

Fairmont
Standardized,
Interchangeable

**WHEELS,
AXLES, and
BEARINGS**

For Motor Cars, Trailers, Push Cars, and Hand Cars

Standard Motor Car Axles

LOOSE AXLE SYMBOL	DRIVE AXLE SYMBOL	AXLE SIZE (A) ACTUAL	BEARING SIZE (B) ACTUAL	TRACK GAUGE (C)	TYPE OF AXLE	INSULATION IF USED (NOT INCLUDED)		TAPER PER FT. (T)	DIMENSIONS (INCHES)				WEIGHT APPROX. POUNDS
						TYPE	SYMBOL		(G)	(D)	(E)	(F)	
M1356N •		1 7/8"	1 7/8"	56 1/2"	Universal	3-Piece	M6334 •	.875"	1.111"	2.187"			19
M8506N •	M8669N •	1 7/8"	1 7/8"	56 1/2"	Universal	3-Piece	M8509 •	.750"	1.368"	2.156"			31
M8673N •	M8694N •	1 1/2"	1 1/2"	56 1/2"	Universal	3-Piece	M8674 •	.750"	1.609"	2.000"			39
M10860N •		1 7/8"	1 7/8"	56 1/2"	Universal	3-Piece	M10861 •	.750"	1.796"	2.500"			48 1/2
M19511N •		1 1/2"	1 1/2"	56 1/2"	Universal	3-Piece	M19836 •	.750"	1.859"	2.500"			56
M19837N •		2 3/8"	2 3/8"	56 1/2"	Universal			.750"					71 1/2
M19838N •		2 7/8"	2 7/8"	56 1/2"	Universal			.750"					88 1/2
M3064N •		1 7/8"	1 7/8"	56 1/2"	Shoulder	5-Piece	M4480 •	.750"	1.368"	2.156"	1.094"	1.321"	31
M4232N •		1 1/2"	1 1/2"	56 1/2"	Shoulder	5-Piece	M4481 •	.750"	1.609"	2.000"	1.250"	1.562"	39

TENS of thousands of axles standard on Fairmont motor cars for seven years have demonstrated that the S.A.E. 1045 steel in these axles is most satisfactory. Containing .40 to .50 carbon, it has a reliable, practical combination of high strength with needed toughness.

Fairmont motor car axles are turned, polished, and inspected to close limits which insure correct fitting of wheels, bearings and thrust collars. Between wheel tapers, axle diameter is the same throughout. Regarding interchangeability, see columns 1 and 2 on opposite page, also columns 2 and 3 on page 3.

All Fairmont axle ends are strengthened by having no deep round "necking" groove between threads and wheel taper.

Two slotted end nuts and two cotters are included with each axle, providing maximum adjustability and safety. "N" following any axle symbol includes end nuts and cotters as specified on this page. If not wanted, omit "N" in symbol.

Drive axle M8669N above is keyseated for one M7556 bored pulley bushing. If desired, we will keyseat at slight addi-

tional cost any of the loose axles above for driving by pulley or sprocket.

Many car repair shops can cut straight keyseats. It is advisable to check such axles afterward, straightening cold any found sprung. Standard motor car axles rarely bow, but lower priced ones may need care in keyseating.

Trailers or push cars run much with motor cars need motor car axles: speed and load requirements are identical, far above those for operation with hand cars.

Size 1 1/2" axles are a better buy than 1 7/8", as they give a greater increase in strength above 1 1/2", and are coming into wider use on largest gang cars and push cars or trailers for heaviest loads. ■

All axles in this bulletin fit and operate properly with the long sleeve Timken bearings listed herein: no special diameter axles needed.

AXLES MADE TO ORDER

If your axle specifications differ from those here, you may find an attractive saving by letting us quote on your specifications: we'd be glad to check.

Alloy Steel Axles

IN size 1 1/2" only, we have Chrome Vanadium axles (Loose M7939N, Drive Axle M7938N) which last much longer than carbon steel axles in roller bearings having no inner race.

Manufacturers of such bearings advise that this S. A. E. 6130 steel is of sufficient hardness (286 to 381 Brinell) to stop roller cutting of axles. Except steel, the specifications of these axles are same as M8506N and M8669N tabulated above.

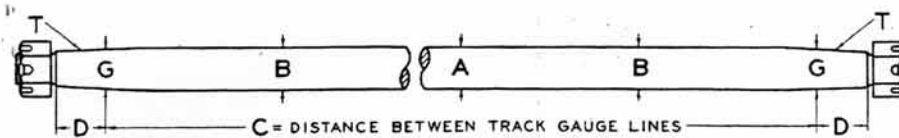
Axles can be furnished of any commercial alloy steel. Nikrome is popular for use with inner race bearings.

Hand Car, Push Car and Trailer Axles

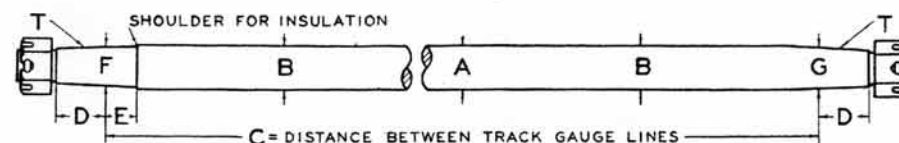
GOOD quality mild steel makes these axles economical for hand car use. The Drive Axle M6896 has a standard taper seat and threads for the drive pinion and nut; has the same wheel and bearing fits as Loose or Trailing Axle M6897N, which is identical in specifications with 1 7/8" M8506N tabulated above, except as to steel and end nuts.

Loose Axle M6897N is excellent for use with 1 7/8" inner race roller bearings on push cars, or on trailers making comparatively low yearly mileage in connection with motor cars.

A slotted nut and cotter for the loose wheel end, and unslotted hex nuts for the tight wheel ends of hand, push car and trailer axles, are furnished without charge.



ABOVE: Dimensions of Universal Type Axle fitted by 3-Piece Insulation.
BELOW: Shoulder Type Axle requiring 5-Piece Insulation.



■ Carried to service existing axles only. Suggest use of 1 1/2" axle for new cars or trailers.
● Recommended Fairmont stock, page 8.