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## Pinto-Style Manual Rack & Pinion Specifications Sheet



	1971-72 Pinto Manual Rack	1971-72 Pinto Manual Rack - Shortened 5"
<b>Part No.</b>	<a href="#">FR1501</a>	<a href="#">FR1501-2</a>
<b>OEM Design Style</b>	71-72 Ford Pinto	1971-72 Ford Pinto
<b>Steering Design</b>	Front Steer	Front Steer
<b>Total Weight</b>	12 lbs.	12 lbs.
<b>Housing Material</b>	Die Cast Aluminum	Die Cast Aluminum
<b>Tube Material</b>	Carbon Steel	Carbon Steel
<b>Tube Plating</b>	Chrome	Chrome
<b>Rack Gain</b>	1.3"	1.3"
<b>No. Turns Lock-to-Lock</b>	3.75	3.75
<b>Total Rack Travel</b>	5.25"	5.25"
<b>Overall Length (end to end)</b>	45.75"	40.5"
<b>Housing Length</b>	18.5"	13.5"
<b>Housing O.D.</b>	1.940"	1.940"
<b>Tube O.D. (passenger side)</b>	1.350"	1.350"
<b>Input Shaft Angle</b>	72°	72°
<b>Input Shaft Spline Size</b>	9/16"-26	9/16"-26
<b>Input Shaft Length</b>	4.07"	4.07"
<b>Pivot Points</b>	24.29"	18.75"
<b>Inner End Diameter</b>	14mm (.551")	14mm (.551")
<b>Inner End Thread Size</b>	1/2"-20	1/2"-20
<b>Driver Side Mount</b>	Foot (2 bolts req'd)	Foot (2 bolts req'd)
<b>Passenger Side Mount</b>	Strap	Strap
<b>Spike Mount Center to Center Distance</b>	N/A	N/A
<b>Bellows Material</b>	Rubber	Rubber
<b>Bellows Part No.</b>	FR1501B (pair)	FR1501B (pair)
<b>Bushing Part No.</b>	N/A	N/A
<b>Outer End Part No.</b>	N/A	N/A



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## Mustang II Style Manual Rack & Pinion Specifications Sheet



	Mustang II Manual Rack	Mustang II Manual Rack (Chrome)	Mustang II Manual Rack with Short Pinion	Mustang II Manual Rack with Short Pinion (Chrome)
<b>Part No.</b>	<a href="#">FR1502</a>	<a href="#">FR1502C</a>	<a href="#">FR1502-5</a>	<a href="#">FR1502-5C</a>
<b>OEM Design Style</b>	74-78 Ford Mustang	74-78 Ford Mustang	74-78 Ford Mustang	74-78 Ford Mustang
<b>Steering Design</b>	Front Steer	Front Steer	Front Steer	Front Steer
<b>Total Weight</b>	14 lbs.	14 lbs.	14 lbs.	14 lbs.
<b>Housing Material</b>	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum
<b>Tube Material</b>	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
<b>Tube Plating</b>	Chrome	Chrome	Chrome	Chrome
<b>Rack Gain</b>	1.36" per turn	1.36" per turn	1.36" per turn	1.36" per turn
<b>No. Turns Lock-to-Lock</b>	3.92	3.92	3.92	3.92
<b>Total Rack Travel</b>	5.34"	5.34"	5.34"	5.34"
<b>Overall Length (end to end)</b>	45"	45"	45"	45"
<b>Housing Length</b>	20-7/8"	20-7/8"	20-7/8"	20-7/8"
<b>Housing O.D.</b>	2.100" (both ends)	2.100" (both ends)	2.100" (both ends)	2.100" (both ends)
<b>Tube O.D. (passenger side)</b>	N/A	N/A	N/A	N/A
<b>Input Shaft Angle</b>	72°	72°	72°	72°
<b>Input Shaft Spline Size</b>	9/16"-26	9/16"-26	9/16"-26	9/16"-26
<b>Input Shaft Length</b>	6.44"	6.44"	1.5"	1.5"
<b>Pivot Points</b>	24.5"	24.5"	24.5"	24.5"
<b>Inner End Diameter</b>	14mm (.551")	14mm (.551")	14mm (.551")	14mm (.551")
<b>Inner End Thread Size</b>	9/16"-18	9/16"-18	9/16"-18	9/16"-18
<b>Driver Side Mount</b>	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)
<b>Passenger Side Mount</b>	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)
<b>Spike Mount Center to Center Distance</b>	16.00"	16.00"	16.00"	16.00"
<b>Bellows Material</b>	Nitrile Rubber	Nitrile Rubber	Nitrile Rubber	Nitrile Rubber
<b>Bellows Part No.</b>	FR1502B (pair)	FR1502B (pair)	FR1502B (pair)	FR1502B (pair)
<b>Bushing Part No.</b>	FR1600 (2 req'd)	FR1600 (2 req'd)	FR1600 (2 req'd)	FR1600 (2 req'd)
<b>Outer End Part No.</b>	FR1601 (2 req'd)	FR1601 (2 req'd)	FR1601 (2 req'd)	FR1601 (2 req'd)



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## Mustang II Style Manual Rack & Pinion Specifications Sheet



	Mustang II Manual Rack with Short Pinion - Shortened 2"	Mustang II Manual Rack with Short Pinion - Shortened 2.5"	Mustang II Manual Rack with Short Pinion - Shortened 3"	Mustang II Manual Rack with Short Pinion - Shortened 4"
<b>Part No.</b>	<a href="#">FR1502-2X2</a>	<a href="#">FR1502-2X2.5</a>	<a href="#">FR1502-3X3</a>	<a href="#">FR1502-4X4</a>
<b>OEM Design Style</b>	74-78 Ford Mustang	74-78 Ford Mustang	74-78 Ford Mustang	74-78 Ford Mustang
<b>Steering Design</b>	Front Steer	Front Steer	Front Steer	Front Steer
<b>Total Weight</b>	15 lbs.	15 lbs.	15 lbs.	15 lbs.
<b>Housing Material</b>	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum
<b>Tube Material</b>	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
<b>Tube Plating</b>	Chrome	Chrome	Chrome	Chrome
<b>Rack Gain</b>	1.36" per turn	1.36" per turn	1.36" per turn	1.36" per turn
<b>No. Turns Lock-to-Lock</b>	3.92	4.29	3.92	3.92
<b>Total Rack Travel</b>	5.34"	5.84"	5.34"	5.34"
<b>Overall Length (end to end)</b>	43"	42.5"	42"	41"
<b>Housing Length</b>	18.875"	18.375"	17.875"	16.875"
<b>Housing O.D.</b>	2.1" Both Ends	2.1" Both Ends	2.1" Both Ends	2.1" Both Ends
<b>Tube O.D. (passenger side)</b>	N/A	N/A	N/A	N/A
<b>Input Shaft Angle</b>	72°	72°	72°	72°
<b>Input Shaft Spline Size</b>	9/16"-26	9/16"-26	9/16"-26	9/16"-26
<b>Input Shaft Length</b>	1.5"	1.5"	1.5"	1.5"
<b>Pivot Points</b>	22.5"	22.5"	21.5"	20.5"
<b>Inner End Diameter</b>	14mm (.551")	14mm (.551")	14mm (.551")	14mm (.551")
<b>Inner End Thread Size</b>	9/16"-18	9/16"-18	9/16"-18	9/16"-18
<b>Driver Side Mount</b>	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)
<b>Passenger Side Mount</b>	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)
<b>Spike Mount Center to Center Distance</b>	14"	13.5"	13"	12"
<b>Bellows Material</b>	Nitrile Rubber	Nitrile Rubber	Nitrile Rubber	Nitrile Rubber
<b>Bellows Part No.</b>	FR1502B (pair)	FR1502B (pair)	FR1502B (pair)	FR1502B (pair)
<b>Bushing Part No.</b>	FR1600 (2 req'd)	FR1600 (2 req'd)	FR1600 (2 req'd)	FR1600 (2 req'd)
<b>Outer End Part No.</b>	FR1601 (2 req'd)	FR1601 (2 req'd)	FR1601 (2 req'd)	FR1601 (2 req'd)



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## 1979-93 5.0L Mustang Manual Rack & Pinion Specifications Sheet



	1979-93 Mustang Manual Rack	1979-93 Mustang Manual Rack with Short Pinion	1979-93 Mustang Manual Rack - Shortened 3"	1979-93 5.0L Mustang Manual Rack - Quick
<b>Part No.</b>	<a href="#">FR1503</a>	<a href="#">FR1503-5</a>	<a href="#">FR1503-3X3</a>	<a href="#">FR1520</a>
<b>OEM Design Style</b>	79-93 Ford Mustang	79-93 Ford Mustang	79-93 Ford Mustang	79-93 Ford Mustang
<b>Steering Design</b>	Front Steer	Front Steer	Front Steer	Front Steer
<b>Total Weight</b>	15 lbs	15 lbs	15 lbs	15 lbs
<b>Housing Material</b>	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum
<b>Tube Material</b>	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
<b>Tube Plating</b>	Chrome	Chrome	Chrome	Chrome
<b>Rack Gain</b>	1.44" per turn	1.44" per turn	1.44" per turn	1.75" per turn
<b>No. Turns Lock-to-Lock</b>	3.98	3.98	3.98	3.1
<b>Total Rack Travel</b>	5.75"	5.75"	5.75"	5.5"
<b>Overall Length (end to end)</b>	44"	44"	42"	43.75"
<b>Housing Length</b>	20-3/8"	20-3/8"	17-3/8"	20-3/8"
<b>Housing O.D.</b>	2.100 (both ends)	2.100 (both ends)	2.100 (both ends)	2.100 (both ends)
<b>Tube O.D. (passenger side)</b>	N/A	N/A	N/A	N/A
<b>Input Shaft Angle</b>	72°	72°	72°	72°
<b>Input Shaft Spline Size</b>	9/16"-26	9/16"-26	9/16"-26	9/16"-26
<b>Input Shaft Length</b>	7.44"	1.5"	1.5"	6.56"
<b>Pivot Points</b>	24.5"	24.5"	21.5"	24.5"
<b>Inner End Diameter</b>	14mm (.551")	14mm (.551")	14mm (.551")	14mm (.551")
<b>Inner End Thread Size</b>	9/16"-18	9/16"-18	9/16"-18	9/16"-18
<b>Driver Side Mount</b>	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)
<b>Passenger Side Mount</b>	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)
<b>Spike Mount Center to Center Distance</b>	15.50"	15.50"	12.50"	15.50"
<b>Bellows Material</b>	Nitrile Rubber	Nitrile Rubber	Nitrile Rubber	Nitrile Rubber
<b>Bellows Part No.</b>	FR1502B (pair)	FR1502B (pair)	FR1502B (pair)	FR1502B (pair)
<b>Bushing Part No.</b>	FR1600 (2 req'd)	FR1600 (2 req'd)	FR1600 (2 req'd)	FR1600 (2 req'd)
<b>Outer End Part No.</b>	FR1603 (2 req'd)	FR1603 (2 req'd)	FR1603 (2 req'd)	FR1603 (2 req'd)



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## 1994-04 5.0L Mustang Manual Rack & Pinion Specifications Sheet



	1994-04 Mustang Manual Rack (Non-Modular Engine)	1994-04 Mustang Manual Rack (Non-Modular Engine) - Quick
<b>Part No.</b>	<a href="#">FR1508</a>	<a href="#">FR1508Q</a>
<b>OEM Design Style</b>	94-04 Ford Mustang	94-04 Ford Mustang
<b>Steering Design</b>	Front Steer	Front Steer
<b>Total Weight</b>	12 lbs.	12 lbs.
<b>Housing Material</b>	Die Cast Aluminum	Die Cast Aluminum
<b>Tube Material</b>	Carbon Steel	Carbon Steel
<b>Tube Plating</b>	Chrome	Chrome
<b>Rack Gain</b>	1.44" per turn	1.75" per turn
<b>No. Turns Lock-to-Lock</b>	4	3.32
<b>Total Rack Travel</b>	5.5"	5.5"
<b>Overall Length (end to end)</b>	48.5"	47.5"
<b>Housing Length</b>	20-3/8"	20-3/8"
<b>Housing O.D.</b>	2.100" (both ends)	2.100" (both ends)
<b>Tube O.D. (passenger side)</b>	N/A	N/A
<b>Input Shaft Angle</b>	72°	72°
<b>Input Shaft Spline Size</b>	9/16"-26	9/16"-26
<b>Input Shaft Length</b>	4.625" from cap	5.375" from cap
<b>Pivot Points</b>	24.5"	24.5"
<b>Inner End Diameter</b>	0.590"	0.590"
<b>Inner End Thread Size</b>	9/16"-18	9/16"-18
<b>Driver Side Mount</b>	Spike (bushing req'd)	Spike (bushing req'd)
<b>Passenger Side Mount</b>	Spike (bushing req'd)	Spike (bushing req'd)
<b>Spike Mount Center to Center Distance</b>	15.50"	15.50"
<b>Bellows Material</b>	Nitrile Rubber	Nitrile Rubber
<b>Bellows Part No.</b>	FR1502B (pair)	FR1502B (pair)
<b>Bushing Part No.</b>	FR1600 (2 req'd)	FR1600 (2 req'd)
<b>Outer End Part No.</b>	FR1603 (2 req'd)	FR1603 (2 req'd)



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## Omni-Style Manual Rack & Pinion Specifications Sheet



	41.7" Omni Manual Rack	41.7" Omni Manual Rack with Short Pinion	45" Omni Manual Rack	45" Omni Manual Rack with Short Pinion
<b>Part No.</b>	<a href="#">FR1507-3</a>	<a href="#">FR1507-3-5</a>	<a href="#">FR1507-2</a>	<a href="#">FR1507-2-5</a>
<b>OEM Design Style</b>	78-83 Dodge Omni	78-83 Dodge Omni	78-83 Dodge Omni	78-83 Dodge Omni
<b>Steering Design</b>	Rear Steer	Rear Steer	Rear Steer	Rear Steer
<b>Total Weight</b>	14 lbs	14 lbs	14 lbs	14 lbs
<b>Housing Material</b>	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum
<b>Tube Material</b>	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
<b>Tube Plating</b>	Chrome	Chrome	Chrome	Chrome
<b>Rack Gain</b>	1.125"	1.125"	1.125"	1.125"
<b>No. Turns Lock-to-Lock</b>	4	4	4	4
<b>Total Rack Travel</b>	5.00"	5.00"	5.00"	5.00"
<b>Overall Length (end to end)</b>	41.7"	41.7"	45"	45"
<b>Housing Length</b>	18"	18"	18"	18"
<b>Housing O.D.</b>	1.35"	1.35"	1.35"	1.35"
<b>Tube O.D. (passenger side)</b>	N/A	N/A	N/A	N/A
<b>Input Shaft Angle</b>	72°	72°	72°	72°
<b>Input Shaft Spline Size</b>	9/16"-26	9/16"-26	9/16"-26	9/16"-26
<b>Input Shaft Length</b>	3.5" from cap	1.5" from cap	3.5" from cap	1.5" from cap
<b>Pivot Points</b>	23.77"	23.77"	23.77"	23.77"
<b>Inner End Diameter</b>	14mm (.551")	14mm (.551")	14mm (.551")	14mm (.551")
<b>Inner End Thread Size</b>	9/16"-18	9/16"-18	9/16"-18	9/16"-18
<b>Driver Side Mount</b>	Foot (2 bolts req'd)	Foot (2 bolts req'd)	Foot (2 bolts req'd)	Foot (2 bolts req'd)
<b>Passenger Side Mount</b>	Clamp	Clamp	Clamp	Clamp
<b>Spike Mount Center to Center Distance</b>	N/A	N/A	N/A	N/A
<b>Bellows Material</b>	Nitrile Rubber	Nitrile Rubber	Nitrile Rubber	Nitrile Rubber
<b>Bellows Part No.</b>	FR1502B (pair)	FR1502B (pair)	FR1502B (pair)	FR1502B (pair)
<b>Bushing Part No.</b>	N/A	N/A	N/A	N/A
<b>Outer End Part No.</b>	FR1601 (2 req'd)	FR1601 (2 req'd)	FR1601 (2 req'd)	FR1601 (2 req'd)



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## Cobra / MGB Manual Rack & Pinion Specification Sheet



	Cobra / MGB Manual Rack
Part No.	FR1512
OEM Design Style	Cobra / MGB
Steering Design	
Total Weight	14 lbs
Housing Material	
Tube Material	
Tube Plating	
Rack Gain	2.08" per turn
No. Turns Lock-to-Lock	3.00
Total Rack Travel	6.25"
Overall Length (end to end)	41.00"
Housing Length	
Housing O.D.	
Tube O.D. (passenger side)	
Input Shaft Angle	12°
Input Shaft Spline Size	3/4"-48
Input Shaft Length	7.5"
Pivot Points	24"
Inner End Diameter	14mm (.551")
Inner End Thread Size	9/16"-18
Driver Side Mount	2.21" (top to bottom distance)
Passenger Side Mount	2.21" (top to bottom distance)
Spike Mount Center to Center Distance	14.5"
Bellows Material	Nitrile Rubber
Bellows Part No.	FR1502B (pair)
Bushing Part No.	N/A
Outer End Part No.	FR1601 (2 req'd)



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## 2005-2012 Mustang Manual Rack & Pinion Specifications Sheet



2005-2015 Mustang Manual Rack	
<b>Part No.</b>	<a href="#">FR1515</a>
<b>OEM Design Style</b>	2005-2015 Mustang
<b>Steering Design</b>	Front Steer
<b>Total Weight</b>	20 lbs
<b>Housing Material</b>	Cast Aluminum
<b>Tube Material</b>	Steel
<b>Tube Plating</b>	Chrome
<b>Rack Gain</b>	1.3" per turn
<b>No. Turns Lock-to-Lock</b>	4.25 - 4.5
<b>Total Rack Travel</b>	5.75"
<b>Overall Length (end to end)</b>	54.38"
<b>Housing Length</b>	23.63"
<b>Housing O.D.</b>	2.1"
<b>Tube O.D. (passenger side)</b>	N/A
<b>Input Shaft Angle</b>	72°
<b>Input Shaft Spline Size</b>	9/16"-26
<b>Input Shaft Length</b>	7.44"
<b>Pivot Points</b>	Approx. 30"
<b>Inner End Diameter</b>	14mm (.551")
<b>Inner End Thread Size</b>	M14 X 1.5
<b>Driver Side Mount</b>	Spike
<b>Passenger Side Mount</b>	Spike
<b>Spike Mount Center to Center Distance</b>	14.00"
<b>Bellows Material</b>	Nitrile Rubber
<b>Bellows Part No.</b>	FR1502-B
<b>Bushing Part No.</b>	N/A
<b>Outer End Part No.</b>	Requires stock outer ends