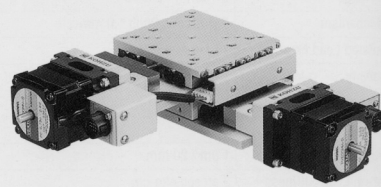
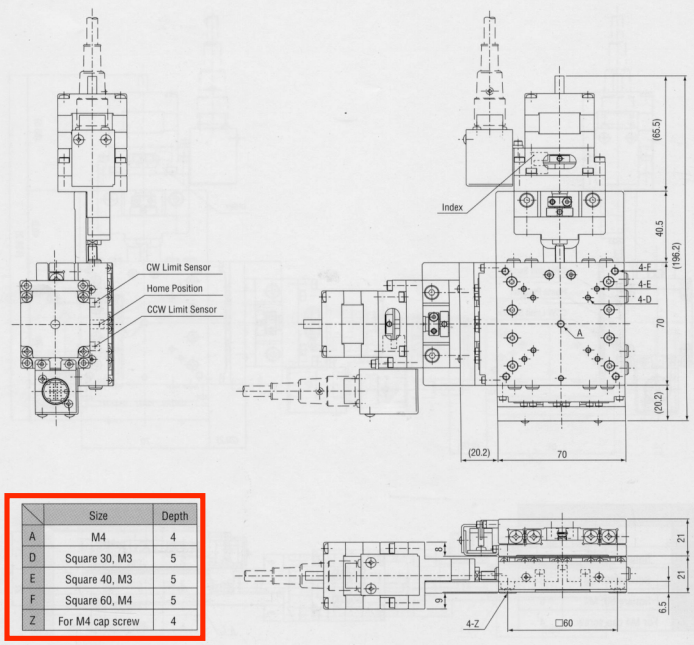
Table Size	70 mm × 70 mm
Guidance Mechanism	Precision Crossed Roller
Motion Range	± 10 mm (2 axes)
Lead Mechanism	Ground Screw, Pitch 0.5 mm
Accumulated Lead Error	10 μm / 20 mm
Repeatability	± 0.5 μm
Backlash	1 μm
Lost Motion	1 μm
Straightness	1 μm / 20 mm
Momentum Load Stiffness	2 arcsec / kg-cm
Maximum Speed	2.5 mm / sec
Load Capacity (Horizontally)	9 kg
Material	Steel
Finish	Chromium Mat Plating
Weight	2.4 kg
Perpendicularity	90° ± 20 arcsec

Conversion spacer-see p. 281, 282



Actuator	5-phase stepping motor (1000 p / rev)
Resolution	0.25 μm / step (Half Step Mode)
Connection	Type "A1" (see p. 272)
Cables	Type "CB" (see p. 275)

a)



	Size	Depth
A	M4	4
D	Square 30, M3	5
E	Square 40, M3	5
F	Square 60, M4	5
Z	For M4 cap screw	4

b)

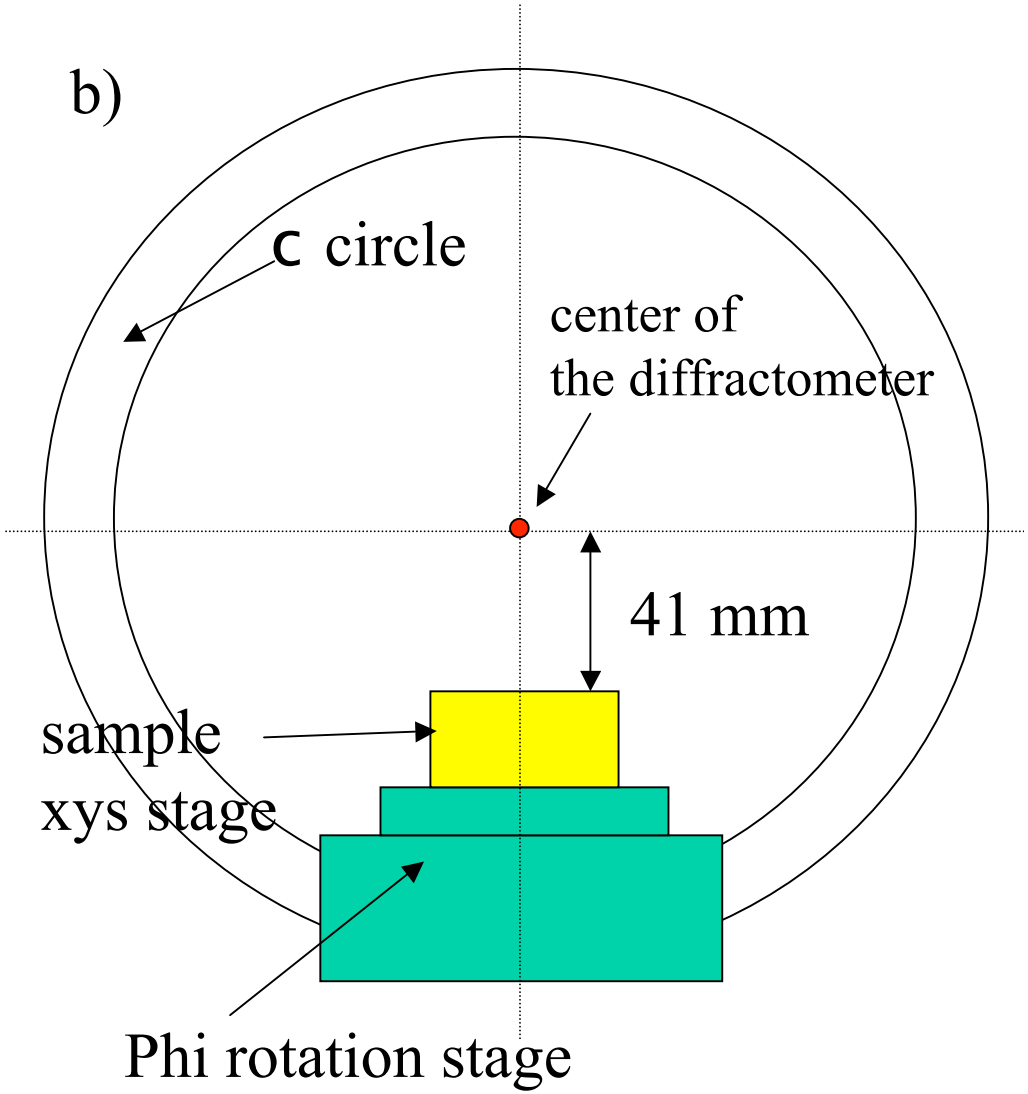


Fig. 2: a) sample xy stage attached to Huber 4-circle diffractometer. Use the screw pattern for mounting of sample holder to the xyz stage b) geometric constrain for the sample holder. This needs to be followed to "center" the sample in the diffractometer