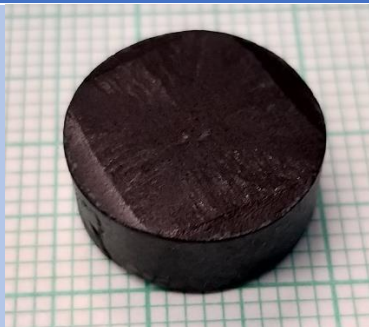
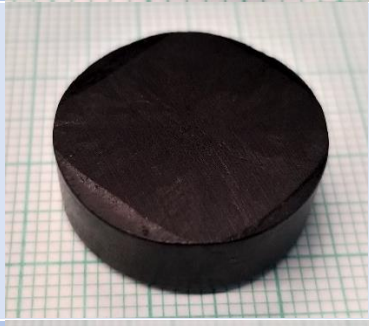
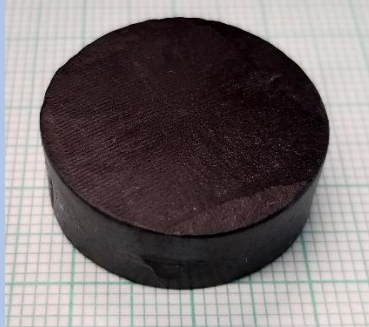


YBCO Small Levitation Discs Datasheet (CSYL-14, CSYL-21, CSYL-25)

Small disks - Parameters				
CSYL-14		Diameter	14 ± 0.7	mm
		Height	6 ± 0.1	mm
		Mass	6 ± 1	g
		Levitation force (std)	20-25	N
		Levitation force (min)	20	N
		Trapped field (std)	0.7	T
		Trapped field (min)	---	---
		CSYL-21		Diameter
Height	8 ± 0.1			mm
Mass	17 ± 2			g
Levitation force (std)	45-55			N
Levitation force (min)	40			N
Trapped field (std)	0.8			T
Trapped field (min)	---			---
CSYL-25				Diameter
		Height	9 ± 0.1	mm
		Mass	25 ± 3	g
		Levitation force (std)	60-70	N
		Levitation force (min)	60	N
		Trapped field (std)	0.85	T
		Trapped field (min)	---	---

Experimental conditions

- Levitation force**
 Magnet: NdFeB (N52), Ø20mm, h20mm, Zero field cooling
 77 K – liquid nitrogen, 0.2 mm/s feed rate
- Trapped field**
 External field 1.8 T, Field cooling, 77 K – liquid nitrogen
 1 mm above surface (mapping), Handheld probe for peak value
 Calibration of Hall sensors for 77 K

Small disks – examples of measurements

