

Construcció d'un cub

Aquesta pràctica consisteix en construir un cub de $4,5 \text{ mm}^3$.

Materials:

<https://hierrosmallorca.es/productos/perfiles-comerciales/#pletina>

Pletina d'acer negre qualitat [S-275](#) segons norma UNE 10058:76.

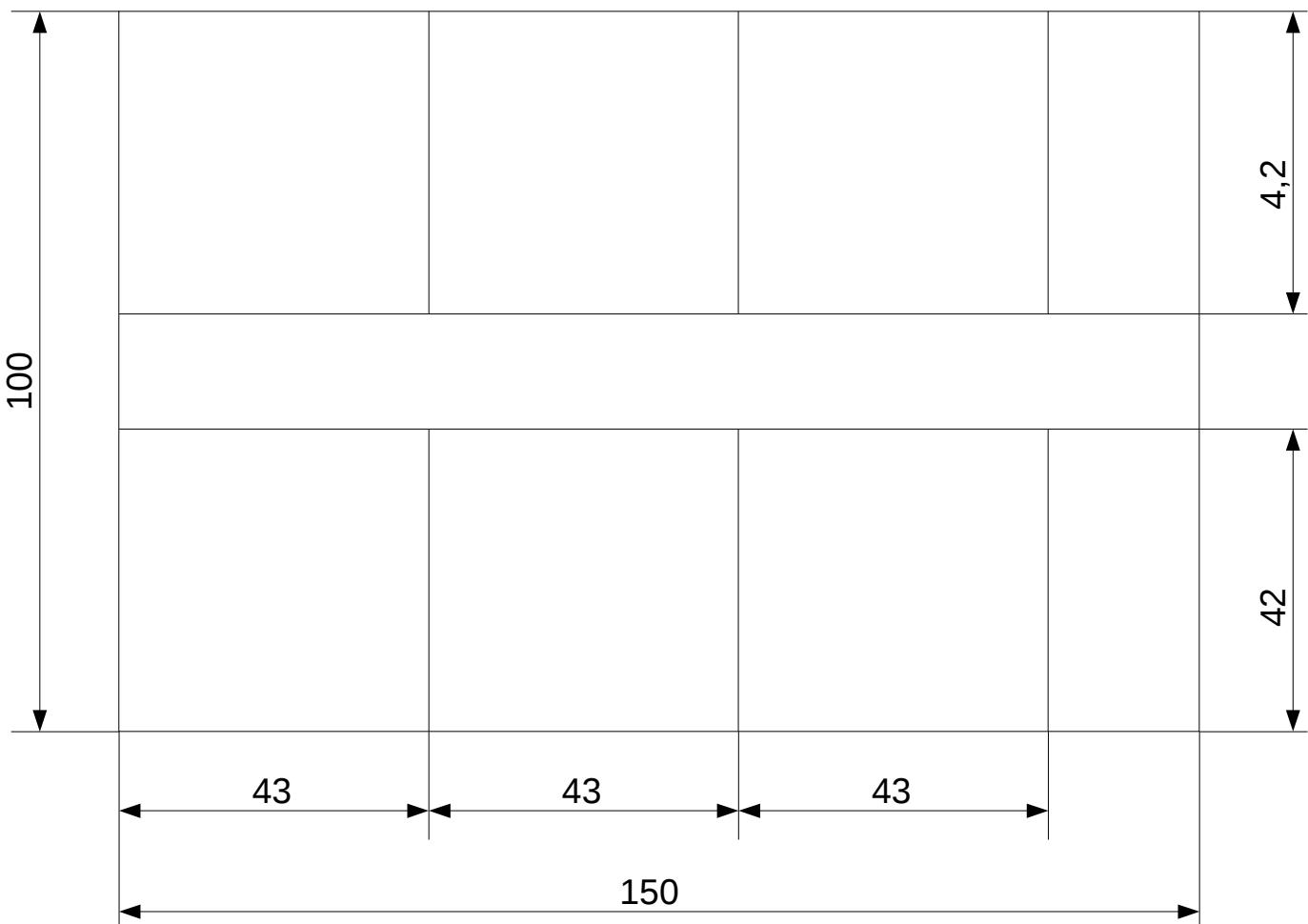
Pletina d'acer negre qualitat [S-235](#) segons norma UNE 10058:76.

$$1 \text{ MPa} = 1 \frac{\text{N}}{\text{mm}^2} \quad \text{con} \quad F = m \cdot a = 1 \text{ kg} \cdot 9,81 \frac{\text{m}}{\text{s}^2} = 9,81 \text{ N} \rightarrow$$

$$1 \text{ MPa} = 1 \frac{\text{N}}{\text{mm}^2} = \frac{1}{9,81} \cdot \frac{\text{kg}}{\text{mm}^2} = 0,1 \frac{\text{kg}}{\text{mm}^2}$$

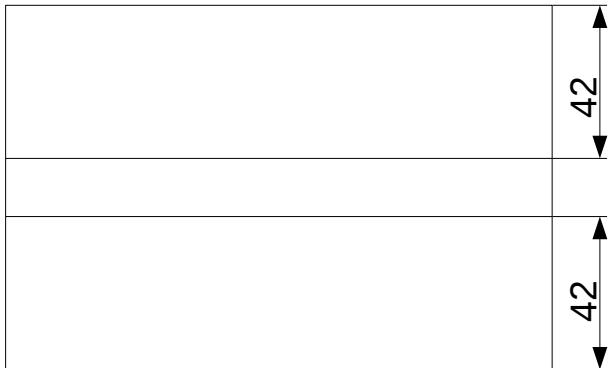
Mides: 100 mm x 150 mm x 7 mm

Tolerància: +0,5 mm i -0,5 mm



Passes a seguir:

1. Marcar la pletina pels talls longitudinals.



2. Tallar la pletina en dues peces amb **serra de cinta**.
3. Foto de les 2 peces amb mides. 4 Fotos dels costats A, B, C i D amb mida de cada costat. (4 punts)

Foto 3-1

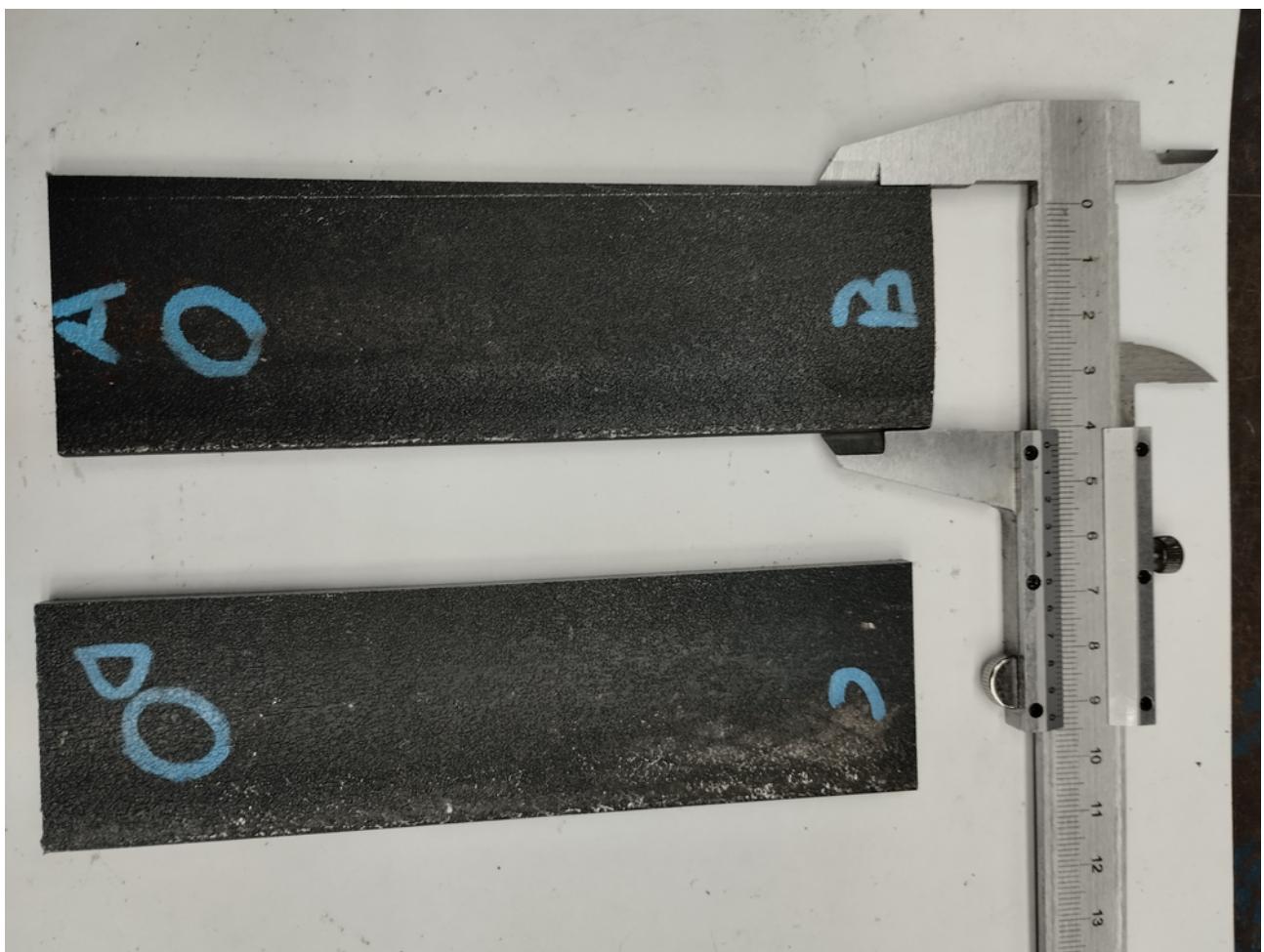


Foto 3-2

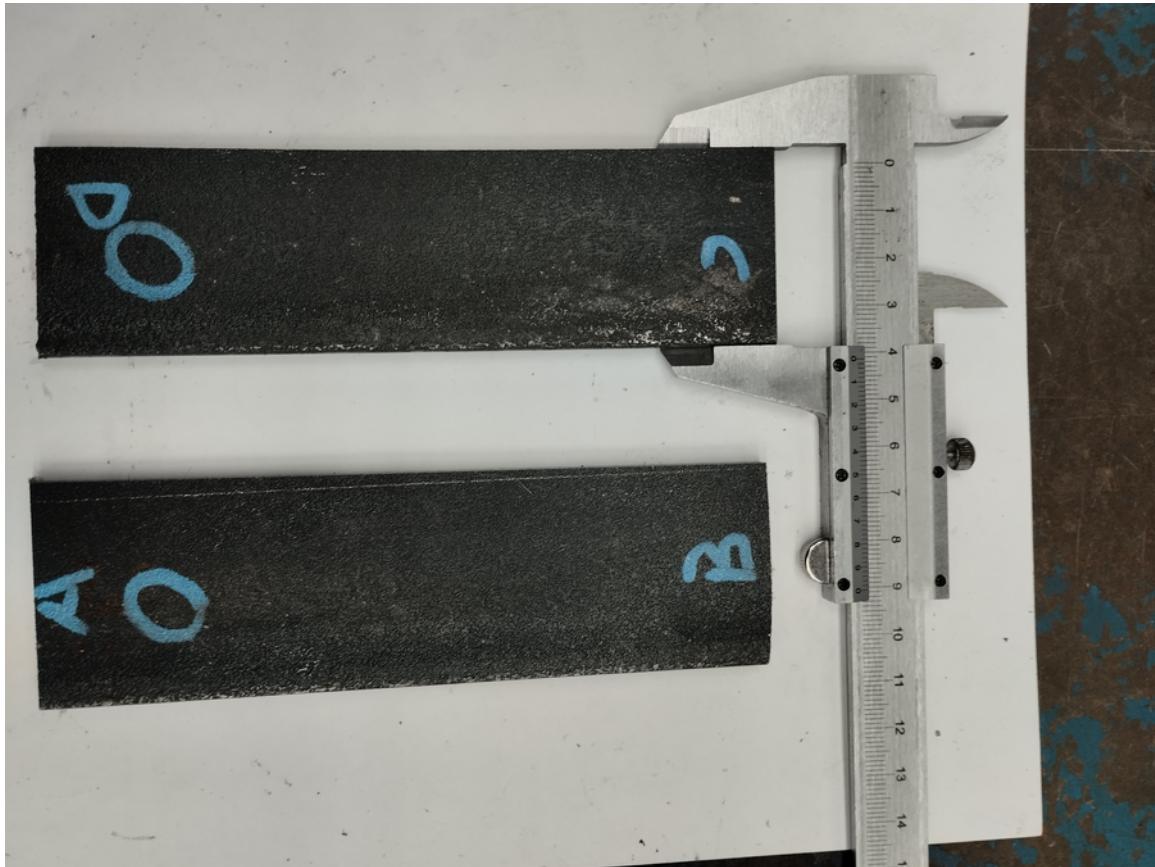


Foto 3-3

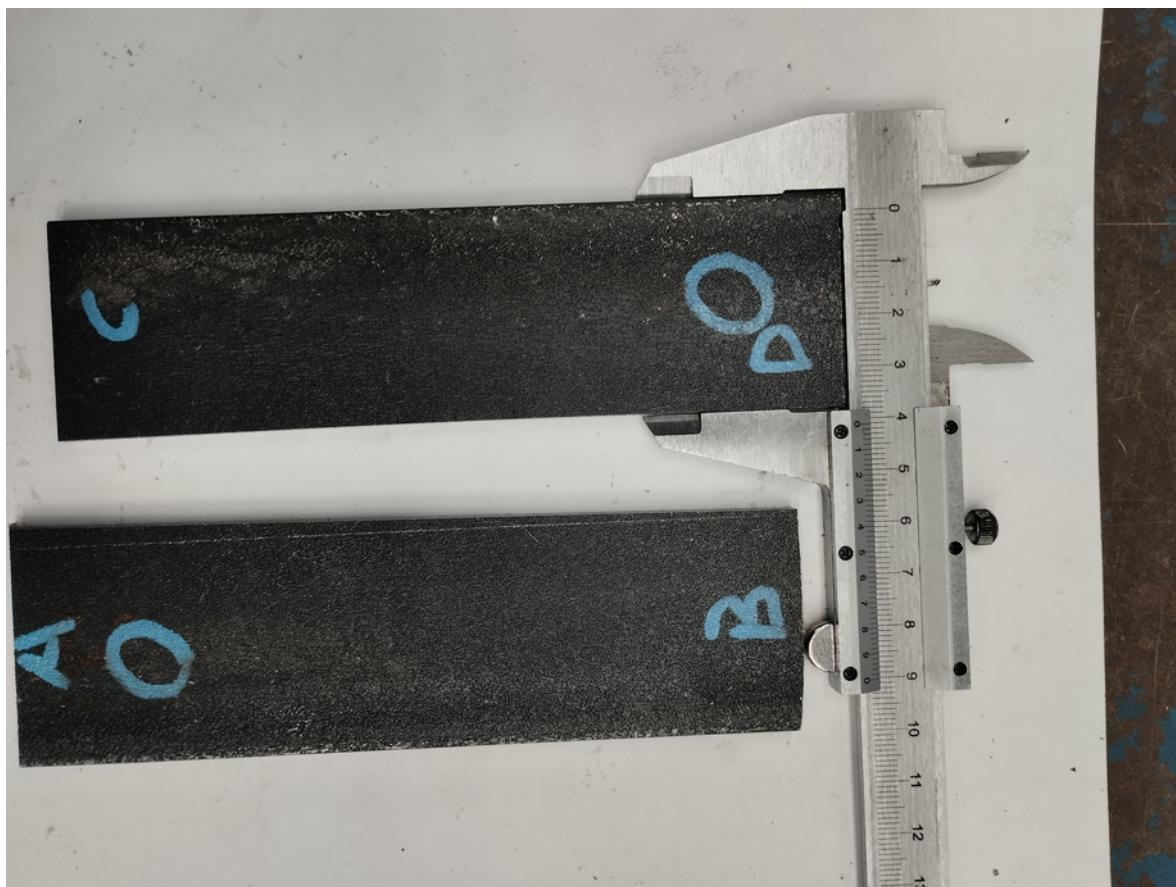
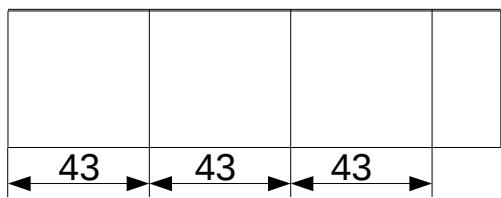


Foto 3-4

4. Marcar la pletina pels talls transversals.



5. Fer els talls transversals amb serra d'arc.

6. Marcar les 6 peces amb el nombre de l'alumne i amb el nombre de peça (1 a 6).
Imatge 6 peces marcades.

7. Foto de les 6 peces amb mides, abans de llimar.

(6 punts)

Foto 7-1

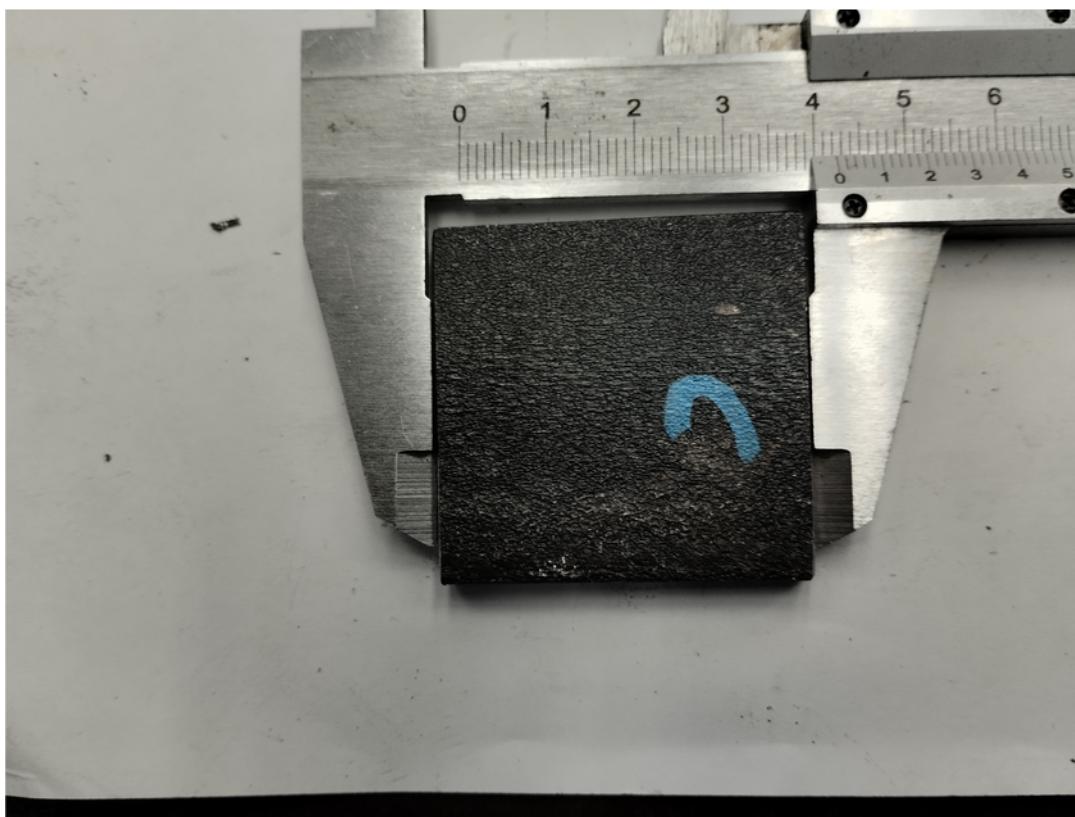


Foto 7-2

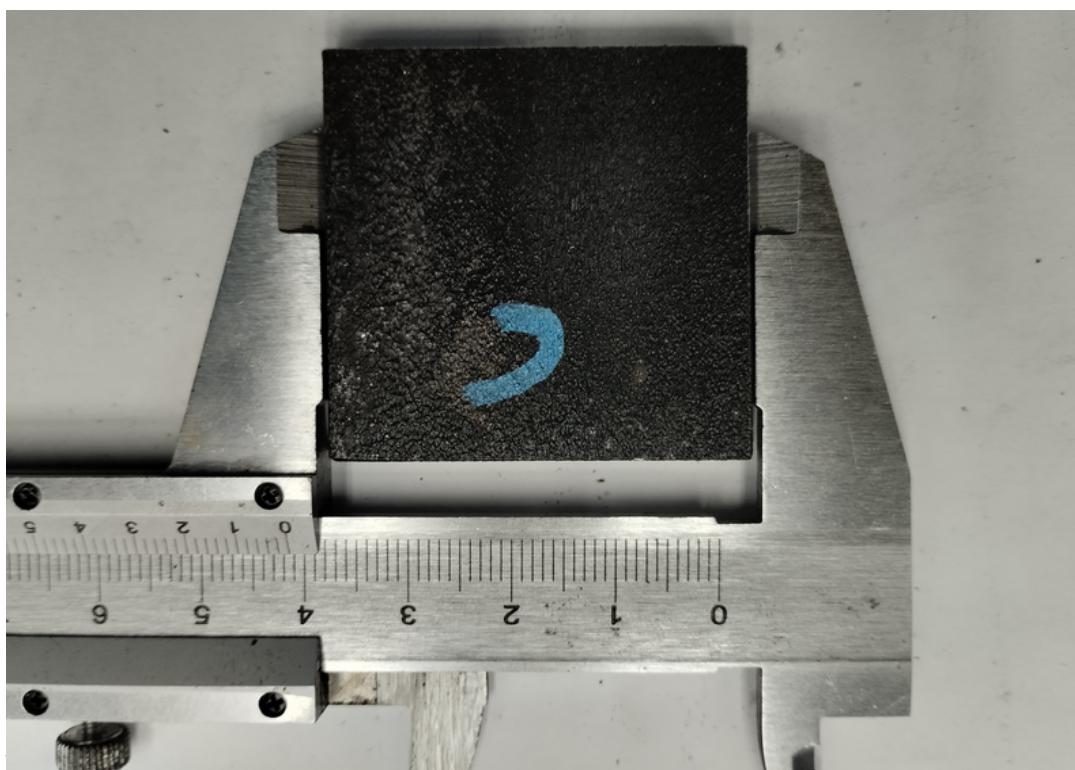


Foto 7-3

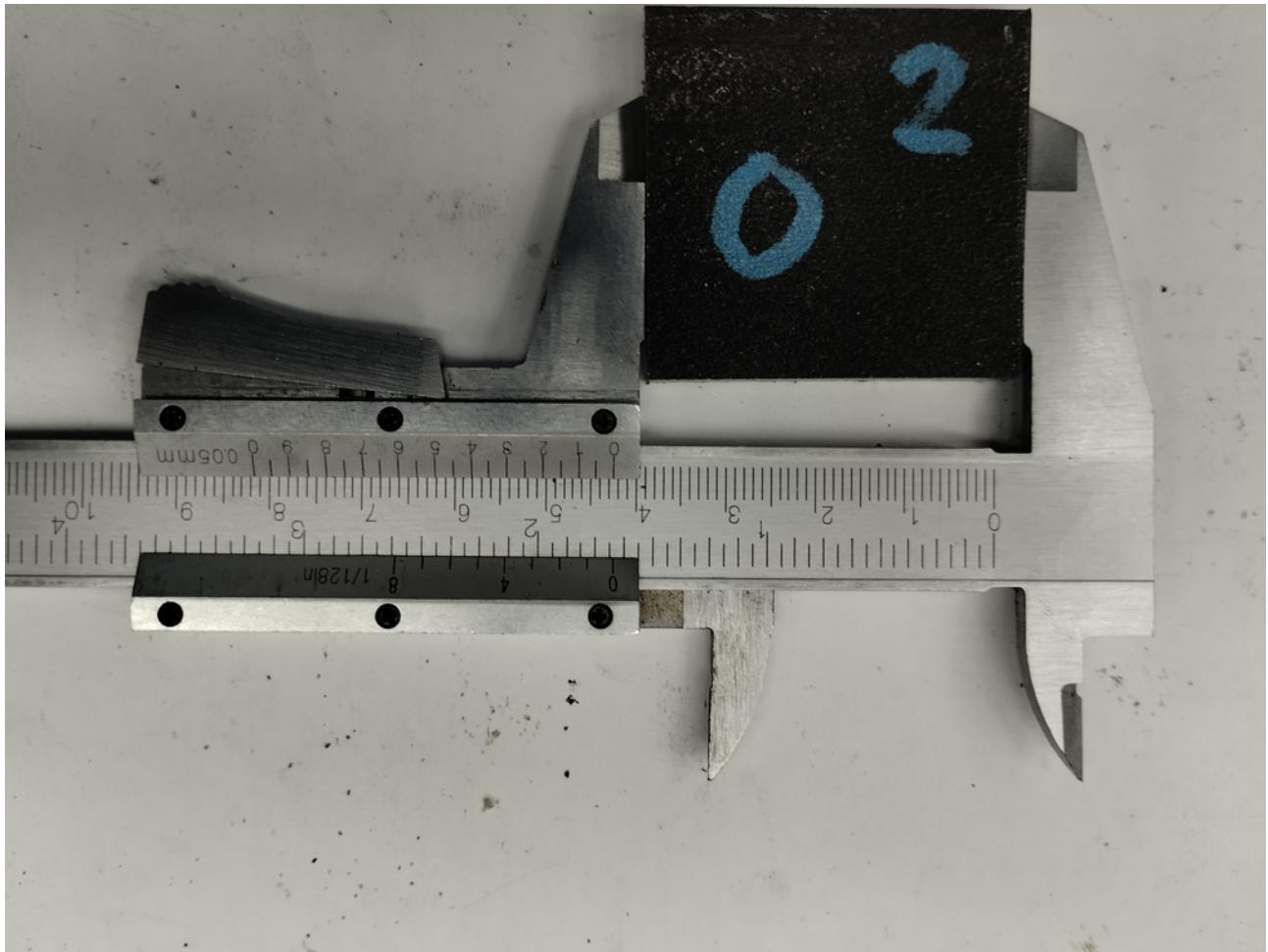


Foto 7-4

Foto 7-5

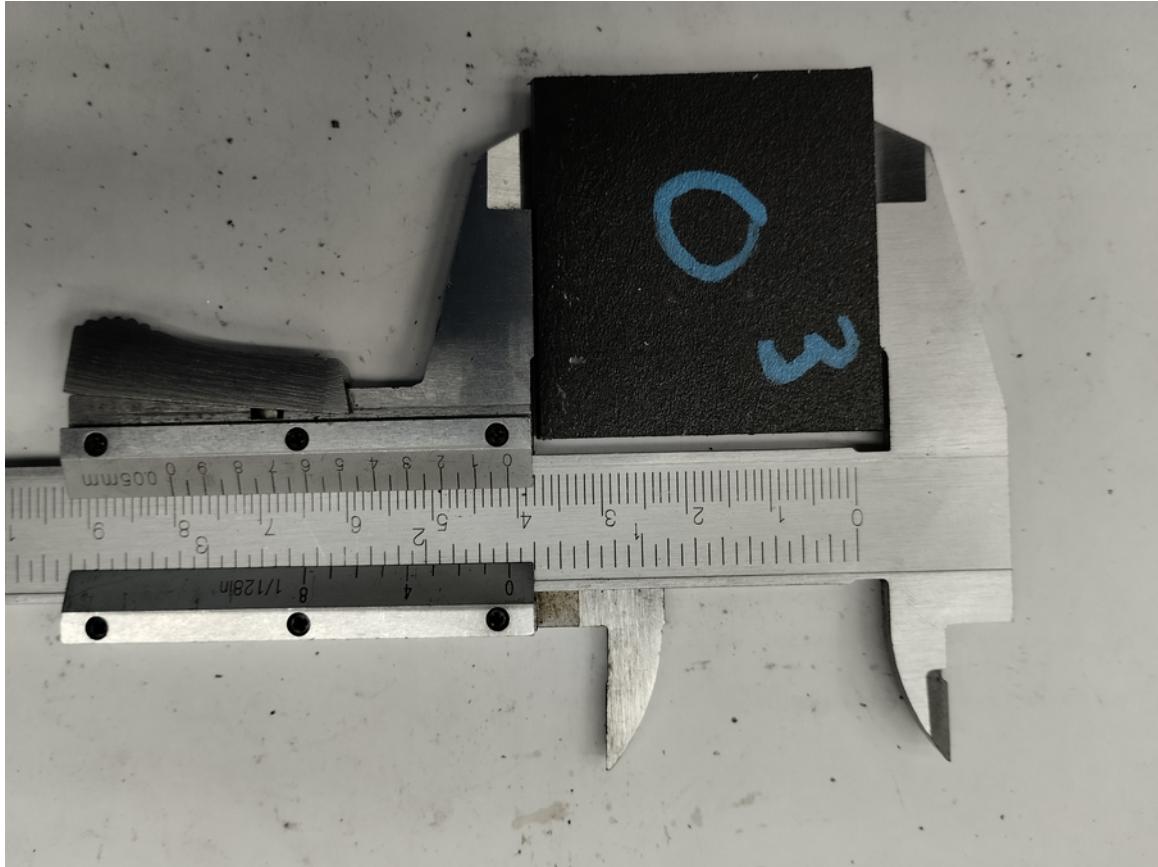


Foto 7-6

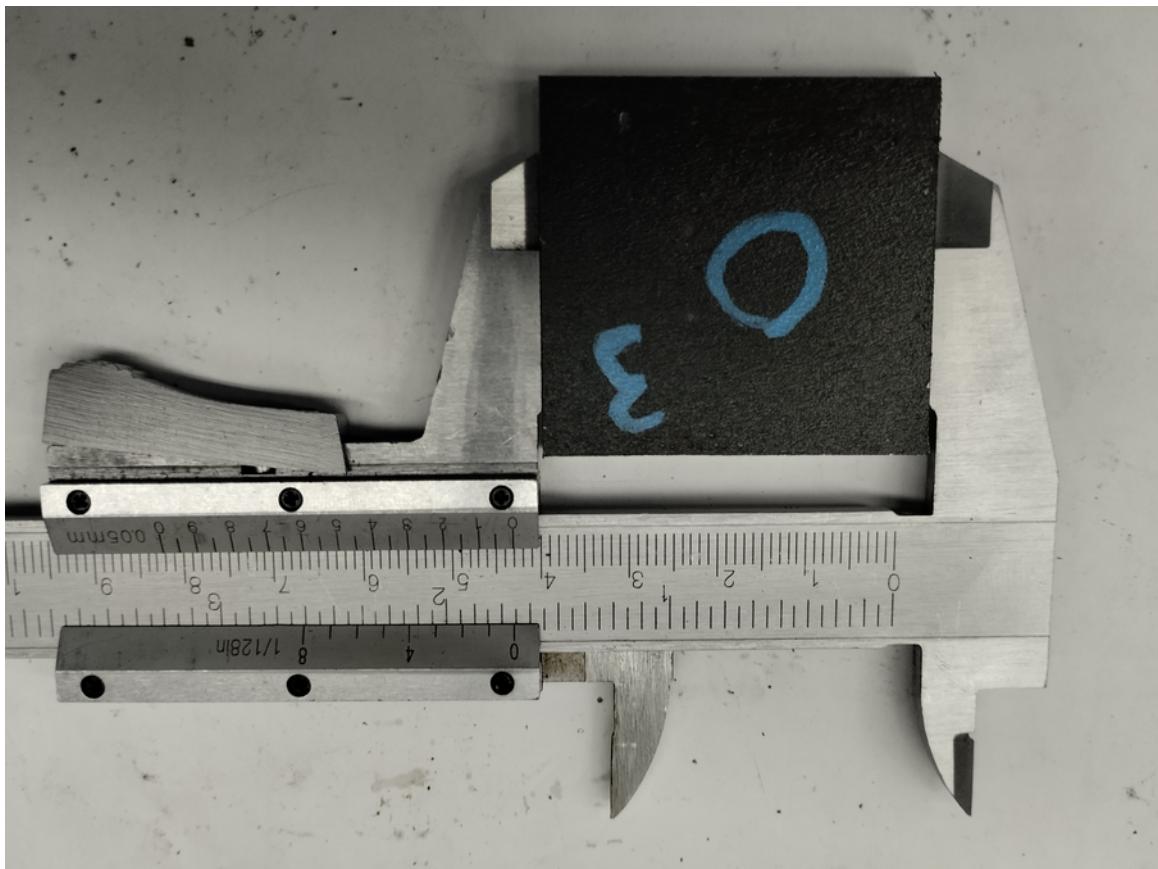


Foto 7-7

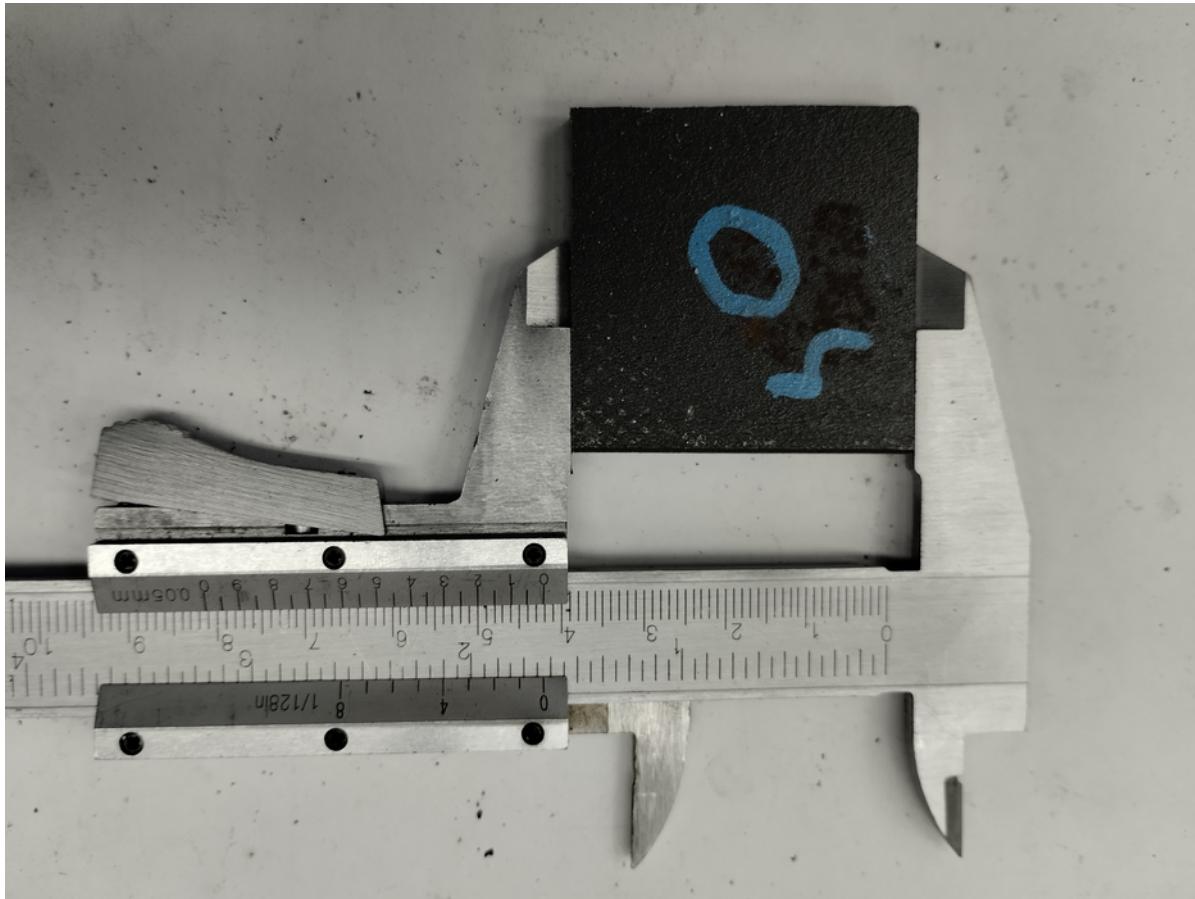


Foto 7-8

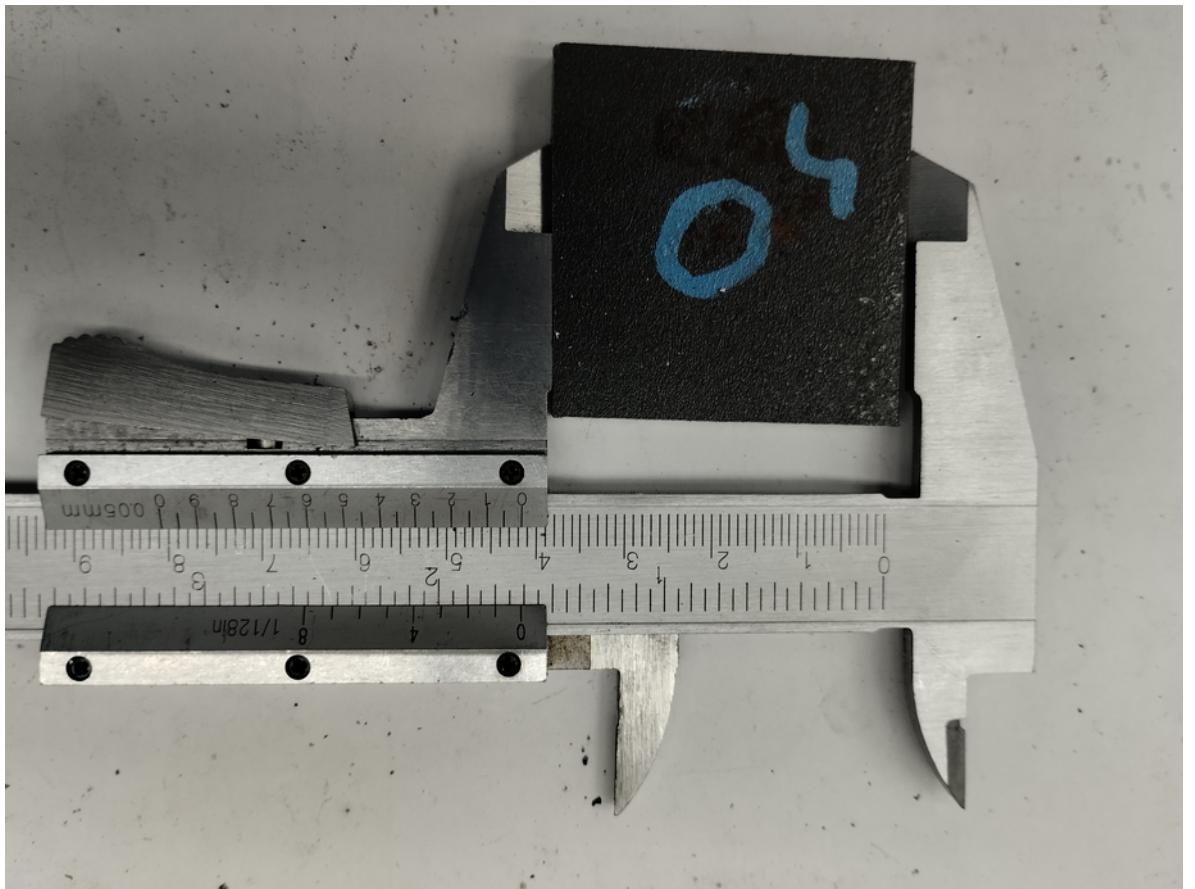


Foto 7-9

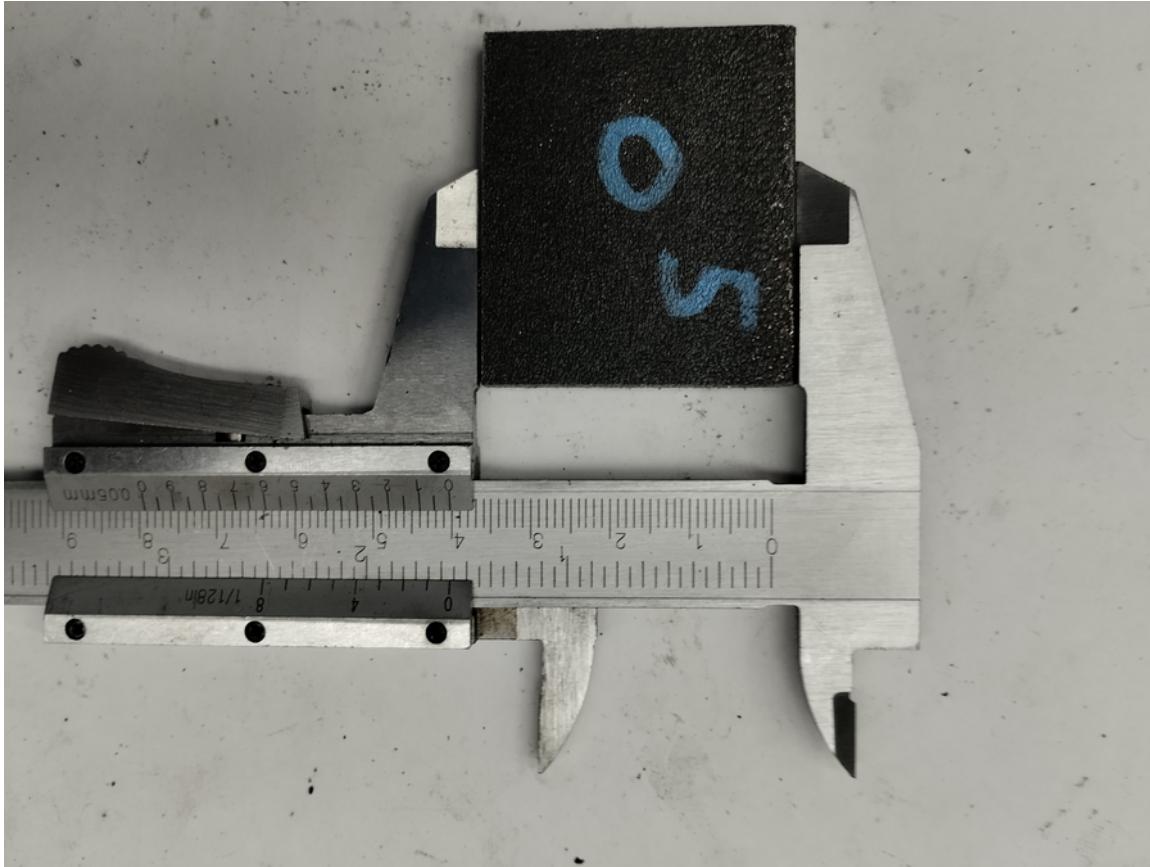


Foto 7-10

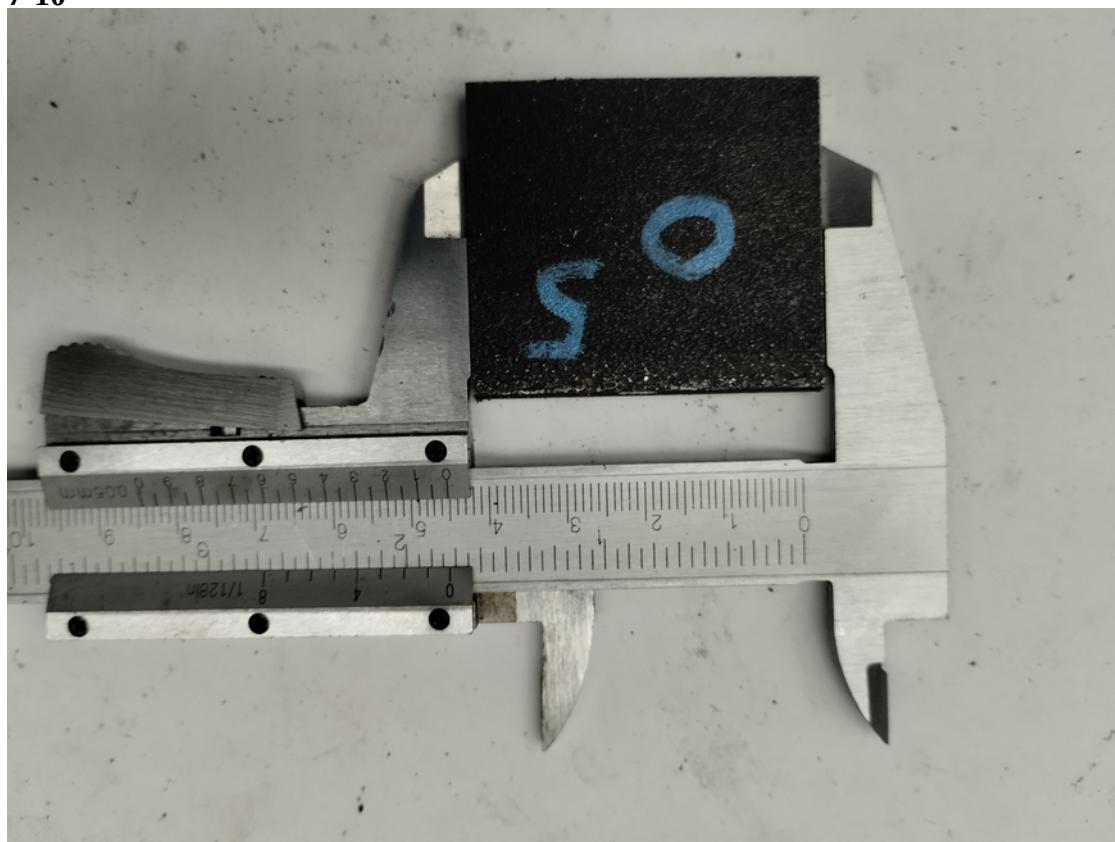


Foto 7-11

Foto 7-12

8. Foto de les 6 peces amb mides, després de llimar.

(6 punts)

Foto 8-1

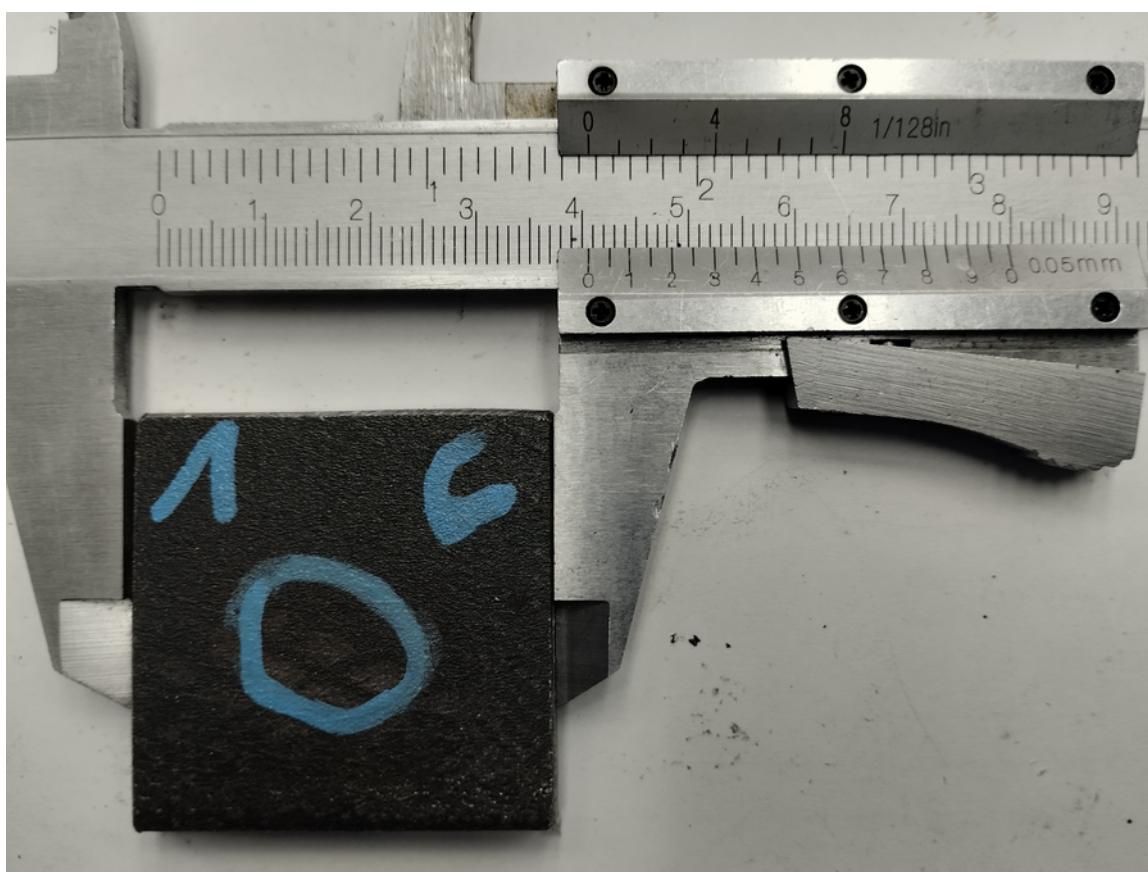


Foto 8-2

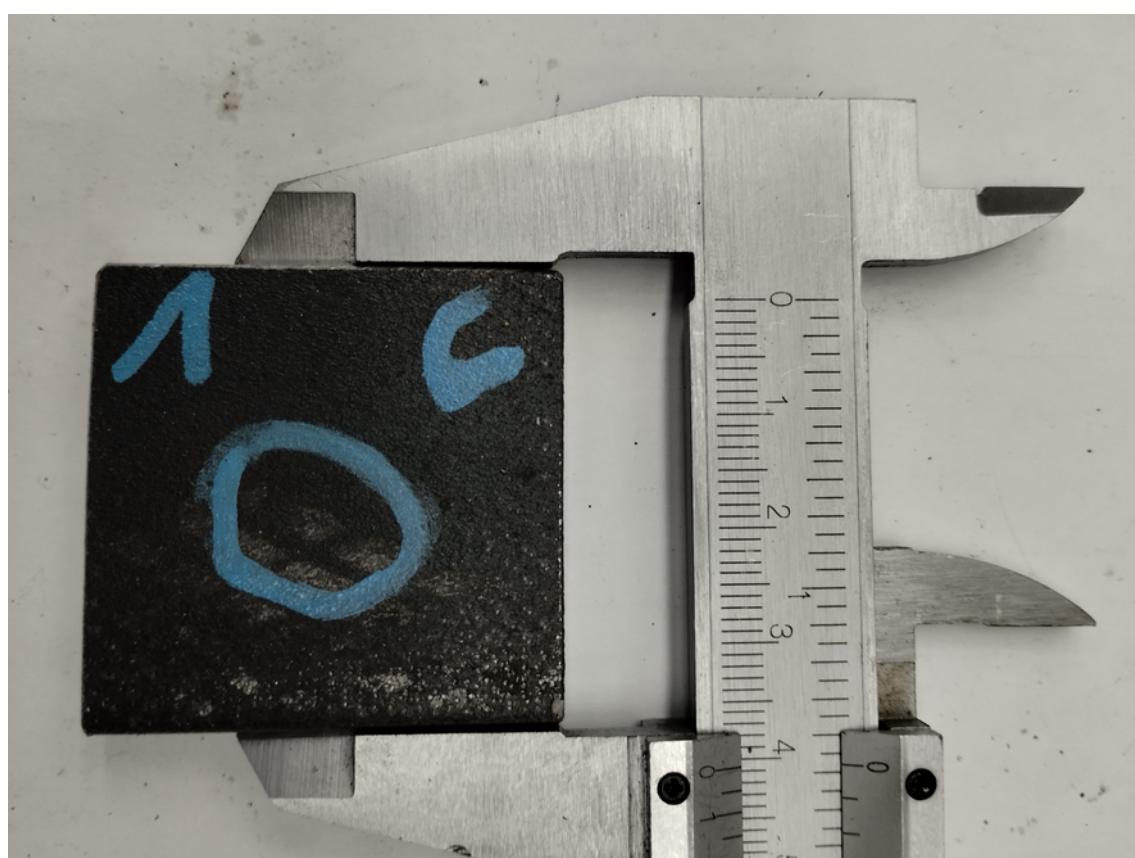


Foto 8-3

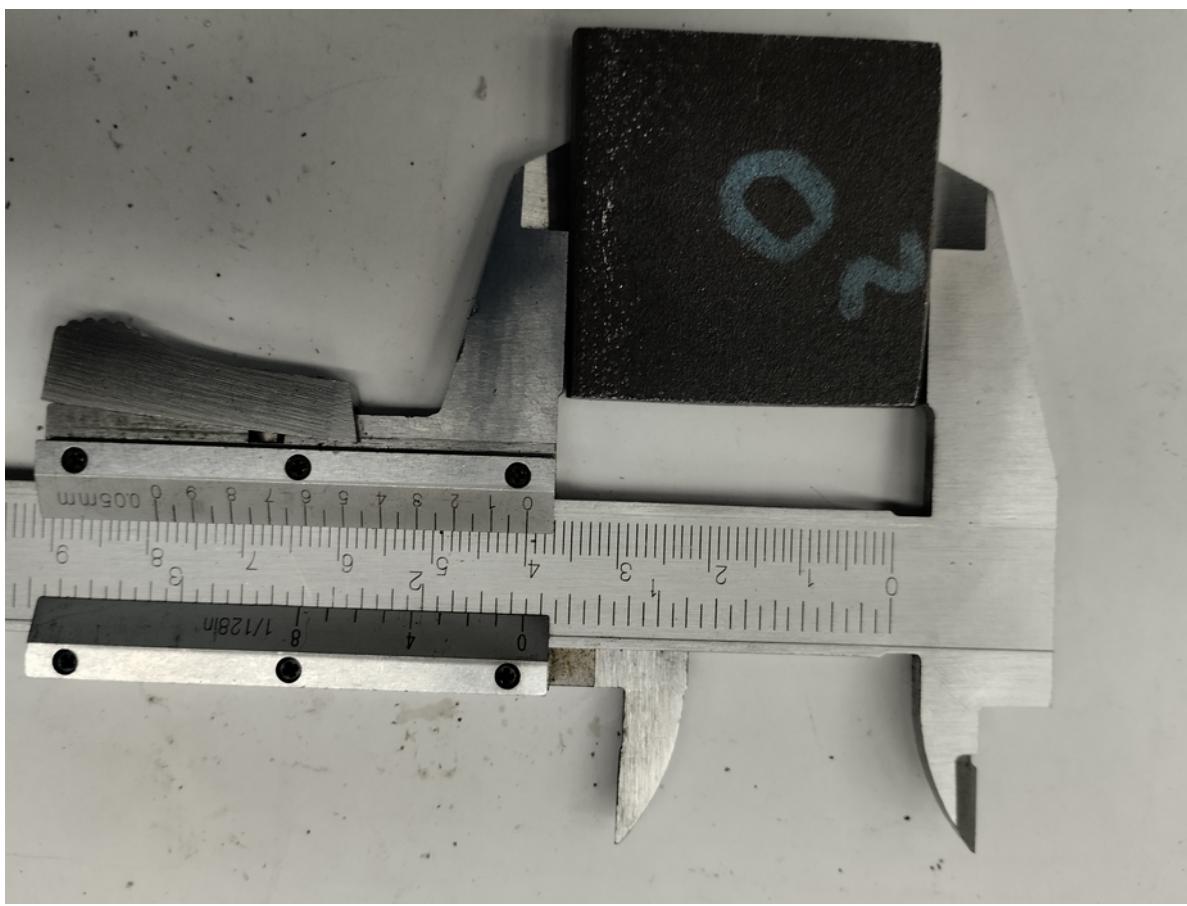


Foto 8-4



Foto 8-5

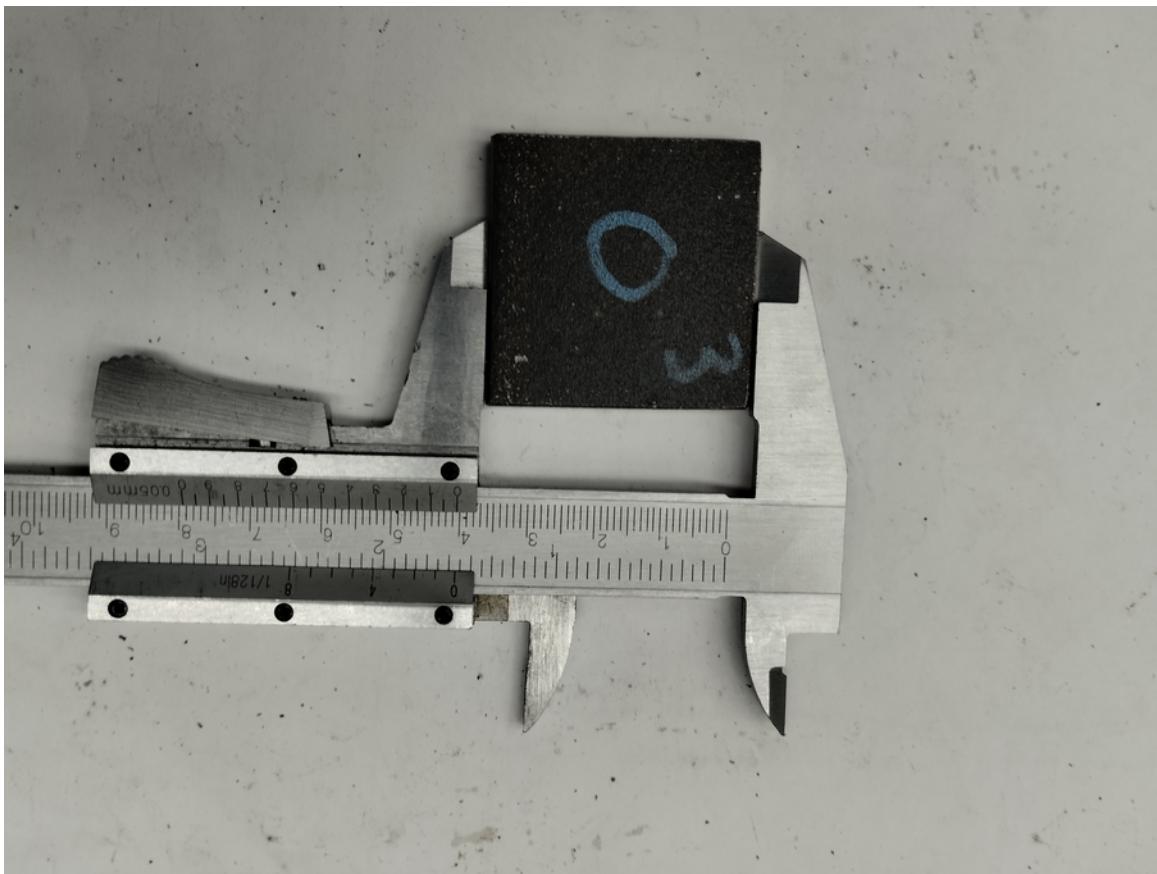


Foto 8-6

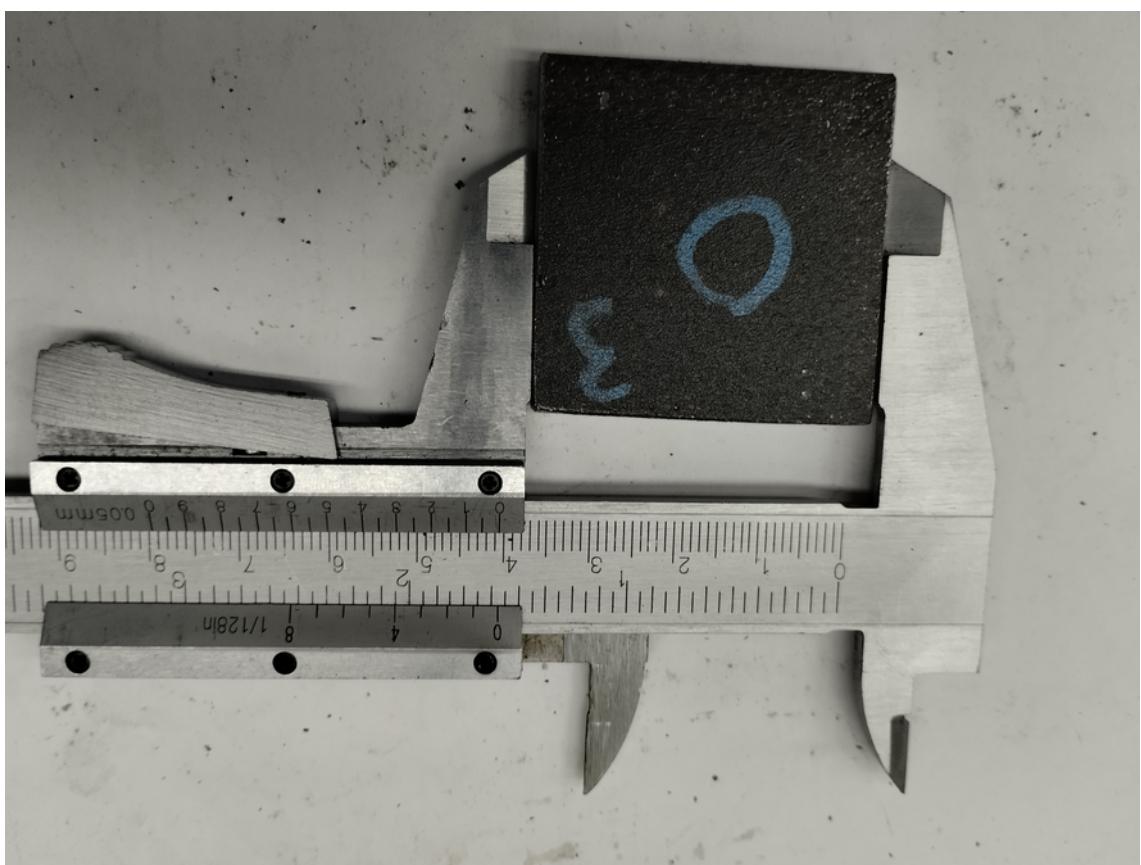


Foto 8-7

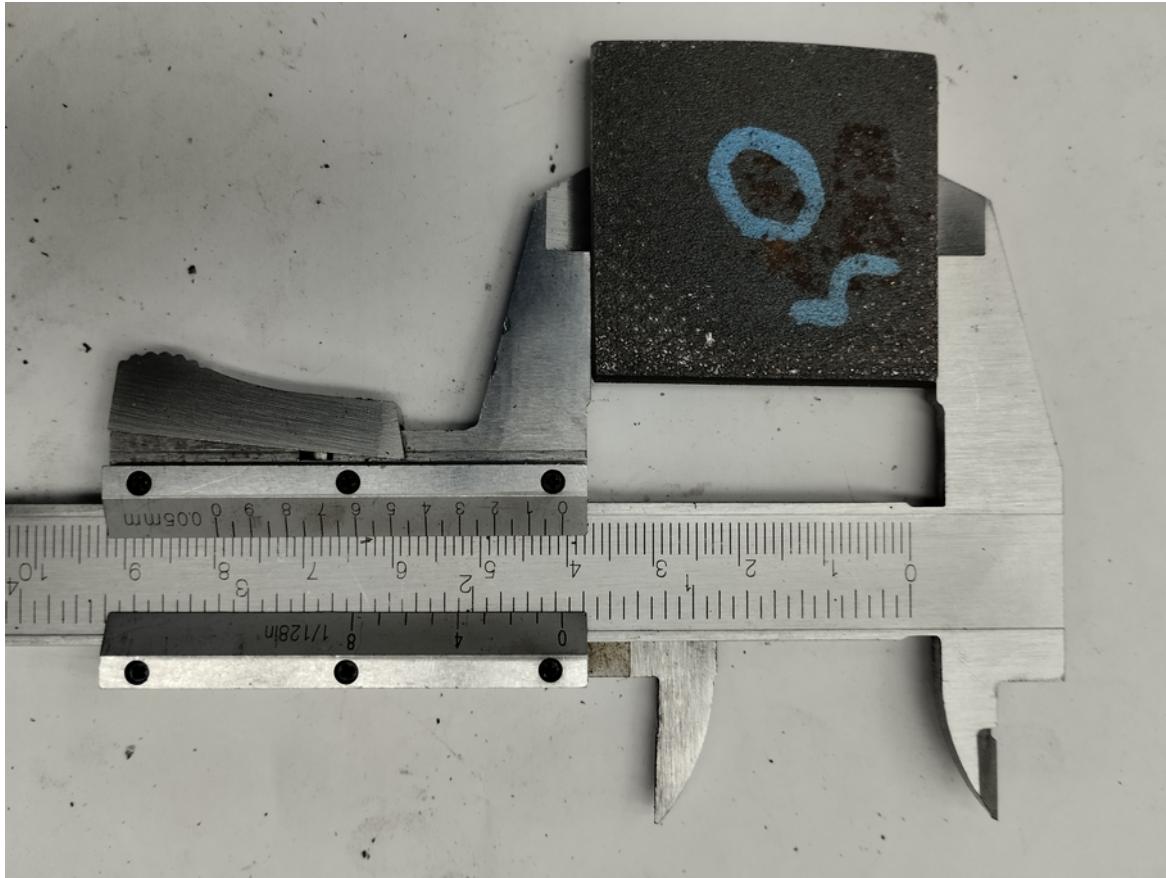


Foto 8-8

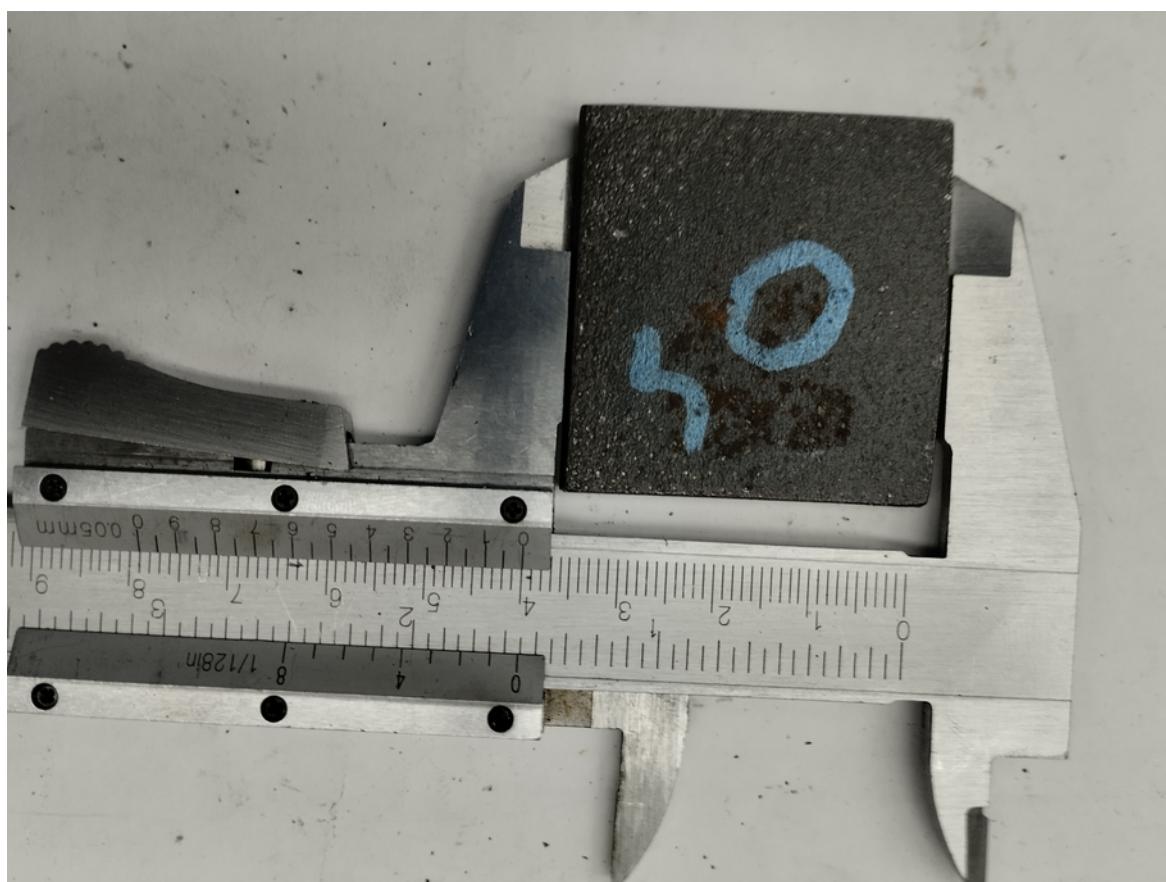


Foto 8-9

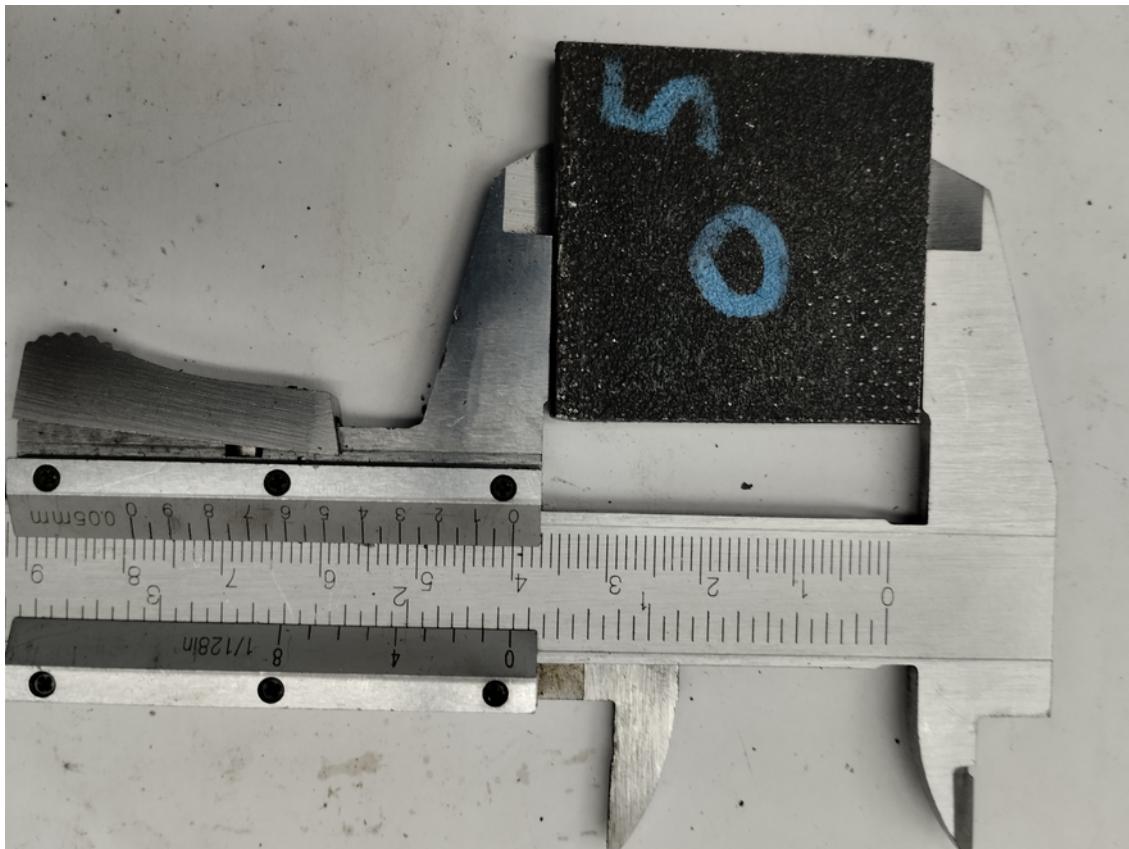


Foto 8-10

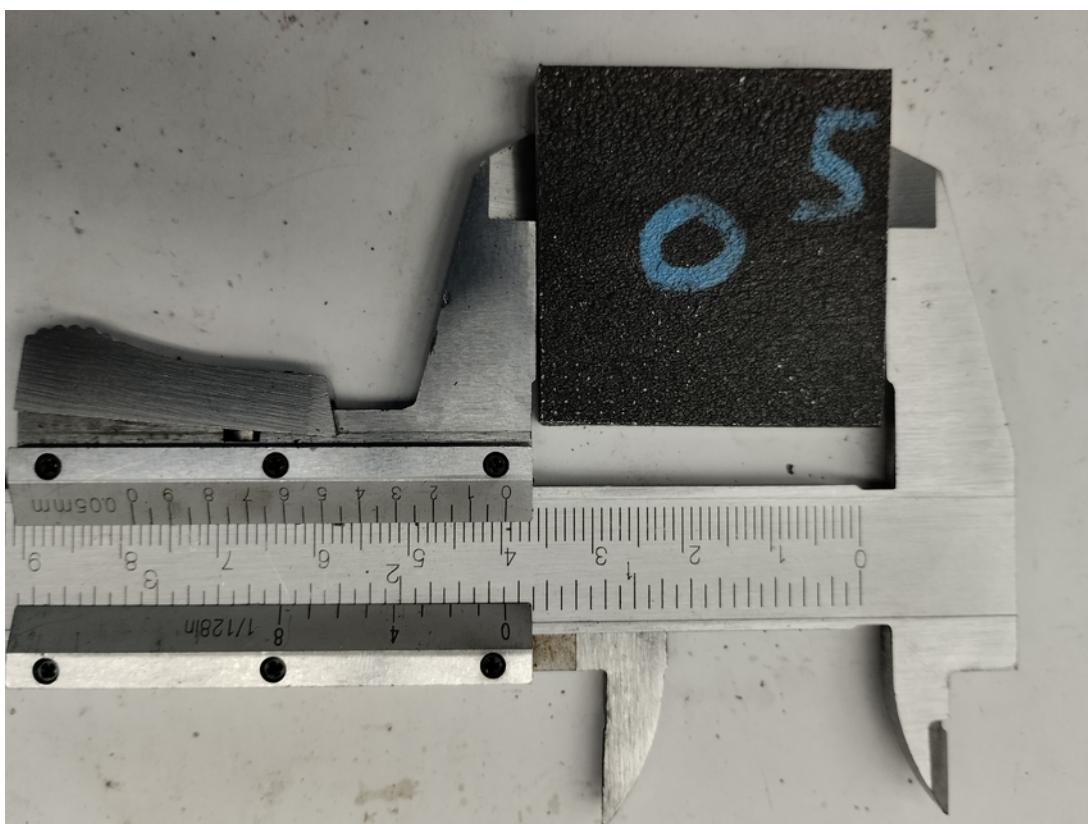
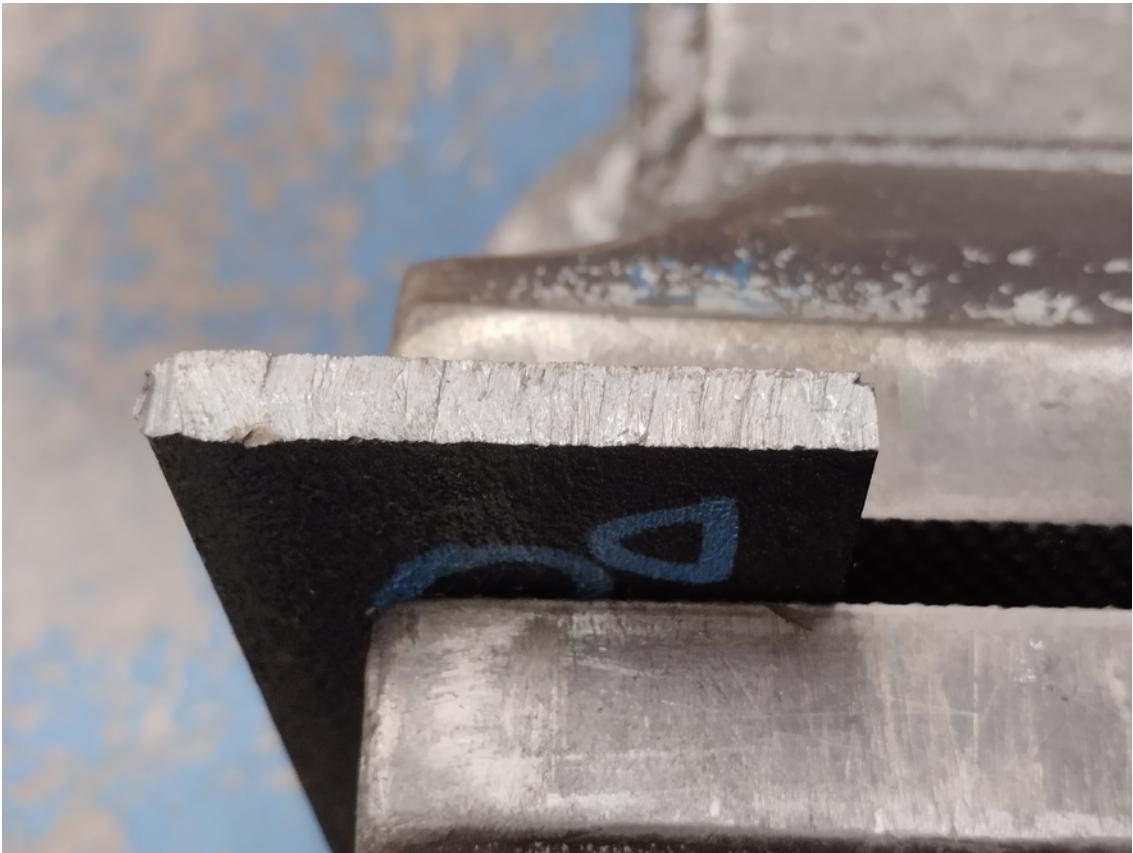


Foto 8-11

Foto 8-12

Abans de llimar (tall amb serra d'arc)



Després dellimar

