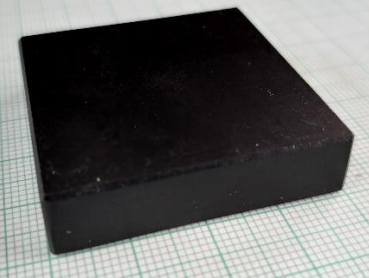

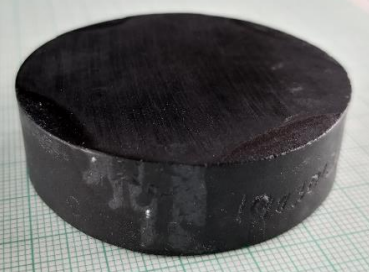


Datasheet YBCO Large Levitation Disks and Square (CSYL-404010, CSYL-50, CSYL-56)

Large disks - Parameters				
CSYL-404010		Dimensions	40x40x10 ± 0.1	mm
		Height	10 ± 0.1	mm
		Mass	95 ± 5	g
		Levitation force (std)	220-250	N
		Levitation force (min)	200	N
		Trapped field (std)	1.1	T
		Trapped field (min)	0.9	T
CSYL-50		Diameter	50 ± 1.7	mm
		Height	15 ± 0.1	mm
		Mass	170 ± 10	g
		Levitation force (std)	310-330	N
		Levitation force (min)	300	N
		Trapped field (std)	1.2-1.3	T
		Trapped field (min)	1.0	T
CSYL-56		Diameter	56 ± 2	mm
		Height	16 ± 0.1	mm
		Mass	225 ± 15	g
		Levitation force (std)	340-360	N
		Levitation force (min)	330 (400#)	N
		Trapped field (std)	1.3-1.4	T
		Trapped field (min)	1.1	T

Experimental conditions

- Levitation force**
 Magnet: NdFeB (N52), cube 40 mm, Zero field cooling
 77 K – liquid nitrogen, 1.5 mm/s feed rate
 # NdFeB (N52), cube 50 mm
- Trapped field**
 External field 2.0 T, Field cooling, 77 K – liquid nitrogen
 1 mm above surface (mapping), Handheld probe for peak value
 Calibration of Hall sensors for 77 K

Large disks – examples of measurements

