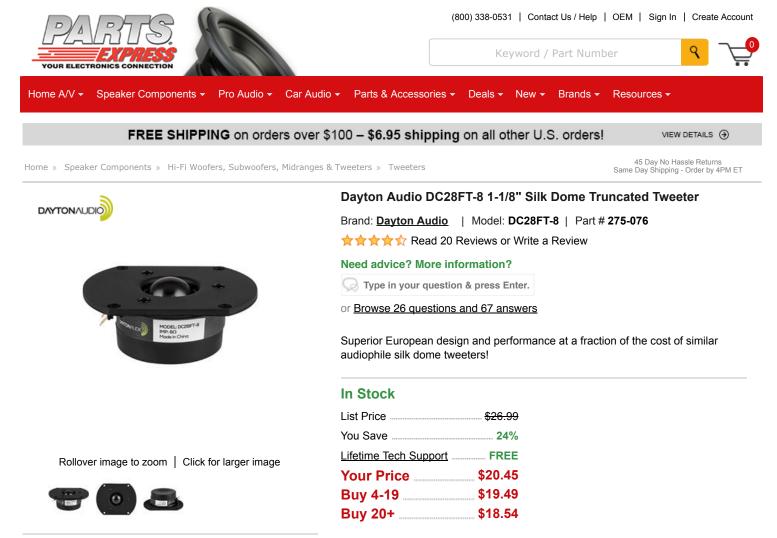
#### Dayton Audio DC28FT-8 1-1/8" Silk Dome Truncated Tweeter



## **Customer Photo Gallery**

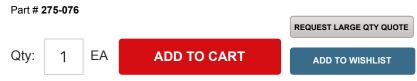


### Manuals & Resources



Dayton Audio DC28FT-8 Specifications

Dayton Audio Manufacturer Warranty



### Highlights

- Same performance specs as the popular DC28F "Silkies"
- Truncated faceplates permit close driver spacing
- · Damped rear chamber makes low crossover points possible
- · Treated silk dome offers smooth response with airy highs
- Matches or exceeds the performance of many high-dollar tweeters
- Extremely popular for DIY projects; used in many designs
- Great replacement for the Dayton DC28FST-8 1-1/8" Silk Dome Truncated Shielded Tweeter



## **Frequently Bought Together**



# Why Customers Chose This

- f price/performance looks good on paper, on/off axis response, power handling, dia for polar response compromise, truncate mounting plate – John D, purchased Aug 7, 2017
- I was referred to this product by two audiophile friends of mine, to replace damaged tweeters for a pair of Technics SB-CR77's I recently acquired. – James R, purchased Apr 17, 2017
- I purchased this item to upgrade the tweeters in an existing speaker pair. –Erik G, purchased Jul 26, 2017
- **Great tweeter great price** -STEVEN S, purchased Apr 8, 2017
- Looks to be a very close match, (size and specs) to B&W TP-26 tweeters. Hopeful. – Michael B, purchased Jul 26, 2017

Read More (23)

good price -seth t, purchased Mar 31, 2017

## **Product Details**

### Dayton Audio DC28FT-8 1-1/8" Silk Dome Truncated Tweeter

Superior European design and performance at a fraction of the cost of similar audiophile silk dome tweeters! Clinically tested and compared to Morel with amazingly similar results! Recommended for crossover points as low as 1800 Hz!

#### **Product Specifications**

Tweeter Type	Soft Dome
Cone / Dome Diameter	1-1/8"
Impedance	8 ohms
Power Handling (RMS)	50 Watts
Frequency Response	1,300 to 20,000 Hz
Sensitivity	89 dB 1W/1m

### Thiele-Small Parameters

Resonant Frequency (Fs)	834 Hz
DC Resistance (Re)	5.4 ohms
Voice Coil Inductance (Le)	0.09 mH
Mechanical Q (Qms)	0.81
Electromagnetic Q (Qes)	1.33
Total Q (Qts)	0.50

### Mounting Information

Overall Outside Diameter	4.33"
Cutout Diameter	2.91"

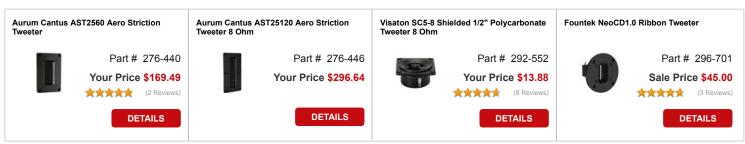
Depth

1.54"

Dayton Audio DC28FT-8 1-1/8" Silk Dome Truncated

Tweeter			
Brand	Dayton Audio		
Model	DC28FT-8		
Part Number	275-076		
UPC	844632069680		
Product Category	Tweeters		
Unit of Measure	EA		
Product Rating	(20 Reviews)		
Weight	1.25 lbs.		
California Prop 65	Warning: California residents only. Please note per Proposition 65 that this product may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.		

## **Similar Products**



View similar products to the Dayton Audio DC28FT-8 1-1/8" Silk Dome Truncated Tweeter in the <u>Tweeters</u> product category.

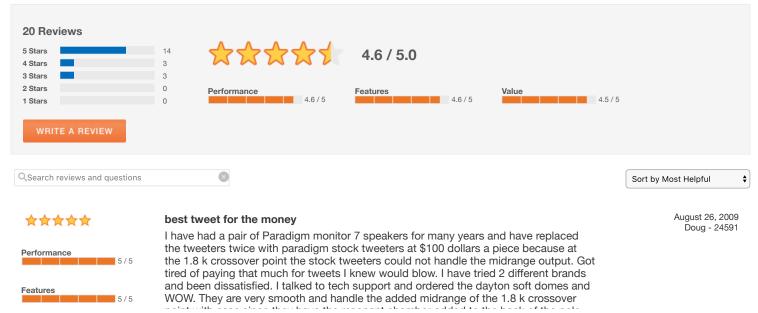
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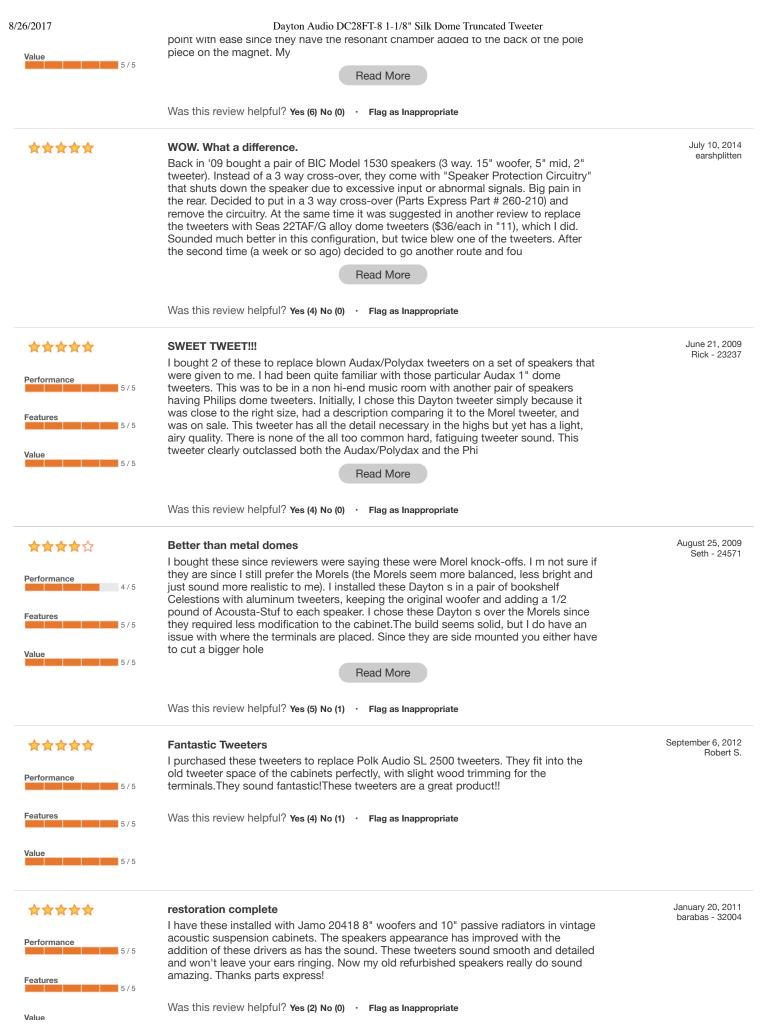
### **Reviews**

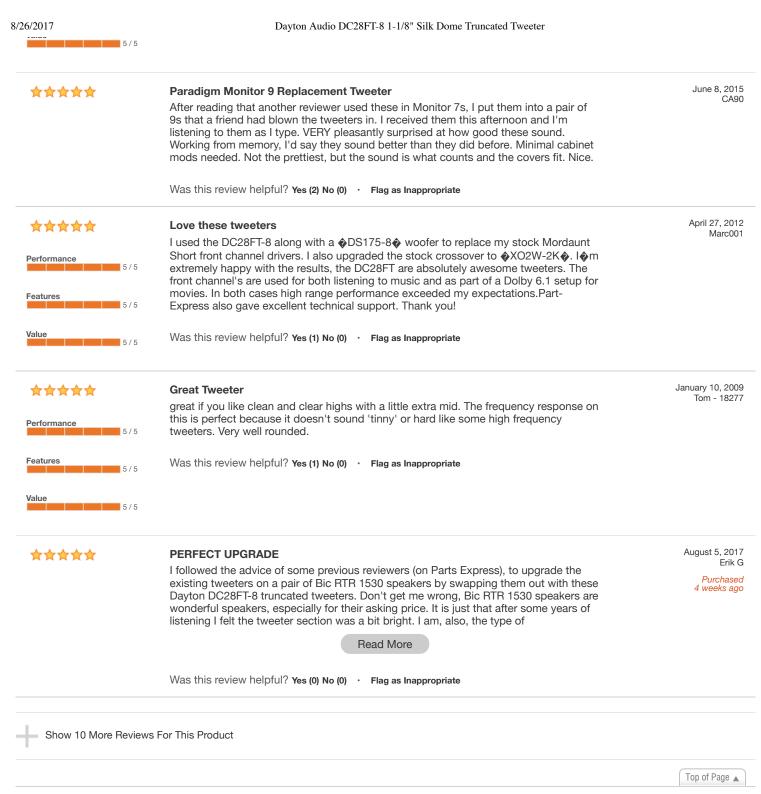
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## **Product Q&A**

Get your questions answered from other customers who own this product or have experience with it. If your question requires design or troubleshooting information, please email tech@parts-express.com for a prompt reply.

### Dayton Audio DC28FT-8 1-1/8" Silk Dome Truncated Tweeter

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price/performance looks good on paper, on/off axis response, power handling, dia for polar response compromise, truncate mounting plate John D on Aug 7, 2017	I purchased this item to upgrade the tweeters in an existing speaker pair. Erik G on Jul 26, 2017
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lichael B on Jul 26, 2017	James R on Apr 17, 2017

I am planing to build a 3-way cabinet with 2x Dayton DC160-4 woofers, 1x FaitalPRO 6FE100 midrange and 1x Dayton DC28FT-8 tweeter. The woofer section will be 1.35 ft3 ported and tuned at 35hz, and the midrange section will be 0.25 ft3 sealed with some polyfill.

For those drivers, crossover points of 300hz and 3000hz with 2nd order Butterworth slopes looked ideal to me, so I designed a 3-way crossover of my own with metalized polypropylene caps and air core coils.

Now, my question is, is this cheap prebuilt crossover going to make a noticable diference than the one I designed, and more importently, is a 375Hz crossover point to high for the 8" woofers ? With low cost drivers such as those, is it even worth it to build my own crossovers, considering the components add up to almost the same cost as the 8 drivers ?

Anyways, thank you very much for your support. This is my first project so if anything is obviously wrong, fell free to let me know. Thanks you, have a nice day !

hugo t on Jun 29, 2016



BEST ANSWER: i'm guessing the high en is pretty harsh. but how did it turned out?

Reply · Inaccurate · Ghin H on Jul 23, 2016

Add Answer 🕠 崏 I Have This Question Too (4)

#### Hello,

If I follow the speaker box size of 1.2cubic feet and build an enclosure of 2.4 cubic feet for two of these woofers tuned to 28hz, will there be over excursion problems or will it be fine? I was going to use the Dayton 1/18 tweeter so I could cross it low as possible in a two way. Thank you,

Jared

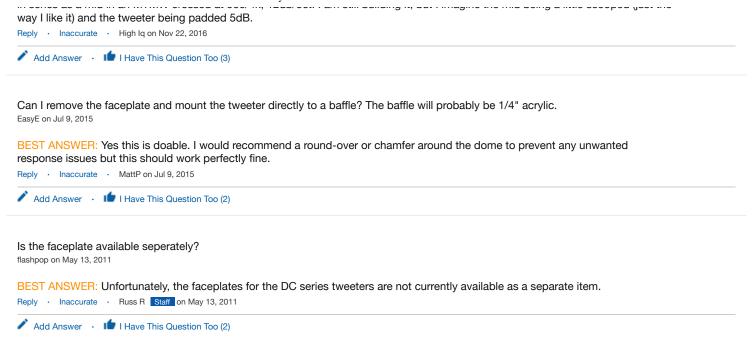




BEST ANSWER: Well, wa' do ya know! I'm building a very similar setup. The enclosure-the volume is spot-on for two woofers, but I would up the tuning freq to about 33Hz to calm those over-excursion problems. Remember, the specs PE gives you are F3 (point at which the setup gives off half power, or the point that your ears can start to notice a rolloff), and you need tuning frequency, or Fb, to calculate the port. Also, watch the polarity of the woofers so they can work together instead of fighting each other.

And the crossover frequency. You might cringe, but I think you need at least a 18dB/oct slope (24dB/oct is preferable) for a good sound. The tweeter, being a tweeter, gets a little moody at low crossover points like this. And the woofer starts to trail off slightly at 1.8kHz, then starts it's breakup at 4kHz-and you really want to hide that breakup.

2.2kHz third-order or 1.8kHz-2.2kHz fourth-order should do it, that was my intension. I actually went all-out and used two FRS8-4's in series as a mid in an MTMW crossed at 900/4k. 12db/oct. I am still building it. but I imagine the mid being a little scooped (just the https://www.parts-express.com/dayton-audio-dc28ft-8-1-1-8-silk-dome-truncated-tweeter--275-076



Could I use this with the Dayton Audio DA175-8 7" Woofer and Dayton Audio DC28FT-8 1-1/8" Silk Dome Truncated Tweeter.

Or would that result in a bump on that region as both are reasonably flat around 1600hz? Would I be better off with a crossover at a higher frequency?

(I'm new to this so I don't quite know what would happen) Anonymousish on Jun 13, 2016



BEST ANSWER: The frequency response of the DA 175 falls off at about 1.7 kHz and the DC28f response falls off below the same point. Your most effective crossover would be between 1.5 kHz and 1.7 kHz. Having two drivers operating at the same frequency won't give you an increase in the output power at the crossover point. The power is divided equally between both drivers at the crossover point.

Reply(1) · Inaccurate · D B on Jun 14, 2016 · Purchased on Jul 21, 2015

V Read All 8 Answers · Add Answer · In I Have This Question Too (1)

Will these fit properly in B&W DM12 enclosures?

I don't have the diminsions of not available original TW26t soberpar on Sep 18, 2013

BEST ANSWER: Its pretty unlikely that these will be a drop in fit, the original tweeter faceplate looks a bit larger that these. Reply - Inaccurate - MattP on Sep 19, 2013

Add Answer 🕠 崏 I Have This Question Too (1)

It says 4.33" outside diameter but since this is the truncated version, what is the dimension across the flat sides? blaine on Oct 3, 2016

BEST ANSWER: It measures 3 and 5/16ths across the flat side.

Reply · Inaccurate · Daniel J on Oct 4, 2016 · Purchased on Jul 1, 2016

✓ Read All 6 Answers · ✓ Add Answer · I Have This Question Too (0)

Eion K on Aug 6, 2017

BEST ANSWER: It is possible since its roughly the same shape, but the bolt holes have a different alignment than your polk audio tweets. Three bolt holes on dayton tweeter as compared to two on the polk. You would have to get the dimensions of the polk tweeter from polk and compare the two. For what its worth this is a great sounding tweet for the money. Just compare all specs of stock ans replacement. It will probably take a little modification, sealing old tweet mounting holes and making new ones. I would think this would actually impove sound quality. Great tweeter

Reply	Inaccurate	STEVEN S on Aug 8, 2017	Purchased on Apr 8, 2017
riepiy	maccurate	01LVLN 0 011 Aug 0, 2017	1 uronaseu on Apr 0, 2017

V Read All 2 Answers · 🖍 Add Answer · 🃫 I Have This Question Too (0)

I want to match this woofer with "Dayton Audio DC28FT-8 1-1/8" Silk Dome Truncated Tweeter" and "Dayton Audio XO2W-3K 2-Way Speaker Crossover 3,000 Hz" Cabinet size will be calculated based in these components. This will be my first build, Would you recomend these? Thanks a lot!

Jose H on Jun 17, 2017



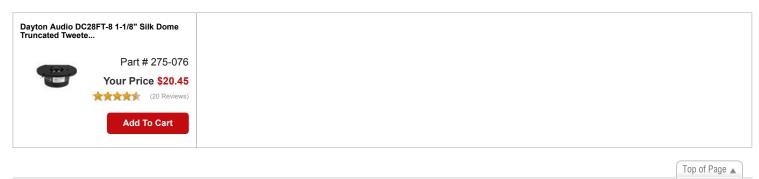
BEST ANSWER: I recently built a pair of speakers with the tweeter and crossover you have listed and they sound pretty good. I used some 4 inch Dayton woofers and I can say that it would have been beneficial to use a lower crossover point. Dayton makes and identical crossover at 1.5k and 2k (and I even think 2.5k not too sure.) I made the mistake of not looking at the frequency response graphs prior to purchase and based on the ones for these two components I would go with a 2k hz since the sound beyond about 1k on the woofer gets a little distorted and the tweeter can handle with no issues down to 2k so I would go with the 2k crossover it will make your woofer less distorted at high volume and give it better bass response as it isn't responsible for reproducing those higher frequencies that the tweeter can handle. Wouldn't go below that since the tweeter cuts off just above 2k hz. Hope this helps and have fun building you'd be surprised how good the stuff you build yourself can sound for the money, get yourself a good amp (none of those crap 20 watt \$20 things power helps the sound) and this should be an awesome build, best of luck.

Reply · Inaccurate · Gerald H on Jun 18, 2017

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