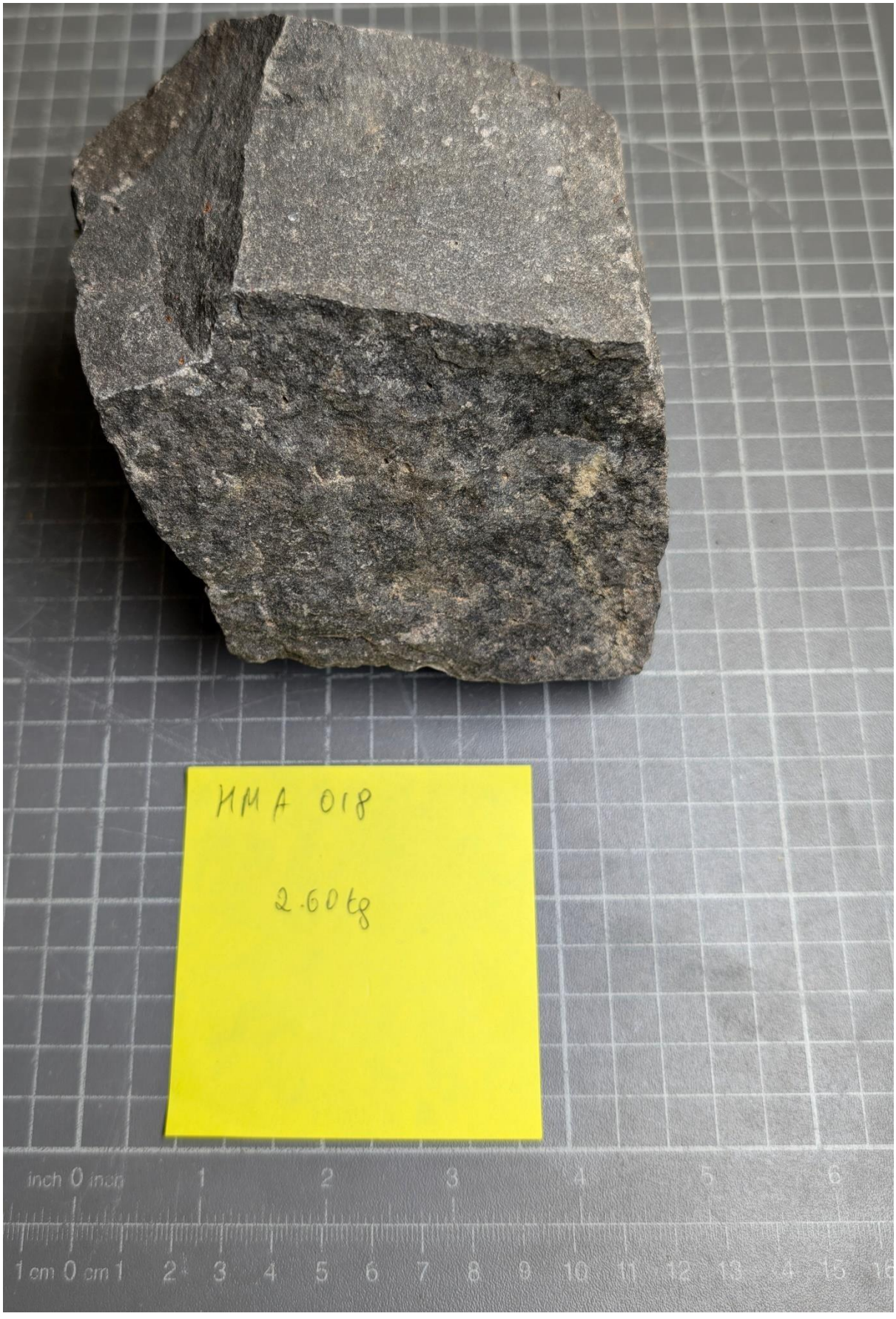

HMA 017
3.70 kg

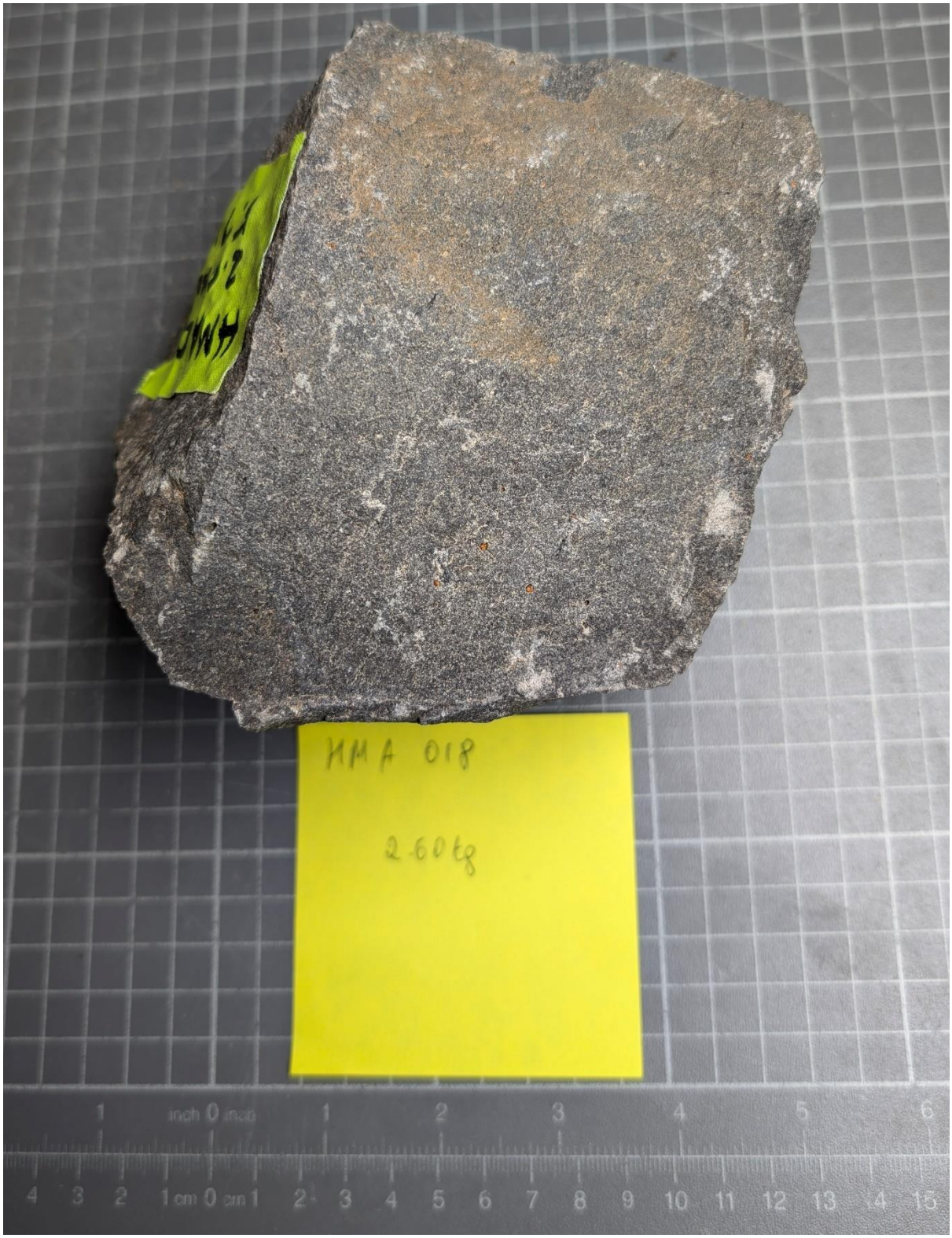

AMA 017

Sample HMA 018

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 2,6 kg
Special features:



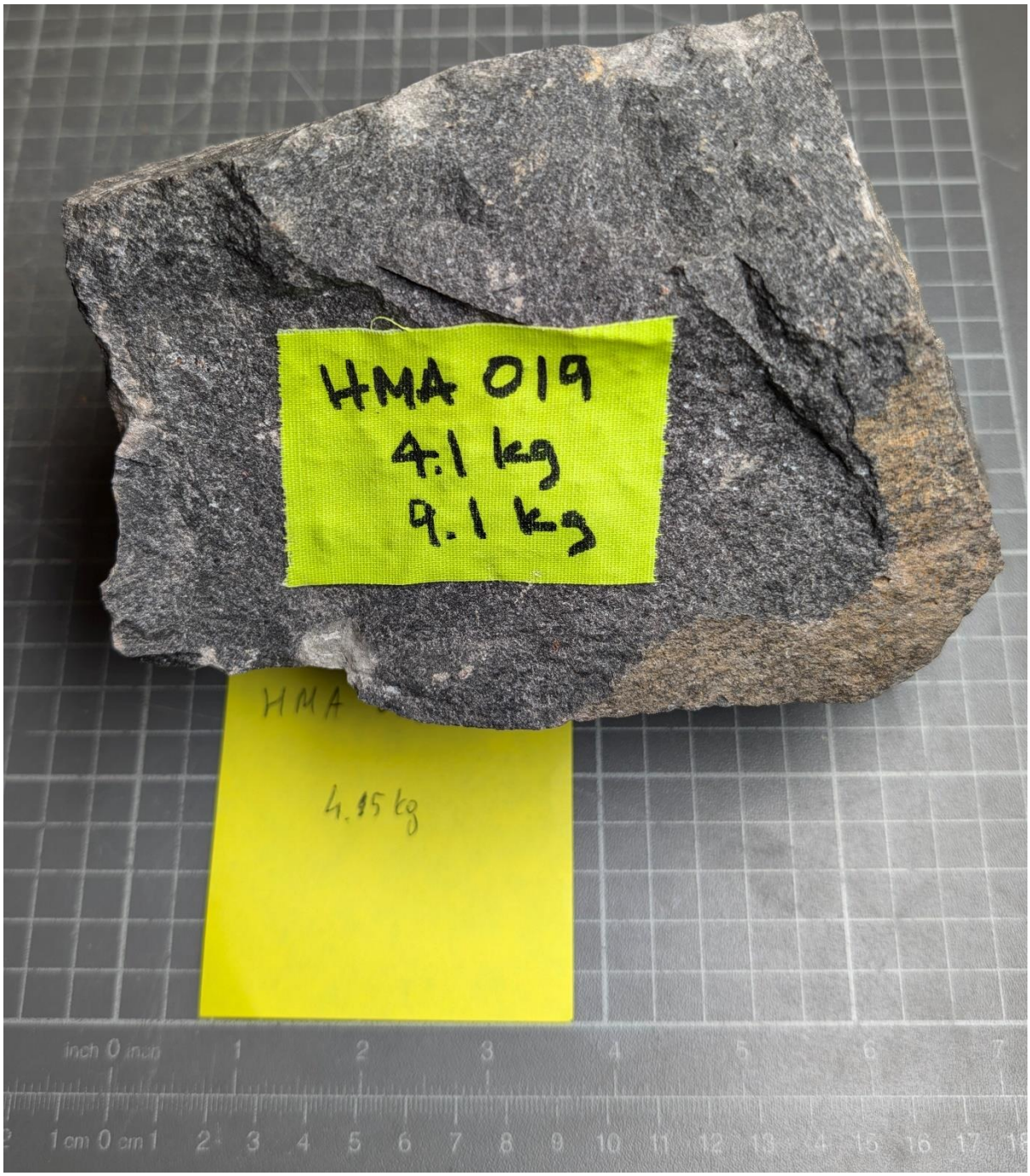

HMA 018
2.60 kg
inch 0 inch 1 2 3 4 5 6
1 cm 0 cm 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

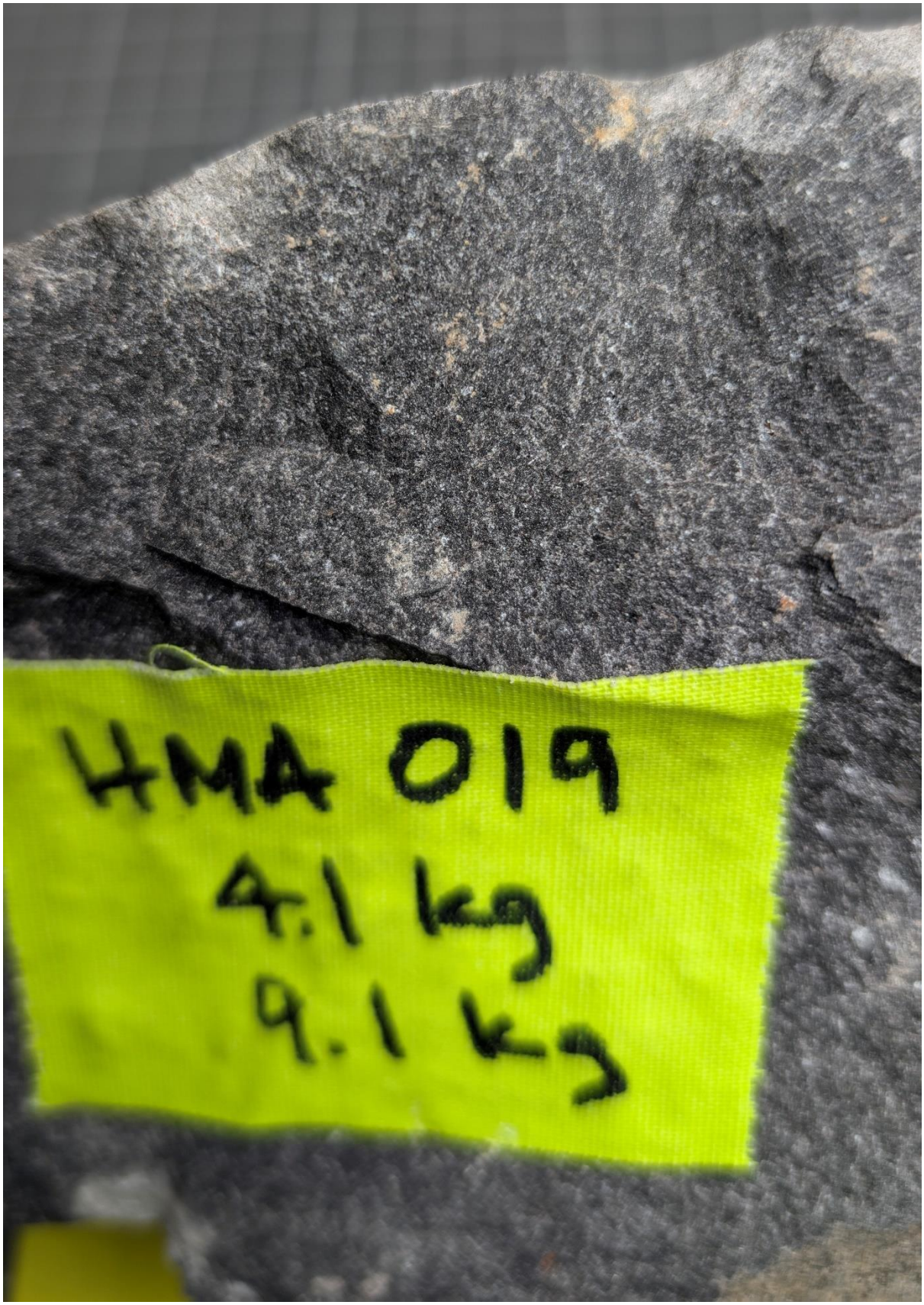

HMA 018
2.60 g

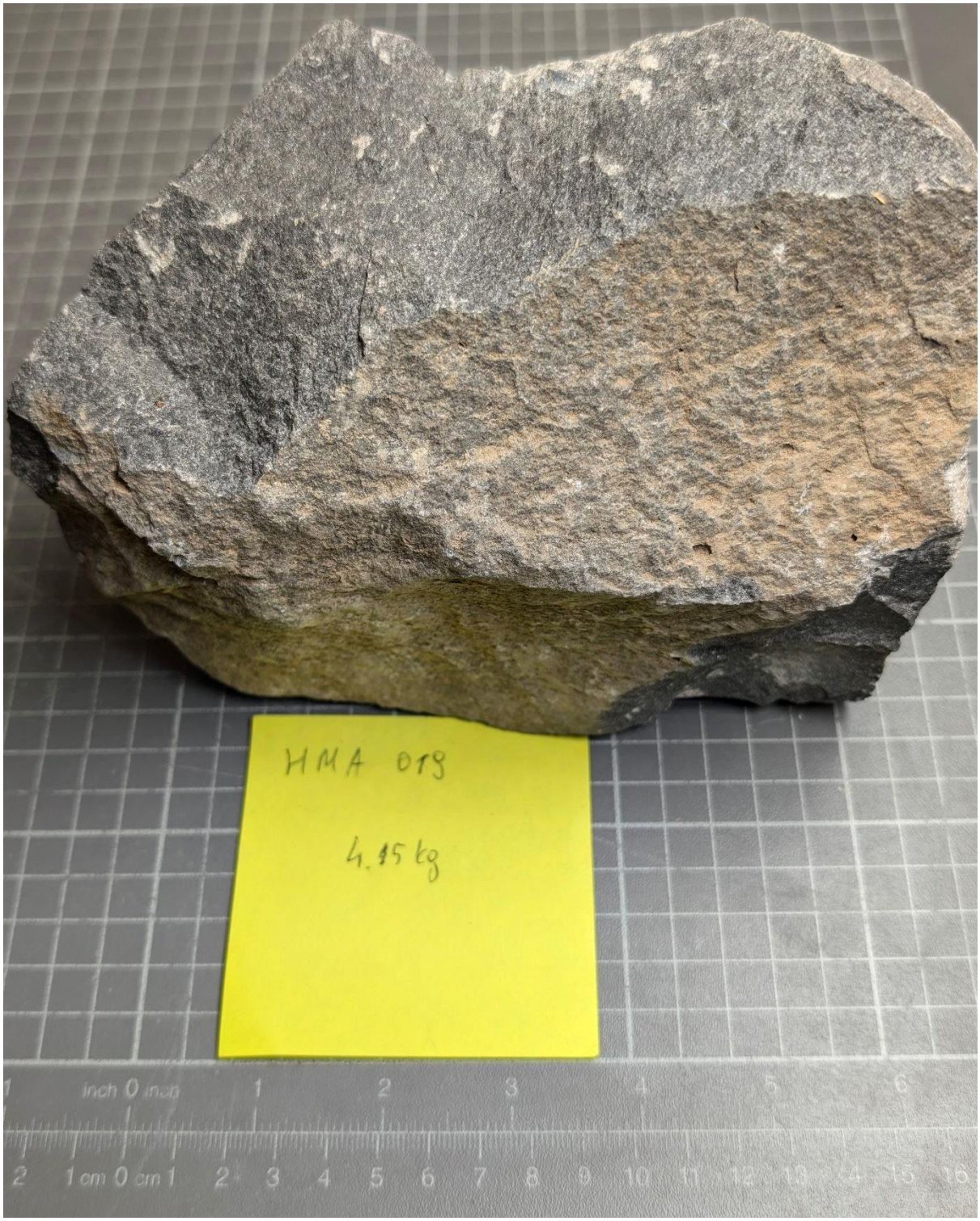


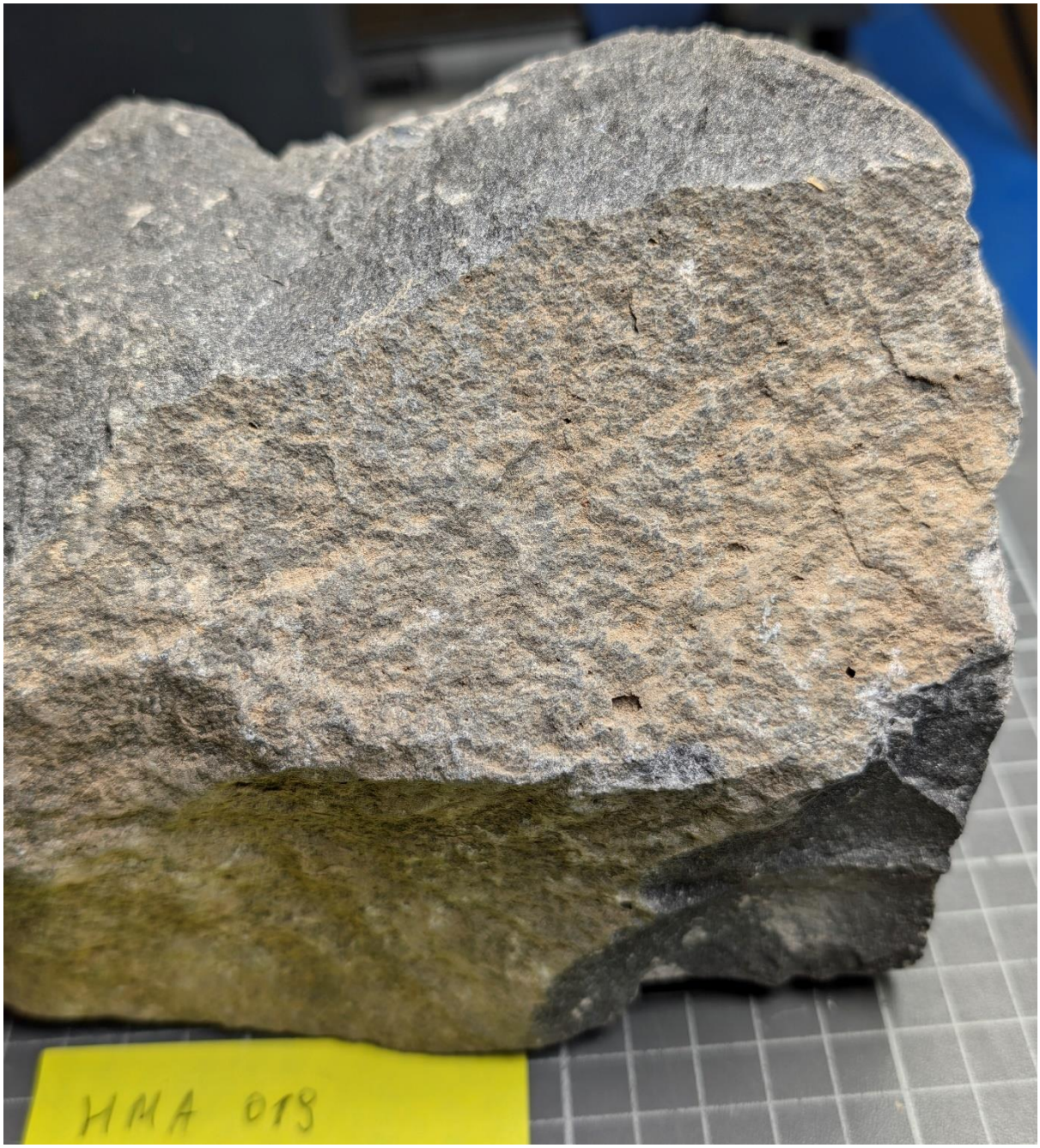
Sample HMA 019

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 4,15 kg
Special features:



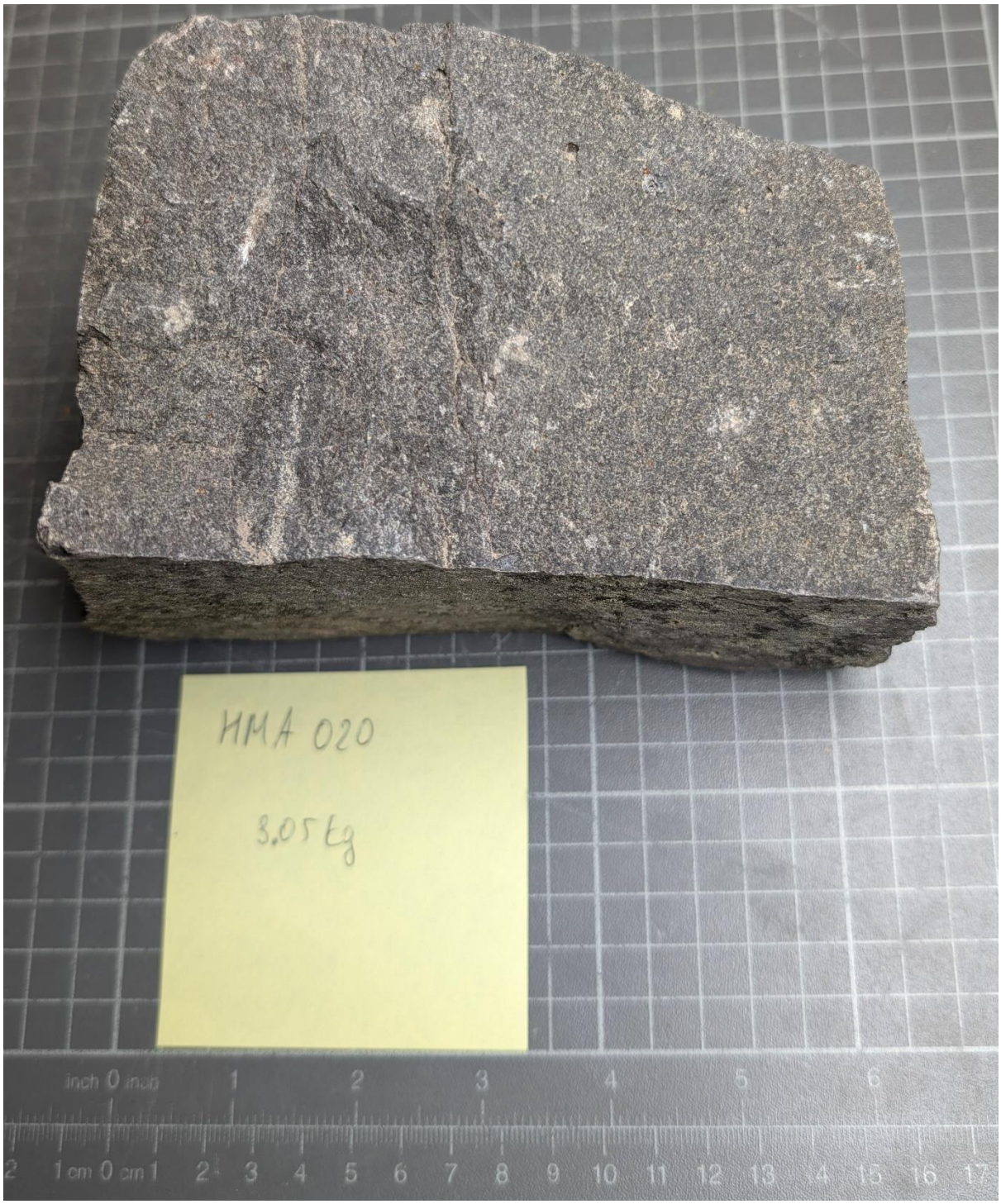

HMA 019
4.1 kg
9.1 kg

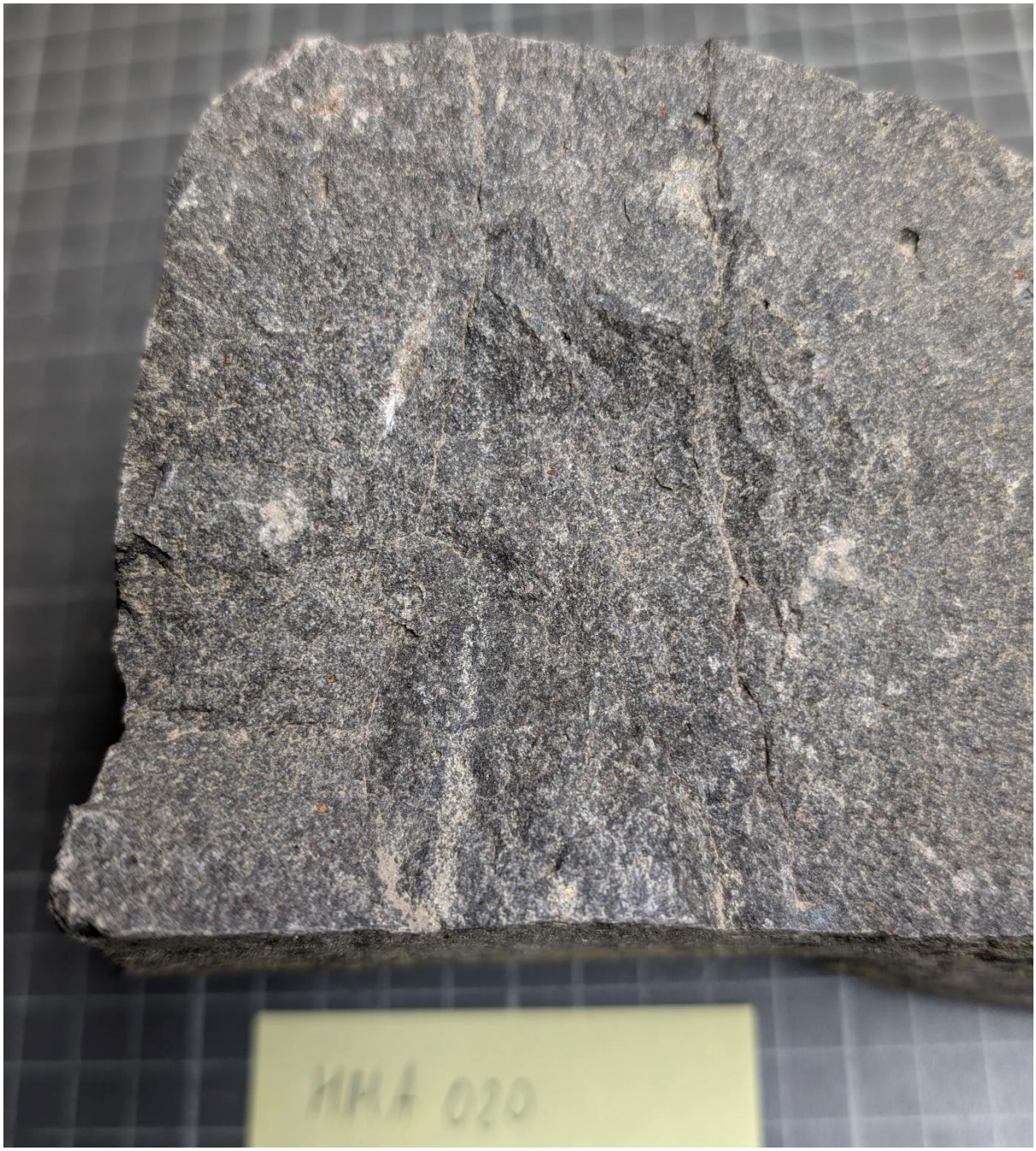

HMA 019
4.15 kg

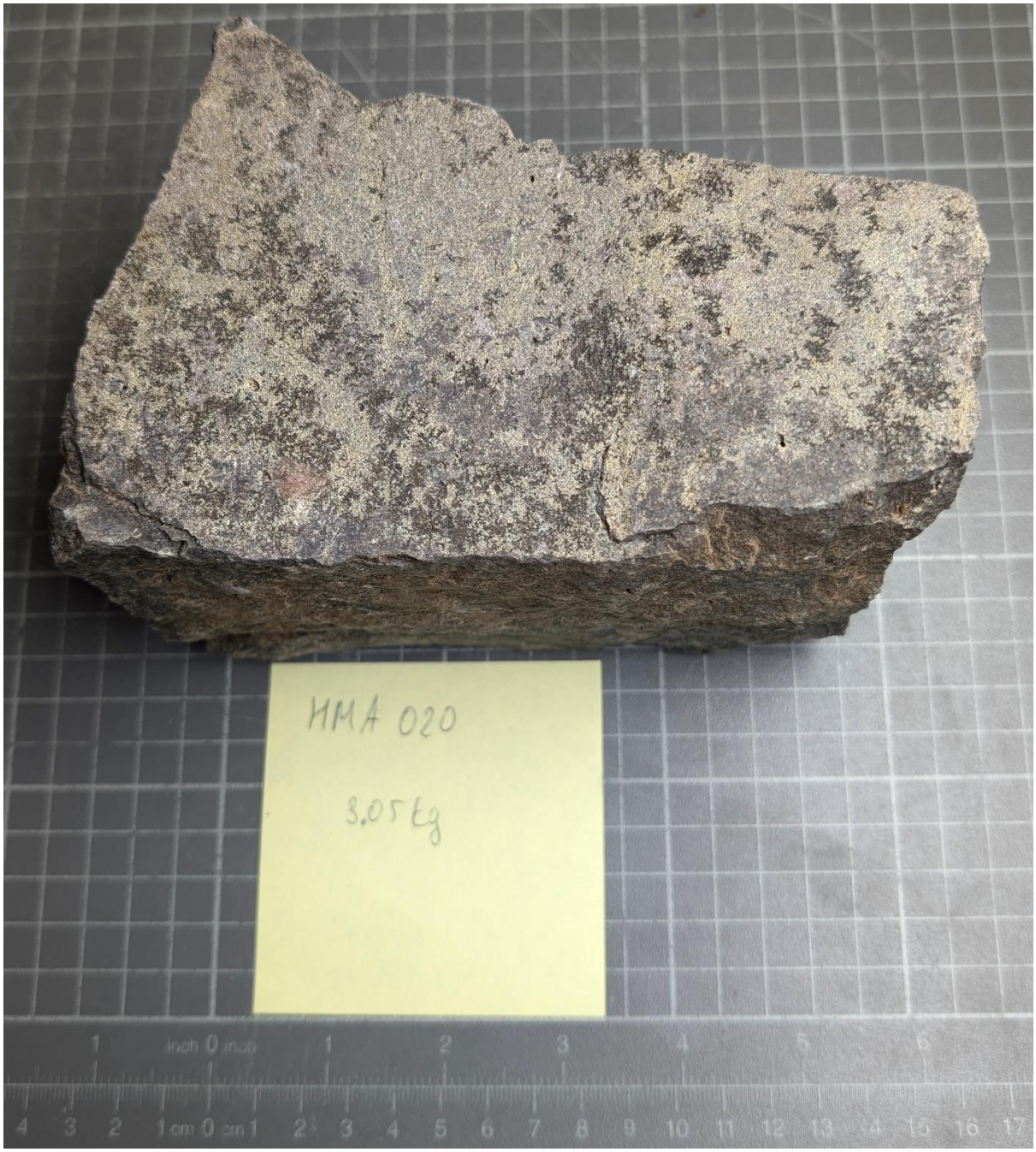

HMA 018

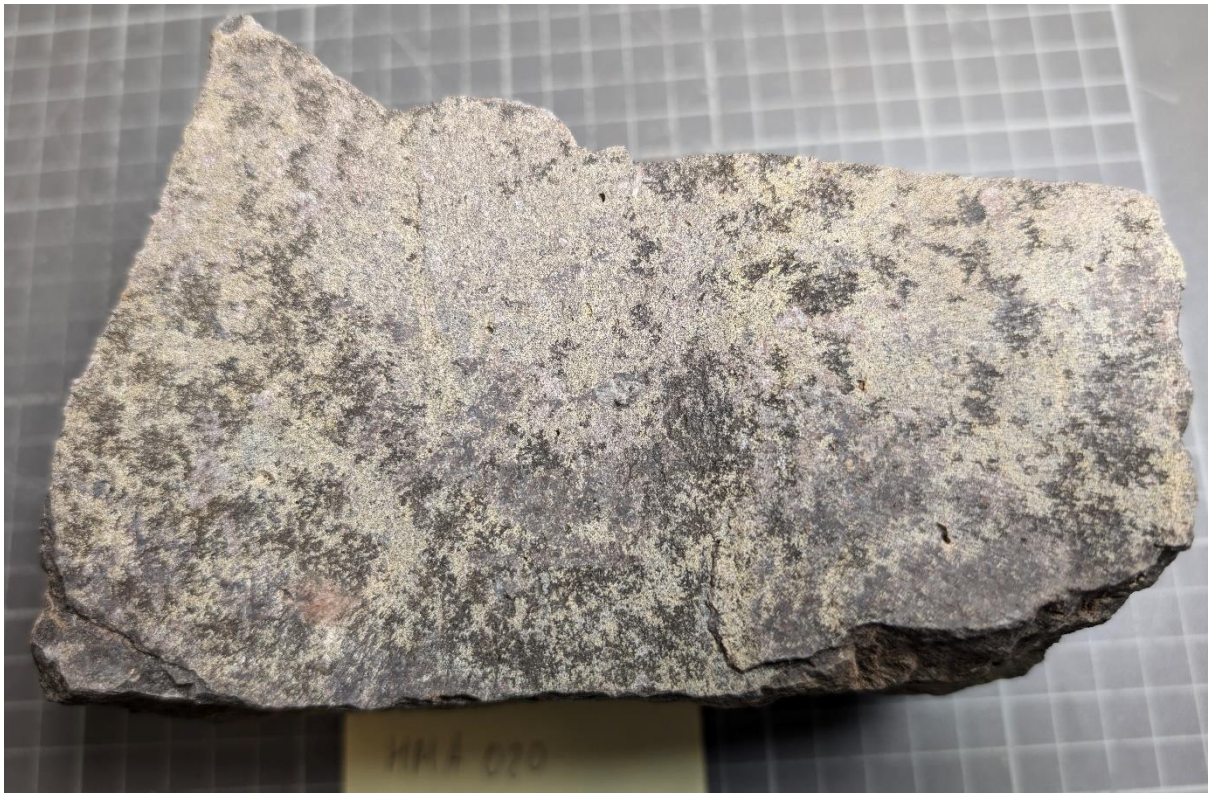
Sample HMA 020

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 3,05 kg
Special features:



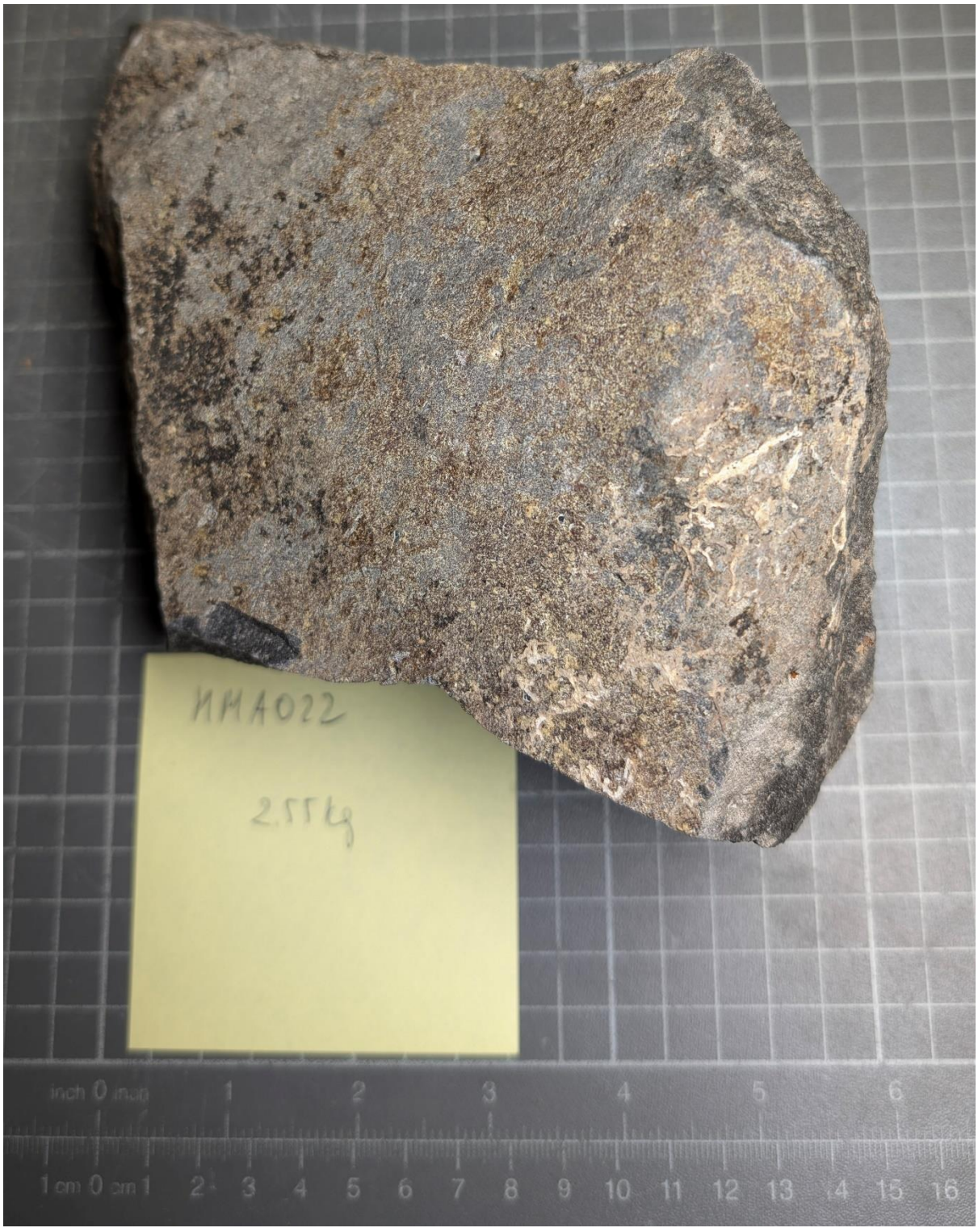

MMA 020

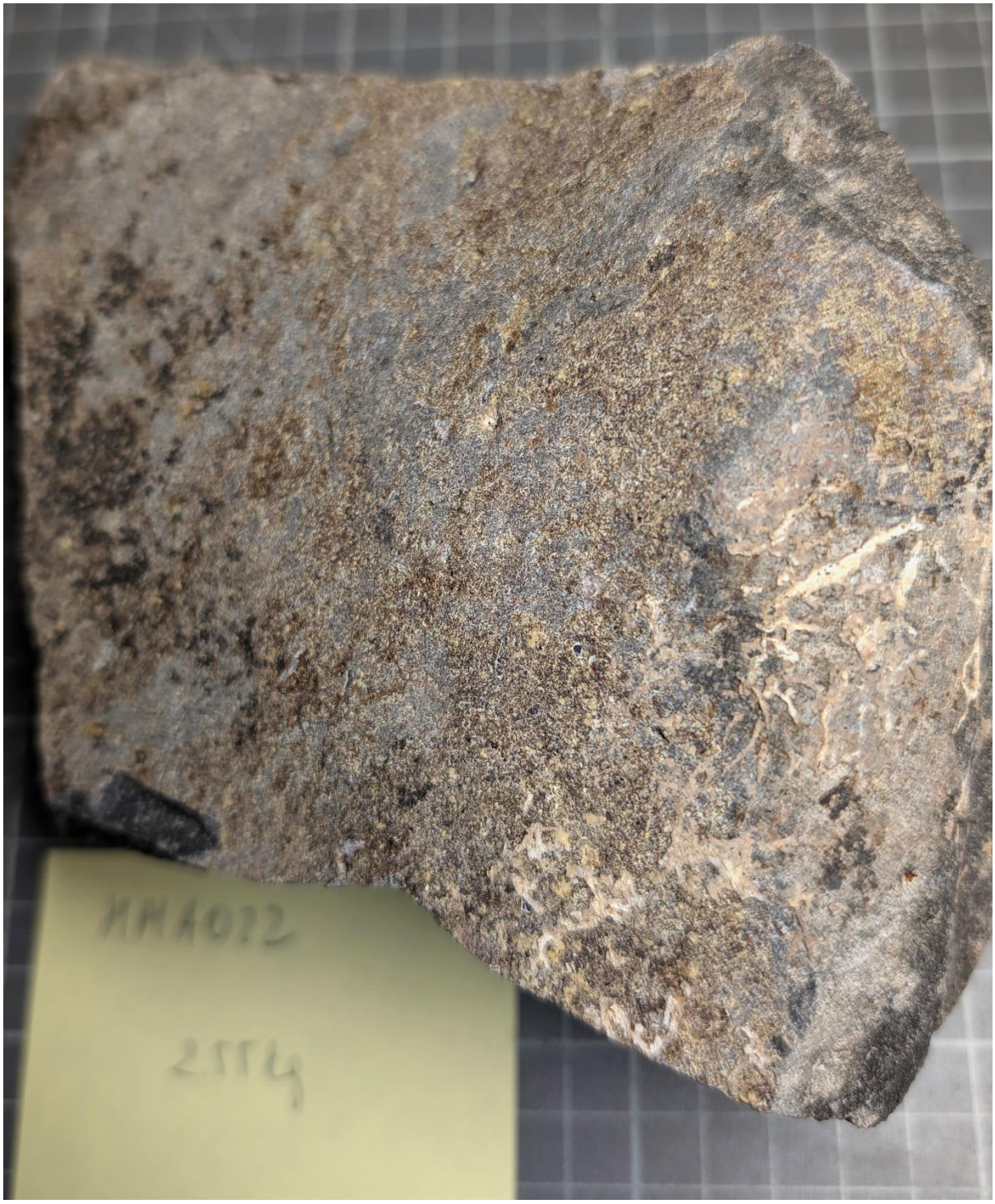

HMA 020
3.05 kg

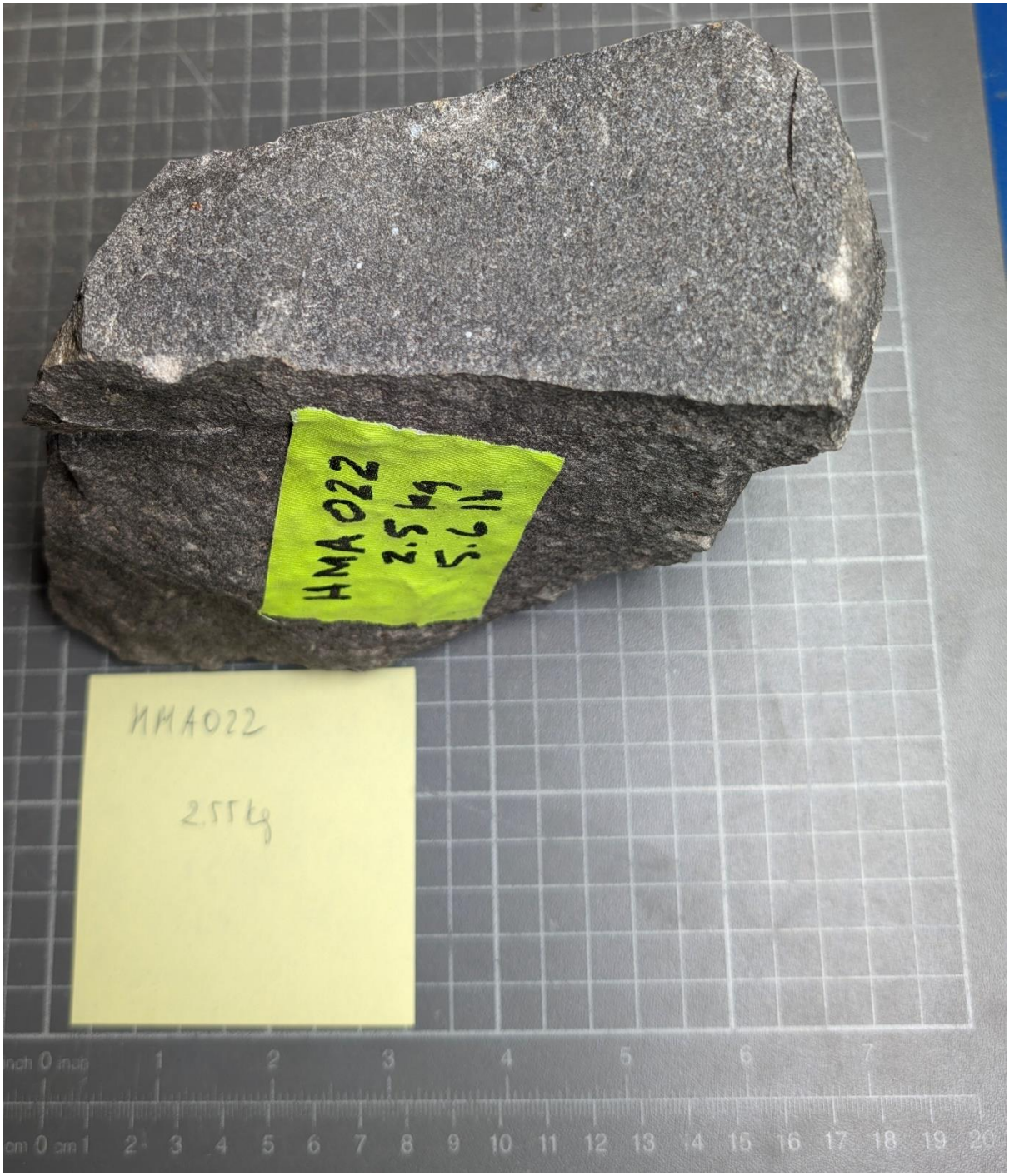


Sample HMA 022

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 2,55 kg
Special features:




MMA012
2554

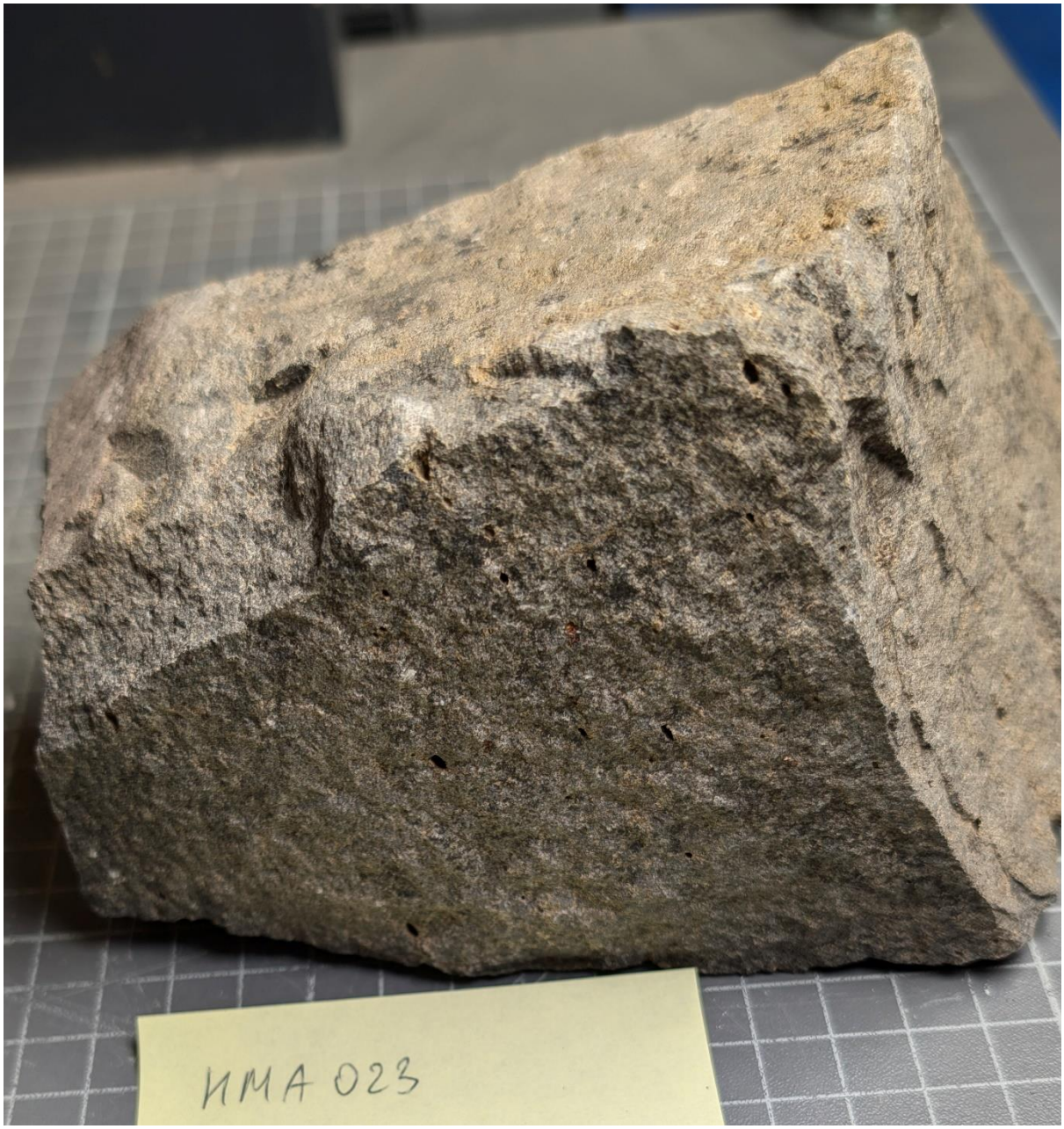

HMA 022
2.5 kg
5.6 lb
HMA022
2.55kg



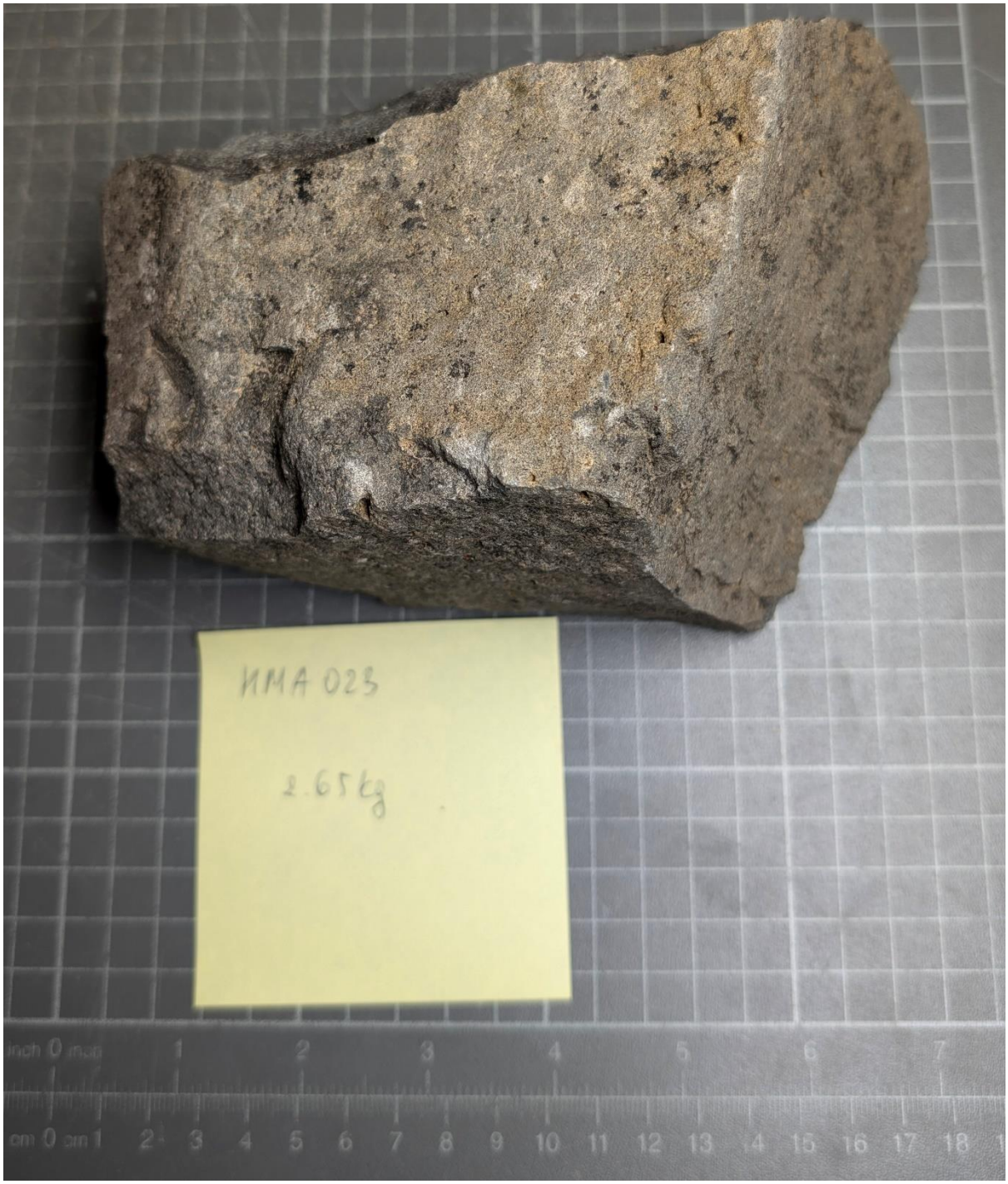
Sample HMA 023

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 2,65 kg
Special features:



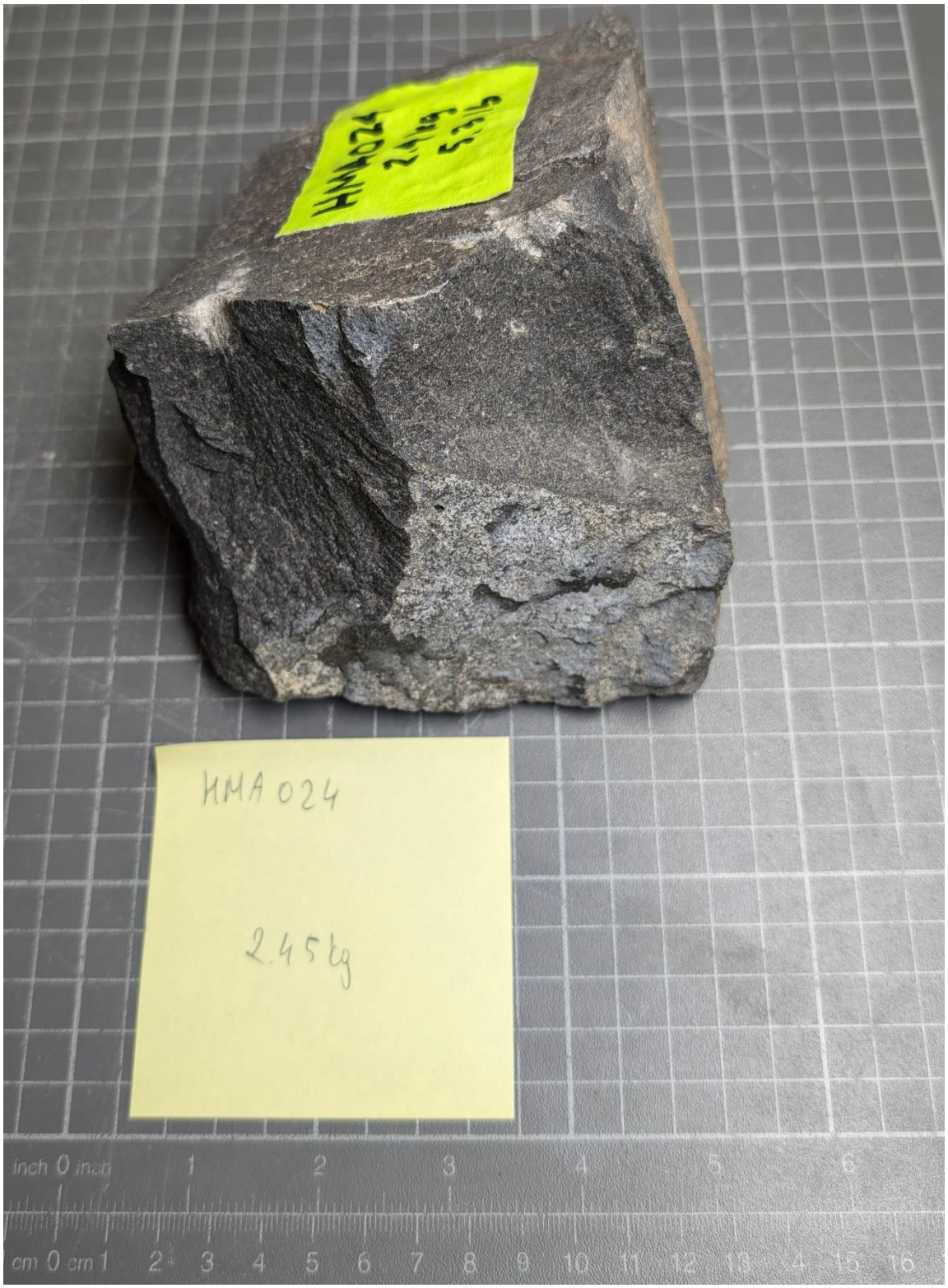

NMA 023

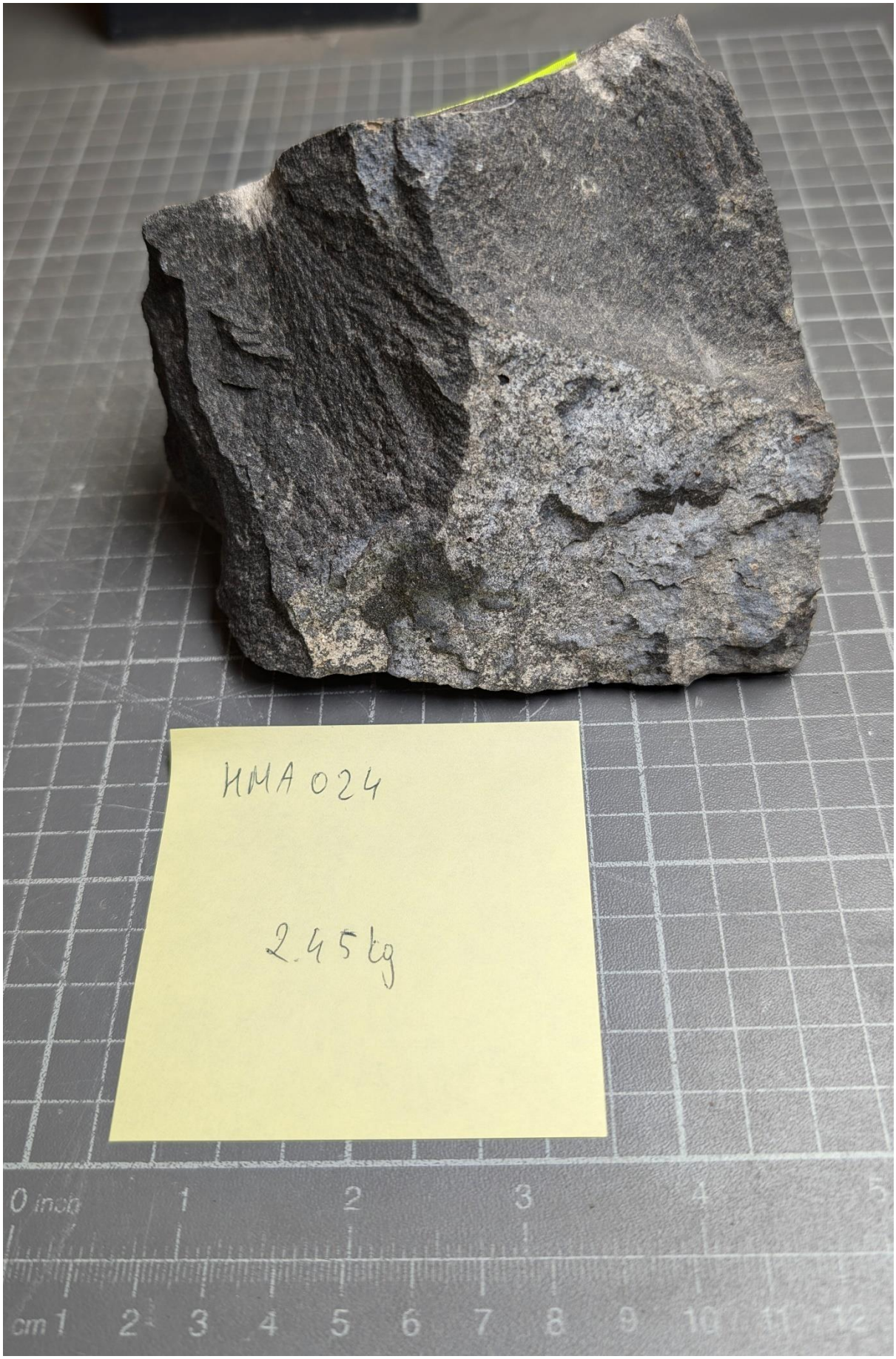


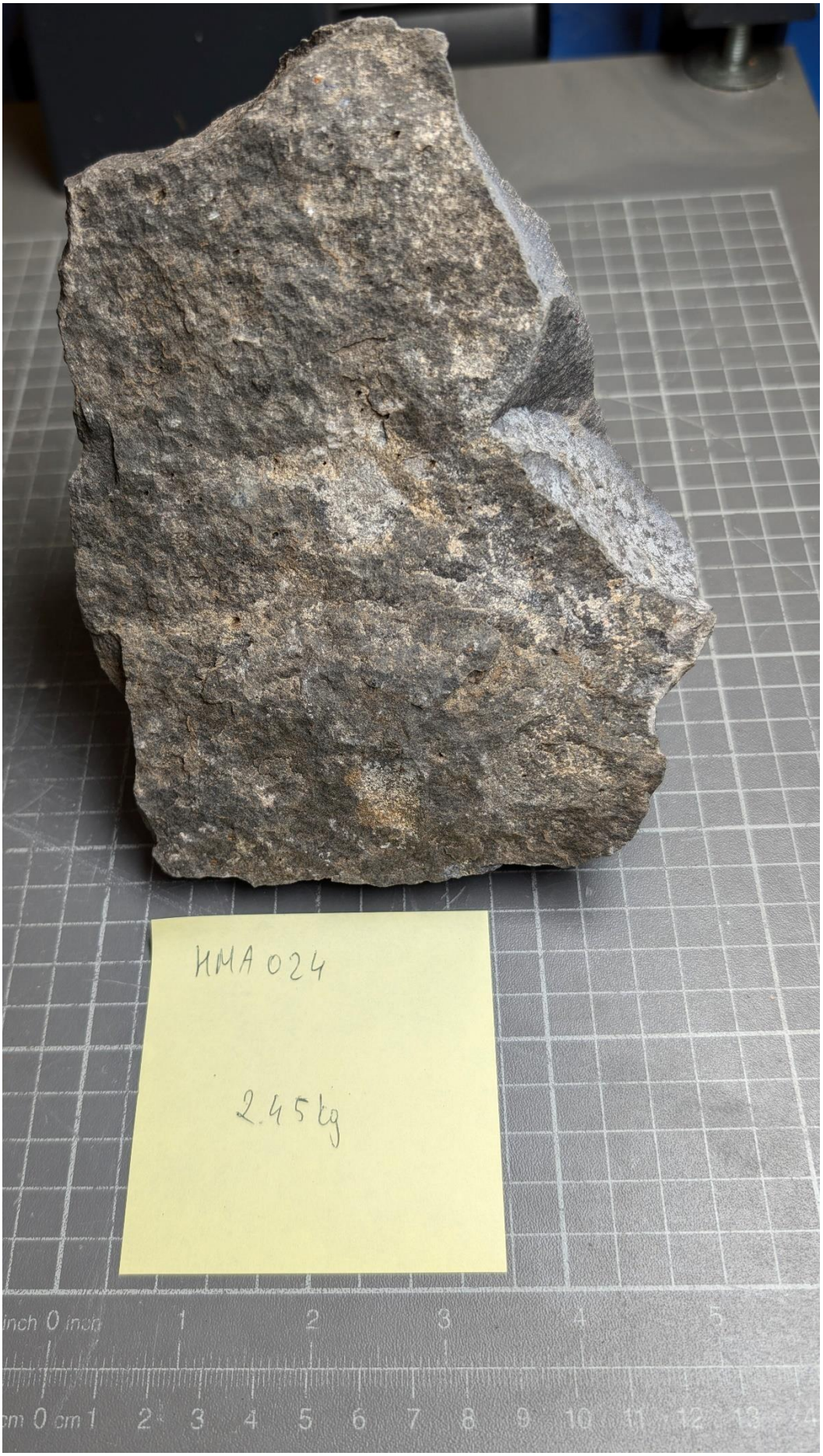

NMA 023
1.65kg

Sample HMA 024

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 2,45 kg
Special features:



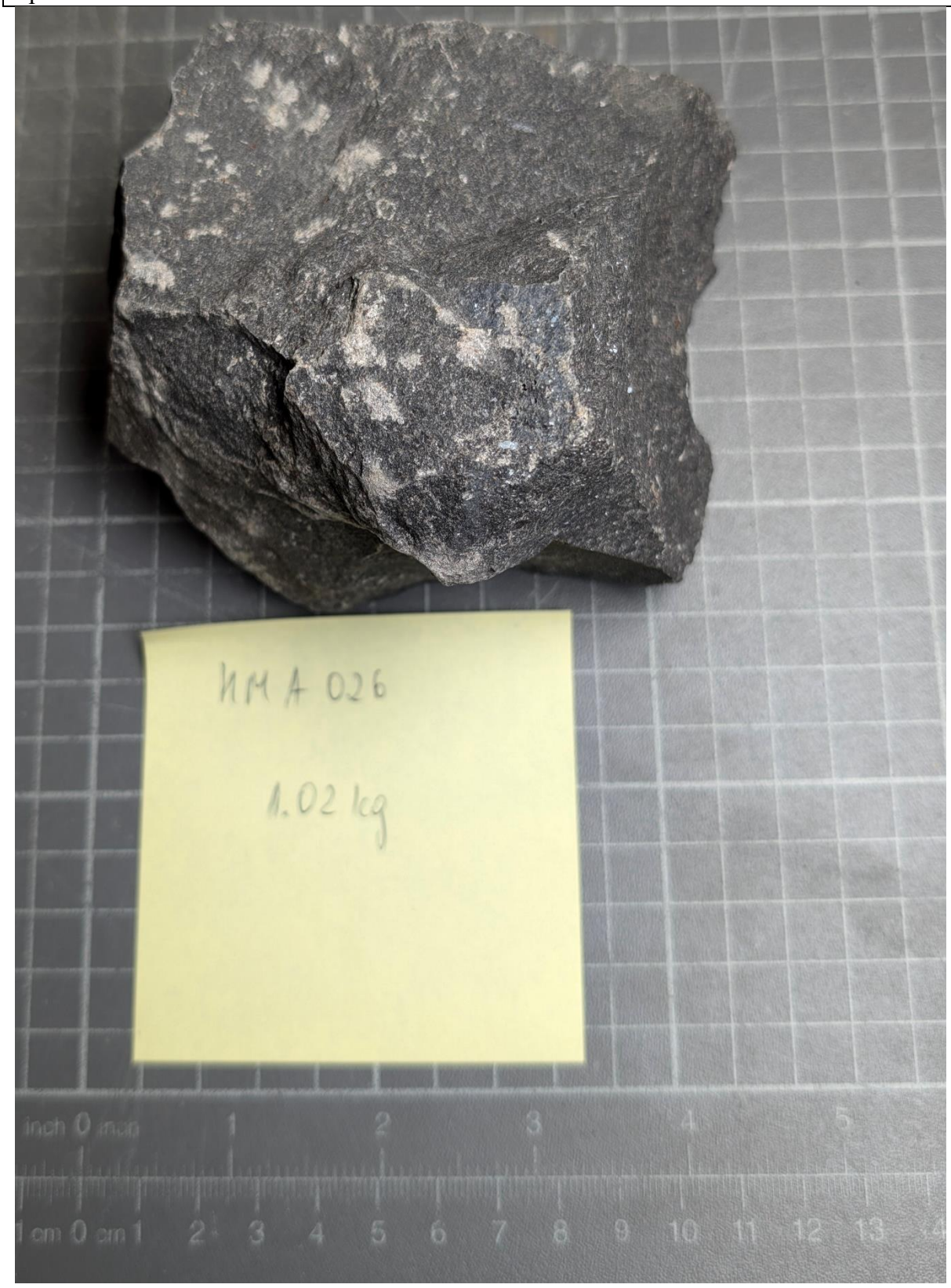

HMA 024
2.45 kg


HMA 024
2.45 kg


HMA 024

Sample HMA 026

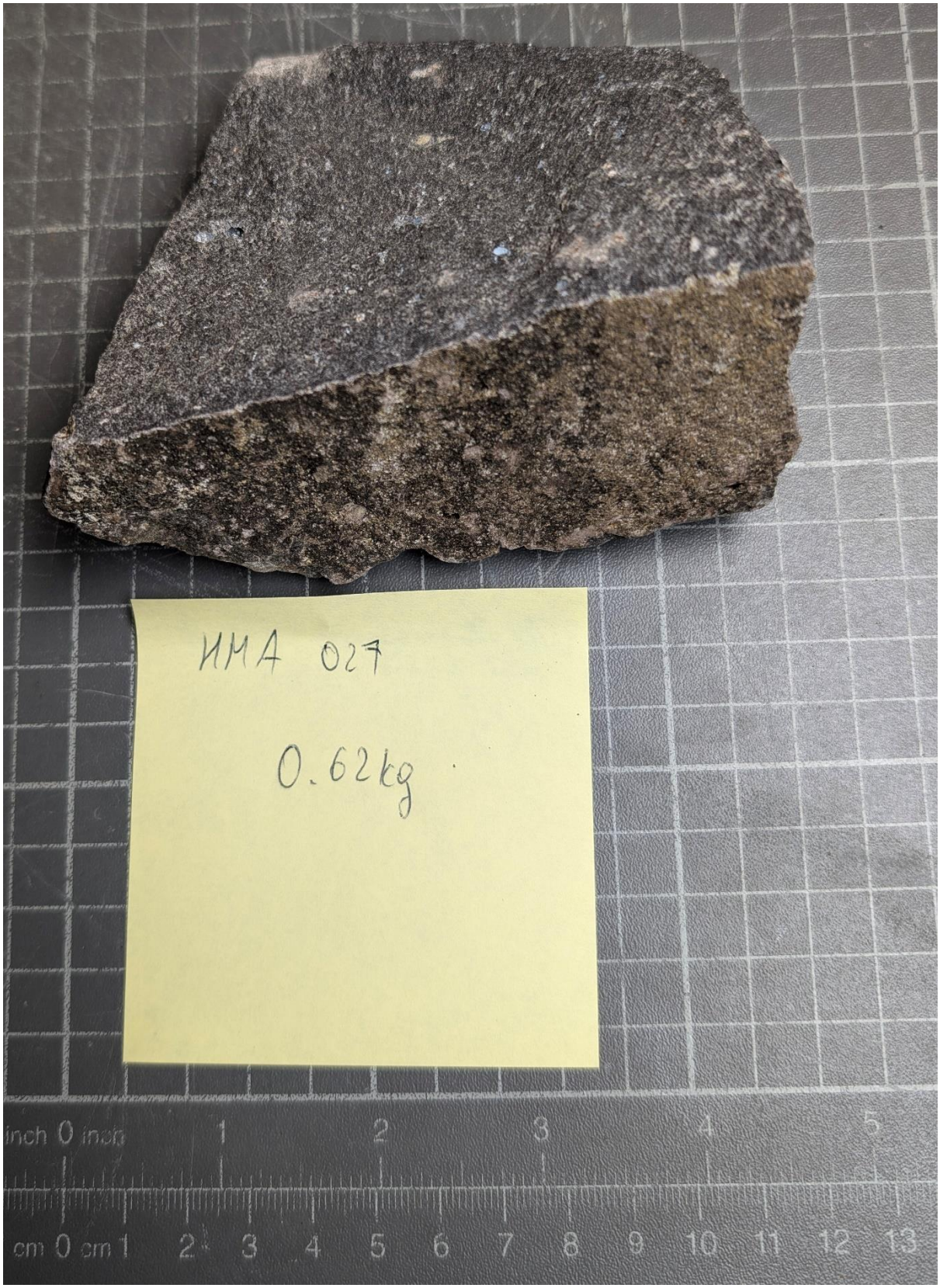
Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 1,02 kg
Special features:



Sample HMA 027

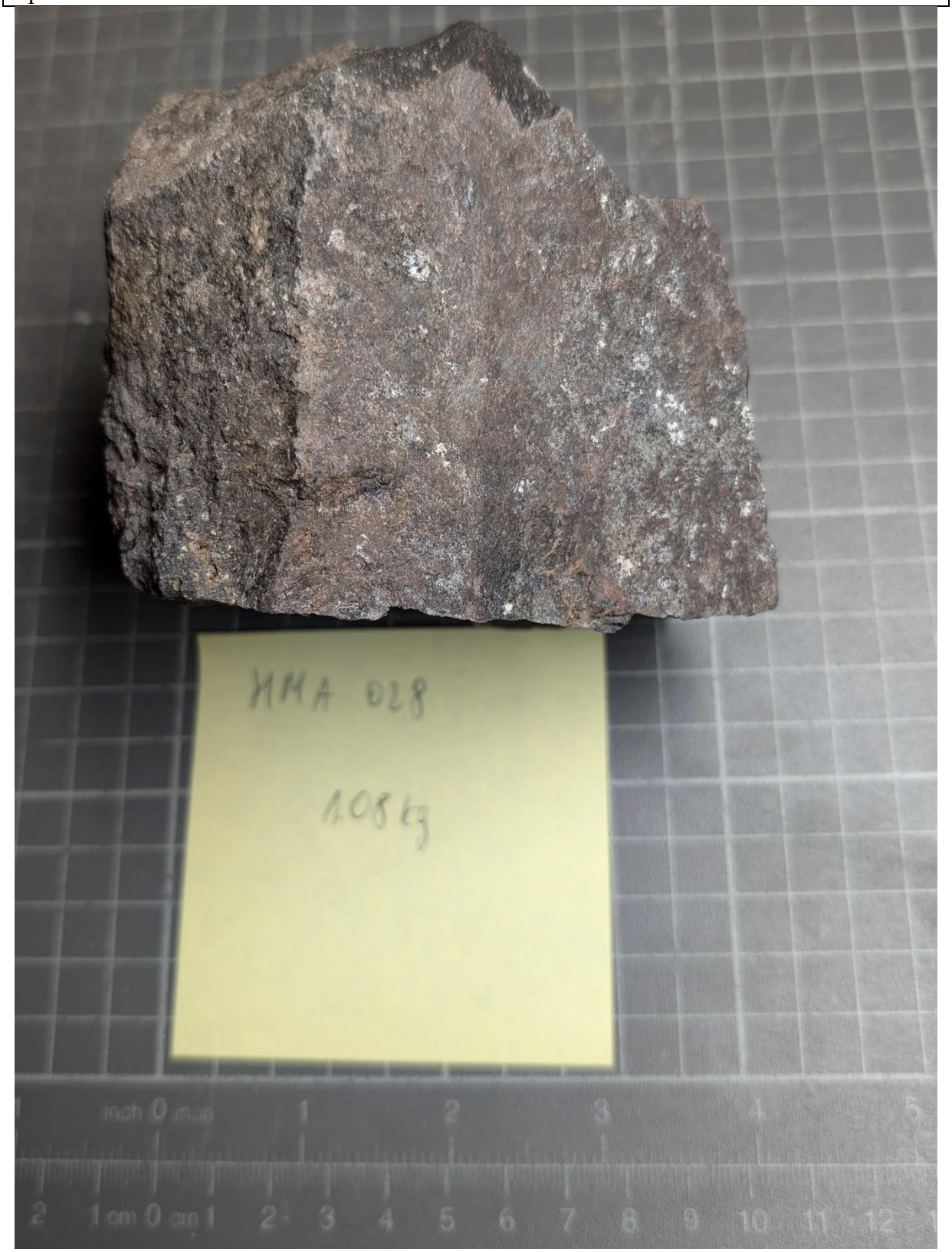
Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 0,62 kg
Special features:

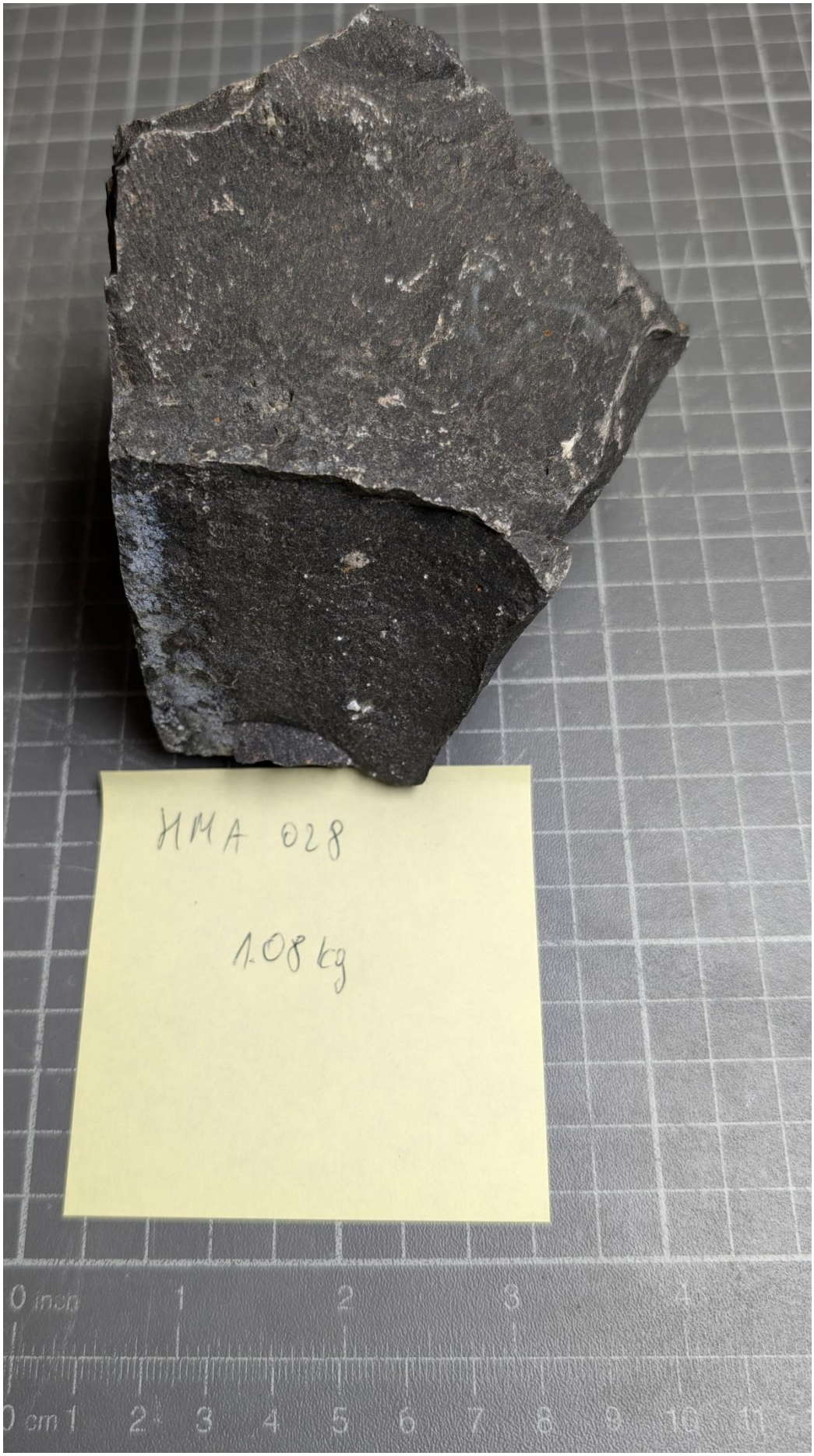



HMA 027
0.62kg
inch 0 inch 1 2 3 4 5
cm 0 cm 1 2 3 4 5 6 7 8 9 10 11 12 13

Sample HMA 028

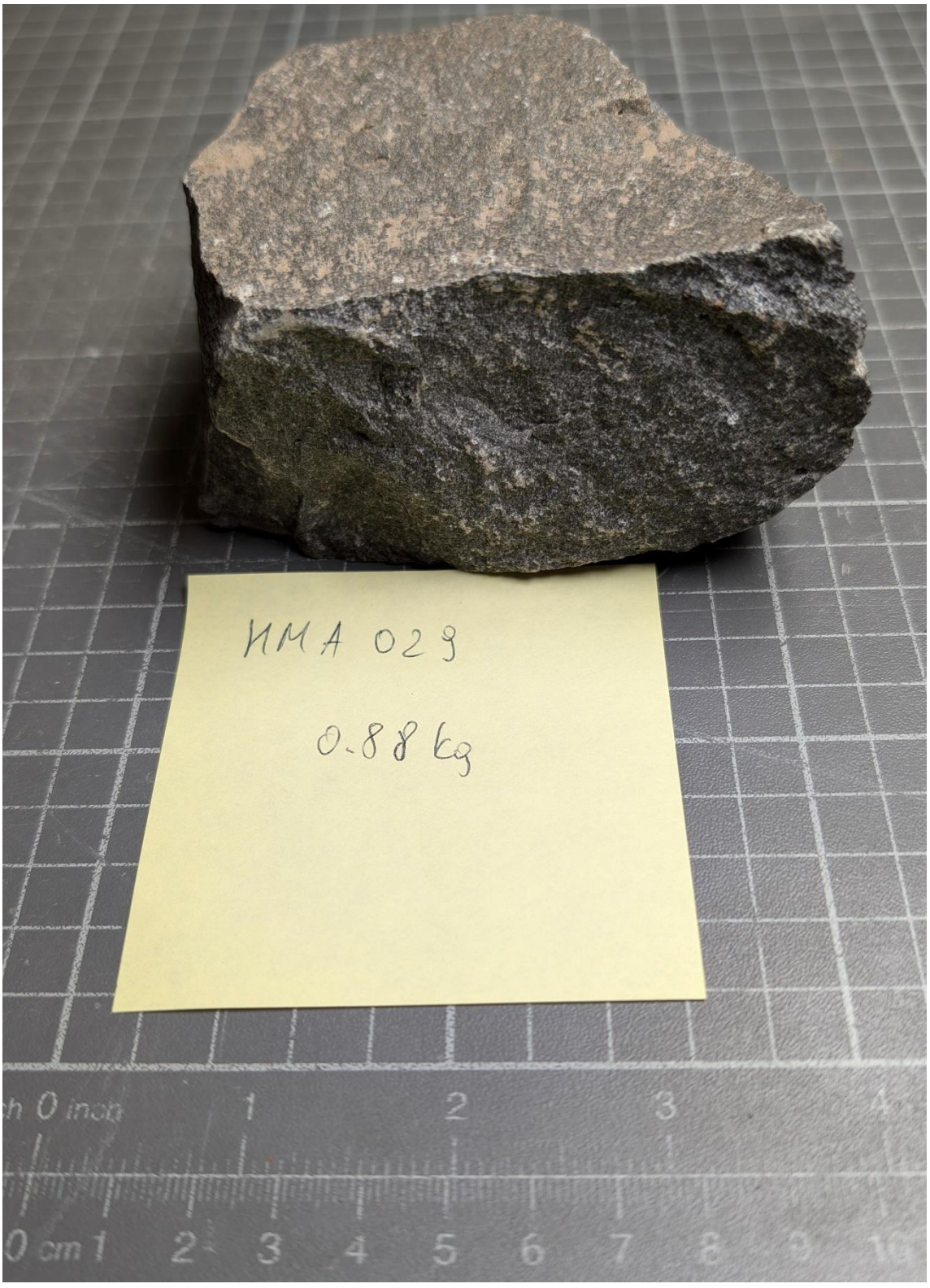
Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 1,08 kg
Special features:

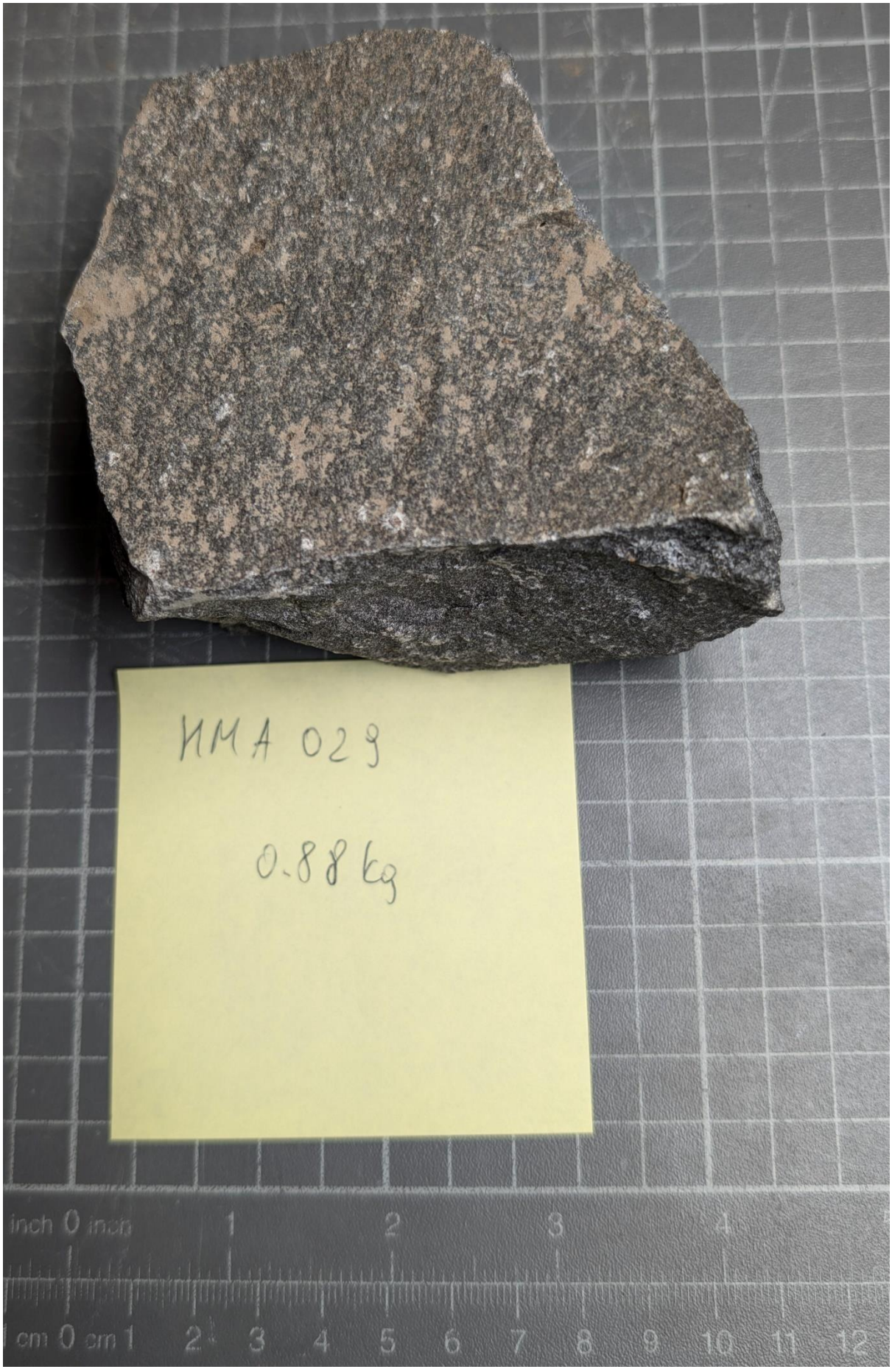



HMA 028
1.08 kg

Sample HMA 029

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric) Weight: 0,88 kg Special features:

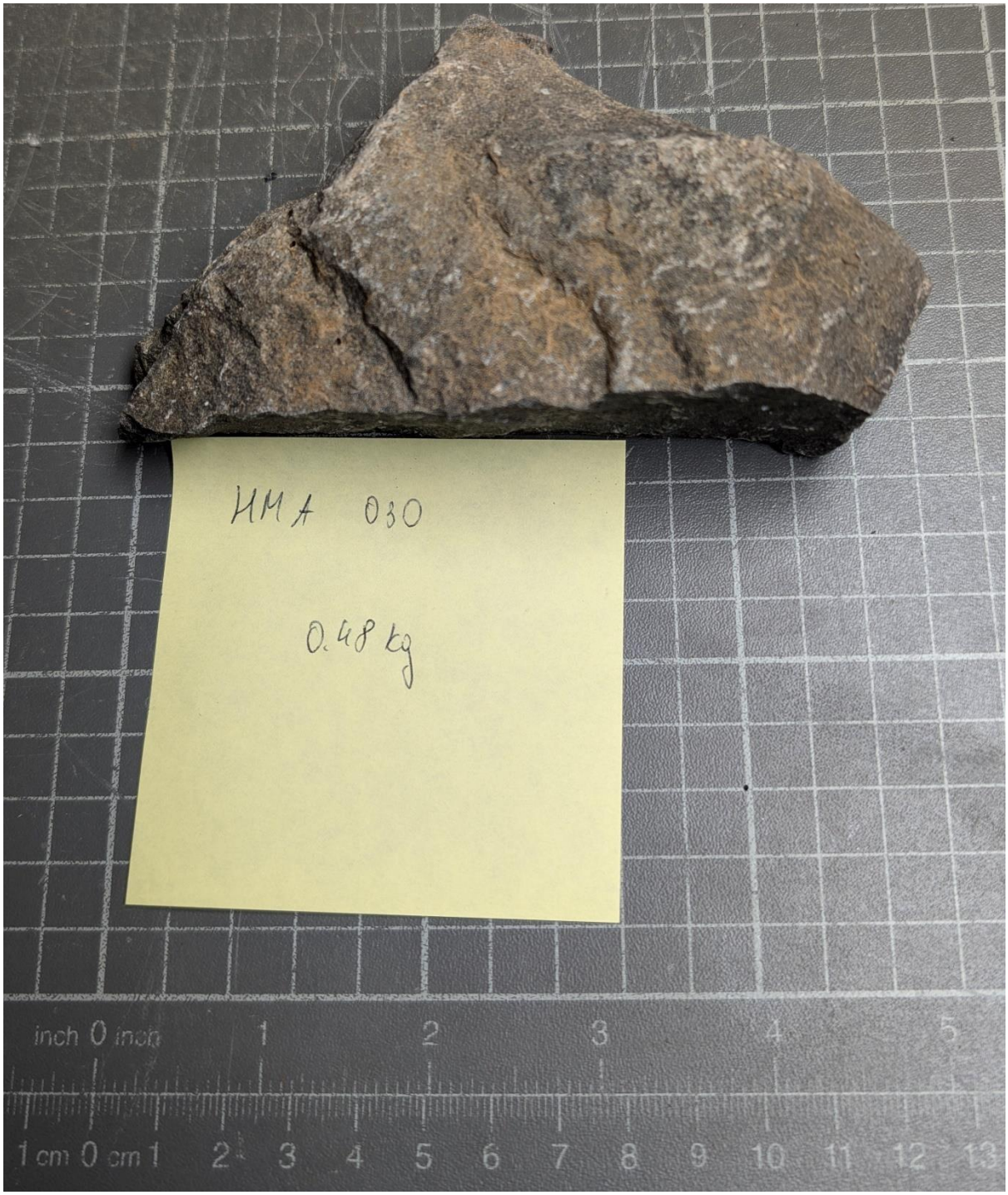



MMA 029
0.88 kg

Sample HMA 030

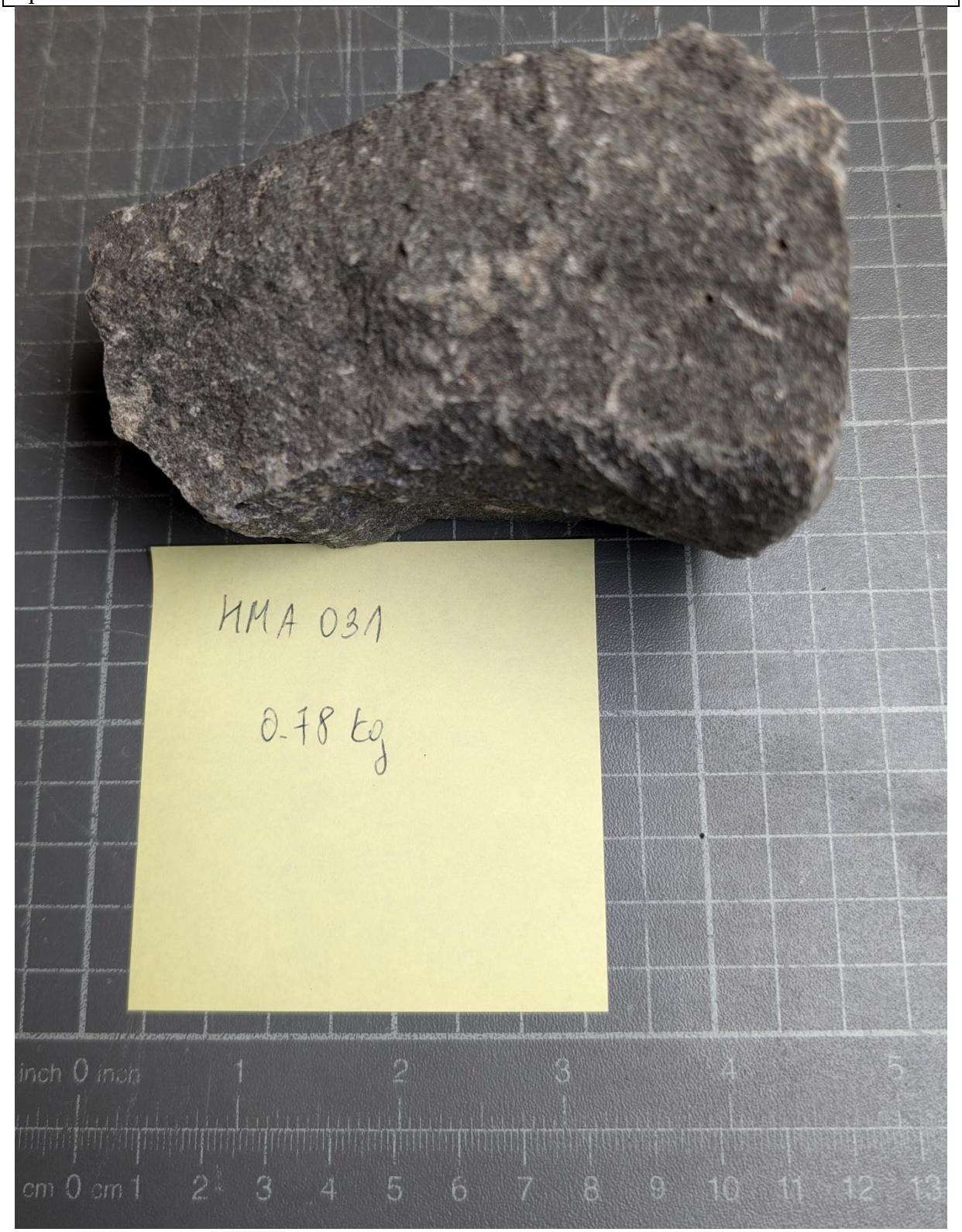
Locality: Hart Mountain (Holocrystalline Basalt, Aphyric) Weight: 0,48 kg Special features:




HMA 030
0.48 kg
inch 0 inch 1 2 3 4 5
1 cm 0 cm 1 2 3 4 5 6 7 8 9 10 11 12 13

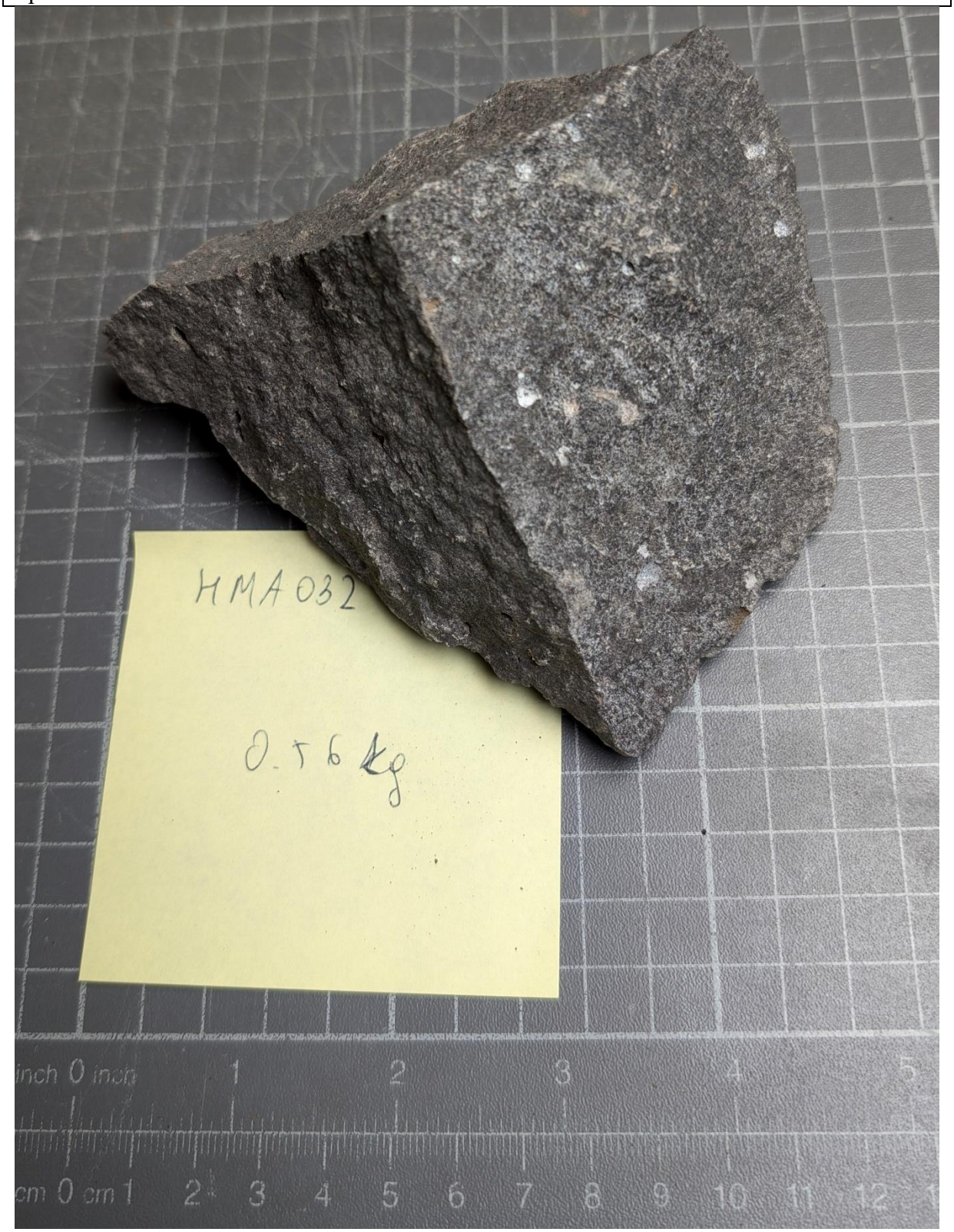
Sample HMA 031

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 0,78 kg
Special features:



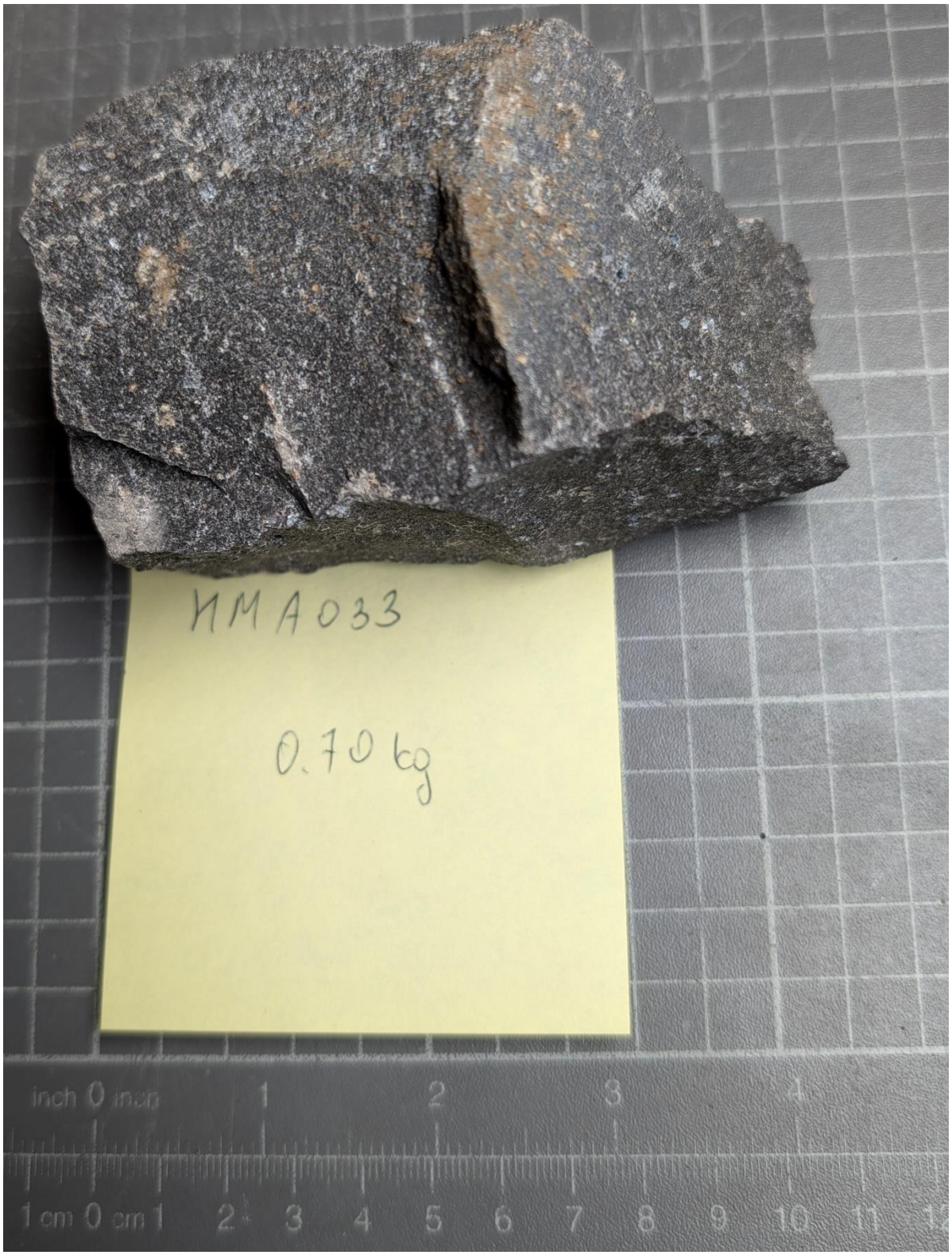
Sample HMA 032

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 0,56 kg
Special features:



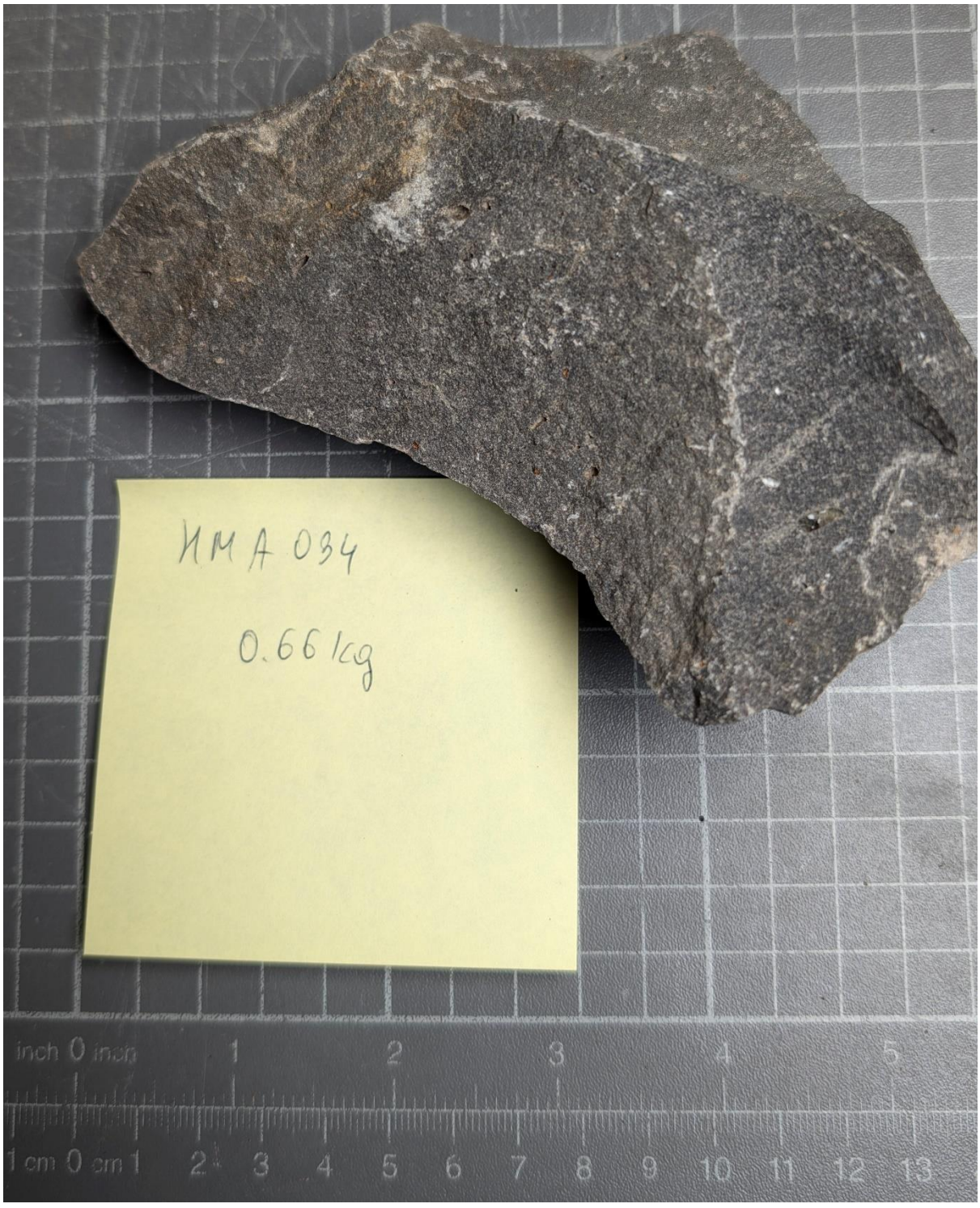
Sample HMA 033

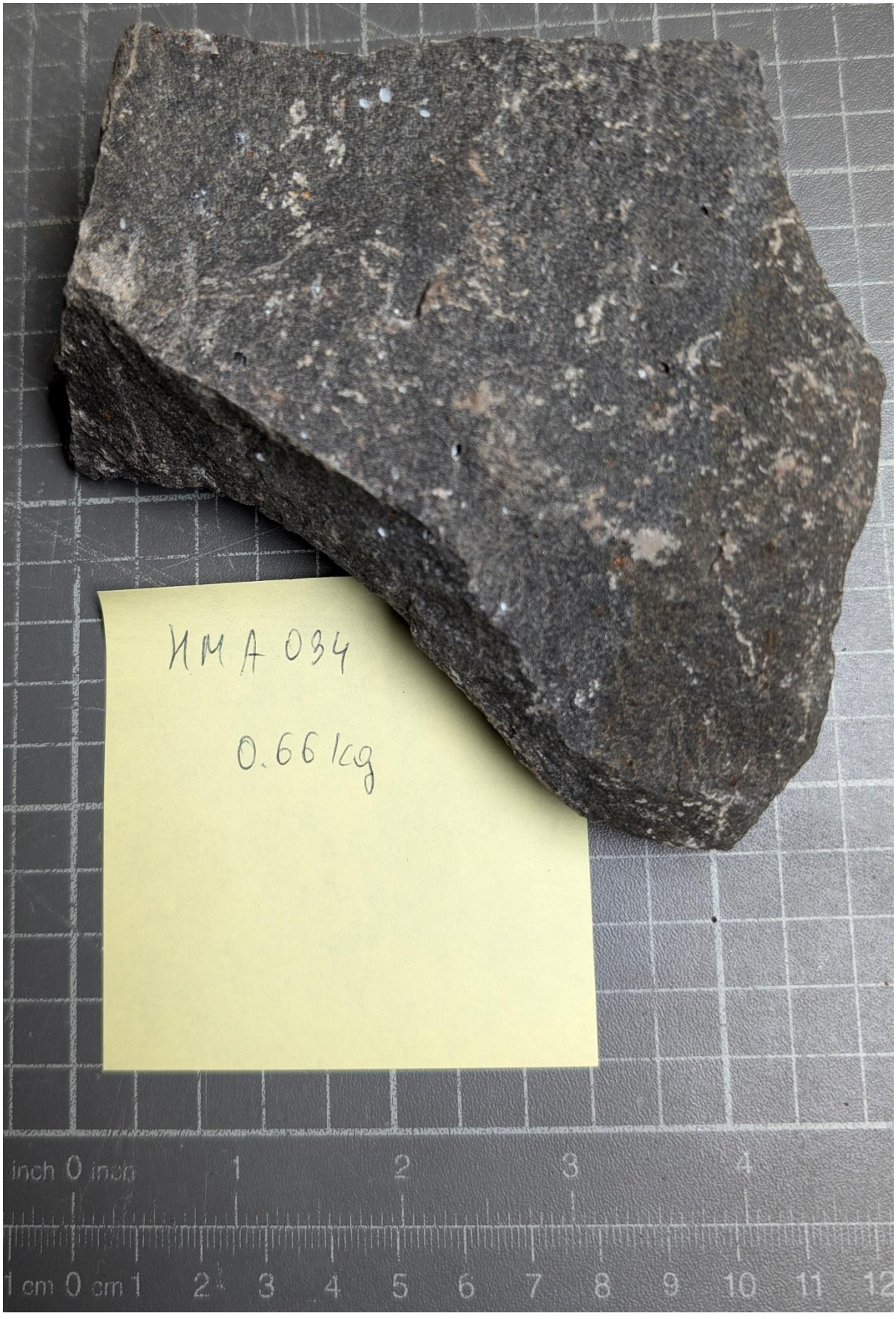
Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 0,7 kg
Special features:



Sample HMA 034

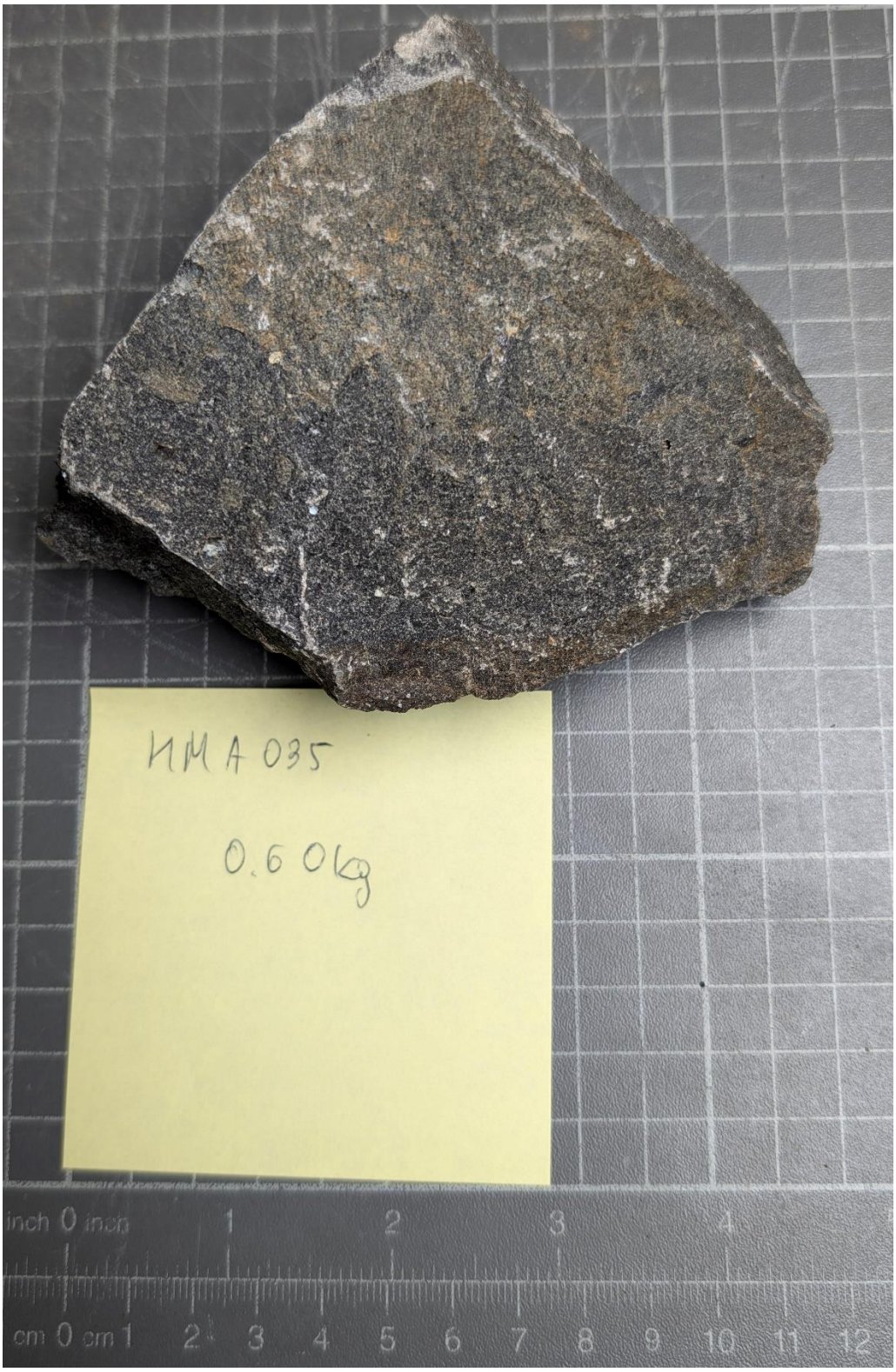
Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 0,66 kg
Special features:

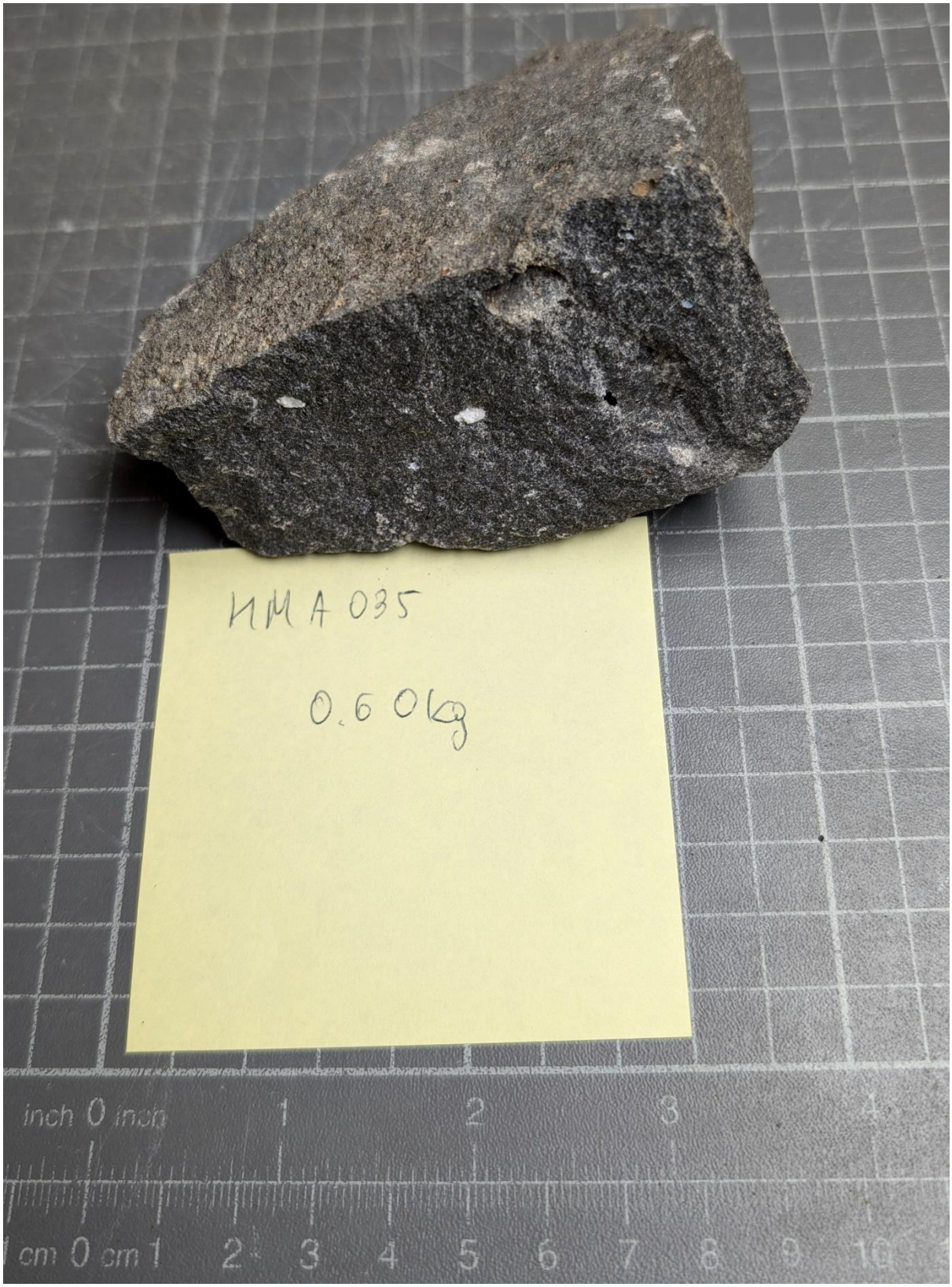



HMA 034
0.661kg

Sample HMA 035

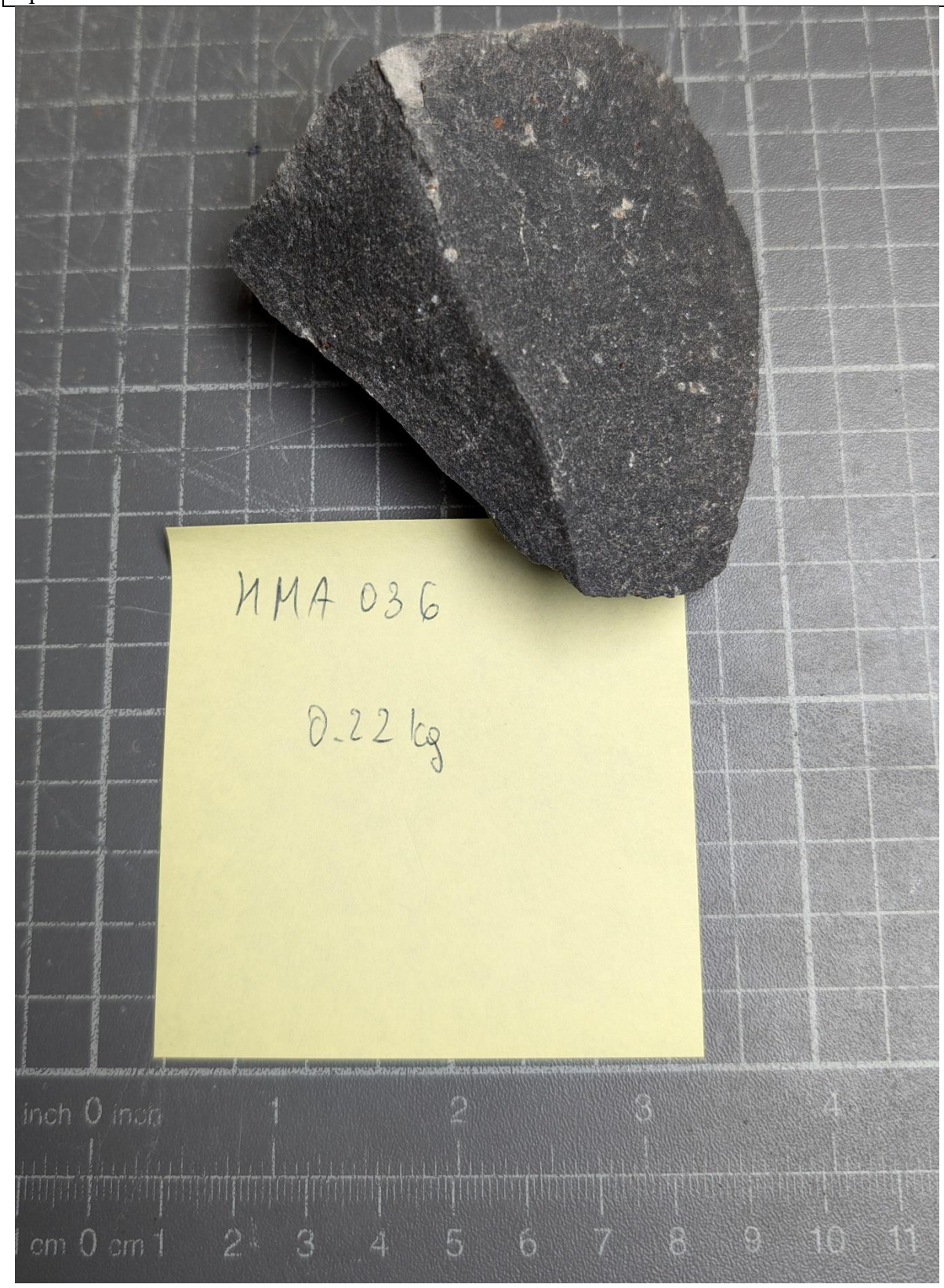
Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 0,6 kg
Special features:




HMA 035
0.60kg
inch 0 inch 1 2 3 4
cm 0 cm 1 2 3 4 5 6 7 8 9 10

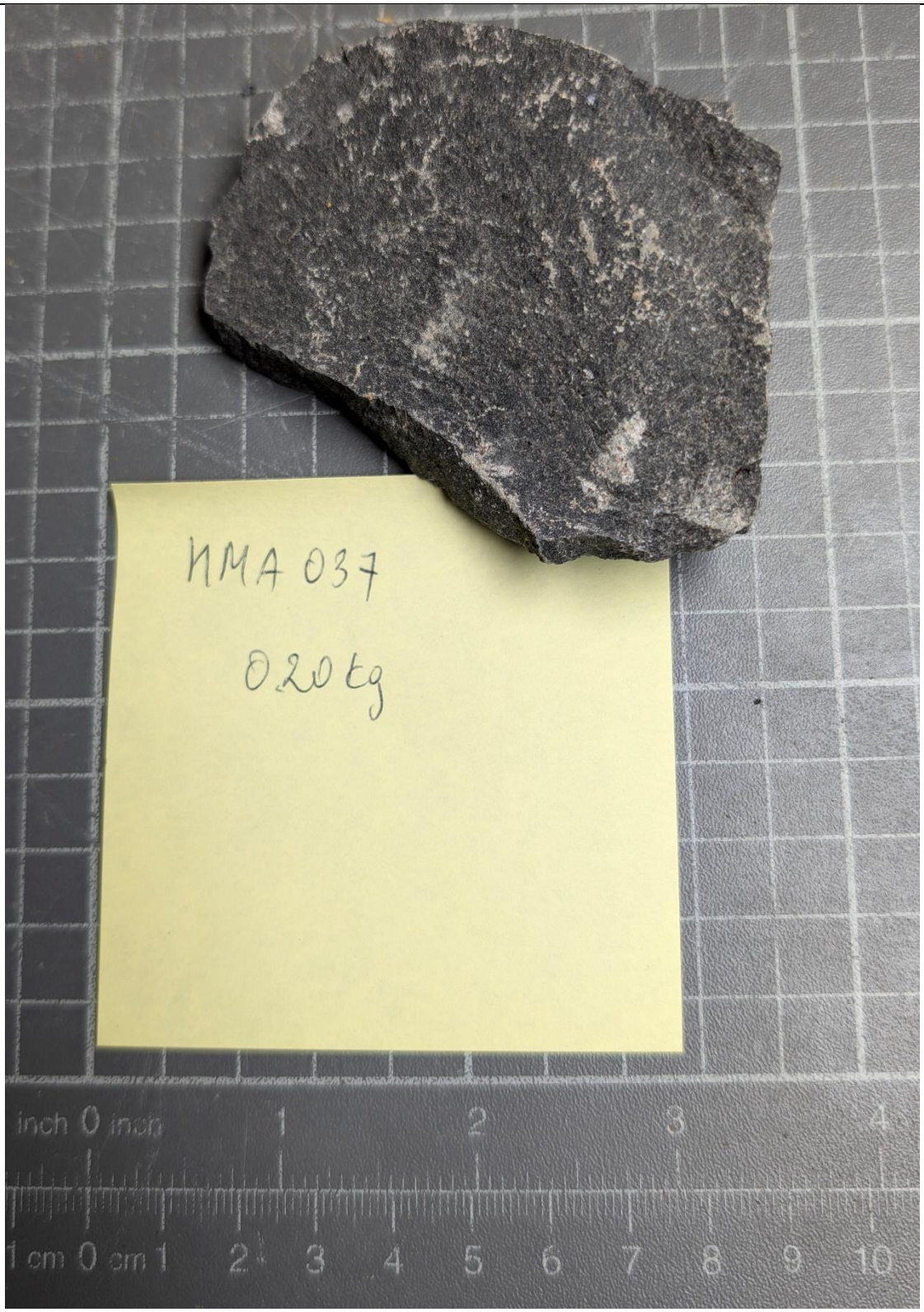
Sample HMA 036

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 0,22 kg
Special features:



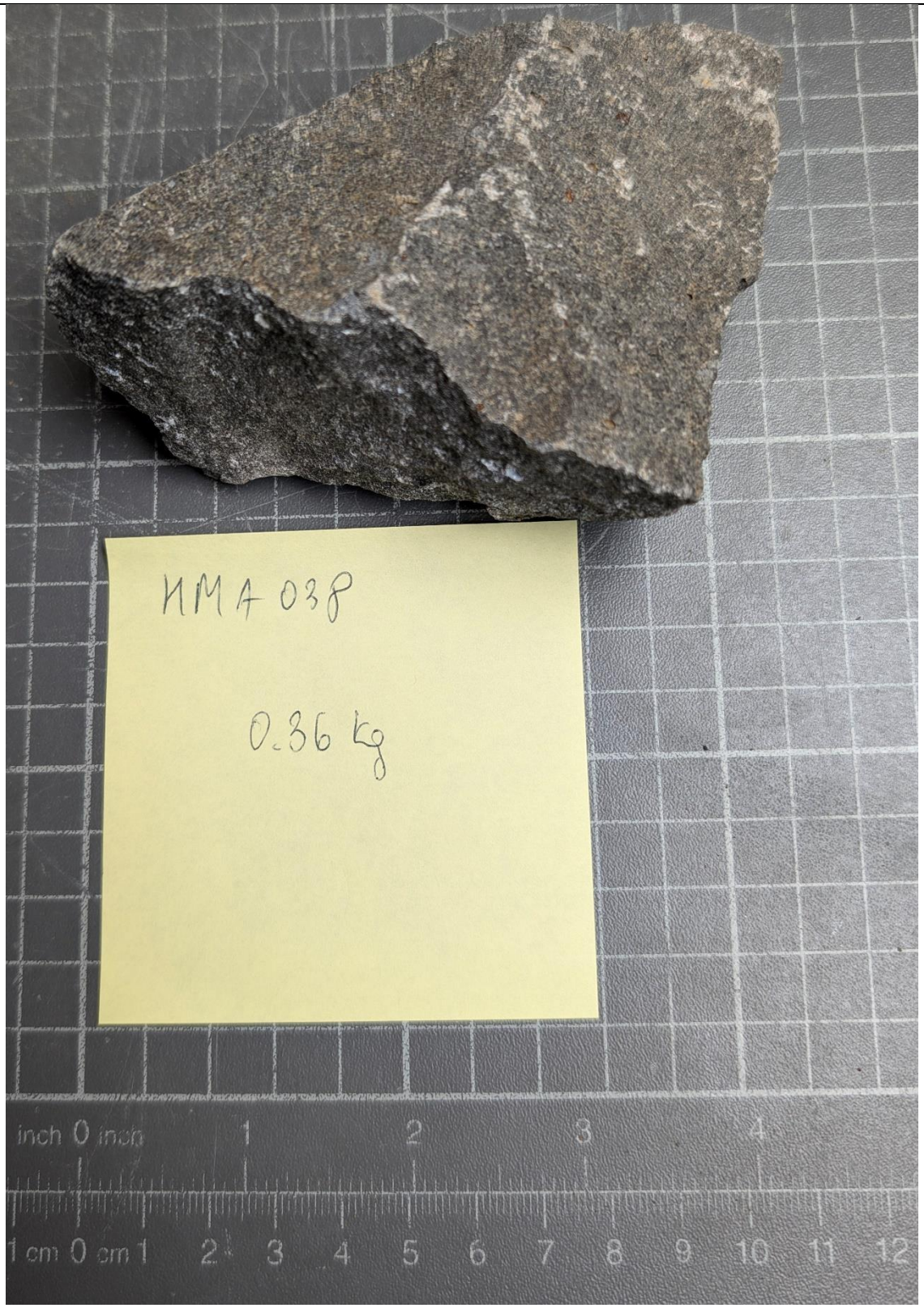
Sample HMA 037

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 0,2 kg
Special features:



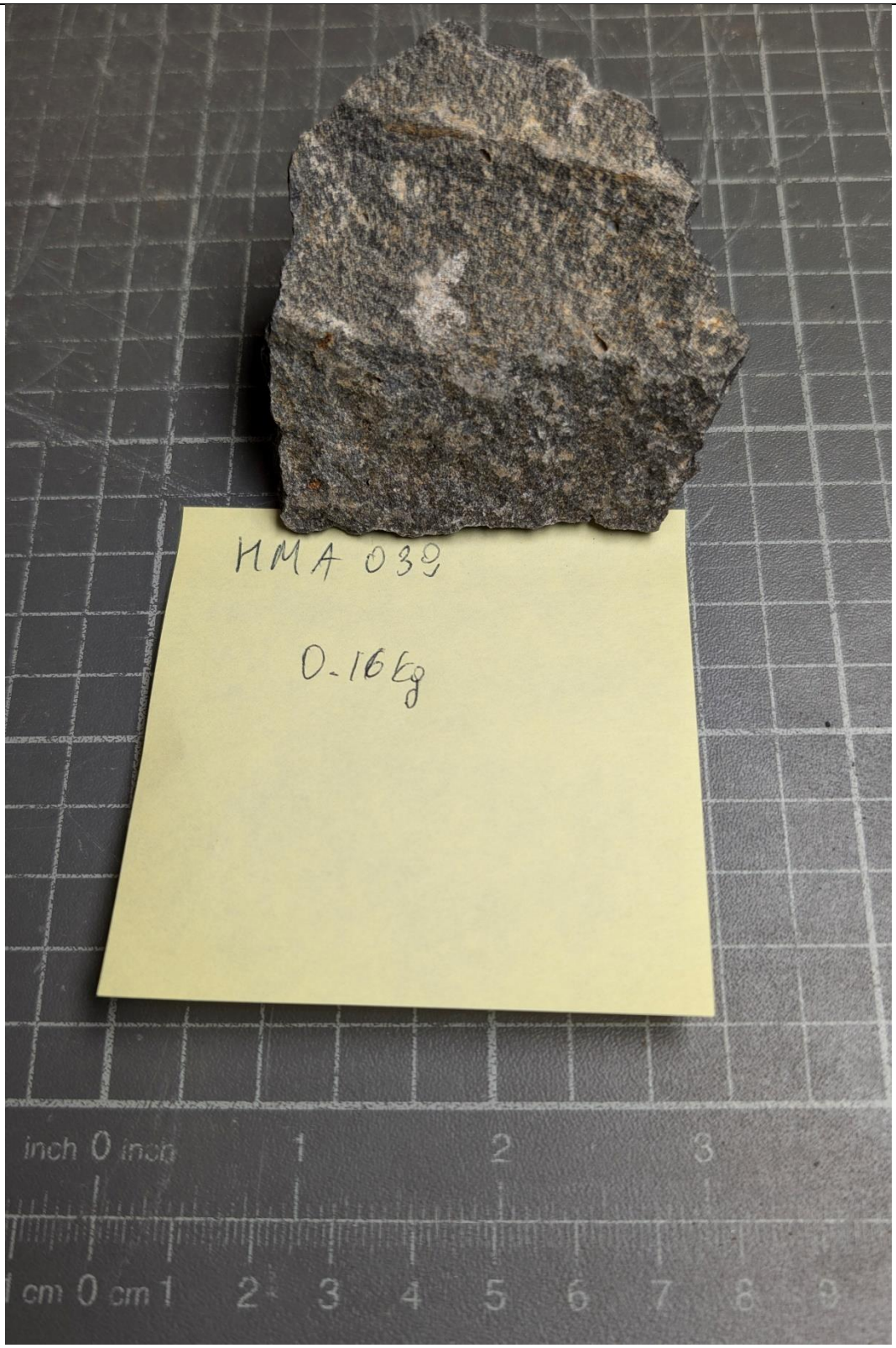
Sample HMA 038

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 0,36 kg
Special features:



Sample HMA 039

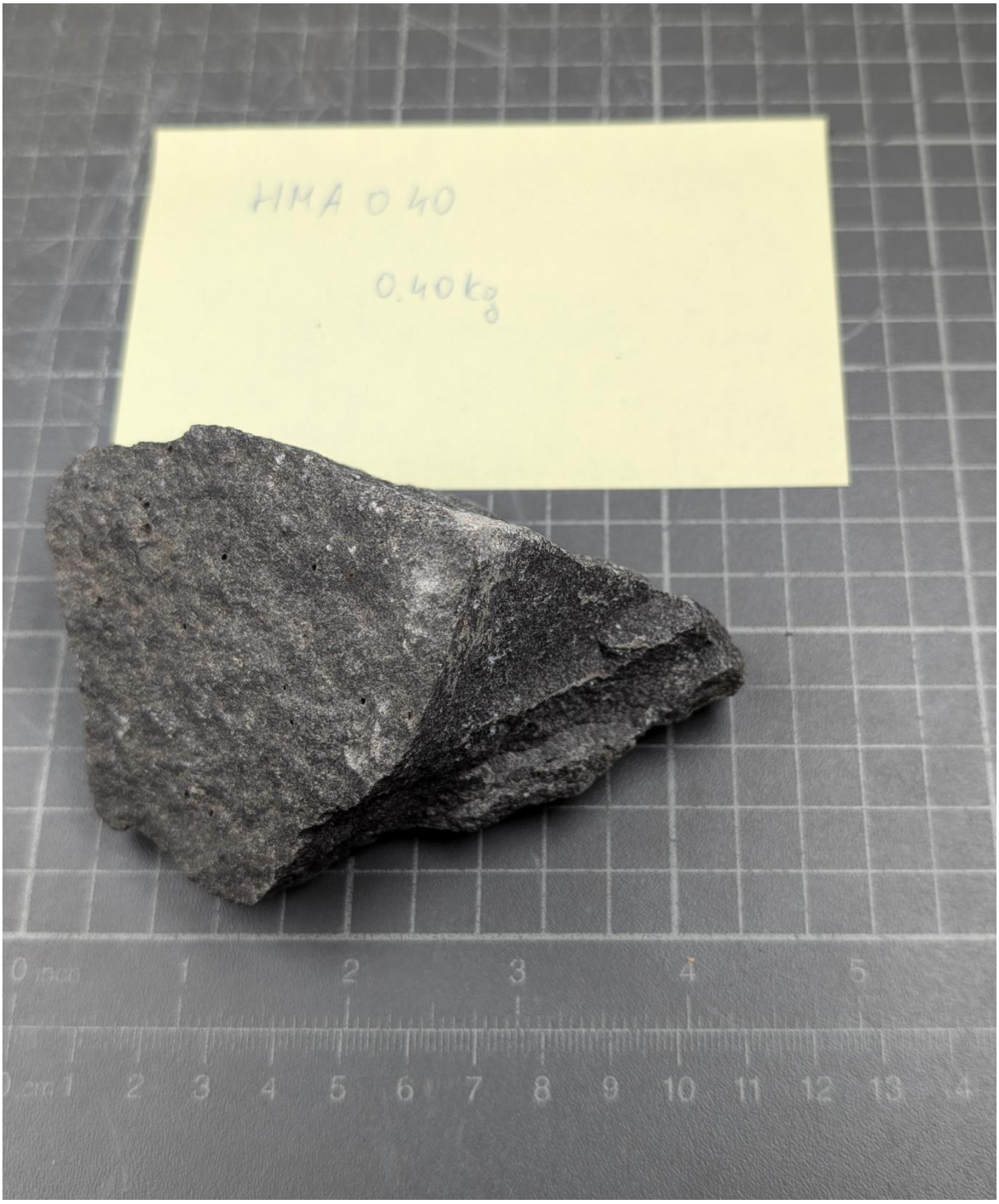
Locality: Hart Mountain (Holocrystalline Basalt, Aphyric)
Weight: 0,16 kg
Special features:



Sample HMA 040

Locality: Hart Mountain (Holocrystalline Basalt, Aphyric) Weight: 0,4 kg Special features:




HMA 040
0.40kg