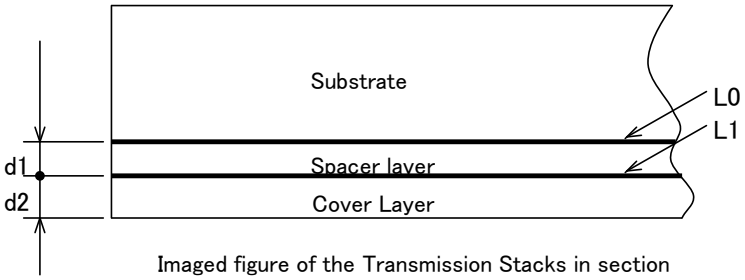
【Technical data】 **ABD-540CS90/ -540CS110**

1. The Thickness of the Spacer Layer and the Cover Layer

unit: μm

	ABD-540CS90	ABD-540CS110	BD Specifications
The Spacer Layer (d1 of the figure)	20 +3/ −0 ※1	30 +0/ −3 ※1	20～30
The Cover Layer (d2 of the figure)	70 +3/ −0 ※1	80 +0/ −3 ※1	70～80
Transmission Stack 0 (d1+d2 of the figure)	90 ～ 96	104 ～ 110	95 ～ 105

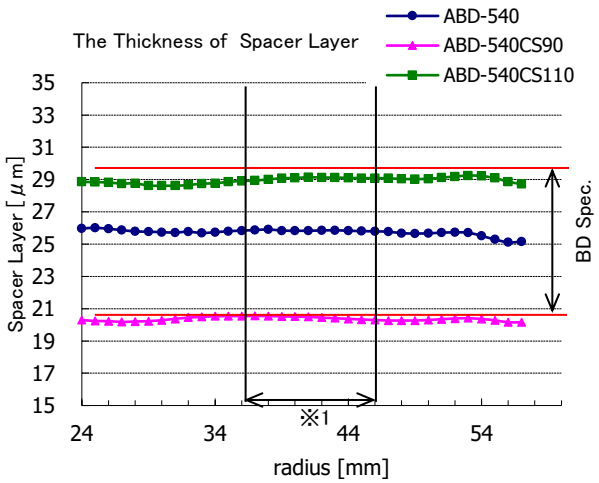
※1 R35.0 to R45.0mm, corresponding chapters are No. 6 to 9 on L0, No.24 to 27 on L1.
The thicknesses of other than area, except Transmission Stack 0, are managed by BD Specifications.

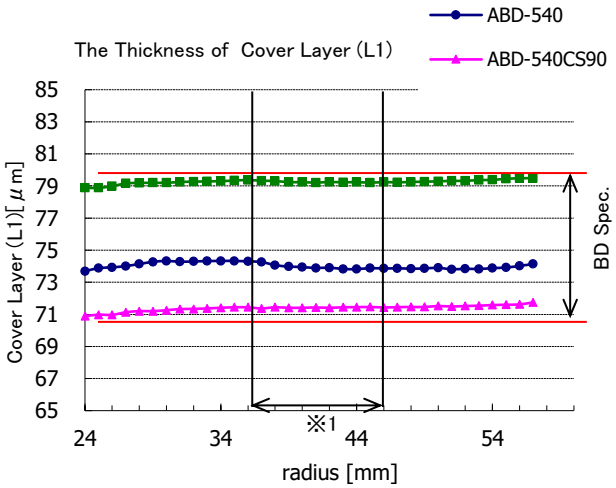


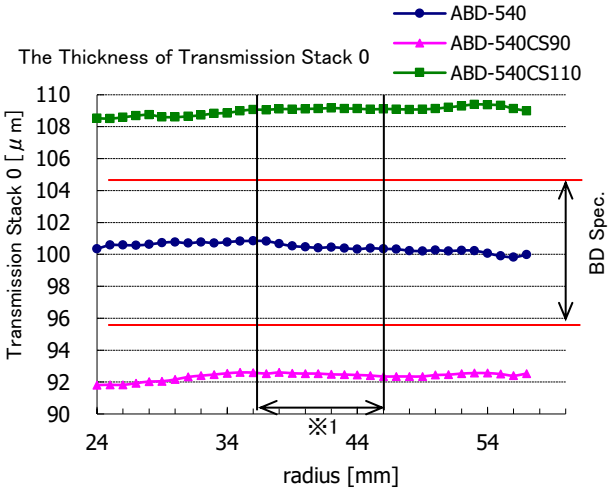
Imaged figure of the Transmission Stacks in section

2. Cover layer thickness, Spacer layer thickness on all circumferences of disc

Thicknesses and distribution (representative value) on all circumference of ABD-540CS90/ -540CS110 are shown below, with ABD-540 base disc of ABD-540CS90/-540CS110 for comparison.







※1 Coverage is R35.0～R45.0mm.

3.Correction for spherical aberration (Beam Expander Characteristic)

ABD-540CS90/-540CS110 are Test BDs suitable for evaluation and adjustment of correction for spherical aberrati (Beam Expander). The graphs below show the best values of Beam Expander (Jitter optimum points) versus respecti cover layer thicknesses of the initial lot of ABD-540CS90/ -540CS110, measured by our Test equipment.

(Values are measured by the equipment ALMEDIO-owned. Beam Expander value is inherent value of the equipment