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Pinto-Style Manual Rack & Pinion Specifications Sheet



	1971-72 Pinto Manual Rack	1971-72 Pinto Manual Rack - Shortened 5"
Part No.	FR1501	FR1501-2
OEM Design Style	71-72 Ford Pinto	1971-72 Ford Pinto
Steering Design	Front Steer	Front Steer
Total Weight	12 lbs.	12 lbs.
Housing Material	Die Cast Aluminum	Die Cast Aluminum
Tube Material	Carbon Steel	Carbon Steel
Tube Plating	Chrome	Chrome
Rack Gain	1.3"	1.3"
No. Turns Lock-to-Lock	3.75	3.75
Total Rack Travel	5.25"	5.25"
Overall Length (end to end)	45.75"	40.5"
Housing Length	18.5"	13.5"
Housing O.D.	1.940"	1.940"
Tube O.D. (passenger side)	1.350"	1.350"
Input Shaft Angle	72°	72°
Input Shaft Spline Size	9/16"-26	9/16"-26
Input Shaft Length	4.07"	4.07"
Pivot Points	24.29"	18.75"
Inner End Diameter	14mm (.551")	14mm (.551")
Inner End Thread Size	1/2"-20	1/2"-20
Driver Side Mount	Foot (2 bolts req'd)	Foot (2 bolts req'd)
Passenger Side Mount	Strap	Strap
Spike Mount Center to Center Distance	N/A	N/A
Bellows Material	Rubber	Rubber
Bellows Part No.	FR1501B (pair)	FR1501B (pair)
Bushing Part No.	N/A	N/A
Outer End Part No.	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)
Part No.	FR1502	FR1502C	FR1502-5	FR1502-5C
OEM Design Style	74-78 Ford Mustang	74-78 Ford Mustang	74-78 Ford Mustang	74-78 Ford Mustang
Steering Design	Front Steer	Front Steer	Front Steer	Front Steer
Total Weight	14 lbs.	14 lbs.	14 lbs.	14 lbs.
Housing Material	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum
Tube Material	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
Tube Plating	Chrome	Chrome	Chrome	Chrome
Rack Gain	1.36" per turn	1.36" per turn	1.36" per turn	1.36" per turn
No. Turns Lock-to-Lock	3.92	3.92	3.92	3.92
Total Rack Travel	5.34"	5.34"	5.34"	5.34"
Overall Length (end to end)	45"	45"	45"	45"
Housing Length	20-7/8"	20-7/8"	20-7/8"	20-7/8"
Housing O.D.	2.100" (both ends)	2.100" (both ends)	2.100" (both ends)	2.100" (both ends)
Tube O.D. (passenger side)	N/A	N/A	N/A	N/A
Input Shaft Angle	72°	72°	72°	72°
Input Shaft Spline Size	9/16"-26	9/16"-26	9/16"-26	9/16"-26
Input Shaft Length	6.44"	6.44"	1.5"	1.5"
Pivot Points	24.5"	24.5"	24.5"	24.5"
Inner End Diameter	14mm (.551")	14mm (.551")	14mm (.551")	14mm (.551")
Inner End Thread Size	9/16"-18	9/16"-18	9/16"-18	9/16"-18
Driver Side Mount	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)
Passenger Side Mount	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)
Spike Mount Center to Center Distance	16.00"	16.00"	16.00"	16.00"
Bellows Material	Nitrile Rubber	Nitrile Rubber	Nitrile Rubber	Nitrile Rubber
Bellows Part No.	FR1502B (pair)	FR1502B (pair)	FR1502B (pair)	FR1502B (pair)
Bushing Part No.	FR1600 (2 req'd)	FR1600 (2 req'd)	FR1600 (2 req'd)	FR1600 (2 req'd)
Outer End Part No.	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"
Part No.	FR1502-2X2	FR1502-2X2.5	FR1502-3X3	FR1502-4X4
OEM Design Style	74-78 Ford Mustang	74-78 Ford Mustang	74-78 Ford Mustang	74-78 Ford Mustang
Steering Design	Front Steer	Front Steer	Front Steer	Front Steer
Total Weight	15 lbs.	15 lbs.	15 lbs.	15 lbs.
Housing Material	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum
Tube Material	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
Tube Plating	Chrome	Chrome	Chrome	Chrome
Rack Gain	1.36" per turn	1.36" per turn	1.36" per turn	1.36" per turn
No. Turns Lock-to-Lock	3.92	4.29	3.92	3.92
Total Rack Travel	5.34"	5.84"	5.34"	5.34"
Overall Length (end to end)	43"	42.5"	42"	41"
Housing Length	18.875"	18.375"	17.875"	16.875"
Housing O.D.	2.1" Both Ends	2.1" Both Ends	2.1" Both Ends	2.1" Both Ends
Tube O.D. (passenger side)	N/A	N/A	N/A	N/A
Input Shaft Angle	72°	72°	72°	72°
Input Shaft Spline Size	9/16"-26	9/16"-26	9/16"-26	9/16"-26
Input Shaft Length	1.5"	1.5"	1.5"	1.5"
Pivot Points	22.5"	22.5"	21.5"	20.5"
Inner End Diameter	14mm (.551")	14mm (.551")	14mm (.551")	14mm (.551")
Inner End Thread Size	9/16"-18	9/16"-18	9/16"-18	9/16"-18
Driver Side Mount	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)
Passenger Side Mount	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)
Spike Mount Center to Center Distance	14"	13.5"	13"	12"
Bellows Material	Nitrile Rubber	Nitrile Rubber	Nitrile Rubber	Nitrile Rubber
Bellows Part No.	FR1502B (pair)	FR1502B (pair)	FR1502B (pair)	FR1502B (pair)
Bushing Part No.	FR1600 (2 req'd)	FR1600 (2 req'd)	FR1600 (2 req'd)	FR1600 (2 req'd)
Outer End Part No.	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
Part No.	FR1503	FR1503-5	FR1503-3X3	FR1520
OEM Design Style	79-93 Ford Mustang	79-93 Ford Mustang	79-93 Ford Mustang	79-93 Ford Mustang
Steering Design	Front Steer	Front Steer	Front Steer	Front Steer
Total Weight	15 lbs	15 lbs	15 lbs	15 lbs
Housing Material	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum
Tube Material	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
Tube Plating	Chrome	Chrome	Chrome	Chrome
Rack Gain	1.44" per turn	1.44" per turn	1.44" per turn	1.75" per turn
No. Turns Lock-to-Lock	3.98	3.98	3.98	3.1
Total Rack Travel	5.75"	5.75"	5.75"	5.5"
Overall Length (end to end)	44"	44"	42"	43.75"
Housing Length	20-3/8"	20-3/8"	17-3/8"	20-3/8"
Housing O.D.	2.100 (both ends)	2.100 (both ends)	2.100 (both ends)	2.100 (both ends)
Tube O.D. (passenger side)	N/A	N/A	N/A	N/A
Input Shaft Angle	72°	72°	72°	72°
Input Shaft Spline Size	9/16"-26	9/16"-26	9/16"-26	9/16"-26
Input Shaft Length	7.44"	1.5"	1.5"	6.56"
Pivot Points	24.5"	24.5"	21.5"	24.5"
Inner End Diameter	14mm (.551")	14mm (.551")	14mm (.551")	14mm (.551")
Inner End Thread Size	9/16"-18	9/16"-18	9/16"-18	9/16"-18
Driver Side Mount	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)
Passenger Side Mount	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)	Spike (bushing req'd)
Spike Mount Center to Center Distance	15.50"	15.50"	12.50"	15.50"
Bellows Material	Nitrile Rubber	Nitrile Rubber	Nitrile Rubber	Nitrile Rubber
Bellows Part No.	FR1502B (pair)	FR1502B (pair)	FR1502B (pair)	FR1502B (pair)
Bushing Part No.	FR1600 (2 req'd)	FR1600 (2 req'd)	FR1600 (2 req'd)	FR1600 (2 req'd)
Outer End Part No.	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
Part No.	FR1508	FR1508Q
OEM Design Style	94-04 Ford Mustang	94-04 Ford Mustang
Steering Design	Front Steer	Front Steer
Total Weight	12 lbs.	12 lbs.
Housing Material	Die Cast Aluminum	Die Cast Aluminum
Tube Material	Carbon Steel	Carbon Steel
Tube Plating	Chrome	Chrome
Rack Gain	1.44" per turn	1.75" per turn
No. Turns Lock-to-Lock	4	3.32
Total Rack Travel	5.5"	5.5"
Overall Length (end to end)	48.5"	47.5"
Housing Length	20-3/8"	20-3/8"
Housing O.D.	2.100" (both ends)	2.100" (both ends)
Tube O.D. (passenger side)	N/A	N/A
Input Shaft Angle	72°	72°
Input Shaft Spline Size	9/16"-26	9/16"-26
Input Shaft Length	4.625" from cap	5.375" from cap
Pivot Points	24.5"	24.5"
Inner End Diameter	0.590"	0.590"
Inner End Thread Size	9/16"-18	9/16"-18
Driver Side Mount	Spike (bushing req'd)	Spike (bushing req'd)
Passenger Side Mount	Spike (bushing req'd)	Spike (bushing req'd)
Spike Mount Center to Center Distance	15.50"	15.50"
Bellows Material	Nitrile Rubber	Nitrile Rubber
Bellows Part No.	FR1502B (pair)	FR1502B (pair)
Bushing Part No.	FR1600 (2 req'd)	FR1600 (2 req'd)
Outer End Part No.	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
Part No.	FR1507-3	FR1507-3-5	FR1507-2	FR1507-2-5
OEM Design Style	78-83 Dodge Omni	78-83 Dodge Omni	78-83 Dodge Omni	78-83 Dodge Omni
Steering Design	Rear Steer	Rear Steer	Rear Steer	Rear Steer
Total Weight	14 lbs	14 lbs	14 lbs	14 lbs
Housing Material	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum	Die Cast Aluminum
Tube Material	Carbon Steel	Carbon Steel	Carbon Steel	Carbon Steel
Tube Plating	Chrome	Chrome	Chrome	Chrome
Rack Gain	1.125"	1.125"	1.125"	1.125"
No. Turns Lock-to-Lock	4	4	4	4
Total Rack Travel	5.00"	5.00"	5.00"	5.00"
Overall Length (end to end)	41.7"	41.7"	45"	45"
Housing Length	18"	18"	18"	18"
Housing O.D.	1.35"	1.35"	1.35"	1.35"
Tube O.D. (passenger side)	N/A	N/A	N/A	N/A
Input Shaft Angle	72°	72°	72°	72°
Input Shaft Spline Size	9/16"-26	9/16"-26	9/16"-26	9/16"-26
Input Shaft Length	3.5" from cap	1.5" from cap	3.5" from cap	1.5" from cap
Pivot Points	23.77"	23.77"	23.77"	23.77"
Inner End Diameter	14mm (.551")	14mm (.551")	14mm (.551")	14mm (.551")
Inner End Thread Size	9/16"-18	9/16"-18	9/16"-18	9/16"-18
Driver Side Mount	Foot (2 bolts req'd)	Foot (2 bolts req'd)	Foot (2 bolts req'd)	Foot (2 bolts req'd)
Passenger Side Mount	Clamp	Clamp	Clamp	Clamp
Spike Mount Center to Center Distance	N/A	N/A	N/A	N/A
Bellows Material	Nitrile Rubber	Nitrile Rubber	Nitrile Rubber	Nitrile Rubber
Bellows Part No.	FR1501B (pair)	FR1501B (pair)	FR1501B (pair)	FR1501B (pair)
Bushing Part No.	N/A	N/A	N/A	N/A
Outer End Part No.	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	
Part No.	FR1515
OEM Design Style	2005-2015 Mustang
Steering Design	Front Steer
Total Weight	20 lbs
Housing Material	Cast Aluminum
Tube Material	Steel
Tube Plating	Chrome
Rack Gain	1.3" per turn
No. Turns Lock-to-Lock	4.25 - 4.5
Total Rack Travel	5.75"
Overall Length (end to end)	54.38"
Housing Length	23.63"
Housing O.D.	2.1"
Tube O.D. (passenger side)	N/A
Input Shaft Angle	72°
Input Shaft Spline Size	9/16"-26
Input Shaft Length	7.44"
Pivot Points	Approx. 30"
Inner End Diameter	14mm (.551")
Inner End Thread Size	M14 X 1.5
Driver Side Mount	Spike
Passenger Side Mount	Spike
Spike Mount Center to Center Distance	14.00"
Bellows Material	Nitrile Rubber
Bellows Part No.	FR1502-B
Bushing Part No.	N/A
Outer End Part No.	Requires stock outer ends