

# 21348 Distance Rod

- height-adjustable steel connecting rod for satellite systems
- load up to 35 kg
- for flange bushing plug connections, pullout  $\varnothing$  35 mm
- height: 970-1490 mm, weight: 2.2 kg

Thank you very much for selecting this product. These instructions provide the information on all the important assembly and handling steps required for assembly. We recommend that you store a copy of these instructions for future use.

## SAFETY NOTICES

- The load of 35 kg only applies in conjunction with a proper installation of subwoofer and satellite speakers, i.e.:
  - A. level and sustainable surface
  - B. Satellite is to be secured against sideways impact.
  - C. Weight and footprint of the subwoofer must be suitable for carrying the satellite.
 Test: Installation must not tip on a slope max. 5°.
- Ensure functioning speaker material, in particular the mounting adapter must be the correct size and quality.
- Pay attention to the fixed screw connections on the distance rod and flange adapter.
- Safety rail 7 must be installed.
- Unchecked loosening of the clamping screws and the safety rail is not permitted.

## ASSEMBLY INSTRUCTIONS

- Place base rod 3 in flange bushing 1 of the subwoofer
- Close the potential gap between the bushing and the rod with the plastic ring 2
- Affix safety rail 7 by completely inserting the upper pin through the holes 8 of the adjustable rod. The safety rail must run on both sides of the clamp bracket 5.
- Placing clamping screws 4 through the loop of the cord 6 and screw it to the clamp bracket 5.

## USER INFORMATION

### Adjust the height

- Loosen the clamping screw 4 - do not remove completely
- Lift adjustable rod 9 slightly
- Select required height and slot the upper pin of the safety rail 7 in the corresponding slit until it has reached the stop position. Lower the adjustable rod until the safety rail must run on both sides of the clamp bracket 5.
- Re-tighten clamping screw 4.

### Load the stand

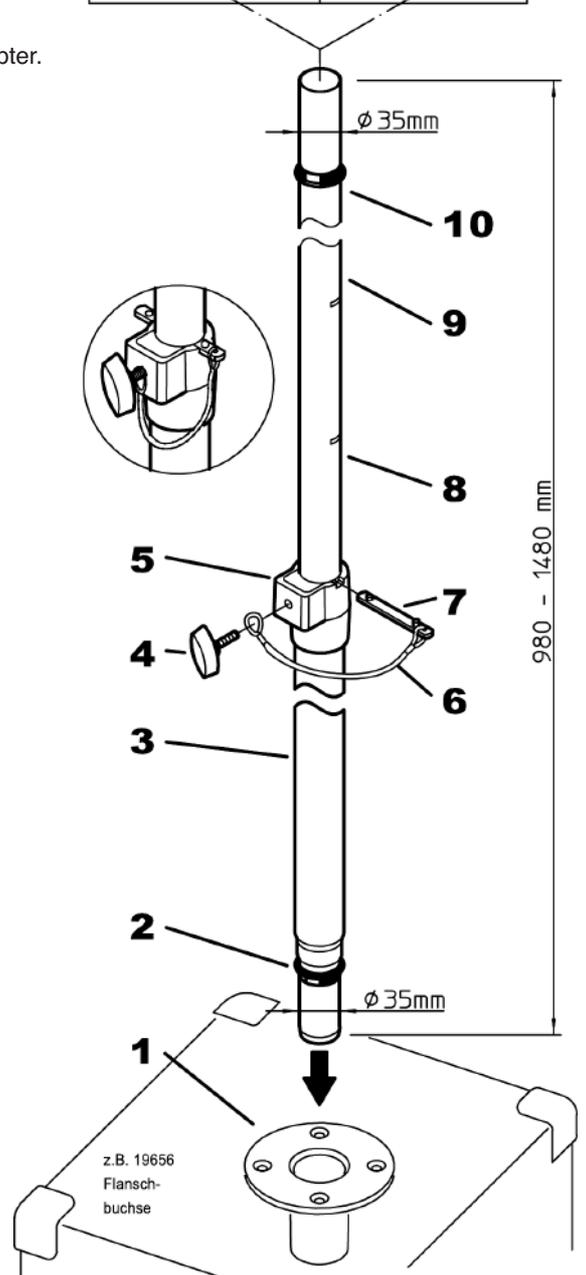
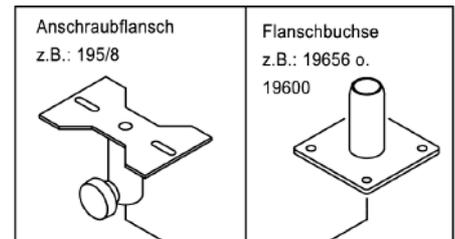
- Check the loudspeaker connection is suitable:  
Diameter of the adjustable rod is 35 mm and fits in the K&M products 195/8 Mounting Flange, 19656 Flange Bushing, etc.
- Place the loudspeaker on the adjustable rod and align
- Close the potential gap between the bushing and the rod with the plastic ring 10

## INSPECTION, MAINTENANCE, CLEANING

- Maintenance is always to be performed when the system is not under strain.
- Check the functioning of the ring locks regularly.
- For cleaning purposes utilize a slightly damp cloth with a non-abrasive cleaning solvent.

## TECHNICAL INFORMATION/SPECIFICATIONS

Material	tube - steel, powder coated, color black screws, rail - steel, galvanized, nickel plated clamp bracket: PA, black
Load	max. 35 kg (if the loudspeaker pair is suitable)
Dimensions	H: 900 - 1480 mm
Package	PE-bag
Weight	2.2 kg
Accessories (optional)	Adapter sleeve 21326: for speaker mounting adapter with 38 mm diameter (= US-Variant)



# Safety data sheet for K&M Distance rods

**These safety instructions are valid for the following articles:**

Plug-in tubes: 21333, 21336, 21338, 21348, 21356

Screw tubes: 21329, 21334, 21337, 21339, 21340, 21347, 21357, 21364, 21367, 21368, 26736

»Ring Lock«: 21360, 21366

## APPLICATION

The following components generally belong to the installation of a distance rod:

1. Base (base plate or subwoofer)
2. Distance rod
3. Load (satellite or similar)

Distance rods do not operate on their own, but only together with a base (base plate or subwoofer).

## SAFETY INSTRUCTIONS

The installation must be adequately protected against the risk of tipping. This is considered to be the case if it meets the test criteria of the standard specification (DIN56950-3). There it says:

The installation is: a. inclined by 5°,  
b. fully extended,  
c. positioned in the most unfavourable position (alignment of the base, load distribution etc.)

In fact, this test setup simulates whether the installation offers sufficient resistance to possible lateral forces.

<b>Cause/increase of lateral forces</b>	<b>Remedy</b> (how they are switched off or minimized)
- Sloping and unstable surface	► Use only level and stable surface
- Excentric loads	► If possible, place the load centrally, otherwise reduce it accordingly
- Air in the plug connection between tube and base	► Use of the K&M 85890 levelling adapter or K&M »Ring Lock« systems
- Unfavourable relationship between base and load	► Generally: lower centre of gravity, i.e. ensure appropriate conditions - anchor base if necessary or weigh it down
- External influences (wind, pushes, etc.)	► provide for protection or distance

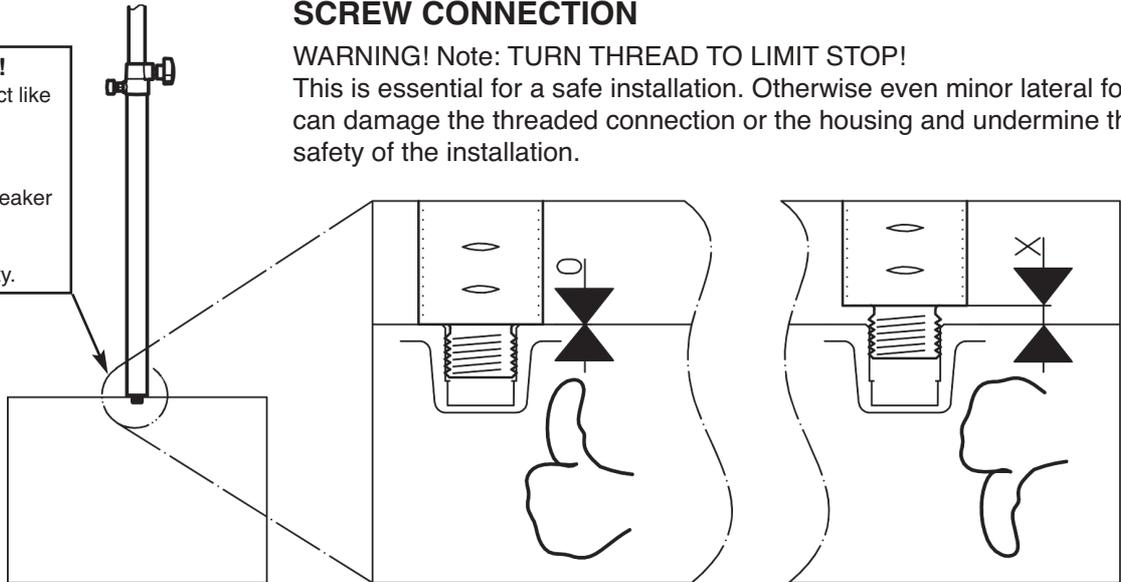
It also depends on the quality and design of the connection between base and distance rod:

- The quality of the sockets and loudspeaker cabinets must be given. Particularly, the effect of lateral forces strains the sockets and boxes.
- Depending on the size of the loudspeaker sockets, the plugged distance rods make more or less "air" available to warrant the mobility of the connection. This allows the tube and satellite to sit at different angles on the subwoofer.
- Distance rods with »Ring Lock« system initially function like plug-in tubes; only the tightening of the locking ring(s) results backlash-free fitting of the tube.
- Distance rods with M20 screw connections must always be firmly screwed on up to the stop (see picture screw connection).

**SCREW CONNECTION**

**WARNING! Note: TURN THREAD TO LIMIT STOP!**  
This is essential for a safe installation. Otherwise even minor lateral forces can damage the threaded connection or the housing and undermine the safety of the installation.

**DANGER ZONE!**  
The distance tube can act like a big lever!  
a. Lateral forces can put extreme strain on the thread and the loudspeaker housing.  
b. This also raises the question of their quality.



**SUMMARY**

König & Meyer does not know:

1. which loudspeaker combination will be used
2. the state of the surface
3. the quality of the loudspeaker sockets and housing
4. the effect of possible lateral forces

For these four reasons, for which we are not responsible, we can define "no general load capacity" for our distance tubes. Rather, the individual load-bearing capacity must be determined:

Compare:

- A) The **design load capacity** – what is the maximal load capacity for this design? (In this case the max. is max. 35 kg).
- B) The **stability load-bearing capacity** – how many kg can it carry under local conditions before it tilts (? kg - passing the 5° tilting test on site).  
- Attention: Ensure the safety of the test).

**The lower of the two values applies.**

This almost always corresponds to the maximum load determined in the 5° tipping test, but not more than max. 35 kg!

**LOAD EXAMPLES**

