

Thema: Voreilung 1mm, 2mm

Quelle: <https://www.bing.com/search?q=record+with+a+pitch+of+2mm>

A **1mm pitch record** is a specialized vinyl disc with grooves spaced **1mm apart**. These records are used for specific adjustments in turntables, particularly during **servo offset and gain calibration**. Let's delve into the details:

1. **Purpose:** The primary purpose of a 1mm pitch record is to help technicians calibrate turntables. It aids in adjusting the servo circuitry to ensure accurate tracking and playback.
2. **Groove Spacing:** The grooves on a 1mm pitch record are precisely 1mm apart. When the turntable's tone arm moves along these grooves, it covers a distance of 1mm per revolution.
3. **Adjustment Procedure:**
 - 3.1. **Servo Offset:** The offset voltage (V) should be set to **0.6V** when playing a 1mm groove record. This adjustment ensures that the stylus tracks correctly.
 - 3.2. **Gain Calibration:** Adjusting the gain involves turning specific trim pots (such as R301 and R302) until the desired voltage levels are achieved. For example, setting R302 to **0.72V** on a digital multimeter (DMM) while the needle is dropped without touching the record.
4. **Availability:** The 1mm pitch record was originally made available to **Technics service stations and independent shops**. Unfortunately, it may not be readily obtainable now unless you happen to come across one by chance.

Remember, this specialized record facilitates precise adjustments, ensuring optimal performance for vinyl enthusiasts and audiophiles.