

VERTICAL DEVIATION TEST BD-R/ -RE

For Checking BD Players, BD Recorders and BD Drives ABD-R540V/ -RE540V 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-R540W/ -RE540W are used as a material disc. Please refer to ABD-R540W/ -RE540W Product Introduction for basic parameters.

- The control point of Vertical deviation is the start position of Chapter16 ($\phi 114.8\text{mm}$).

- Eccentricity, Center hole diameter

Eccentricity

ABD-R540V1/ -RE540V1 : $\leq 20 \mu\text{m}$ (0-p)

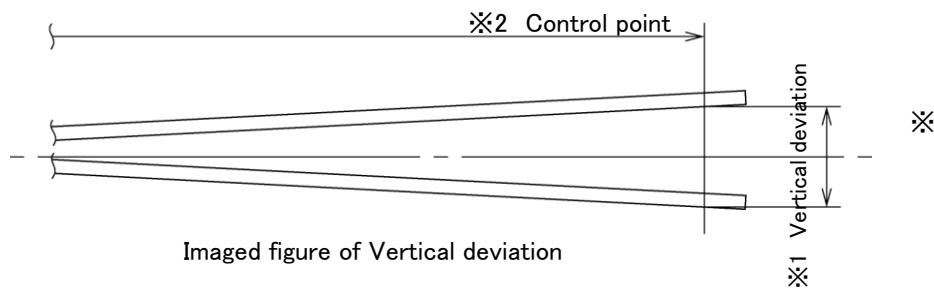
Other than ABD-R540V1/ -RE540V1 : $\leq 10 \mu\text{m}$ (0-p)

Center hole diameter : $15 +0.04/ -0 \text{ mm}$

BD-R	BD-RE	Vertical deviation mm ※1	Control point mm ※2	
ABD-R540V1	ABD-RE540V1	0.2 ± 0.05	$\phi 114.8$	
ABD-R540V2	ABD-RE540V2	0.3 ± 0.05	$\phi 114.8$	
ABD-R540V3	ABD-RE540V3	0.6 ± 0.05	$\phi 114.8$	For testing the maximum value specified in BD Specifications.
ABD-R540V4	ABD-RE540V4	0.8 ± 0.05	$\phi 114.8$	
ABD-R540V5	ABD-RE540V5	1.0 ± 0.05	$\phi 114.8$	

note1) We define Vertical deviation here is the difference between max. and min. shift value of the recorded layer at the control point of $\phi 114.8\text{mm}$ 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-RE540V 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.

ALMEDIO INC.
Sales Headquarters
<http://www.almedio.co.jp>
E-Mail : tm-sales@almedio.co.jp