

ENA 165.2

20 mm TWEETER · COMPONENT SYSTEM



The tweeter of the **ENA 165.2** uses a 20 mm silk dome with a neodymium magnet and runs in parallel with the midwoofer through a 3.3 µF series capacitor. Three mounting options are supplied with each tweeter: an angled surface housing, a straight surface housing and a flush-mount kit for a 45.5 mm hole (e.g. A-pillar or dashboard) that sits tightly in the hole. The angled housing is screwed on face B; the tweeter can be aimed inside it.

MEASURED DATA AND SPECIFICATIONS

Electrical

DC resistance	R_{dc}	3.53	Ω
Nominal impedance	Z_N	4	Ω
Resonance frequency	f_s	≈ 2.7	kHz
Impedance at resonance	Z_{max}	4.2	Ω
Power handling RMS in the system		30	W
Power handling max. in the system		60	W

Crossover

Series capacitor	C	3.3	µF
Slope		6	dB/octave
Crossover frequency, electrical		≈ 12	kHz

Construction

Dome	Silk		
Dome diameter	20	mm	
Magnet	Neodymium		
Voice coil diameter	13	mm	
Weight without mounting parts	36	g	

Flush mounting · press fit

Hole diameter	45.5	mm
Depth behind the collar	19	mm
Outer diameter front ring	54	mm
Front ring protrusion	3	mm

Angled surface housing

Largest outer diameter	45.8	mm
Top opening diameter	38	mm

Angled · face A

Support face diameter	32.5	mm
Height, high / low side	33.5 / 24	mm
Fixing	not used	

Angled · face B

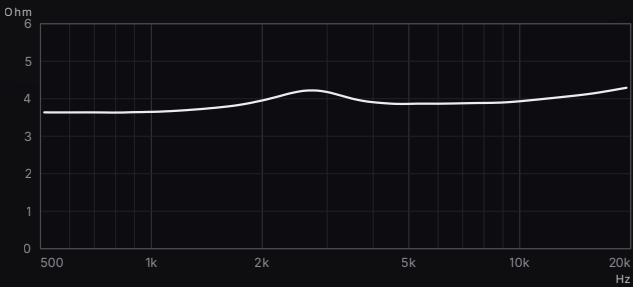
Support face diameter	25	mm
Height, high / low side	42 / 16	mm
Fixing	2 screws	
Screws	Ø 3.8 × 20	mm
Hole spacing	15	mm

Straight surface housing

Base diameter	41	mm
Height with tweeter	22.5	mm
Hole spacing	23	mm
Cable recess	11 × 14	mm

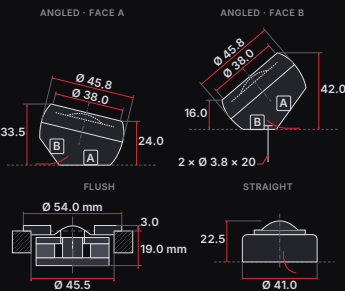
IMPEDANCE

without capacitor



DIMENSIONS

dimensions in mm



■ Power handling applies to operation in the system with the supplied series capacitor.

■ Angled housing: screwed on face B only (2 × Ø 3.8 × 20). The cable exits at the edge between faces A and B.