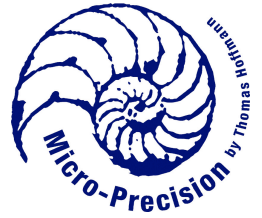


# Technical information

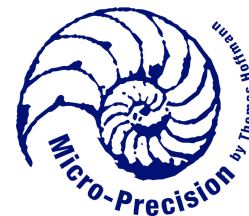


2012. The year of refined technology  
New standards set by Micro-Precision



Music is a strong force.  
Music can change your life,  
Music can start a revolution.  
Music can bring you down,  
Music can make you understand.  
Music can make you laugh.  
Music can cause tears.  
Music let's you know.. You are alive !

# Technical information



## Micro Precision 5.16 MK II Basselement

### History :

The 5.16 Basselement was the first Micro-Precision product. It was constructed in 1999 to solve a lot of installation problems. The production is not changed since 1999 because the product is successful and installers all over the world love to know the result before install.



### Details :

1. Widerange to have perfect coupling to tweeter
2. A lightweight, open basket for best venting.
3. The Magnet does not eliminate venting because of „oversize“.
4. Magnet is vented and coppered inside.
5. Glassfiber membrane is strong and has no soundcoloration.
6. Perfect parameters for installation in doorpanels.

## Technical Data

Height total [mm]	70	FS	52 Hz
Outer Diameter [mm]	170	Moving Mass	11 gramm
Cutout Diameter [mm]	145	Impedance	4 Ω
Interior Depth [mm]	65	Power handling	70 W.
Drillcircle [mm]	162	Voicecoil	GF
Basket	Magnesium	Voicecoil diameter	25 mm
		Membrane	Glasfiber
		Recommended Filter	40 - 5.000 Hz.
Weight	1.4 Kg / Pair	Update :	07-2011

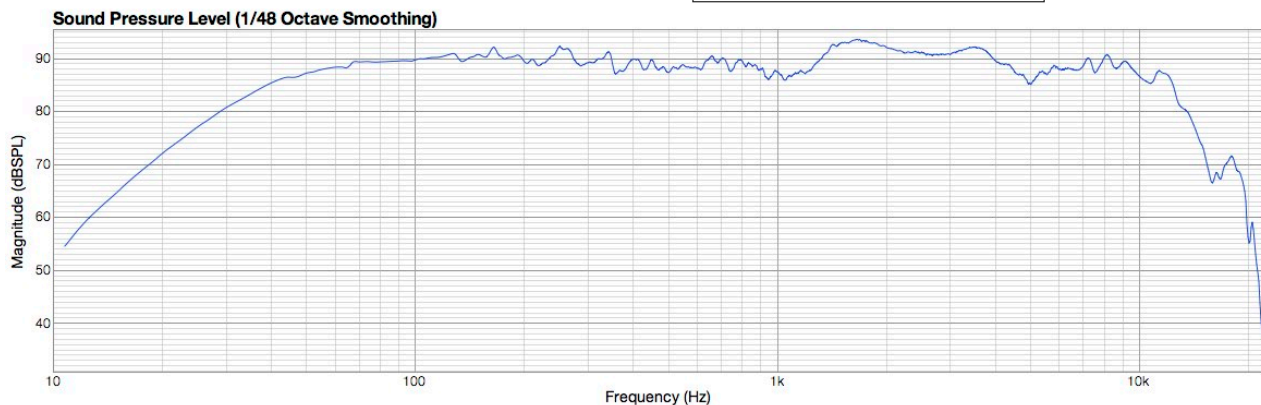
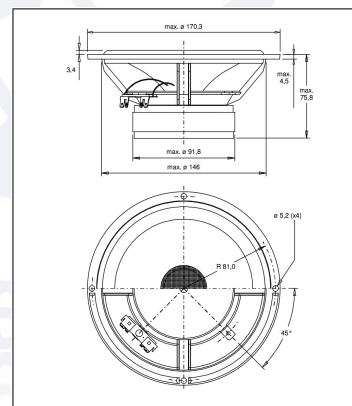
# Technical information



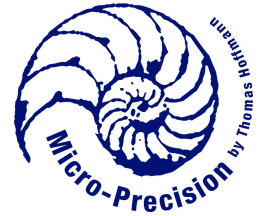
## Micro Precision 5.16 Basselement

Measure		Unit
Re	3,09	$\Omega$
Fs	52	Hz.
Qes	1,01	-
Qms	4,93	-
Qts	0,83	-
Le	0,20	mH.
VAS	21,13	Liter
Mms	11,07	Gramm
Cms	844	$\mu\text{M}/\text{Newton}$
Eff.	87	1W. / 1M.
Diam	130	mm.
Rms	0,73	R

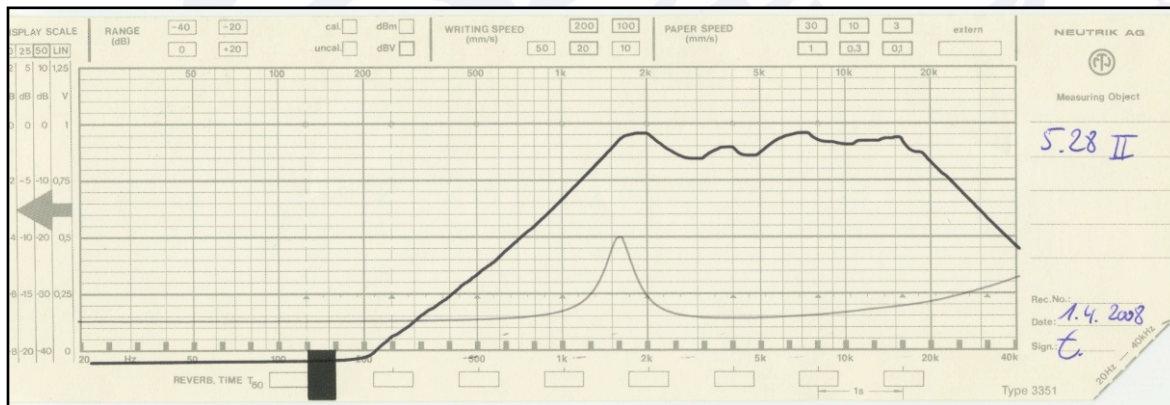
Liter	Q	f3
1	1,6	143
2	1,4	108
5	1,1	79
10	0,9	67
20	0,8	61
100	0,7	57
200	0,67	57
Vented	D/L cm	f3
90	7/10	25
	10/25	



# Technical information



## Micro Precision 5.28 & 5.28 o.R. MK II Tweeter

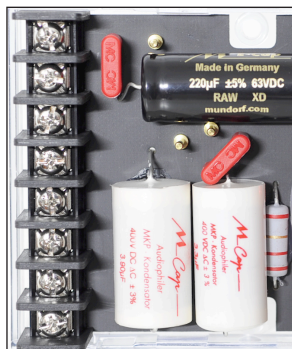
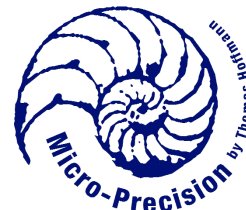


Level	Ohm
	0
-1,5	1
-3,1	2
-4,2	3
-5,3	4
-5,9	5
-7,1	6
-7,8	7
-8,3	8

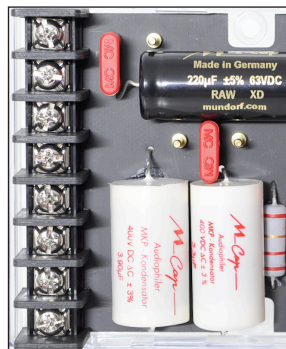
### Technical Data

Height total	29 mm	FS	1400 Hz
Outer Diameter	56 mm / 45 mm	Sensitivity	90 dB 2,83V/1m.
Cutout Diameter	43 mm	R-DC	3,2 Ω
Interior Depth	14 mm	Power handling	60 W
Drillcircle	49 mm / 120 deg.	Voicecoil	Aluminium
		Voicecoil diameter	28 mm
		Membrane	Coatet Silk
		Recommended . Filter	3000 Hz / 6dB
Weight	0.150 kg / Pair		

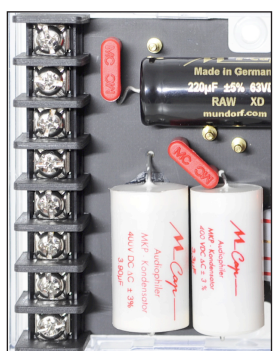
# Frequenzweiche Serie 5



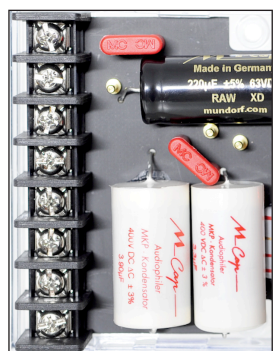
Full tweeterlevel. Factoryset.



-2 dB tweeterlevel.



-4 dB tweeterlevel.



-4 dB tweeterlevel.  
Highpass activated.

## Configuration of the "Micro Precision" crossover series 5.

Epoxyresin circuitboard, glass-fiber reinforced with 75  $\mu\text{m}$  cu (doubled edition). Layout with short signal guidance. Aircoil with 1,4 mm of wire strength for maximum dampingfactor and low loss. Adapted phasecorrection for "5.16 Basselements".

Mundorf MKP condenser with only 3% tolerance for the tweeters. Levelcontrol for tweeters and subsonicfilter/phaseshifter on board.

## Attach the "Micro Precision" crossover "Series 5".

1. Connect the outputs of the signal source (radio or amplifier) with 1(+) and 3(-). **Make a cablelink from 1 to 6 for the separate tweeterinput.** Pay attention when thick cables are used, that no contact with other clamps exist.

2. Connect the 5.16 Bass-midrange with clamp 2(+) and 4(-). To activate the 6 dB highpass please move the jumper near the 220 uF cap in vertical position. This would change the phase to the sub and reduce at the same time the subsonics from the signal. Also for -Trimode- very helpfull

3. Connect the S7 or S5 tweeters with clamp 5 and 8. If the tweeter is to loud, please use the jumper around the pre-resistor to activate the damping. The right jumper is 0dB, the one in the middle is -2dB and the left one -4 dB. Factoryset is 0dB.

**For a higher crossoverpoint use clamp 7.** This is helpfull when the tweeters have to much energy.

Please they exchange the polarity of the tweeter to determine which version a better result in.

