

VERTICAL DEVIATION TEST BD-R/ -RE

For Checking BD Players, BD Recorders and BD Drives ABD-R520V/ -RE520V Series

1. Purpose of use, Features

These are Vertical Deviation Test Discs designed for confirmation of focus servo ability and evaluation, measurement and adjustment of BD Players, Recorders and Drives.

2. Specifications

- ABD-R520W/ -RE520W are used as a material disc. Please refer to ABD-R520W/ -RE520W Product Introduction for basic parameters.
- The control point of Vertical deviation is the start position of Chapter16 ($\phi 108.9$ mm).
- Eccentricity, Center hole diameter

Eccentricity

ABD-R520V1/ -RE520V1 : $\leq 20 \mu\text{m}$ (0-p)

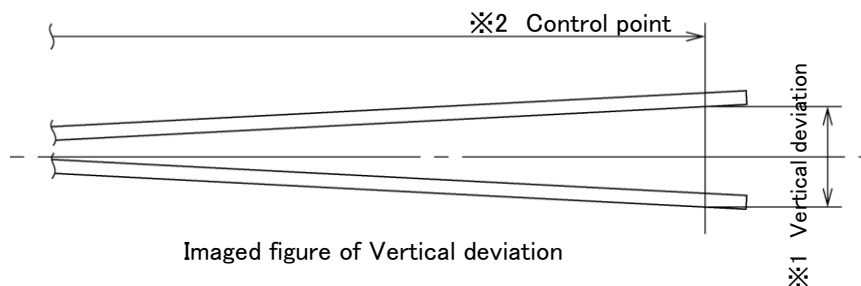
Other than ABD-R520V1/ -RE520V1 : $\leq 10 \mu\text{m}$ (0-p)

Center hole diameter : $15 +0.04/ -0$ mm

| BD-R | BD-RE | Vertical deviation mm ※1 | Control point mm ※2 | |
|------------|-------------|--------------------------|---------------------|---|
| ABD-R520V1 | ABD-RE520V1 | 0.2 ±0.05 | $\phi 108.9$ | |
| ABD-R520V2 | ABD-RE520V2 | 0.3 ±0.05 | $\phi 108.9$ | |
| ABD-R520V3 | ABD-RE520V3 | 0.6 ±0.05 | $\phi 108.9$ | For testing the maximum value specified in BD Specifications. |
| ABD-R520V4 | ABD-RE520V4 | 0.8 ±0.05 | $\phi 108.9$ | |
| ABD-R520V5 | ABD-RE520V5 | 1.0 ±0.05 | $\phi 108.9$ | |

note1) We define Vertical deviation here is the difference between max. and min. shift value of the recorded layer at the control point of $\phi 108.9$ mm in vertical direction when a disc rotating one revolution. Therefore, the Vertical deviation of this table is indicated as p-p. (It is specified the axial run-out shall be 0.3mm max. (0-p) in the BD-R/ -RE Specifications.)

note2) Please be careful not to erase the content from, nor overwrite ABD-RE520V Series.



Values in this sheet are measured by the equipments ALMEDIO-owned. Appearance and specifications are subject to change without notice.

<Proper handling of the disc>

Do not write on the surface with a pen and others, nor put a sticker on it.

Do not expose the disc to direct sunlight, nor leave it in the place of high temperature and high humidity.

After playing, store the disc in its own case.

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