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

Brand: [Dayton Audio](#) | Model: **DC28FT-8** | Part # **275-076**★★★★★ [Read 20 Reviews or Write a Review](#)**Need advice? More information?**

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Superior European design and performance at a fraction of the cost of similar audiophile silk dome tweeters!

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### 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

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Parts Express Speaker Grill Cloth Black Yard 70" Wide



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★★★★★

(223 Reviews)

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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, 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

“ 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"

https://www.parts-express.com/dayton-audio-dc28ft-8-1-1-8-silk-dome-truncated-tweeter--275-076

2/9

Depth	1.54"
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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.

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DETAILS

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4.6 / 5.0

Performance4.6 / 5

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WRITE A REVIEW

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★★★★★

Performance5 / 5

Features5 / 5

best tweet for the money

I have had a pair of Paradigm monitor 7 speakers for many years and have replaced the tweeters twice with paradigm stock tweeters at \$100 dollars a piece because at the 1.8 k crossover point the stock tweeters could not handle the midrange output. Got tired of paying that much for tweets I knew would blow. I have tried 2 different brands and been dissatisfied. I talked to tech support and ordered the dayton soft domes and WOW. They are very smooth and handle the added midrange of the 1.8 k crossover point with ease. I have therefore the recommendation added to the front of the post.

August 26, 2009  
Doug - 24591

8/26/2017

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

point with ease since they have the resonant chamber added to the back of the pole piece on the magnet. My

Value  5 / 5

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### WOW. What a difference.

July 10, 2014  
earshplitten

Back in '09 bought a pair of BIC Model 1530 speakers (3 way. 15" woofer, 5" mid, 2" tweeter). Instead of a 3 way cross-over, they come with "Speaker Protection Circuitry" that shuts down the speaker due to excessive input or abnormal signals. Big pain in the rear. Decided to put in a 3 way cross-over (Parts Express Part # 260-210) and remove the circuitry. At the same time it was suggested in another review to replace the tweeters with Seas 22TAF/G alloy dome tweeters (\$36/each in "11), which I did. Sounded much better in this configuration, but twice blew one of the tweeters. After the second time (a week or so ago) decided to go another route and fou

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June 21, 2009  
Rick - 23237

### SWEET TWEET!!!

I bought 2 of these to replace blown Audax/Polydax tweeters on a set of speakers that were given to me. I had been quite familiar with those particular Audax 1" dome tweeters. This was to be in a non hi-end music room with another pair of speakers having Philips dome tweeters. Initially, I chose this Dayton tweeter simply because it was close to the right size, had a description comparing it to the Morel tweeter, and was on sale. This tweeter has all the detail necessary in the highs but yet has a light, airy quality. There is none of the all too common hard, fatiguing tweeter sound. This tweeter clearly outclassed both the Audax/Polydax and the Phi

Performance  5 / 5

Features  5 / 5

Value  5 / 5

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Was this review helpful? **Yes (4) No (0)** · [Flag as Inappropriate](#)



August 25, 2009  
Seth - 24571

### Better than metal domes

I bought these since reviewers were saying these were Morel knock-offs. I m not sure if they are since I still prefer the Morels (the Morels seem more balanced, less bright and just sound more realistic to me). I installed these Dayton s in a pair of bookshelf Celestions with aluminum tweeters, keeping the original woofer and adding a 1/2 pound of Acousta-Stuf to each speaker. I chose these Dayton s over the Morels since they required less modification to the cabinet.The build seems solid, but I do have an issue with where the terminals are placed. Since they are side mounted you either have to cut a bigger hole

Performance  4 / 5

Features  5 / 5

Value  5 / 5

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Was this review helpful? **Yes (5) No (1)** · [Flag as Inappropriate](#)



September 6, 2012  
Robert S.

### Fantastic Tweeters

I purchased these tweeters to replace Polk Audio SL 2500 tweeters. They fit into the old tweeter space of the cabinets perfectly, with slight wood trimming for the terminals.They sound fantastic!These tweeters are a great product!!

Performance  5 / 5

Features  5 / 5

Value  5 / 5

Was this review helpful? **Yes (4) No (1)** · [Flag as Inappropriate](#)



January 20, 2011  
barabas - 32004

### restoration complete

I have these installed with Jamo 20418 8" woofers and 10" passive radiators in vintage acoustic suspension cabinets. The speakers appearance has improved with the addition of these drivers as has the sound. These tweeters sound smooth and detailed and won't leave your ears ringing. Now my old refurbished speakers really do sound amazing. Thanks parts express!

Performance  5 / 5

Features  5 / 5

Value

Was this review helpful? **Yes (2) No (0)** · [Flag as Inappropriate](#)





 5 / 5
**Paradigm Monitor 9 Replacement Tweeter**June 8, 2015  
CA90

After reading that another reviewer used these in Monitor 7s, I put them into a pair of 9s that a friend had blown the tweeters in. I received them this afternoon and I'm listening to them as I type. VERY pleasantly surprised at how good these sound. Working from memory, I'd say they sound better than they did before. Minimal cabinet mods needed. Not the prettiest, but the sound is what counts and the covers fit. Nice.

Was this review helpful? **Yes (2) No (0)** · [Flag as Inappropriate](#)**Love these tweeters**April 27, 2012  
Marc001
**Performance**  
 5 / 5

**Features**  
 5 / 5

**Value**  
 5 / 5

I used the DC28FT-8 along with a  DS175-8  woofer to replace my stock Mordaunt Short front channel drivers. I also upgraded the stock crossover to  XO2W-2K . I'm extremely happy with the results, the DC28FT are absolutely awesome tweeters. The front channel's are used for both listening to music and as part of a Dolby 6.1 setup for movies. In both cases high range performance exceeded my expectations. Part-Express also gave excellent technical support. Thank you!

Was this review helpful? **Yes (1) No (0)** · [Flag as Inappropriate](#)**Great Tweeter**January 10, 2009  
Tom - 18277
**Performance**  
 5 / 5


**Features**  
 5 / 5

**Value**  
 5 / 5

great if you like clean and clear highs with a little extra mid. The frequency response on this is perfect because it doesn't sound 'tinny' or hard like some high frequency tweeters. Very well rounded.

Was this review helpful? **Yes (1) No (0)** · [Flag as Inappropriate](#)**PERFECT UPGRADE**August 5, 2017  
Erik G


I followed the advice of some previous reviewers (on Parts Express), to upgrade the existing tweeters on a pair of Bic RTR 1530 speakers by swapping them out with these Dayton DC28FT-8 truncated tweeters. Don't get me wrong, Bic RTR 1530 speakers are wonderful speakers, especially for their asking price. It is just that after some years of listening I felt the tweeter section was a bit bright. I am, also, the type of

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4 weeks ago*
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### 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

Looks to be a very close match, (size and specs) to B&W TP-26 tweeters. Hopeful.

Michael B on Jul 26, 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 on Apr 17, 2017

[Read All 23 Answers](#)

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 importantly, 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

Dayton Audio  
DC28FT-8 1-1/8"Dayton Audio  
XO3W-375/3K 3-FaitalPRO  
6FE100 6"Dayton Audio  
DC160-4 6-1/2"

**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

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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

1984Jed on Aug 21, 2016

Dayton Audio  
DC28FT-8 1-1/8"Dayton Audio  
DA175-8 7"

**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 beina a little scooped (iust the

inches as a time in an instant crossed at 100,000 Hz, then you can't even imagine it, but I imagine the tweeter being a time escaped just the way I like it) and the tweeter being padded 5dB.

[Reply](#) · [Inaccurate](#) · High Iq on Nov 22, 2016

[Add Answer](#) · [I Have This Question Too \(3\)](#)

Can I remove the faceplate and mount the tweeter directly to a baffle? The baffle will probably be 1/4" acrylic.

EasyE on Jul 9, 2015

**BEST ANSWER:** Yes this is doable. I would recommend a round-over or chamfer around the dome to prevent any unwanted response issues but this should work perfectly fine.

[Reply](#) · [Inaccurate](#) · MattP on Jul 9, 2015

[Add Answer](#) · [I Have This Question Too \(2\)](#)

Is the faceplate available seperately?

flashpop on May 13, 2011

**BEST ANSWER:** Unfortunately, the faceplates for the DC series tweeters are not currently available as a separate item.

[Reply](#) · [Inaccurate](#) · Russ R [Staff](#) on May 13, 2011

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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)

Anonymouish on Jun 13, 2016



Dayton Audio  
DC28FT-8 1-1/8"



Eminence  
PXB2:1K6 2-Way



Dayton Audio  
DA175-8 7"

**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*

[Read All 8 Answers](#) · [Add Answer](#) · [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](#) · [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 \(0\)](#)

Can this replace the Polk audio Isi 200 tweeter without damaging the box?



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 imrove sound quality. Great tweeter

Reply · Inaccurate · STEVEN S on Aug 8, 2017 · Purchased on Apr 8, 2017

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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

Dayton Audio  
DC28FT-8 1-1/8"Peerless by  
TymphanyDayton Audio  
XO2W-3K 2-Way

**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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