



2020 RAM 1500 Towing Chart

RAM 1500 4X2 QUAD CAB: HFE 6'4" BOX

Engine	Transmission	SRW/DRW	Axle Ratio	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
						Total	Front	Rear	Front	Rear			
3.6L V-6	A8 845RE	SRW	3.21	6010	1200	4809.80	2732.37	2077.43	3,700	4,100	11,900	11,900	6,720

RAM 1500 4X2 QUAD CAB: TRADESMAN 6'4" BOX

Engine	Transmission	SRW/DRW	Axle Ratio	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
						Total	Front	Rear	Front	Rear			
3.6L V-6	A8 845RE	SRW	3.55	7100	2300	4804.74	2737.13	2067.61	3,700	4,100	12,900	12,900	7,710
3.0L V-6 ECODIESEL	A8 8HP75	SRW	3.21	7200	2040	5160.07	3030.15	2129.92	3,700	4,100	13,900	13,900	8,370
3.0L V-6 ECODIESEL	A8 8HP75	SRW	3.92	7200	2040	5160.07	3030.15	2129.92	3,700	4,100	15,600	15,600	10,070
3.0L V-6 ECODIESEL	A8 8HP75	SRW	3.92	7200	2040	5160.07	3030.15	2129.92	3,700	4,100	18,092	18,200	12,560
5.7L V-8 HEMI*	A8 8HP75	SRW	3.21	6900	1900	4997.46	2921.07	2076.39	3,700	4,100	13,900	13,900	8,520
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	6900	1900	4997.46	2921.07	2076.39	3,700	4,100	13,900	13,900	8,520
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	6900	1900	4997.46	2921.07	2076.39	3,700	4,100	17,000	17,000	11,620
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	6900	1900	4997.46	2921.07	2076.39	3,700	4,100	17,000	17,000	11,620
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	6900	1820	5078.24	2978.74	2099.50	3,700	4,100	13,900	13,900	8,440

RAM 1500 4X2 QUAD CAB: TRADESMAN 6'4" BOX (CONTINUED)

Engine	Transmission	SRW/DRW	Axle Ratio	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
						Total	Front	Rear	Front	Rear			
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	6900	1820	5078.24	2978.74	2099.50	3,700	4,100	13,900	13,900	8,440
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	6900	1820	5078.24	2978.74	2099.50	3,700	4,100	17,000	17,000	11,540
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	6900	1820	5078.24	2978.74	2099.50	3,700	4,100	17,000	17,000	11,540
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	6900	1820	5078.24	2978.74	2099.50	3,700	4,100	18,208	18,350	12,750
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	6900	1820	5078.24	2978.74	2099.50	3,700	4,100	18,208	18,350	12,750

RAM 1500 4X2 CREW CAB: TRADESMAN 6'4" BOX

Engine	Transmission	SRW/DRW	Axle Ratio	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
						Total	Front	Rear	Front	Rear			
3.6L V-6	A8 845RE	SRW	3.21	6900	1960	4944.61	2823.08	2121.53	3,700	4,100	11,900	11,900	6,580
3.6L V-6	A8 845RE	SRW	3.55	6900	1960	4944.61	2823.08	2121.53	3,700	4,100	12,900	12,900	7,580
3.0L V-6 ECODIESEL	A8 8HP75	SRW	3.21	7000	1740	5264.61	3125.09	2139.52	3,700	4,100	13,900	13,900	8,250
3.0L V-6 ECODIESEL	A8 8HP75	SRW	3.92	7000	1740	5264.61	3125.09	2139.52	3,700	4,100	15,600	15,600	9,950
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	6900	1770	5131.07	3009.25	2121.82	3,700	4,100	13,900	13,900	8,390
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	6900	1770	5131.07	3009.25	2121.82	3,700	4,100	13,900	13,900	8,390
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	6900	1770	5131.07	3009.25	2121.82	3,700	4,100	17,000	17,000	11,490

RAM 1500 4X2 CREW CAB: TRADESMAN 6'4" BOX (CONTINUED)

Engine	Transmission	SRW/DRW	Axle Ratio	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
						Total	Front	Rear	Front	Rear			
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	6900	1770	5131.07	3009.25	2121.82	3,700	4,100	17,000	17,000	11,490
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	6900	1680	5216.96	3049.94	2167.02	3,700	4,100	13,900	13,900	8,300
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	6900	1680	5216.96	3049.94	2167.02	3,700	4,100	13,900	13,900	8,300
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	6900	1680	5216.96	3049.94	2167.02	3,700	4,100	17,000	17,000	11,400
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	6900	1680	5216.96	3049.94	2167.02	3,700	4,100	17,000	17,000	11,400

RAM 1500 4X2 CREW CAB: TRADESMAN 5'7" BOX

Engine	Transmission	SRW/DRW	Axle Ratio	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
						Total	Front	Rear	Front	Rear			
3.6L V-6	A8 845RE	SRW	3.21	6900	2000	4901.98	2760.90	2141.08	3,700	4,100	11,900	11,900	6,620
3.6L V-6	A8 845RE	SRW	3.55	6900	2000	4901.98	2760.90	2141.08	3,700	4,100	12,900	12,900	7,620
3.0L V-6 ECODIESEL	A8 8HP75	SRW	3.21	7000	1780	5220.33	3061.04	2159.29	3,700	4,100	13,900	13,900	8,210
3.0L V-6 ECODIESEL	A8 8HP75	SRW	3.92	7000	1780	5220.33	3061.04	2159.29	3,700	4,100	15,600	15,600	9,910
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	6900	1810	5086.79	2945.20	2141.59	3,700	4,100	13,900	13,900	8,440
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	6900	1810	5086.79	2945.20	2141.59	3,700	4,100	13,900	13,900	8,440
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	6900	1810	5086.79	2945.20	2141.59	3,700	4,100	17,000	17,000	11,540

RAM 1500 4X2 CREW CAB: TRADESMAN 5'7" BOX (CONTINUED)

Engine	Transmission	SRW/DRW	Axle Ratio	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
						Total	Front	Rear	Front	Rear			
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	6900	1810	5086.79	2945.20	2141.59	3,700	4,100	17,000	17,000	11,540
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	6900	1720	5176.82	3006.87	2169.95	3,700	4,100	13,900	13,900	8,300
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	6900	1720	5176.82	3006.87	2169.95	3,700	4,100	13,900	13,900	8,300
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	6900	1720	5176.82	3006.87	2169.95	3,700	4,100	17,000	17,000	11,400
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	6900	1720	5176.82	3006.87	2169.95	3,700	4,100	17,000	17,000	11,400

RAM 1500 4X4 QUAD CAB: TRADESMAN 6'4" BOX

Engine	Transmission	SRW/DRW	Axle Ratio	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
						Total	Front	Rear	Front	Rear			
3.6L V-6	A8 845RE	SRW	3.21	6800	1810	4993.77	2901.45	2092.32	3,900	4,100	11,900	11,900	6,460
3.6L V-6	A8 845RE	SRW	3.55	6800	1810	4993.77	2901.45	2092.32	3,900	4,100	12,900	12,900	7,460
3.0L V-6 ECODIESEL	A8 8HP75	SRW	3.21	7100	1750	5353.51	3189.06	2164.45	3,900	4,100	13,900	13,900	8,160
3.0L V-6 ECODIESEL	A8 8HP75	SRW	3.92	7100	1750	5353.51	3189.06	2164.45	3,900	4,100	15,600	15,600	9,860
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	7100	1910	5191.28	3086.40	2104.88	3,900	4,100	13,900	13,900	8,310
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	7100	1910	5191.28	3086.40	2104.88	3,900	4,100	13,900	13,900	8,310
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	7100	1910	5191.28	3086.40	2104.88	3,900	4,100	17,000	17,000	11,410

RAM 1500 4X4 QUAD CAB: TRADESMAN 6'4" BOX (CONTINUED)

Engine	Transmission	SRW/DRW	Axle Ratio	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
						Total	Front	Rear	Front	Rear			
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	7100	1910	5191.28	3086.40	2104.88	3,900	4,100	17,000	17,000	11,410
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	7100	1820	5278.23	3150.25	2127.98	3,900	4,100	13,900	13,900	8,220
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	7100	1820	5278.23	3150.25	2127.98	3,900	4,100	13,900	13,900	8,220
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	7100	1820	5278.23	3150.25	2127.98	3,900	4,100	17,000	17,000	11,320
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	7100	1820	5278.23	3150.25	2127.98	3,900	4,100	17,000	17,000	11,320

RAM 1500 4X4 CREW CAB: TRADESMAN 6'4" BOX

Engine	Transmission	SRW/DRW	Axle Ratio	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
						Total	Front	Rear	Front	Rear			
3.6L V-6	A8 845RE	SRW	3.21	6900	1770	5125.12	2993.75	2131.37	3,900	4,100	11,900	11,900	6,390
3.6L V-6	A8 845RE	SRW	3.55	6900	1770	5125.12	2993.75	2131.37	3,900	4,100	12,900	12,900	7,390
3.0L V-6 ECODIESEL	A8 8HP75	SRW	3.21	7200	1750	5448.39	3295.21	2153.18	3,900	4,100	13,900	13,900	7,850
3.0L V-6 ECODIESEL	A8 8HP75	SRW	3.92	7200	1750	5448.39	3295.21	2153.18	3,900	4,100	15,600	15,600	9,550
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	7100	1790	5314.85	3179.37	2135.48	3,900	4,100	13,900	13,900	8,200
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	7100	1790	5314.85	3179.37	2135.48	3,900	4,100	13,900	13,900	8,200
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	7100	1790	5314.85	3179.37	2135.48	3,900	4,100	17,000	17,000	11,300

RAM 1500 4X4 CREW CAB: TRADESMAN 6'4" BOX (CONTINUED)

Engine	Transmission	SRW/DRW	Axle Ratio	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
						Total	Front	Rear	Front	Rear			
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	7100	1790	5314.85	3179.37	2135.48	3,900	4,100	17,000	17,000	11,300
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	7100	1690	5413.14	3243.54	2169.60	3,900	4,100	13,900	13,900	7,990
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	7100	1690	5413.14	3243.54	2169.60	3,900	4,100	13,900	13,900	7,990
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	7100	1690	5413.14	3243.54	2169.60	3,900	4,100	17,000	17,000	11,090
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	7100	1690	5413.14	3243.54	2169.60	3,900	4,100	17,000	17,000	11,090

RAM 1500 4X4 CREW CAB: TRADESMAN 5'7" BOX

Engine	Transmission	SRW/DRW	Axle Ratio	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
						Total	Front	Rear	Front	Rear			
3.6L V-6	A8 845RE	SRW	3.21	6900	1810	5089.64	2916.73	2172.91	3,900	4,100	11,900	11,900	6,410
3.6L V-6	A8 845RE	SRW	3.55	6900	1810	5089.64	2916.73	2172.91	3,900	4,100	12,900	12,900	7,410
3.0L V-6 ECODIESEL	A8 8HP75	SRW	3.21	7200	1800	5398.16	3227.55	2170.61	3,900	4,100	13,900	13,900	8,010
3.0L V-6 ECODIESEL	A8 8HP75	SRW	3.92	7200	1800	5398.16	3227.55	2170.61	3,900	4,100	15,600	15,600	9,710
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	7100	1840	5264.62	3111.71	2152.91	3,900	4,100	13,900	13,900	8,190
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	7100	1840	5264.62	3111.71	2152.91	3,900	4,100	13,900	13,900	8,190
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	7100	1840	5264.62	3111.71	2152.91	3,900	4,100	17,000	17,000	11,290

RAM 1500 4X4 CREW CAB: TRADESMAN 5'7" BOX (CONTINUED)

Engine	Transmission	SRW/ DRW	Axle Ratio	GVWR	Payload	Base Weight			GAWR		GCW	GCWR	Max. Trailer Weight Rating
						Total	Front	Rear	Front	Rear			
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	7100	1840	5264.62	3111.71	2152.91	3,900	4,100	17,000	17,000	11,290
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	7100	1770	5334.44	3162.65	2171.79	3,900	4,100	13,900	13,900	8,120
5.7L V-8 HEMI	A8 8HP75	SRW	3.21	7100	1770	5334.44	3162.65	2171.79	3,900	4,100	13,900	13,900	8,120
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	7100	1770	5334.44	3162.65	2171.79	3,900	4,100	17,000	17,000	11,220
5.7L V-8 HEMI	A8 8HP75	SRW	3.92	7100	1770	5334.44	3162.65	2171.79	3,900	4,100	17,000	17,000	11,220

NOTES

- Payload and Max Trailer Weights are ESTIMATED values.**
- All weights are shown in pounds unless otherwise stated.**
- Payload and Max Trailer Weight values are rounded to the nearest 10 lb.**
- Payload = GVWR - Base Weight.**
- Trailer Weight Rating and Tow Vehicle Trailering Weight are calculated as specified in SAE J2807.**
 Passenger Weight = 300 lb.
 Options Weight is option content above 33 percent of sales volume.
 Trailer equipment weight = Class IV receiver hitch is 11.1 lb. (if not already included in options weight).
 Trailer Hitch is 10 lb. if TWR is less or equal to 5,000 lb. and 65 lb. if TWR is greater than 5,000 lb.
- Payload and Trailer Weight Rating are mutually exclusive.**
- GAWRs, GVWRs and GCWRs should never be exceeded.**
- The recommended tongue weight for a conventional hitch is 10 percent of the gross trailer weight.**
The maximum tongue weight for Class IV receiver hitch is limited to 1100 lb.
- Weight Distributing Hitch is recommended for trailers over 5,000 lb.**

WEIGHT TERM DEFINITIONS**33% Option Weight**

Combined weight of all production installed options that have a projected sales volume of more than 33% and comply with EPA rules.

Axle Ratio

The ratio between the driveshaft rpm and axle shaft rpm. The axle ratio is critical in the operation of the transmission/driveshaft/axle system that transmits engine torque to the driving wheels.

Base Weight

The weight of a standard equipped sales unit (vehicle line, body style, GVWR, engine, transmission & electrification) with full quantities of fuel, lubricant & coolant.

Gross Axle Weight Rating (GAWR)

The maximum weight to be carried by a single axle (front or rear).

Gross Combined Weight Rating (GCWR)

The maximum allowable weight of the towing vehicle and the loaded trailer – including all cargo and passengers – that the vehicle can handle without risking damage.

Gross Vehicle Weight Rating (GVWR)

The maximum allowable weight of the fully loaded vehicle.

Payload

The combined maximum allowable weight of options, cargo and passengers that the truck is designed to carry.

Tongue Weight

The weight a conventional trailer puts on the back of a tow vehicle. 10 percent of the trailer weight recommended for a conventional hitch trailer and 15 percent recommended for a gooseneck or fifth wheel trailer.

Trailer Weight Rating (TWR)

The maximum allowable weight of a trailer plus cargo that a vehicle configuration can handle.

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