<http://www.rp-photonics.com/numerical_aperture.html>

For a [single-mode fiber](http://www.rp-photonics.com/single_mode_fibers.html), the NA is typically of the order of 0.1, but can vary roughly between 0.05 and 0.4. [Multimode fibers](http://www.rp-photonics.com/multimode_fibers.html) typically have a higher numerical aperture of e.g. 0.3. Very high values are possible for [photonic crystal fibers](http://www.rp-photonics.com/photonic_crystal_fibers.html).

for normal SMF, NA=0.171