Dispersive glasses for strectching laser pulses in TeWaTi Lab, Production of optical beams and slabs

ALL surfaces are optically polished except marked as ,frosted':=fine grinded

- Cleanliness: 10-5 (S-D) for all optical surfaces
- Flatness: minimum L/5@632nm (L/20 best effort expected)
- Parallelism 30' (coated S) or 60' (uncoated S)
- Tolerances: normal according to ISO10110
- Clear aperture better to be 90% at least
- Mechanical attributes (incl. optical surfaces) as follows:

Complete set of optics	
#item	QTY (pcs)
01. BEAM P-SK57 or equivalent	1
02. SLAB N-BK7 Grade1	1

Associated LASER parameters

- Central wavelength: 795nm
- Bandwidth (full width at half maximum): 50 nm
- Bottom-bottom spectra: 700-900nm
- Pulse energy: typical: 2mJ, occasional: 3 mJ
- Pulse duration: typical: 25 fs, occasional: 18fs
- Beam diameter (clear perture): 40 mm
- Beam profile: supergaussian (exponential: ~4)

Task 1) BEAM

Material: P-SK57 or equivalent



