

MATTRACKS SALES, INC

MATTRACKS
Model 105-M1
COMPACT, MIDSIZE 4X4 TRUCK OR SUV

For Vehicles up to 10,500 lbs.
or 4,760 kg GVW



SPECIFICATIONS

Model 105-M1

Exclusive Anti-Torque System	Rubber Torsion - Anti Torque
Frame Construction	Steel
Assembly Weight	1,340 lbs. @ 335 lbs. ea. (610 kg @ 153 kg ea.)
Type of Vehicle***	Compact, Midsize 4x4 Truck or SUV
Recommended Max Gross Wt.****	10,500 lbs. (4,760 kg) GVW, 5,250 lbs. (2,380 kg) per axle
Internal Suspension	Concentric Pivot - Rigid
Track Tread Width	16 in. (406 mm)
Tread Style	All-Terrain Self-Cleaning
Track Material	Rubber with Internal Composite Rods/Cord
Recommended Operating Temperature	(Ambient) -38°F to +130°F (-40°C to +55°C)
Overall Width Increase from Standard*	15 in. to 18 in. (380 mm to 460 mm)
Increase Ground Clearance*	1-1/2 in. to 6 in. (40 mm to 150 mm)
Mattracks Position Vehicle Over Axle Center @19.75 in. (500 mm)	
Lowers Center of Gravity*	1-1/2 in. to 2-1/2 in. (40 mm to 60 mm)
Ground Contact Length:	
(Hard Surface)	41 in. min. (1,040 mm min.)
(Soft Surface)	59 in. max. (1,500 mm max.)
Ground Contact Surface Area	2,624 sq. in. min. (16,900 sq. cm min.) 3,776 sq. in. max. (24,360 sq. cm max.)
Ground Pressure*	1.4 to 2.8 psi (9.6 to 19.3 kPa)
Sprocket Diameter	18.5 in. (470 mm)
Gear-Reduction	1/3 Increase in Gear Reduction on Vehicle with 30 in. (760 mm) Standard Tire
Wheels (Double Shielded & Sealed Bearing)	8 in. x 2 in. HD Extra Seals (10/corner, 2 rows)
Wheel Material	UHMW and Rubber
Paint (color)	Yellow-Standard (Other Colors - "Optional") E Coat Corrosion (Resistance - "Optional")

PERFORMANCE

Recommended Max. Speed**	40 mph (64 km/h)
Turning Radius	Same as original vehicle
Approach Angle*	Up to 90°
Departure Angle*	Up to 80°
Side Slope Capacity (Roll over)*	68%
Maximum Operating Side Slope (Grade)*	25%
Terrain - All Terrain Including Hard Surface	@ 10,500 lbs. (4,760 kg) GVW
Maximum Distance Off Road	Indefinite
Maximum Distance Hard Surface**	At Below 80°F (26°C): Indefinite At Above 80°F (26°C): 15 Miles @ 40 mph (22 km @ 64 km/h)



*Depending on vehicle **For maximum tread life
***Some vehicles may require slight alterations.
****Do not exceed manufacturer's vehicle capacities.

ALL SPECIFICATIONS ARE APPROXIMATE, YOUR VEHICLE'S PERFORMANCE MAY DIFFER. WE RESERVE THE RIGHT TO MAKE CHANGES OR MODIFICATIONS WITHOUT NOTIFICATION

2-4-08 Copyright Mattracks, Inc., Karlstad, MN