

MiTo Brake Disc/Pad Guide

Identifying, choosing and buying brake discs and pads for the MiTo should be relatively straightforward, but as with many things on the MiTo, Alfa Romeo have made the process just slightly more difficult than it should be, resulting in the whole endeavour being a bit of a pain.

So I have tried to simplify what should be simple, but even through the course of simplification there remain a few confusing differences you need to be aware of before hitting the 'add to basket' button on your favoured Alfa Romeo parts site.

Let's start with brake discs, which mercifully are relatively straightforward. Sort of.

There are three different sizes of front disc depending on the model of your MiTo, but thankfully only one size of rear disc for all MiTos. So if you want to know the size of your rear discs, you can be certain they are 251mm, and anyone trying to convince you there are other sizes is wrong.

Your front discs depend on your model, but broadly the lower-powered petrol MiTos (TwinAirs and 78/95/105bhp 1.4) have 257mm discs. MiTos with a little more power (most 1.4 petrol turbo and all diesels) that have the standard Bosch front calipers (i.e. not the upgraded Brembo front caliper) have 281mm discs. Then the 155TB, Cloverleaf, QV and some later models such as the 140bhp TCT have the upgraded



Brembo calipers which use 305mm discs.

Naturally, these three front disc sizes have different brake pads, and all front pads have wear indicators/sensors. Though there is an added complexity for 305mm pads in that they changed from a single to double wear indicators in September 2010.

Despite all MiTos having the same 251mm rear disc, Alfa Romeo used two different calipers at the rear (Bosch or Lucas/TRW). MiTos with Bosch rear calipers have brake pads with no wear indicators, whereas Lucas rear calipers need brake pads with wear indicators. The picture below shows a Lucas and a Bosch rear caliper: the Lucas calipers are more rounded and have a clear LUCAS brand at the front edge. Bosch calipers are squared

off, so you should be able to quickly identify which variant you have, and with the wheel removed (like the picture above) the wear indicator wire can be seen.

So that's all clear then.

Well, not really. There is an added complication that Alfa Romeo and Fiat used literally dozens of part numbers over the years to identify the correct discs and pads for each model of MiTo, frequently updating the part numbers or replacing them, and swapping parts between Fiat, Alfa Romeo and Lancia. So if you tell me you have a 2013 MiTo TwinAir 105bhp, it is not quite as simple as me telling you that this is the one correct part number you need for new front discs: there are four or five part numbers. But don't worry, they all lead you to the right physical part in the end, it just may take a few goes.

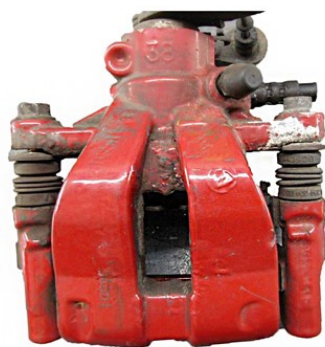
to stick with OE parts or Brembo alternatives, so our guide on the next page lists the Alfa Romeo part numbers but also lists Brembo part numbers in red. These are proven to be compatible and I have checked each part number against each MiTo.

But having three front brake variations along with two rear caliper variations there are, naturally, five different brake pad sizes to consider. Those measurements are also included in the guide on the next page, but bear in mind that measurements can vary slightly between manufacturers. For example, a pad with a width of 150.8mm from Brembo may be listed as 151mm at EBC and something slightly different at Ferodo. As a general rule, a difference of +/- 0.3mm will be fine. Thickness of the pad can vary slightly more but should not cause concern.

Lucas



BOSCH



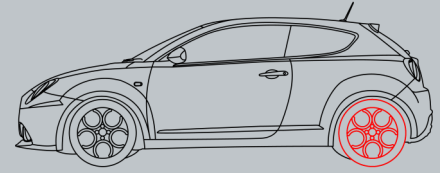
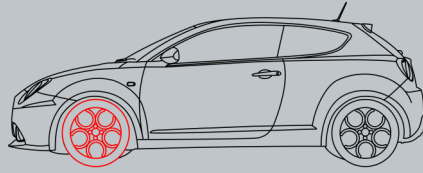
Pad Sizes

People can get very concerned about the exact measurements of brake pads, and this only really becomes important when you are trying to match after-market pads to the specification you want for your MiTo. My advice is to stick to pads that specifically list the original equipment (OE) part numbers in this guide as being compatible. For road cars I tend

Disc/Pad Combinations

In some instances (specifically the 257mm and 281mm front disc sizes) Alfa Romeo combined a set of front discs and pads into a 'brake kit' with an associated part number. These brake kit part numbers are included in the guide as they typically represent reasonable value for money. The constituent disc and pad part numbers are usually visible.

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Variant	Model	From	To	Front Disc (mm)	Front Disc Part Nos.	Front Pad Part Nos. (with wear indicators)	251mm Rear Disc Part Nos.	Rear Pad Part Nos. (Bosch)	Rear Pad Part Nos. (Lucas)
AXW1B	0.9 TwinAir (85) Petrol	2012	2014	257	Discs only: 46831041 46401356 51896288 71739640	Pads only: 71752983 71754802 77364588 77366134 77364517 77364637 77364798 77364893 77365543 77364919			
AXY1B	0.9 TwinAir (105) Petrol	2013	⇌		09.5843.11 09.5843.10	P 23 141			
AXU1A	1.4 8V (78) Petrol	2011	⇌		Discs/Pads Combination: 71771024 71771025 71771026 71771027 71771028 71771028 71771097 71772588	Discs/Pads Combination: 71771024 71771025 71771026 71771027 71771028 71771028 71771097 71772588			
AXB1B	1.4 16V (78) Petrol	2009	2011						
AXF1B	1.4 16V (95) Petrol	2009	2014						
AXL1B	1.4 TB (105) MultiAir Petrol	2010	2013						
AXG1A	1.4 TB (120) Petrol	2009	2010	281	Discs only: 46765546 46535086	Pads only: 77365808 77365188 77362196	51805559 51813705 51865104 51865132	Bosch calipers <u>do not</u> have wear indicators	Lucas calipers <u>do</u> have wear indicators
AXM1A	1.4 TB (135) MultiAir Petrol	2010	2014		09.5180.31 09.5180.30	P 23 145	08.A915.11 08.A915.10	71769094 71772225 71796094 77362271 77362768 77364590	71770108 77365752 77365858 77365752
AXH1B	1.3 JTDM (90) Diesel	2009	2010		Discs/Pads Combination: 71771032 71771033	Discs/Pads Combination: 71771032 71771033			
AXP1A	1.3 JTDM-2 (95) Diesel	2010	2016						
AXT1A	1.3 JTDM-2 (85) Diesel	2011	2016						
AYC1A	1.3 JTDM-2 (95) Diesel	2016	⇌					P 23 080	
AXC1B	1.6 JTDM (120) Diesel	2008	2016						
AXA1B	1.4 TB (155) Petrol	2008	2011		305	51813785 51738833	1 sensor ⇌ 09/10 77364716 71753265 P 23 117		
AXN1B	1.4 TB (170) MultiAir Petrol	2010	2014	09.8004.41		09/10 ⇌ 2 sensors 77365672 51934099 P 23 139			
AXR11	1.4 TB (135) MultiAir Petrol TCT	2010	2014						
AYB11	1.4 TB (140) MultiAir Petrol TCT	2014	⇌						
AXN11	1.4 TB (170) MultiAir Petrol TCT	2014	⇌						