

# SCRATCHES TEST DVD-VIDEO

## For Checking DVD Players, DVD Recorders and DVD Drives TDV-522/ -522R

### 1. Purpose of use, Features

TDV-522/ -522R are Scratches Test Discs designed for confirmation of various kind of operation, evaluation, measurement and adjustment of DVD Players, Recorders and Drives. It is simulated scratches adhered on the surface of a disc.

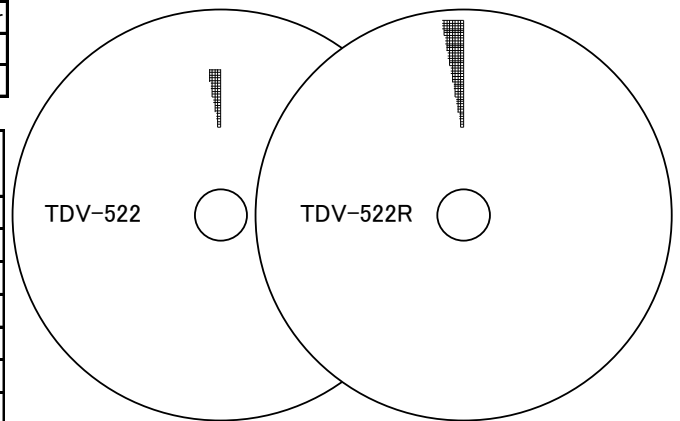
### 2. Specifications

- Missing pieces of information by cuts and dents on the disc surface are simulated by processing scratches.
- Scratches are processed as grid staircase type.
- Scratches of TDV-522 are from 0.9mm to 3.3mm width, it is available to check with respect to each 0.4mm step.
- Scratches of TDV-522R are from 0.9mm to 6.1mm width, it is available to check with respect to each 0.4mm step.
- TDV-520C is used as a material disc. Please refer to TDV-520C Product Introduction for basic parameters.
- Eccentricity, Center hole diameter

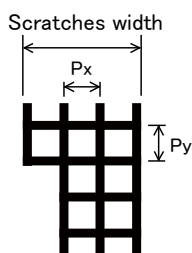
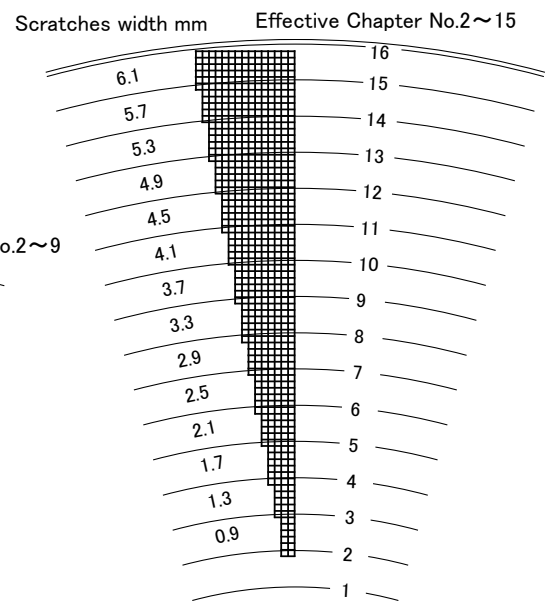
Model Name	Eccentricity	Center hole diameter
TDV-522	$\leq 50 \mu\text{m}$ (0-p)	15 +0.15/ -0 mm
TDV-522R	$\leq 10 \mu\text{m}$ (0-p)	15 +0.04/ -0 mm

#### Effective Chapter

Chapter No.	TDV-522 Scratches width mm	TDV-522R Scratches width mm
1	None	None
2	0.9	0.9
3	1.3	1.3
4	1.7	1.7
5	2.1	2.1
6	2.5	2.5
7	2.9	2.9
8	3.3	3.3
9	3.3	3.7
10	None	4.1
11	None	4.5
12	None	4.9
13	None	5.3
14	None	5.7
15	None	6.1
16	None	None

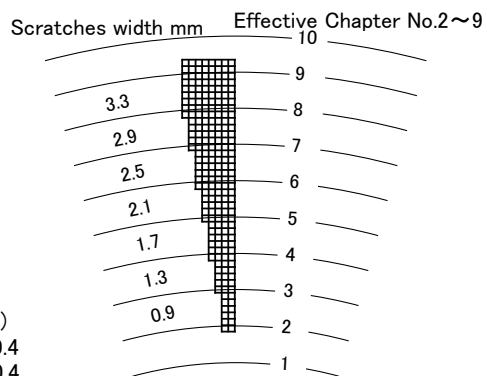


Imaged figure of Scratches (Read-out surface)



Clearance of each Grid (mm)  
 tangential direction :  $P_x=0.4$   
 radial direction :  $P_y=0.4$

Details of Scratches



TDV-522

Location of Scratches and Chapters

TDV-522R

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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