

Adapter Information

1. This guide will explain the application, use and purpose of Amermac Tire Truer Adapters.
2. Primarily there are two types of Tire Truer Adapters:
 - A. **Bolt Centric:** Used when the bolt circle of a rim centers a tire.
 - B. **Hub Centric:** When the center hole of the rim pilots the tire center.

Tire Truer Adapters A 1 - A6



A1



A2



A3

Center Shaft outside diameter is 1.75" on A 1 - A5



A4



A5



A6

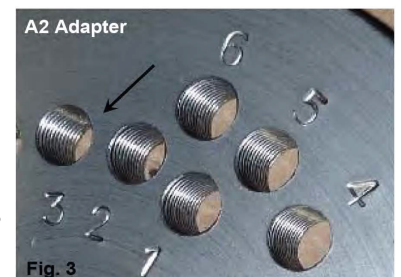
Above are Bolt Centric adapters with 34 bolt patterns. The set can be used on over 1000 makes and models of cars, light trucks and sport utility vehicles.

Choosing a Bolt Centric Adapter

Tire Service International has developed a TRUER ADAPTER CHART, shown on the next page (see fig. 4 on page 7.) The chart is based on bolt circle diameters and the number of lug nuts or wheel studs for each rim type.

For example:

Finding an adapter to use for a 5-lug, 4.500" diameter bolt circle look in the # of Lugs column, go down to 5 Lugs and look for the bolt circle diameter listed in the next column. Find the Adapter Name, in this case "A2." The part number for this is 6381 and the pattern to use is 3. Fig. 3 (at right) shows numbers stamped near each threaded hole that correspond with each adapter and the various bolt circle diameters listed on the chart.



Truer Adapter Chart

# of Lugs	Bolt Circle inch	Bolt Circle mm	Adapter Part Number & Pattern	Adapter Name	Measurement Driven	Notes
3 or 6	3.500	88.90	6382-1	A4	inch	
3 or 6	4.000	101.60	6382-2	A4	inch	
3 or 6	4.500	114.30	6382-3	A4	inch	
3 or 6	4.53	115.00	6364-1	A3	mm	
3 or 6	4.72	120.00	6364-2	A3	mm	
3 or 6	5.000	127.00	6382-4	A4	inch	
3 or 6	5.197	132.00	6364-3	A3	mm	
3 or 6	5.315	135.00	6364-4	A3	mm	
3 or 6	5.500	139.70	6382-5	A4	inch	
3 or 6	6.000	152.40	6382-6	A4	inch	
3 or 6	7.000	177.80	6382-7	A4	inch	
3 or 6	7.087	180.00	6367-3	A6	mm	
3 or 6	8.250	209.60	6367-4	A6	inch	
3 or 6	8.858	225.00	6367-5	A6	mm	
4 or 8	3.940	100.00	6366-1	A5	mm	
4 or 8	4.250	108.00	6366-2	A5	inch	
4 or 8	4.500	114.30	6366-4	A5	inch	
4 or 8	6.500	165.10	6367-1	A6	inch	
4 or 8	6.690	170.00	6367-2	A6	mm	
5	3.940	1,100.00	6362-1	A1	mm	
5	4.000	101.60	6381-1	A2	inch	
5	4.250	108.00	6381-2	A2	inch	
5	4.331	110.00	6362-2	A1	mm	
5	4.410	112.00	6366-3	A5	mm	
5	4.500	114.30	6381-3	A2	inch	
5	4.530	115.00	6362-3	A1	mm	
5	4.720	120.00	6362-4	A1	mm	
5	4.750	121.00	6381-4	A2	inch	
5	5.000	127.00	6381-5	A2	inch	
5	5.118	130.00	6362-5	A1	mm	
5	5.315	135.00	6362-6	A1	mm	
5	5.500	139.70	6381-6	A2	inch	
5	5.906	150.00	6366-5	A5	mm	
5 or 10	8.859	225.00	6367-6	A6	mm	Use 3 holes

Fig. 4

Please note: Bolt circle diameters are listed in both inch and millimeter increments.

Used on Cabinet Truers these mount on a 1-1/4" diameter mandrel shaft with spacers and locking mandrel nuts (shown later.)

Bolt Centric Instructions

1. Select the correct Adapter and place it on the Tri-Stand (Fig. 6.) Put the tire on it and line-up the holes in order to fasten them together using the supplied Hex Bolts (see photo insert.)
2. Hand tighten making sure the mating surface between the two have no gap. **Tighten when on the mandrel shaft using the mandrel wrenches.**
3. Figures 7 & 8 show a mounting variation. Using the front or back of the Adapter is acceptable as long as the end result can center the tire tread to the Cutter Blade.
4. See Fig. 9 showing Spacers (photo insert) being used along with the Mandrel Nuts and Shaft Bearings.



1. More experienced operators may opt to assemble the Adapter and Mandrel Shaft parts together, place it into the Tri-Stand and simply mount the tire to it.
2. **The key is selecting the correct Adapter without having to put it all together, then take it apart and re-assemble it.**
3. Heavier tires may not allow for this so both methods are shown.
4. Once assembled place into a suitable Pillow block groove (fig 10). Take play out of the mandrel shaft & bearings and tighten bearing set screws. Once position tighten thumb screws. Center the tire tread with cutter head.
5. Proceed by tightening the mandrel Nuts and adapter assembly
6. You are now ready to true the tire.

