# 2023 Ram 1500

## towing charts

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Engine** | **Transmission** | **SRW/ DRW** | **Axle Ratio** | **GVWR** | **Payload** | **Base Weight Total** | **Base Weight Front** | **Base Weight Rear** | **GAWR Front** | **GAWR Rear** | **GCW** | **GCWR** | **Max.  Trailer Weight Rating** |
| 3.6L V-6 | A8 850RE | SRW | 3.55 | 7100 | 2300 | 4770.82 | 2715.36 | 2055.45 | 3,700 | 4,100 | 12,900 | 12,900 | 7,690 |
| 3.0L V-6 ECODIESEL | A8 8HP75 | SRW | 3.21 | 7200 | 2090 | 5111.75 | 3022.55 | 2089.20 | 3,700 | 4,100 | 13,900 | 13,900 | 8,310 |
| 3.0L V-6 ECODIESEL | A8 8HP75 | SRW | 3.92 | 7200 | 2090 | 5111.75 | 3022.55 | 2089.20 | 3,700 | 4,100 | 15,600 | 15,600 | 10,010 |
| 3.0L V-6 ECODIESEL | A8 8HP75 | SRW | 3.92 | 7200 | 2090 | 5111.75 | 3022.55 | 2089.20 | 3,700 | 4,100 | 18,250 | 18,250 | 12,560 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.21 | 6900 | 1840 | 5056.24 | 2964.59 | 2091.64 | 3,700 | 4,100 | 13,900 | 13,900 | 8,450 |
| 5.7L V-8 HEMI® | A8 8HP75 | SRW | 3.21 | 6900 | 1930 | 4967.04 | 2897.24 | 2069.80 | 3,700 | 4,100 | 13,900 | 13,900 | 8,490 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.92 | 6900 | 1840 | 5056.24 | 2964.59 | 2091.64 | 3,700 | 4,100 | 17,000 | 17,000 | 11,560 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.92 | 6900 | 1930 | 4967.04 | 2897.24 | 2069.80 | 3,700 | 4,100 | 17,000 | 17,000 | 11,590 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.92 | 6900 | 1840 | 5056.24 | 2964.59 | 2091.64 | 3,700 | 4,100 | 18,350 | 18,350 | 12,750 |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Engine** | **Transmission** | **SRW/ DRW** | **Axle Ratio** | **GVWR** | **Payload** | **Base Weight Total** | **Base Weight Front** | **Base Weight Rear** | **GAWR Front** | **GAWR Rear** | **GCW** | **GCWR** | **Max.  Trailer Weight Rating** |
| 3.6L V-6 | A8 850RE | SRW | 3.21 | 6900 | 1990 | 4910.04 | 2797.76 | 2112.28 | 3,700 | 4,100 | 11,900 | 11,900 | 6,490 |
| 3.6L V-6 | A8 850RE | SRW | 3.55 | 6900 | 1990 | 4910.04 | 2797.76 | 2112.28 | 3,700 | 4,100 | 12,900 | 12,900 | 7,490 |
| 3.0L V-6 ECODIESEL | A8 8HP75 | SRW | 3.21 | 7000 | 1770 | 5232.96 | 3107.32 | 2125.64 | 3,700 | 4,100 | 13,900 | 13,900 | 8,130 |
| 3.0L V-6 ECODIESEL | A8 8HP75 | SRW | 3.92 | 7000 | 1770 | 5232.96 | 3107.32 | 2125.64 | 3,700 | 4,100 | 15,600 | 15,600 | 9,830 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.21 | 6900 | 1710 | 5188.30 | 3056.76 | 2131.54 | 3,700 | 4,100 | 13,900 | 13,900 | 8,210 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.21 | 6900 | 1810 | 5096.70 | 2994.28 | 2102.43 | 3,700 | 4,100 | 13,900 | 13,900 | 8,440 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.92 | 6900 | 1710 | 5188.30 | 3056.76 | 2131.54 | 3,700 | 4,100 | 17,000 | 17,000 | 11,310 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.92 | 6900 | 1810 | 5096.70 | 2994.28 | 2102.43 | 3,700 | 4,100 | 17,000 | 17,000 | 11,540 |

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

| **Engine** | **Transmission** | **SRW/ DRW** | **Axle Ratio** | **GVWR** | **Payload** | **Base Weight Total** | **Base Weight Front** | **Base Weight Rear** | **GAWR Front** | **GAWR Rear** | **GCW** | **GCWR** | **Max.  Trailer Weight Rating** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3.6L V-6 | A8 850RE | SRW | 3.21 | 6900 | 2030 | 4879.44 | 2744.47 | 2134.97 | 3,700 | 4,100 | 11,900 | 11,900 | 6,550 |
| 3.6L V-6 | A8 850RE | SRW | 3.55 | 6900 | 2030 | 4879.44 | 2744.47 | 2134.97 | 3,700 | 4,100 | 12,900 | 12,900 | 7,550 |
| 3.0L V-6 ECODIESEL | A8 8HP75 | SRW | 3.21 | 7000 | 1800 | 5202.35 | 3051.98 | 2150.37 | 3,700 | 4,100 | 13,900 | 13,900 | 8,110 |
| 3.0L V-6 ECODIESEL | A8 8HP75 | SRW | 3.92 | 7000 | 1800 | 5202.35 | 3051.98 | 2150.37 | 3,700 | 4,100 | 15,600 | 15,600 | 9,810 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.21 | 6900 | 1760 | 5136.98 | 2983.94 | 2153.04 | 3,700 | 4,100 | 13,900 | 13,900 | 8,200 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.21 | 6900 | 1840 | 5053.07 | 2928.22 | 2124.86 | 3,700 | 4,100 | 13,900 | 13,900 | 8,420 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.92 | 6900 | 1760 | 5136.98 | 2983.94 | 2153.04 | 3,700 | 4,100 | 17,000 | 17,000 | 11,300 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.92 | 6900 | 1840 | 5053.07 | 2928.22 | 2124.86 | 3,700 | 4,100 | 17,000 | 17,000 | 11,520 |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Engine** | **Transmission** | **SRW/ DRW** | **Axle Ratio** | **GVWR** | **Payload** | **Base Weight Total** | **Base Weight Front** | **Base Weight Rear** | **GAWR Front** | **GAWR Rear** | **GCW** | **GCWR** | **Max.  Trailer Weight Rating** |
| 3.6L V-6 | A8 850RE | SRW | 3.21 | 6800 | 1830 | 4970.07 | 2879.30 | 2090.77 | 3,900 | 4,100 | 11,900 | 11,900 | 6,500 |
| 3.6L V-6 | A8 850RE | SRW | 3.55 | 6800 | 1830 | 4970.07 | 2879.30 | 2090.77 | 3,900 | 4,100 | 12,900 | 12,900 | 7,500 |
| 3.0L V-6 ECODIESEL | A8 8HP75 | SRW | 3.21 | 7100 | 1820 | 5285.28 | 3179.60 | 2105.68 | 3,900 | 4,100 | 13,900 | 13,900 | 7,800 |
| 3.0L V-6 ECODIESEL | A8 8HP75 | SRW | 3.92 | 7100 | 1820 | 5285.28 | 3179.60 | 2105.68 | 3,900 | 4,100 | 15,600 | 15,600 | 9,700 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.21 | 7100 | 1840 | 5250.79 | 3136.68 | 2114.11 | 3,900 | 4,100 | 13,900 | 13,900 | 8,200 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.21 | 7100 | 1940 | 5164.79 | 3073.99 | 2090.80 | 3,900 | 4,100 | 13,900 | 13,900 | 8,240 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.92 | 7100 | 1840 | 5250.79 | 3136.68 | 2114.11 | 3,900 | 4,100 | 17,000 | 17,000 | 11,300 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.92 | 7100 | 1940 | 5164.79 | 3073.99 | 2090.80 | 3,900 | 4,100 | 17,000 | 17,000 | 11,340 |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Engine** | **Transmission** | **SRW/ DRW** | **Axle Ratio** | **GVWR** | **Payload** | **Base Weight Total** | **Base Weight Front** | **Base Weight Rear** | **GAWR Front** | **GAWR Rear** | **GCW** | **GCWR** | **Max.  Trailer Weight Rating** |
| 3.6L V-6 | A8 850RE | SRW | 3.21 | 6900 | 1790 | 5107.04 | 2975.76 | 2131.28 | 3,900 | 4,100 | 11,900 | 11,900 | 6,120 |
| 3.6L V-6 | A8 850RE | SRW | 3.55 | 6900 | 1790 | 5107.04 | 2975.76 | 2131.28 | 3,900 | 4,100 | 12,900 | 12,900 | 7,120 |
| 3.0L V-6 ECODIESEL | A8 8HP75 | SRW | 3.21 | 7200 | 1740 | 5454.52 | 3288.36 | 2166.16 | 3,900 | 4,100 | 13,900 | 13,900 | 7,760 |
| 3.0L V-6 ECODIESEL | A8 8HP75 | SRW | 3.92 | 7200 | 1740 | 5454.52 | 3288.36 | 2166.16 | 3,900 | 4,100 | 15,600 | 15,600 | 9,460 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.21 | 7100 | 1710 | 5397.44 | 3224.77 | 2172.66 | 3,900 | 4,100 | 13,900 | 13,900 | 7,800 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.21 | 7100 | 1800 | 5303.47 | 3163.26 | 2140.21 | 3,900 | 4,100 | 13,900 | 13,900 | 8,210 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.92 | 7100 | 1710 | 5397.44 | 3224.77 | 2172.66 | 3,900 | 4,100 | 17,000 | 17,000 | 10,900 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.92 | 7100 | 1800 | 5303.47 | 3163.26 | 2140.21 | 3,900 | 4,100 | 17,000 | 17,000 | 11,310 |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Engine** | **Transmission** | **SRW/ DRW** | **Axle Ratio** | **GVWR** | **Payload** | **Base Weight Total** | **Base Weight Front** | **Base Weight Rear** | **GAWR Front** | **GAWR Rear** | **GCW** | **GCWR** | **Max.  Trailer Weight Rating** |
| 3.6L V-6 | A8 850RE | SRW | 3.21 | 6900 | 1840 | 5063.29 | 2904.63 | 2158.66 | 3,900 | 4,100 | 11,900 | 11,900 | 6,320 |
| 3.6L V-6 | A8 850RE | SRW | 3.55 | 6900 | 1840 | 5063.29 | 2904.63 | 2158.66 | 3,900 | 4,100 | 12,900 | 12,900 | 7,320 |
| 3.0L V-6 ECODIESEL | A8 8HP75 | SRW | 3.21 | 7200 | 1820 | 5370.52 | 3205.62 | 2164.91 | 3,900 | 4,100 | 13,900 | 13,900 | 7,900 |
| 3.0L V-6 ECODIESEL | A8 8HP75 | SRW | 3.92 | 7200 | 1820 | 5370.52 | 3205.62 | 2164.91 | 3,900 | 4,100 | 15,600 | 15,600 | 9,600 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.21 | 7100 | 1800 | 5305.83 | 3140.65 | 2165.18 | 3,900 | 4,100 | 13,900 | 13,900 | 8,100 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.21 | 7100 | 1860 | 5246.04 | 3102.01 | 2144.03 | 3,900 | 4,100 | 13,900 | 13,900 | 8,170 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.92 | 7100 | 1800 | 5305.83 | 3140.65 | 2165.18 | 3,900 | 4,100 | 17,000 | 17,000 | 11,200 |
| 5.7L V-8 HEMI | A8 8HP75 | SRW | 3.92 | 7100 | 1860 | 5246.04 | 3102.01 | 2144.03 | 3,900 | 4,100 | 17,000 | 17,000 | 11,270 |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Engine** | **Transmission** | **SRW/ DRW** | **Axle Ratio** | **GVWR** | **Payload** | **Base Weight Total** | **Base Weight Front** | **Base Weight Rear** | **GAWR Front** | **GAWR Rear** | **GCW** | **GCWR** | **Max.  Trailer Weight Rating** |
| 3.6L V-6 | A8 850RE | SRW | 3.21 | 6010 | 1240 | 4768.99 | 2720.33 | 2048.66 | 3,700 | 4,100 | 11,900 | 11,900 | 6,760 |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Engine** | **Transmission** | **SRW/ DRW** | **Axle Ratio** | **GVWR** | **Payload** | **Base Weight Total** | **Base Weight Front** | **Base Weight Rear** | **GAWR Front** | **GAWR Rear** | **GCW** | **GCWR** | **Max.  Trailer Weight Rating** |
| 3.0L V-6 ECODIESEL | A8 8HP75 | SRW | 3.21 | 6990 | 1750 | 5244.21 | 3057.72 | 2186.49 | 3,700 | 4,100 | 13,900 | 13,900 | 8,290 |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Engine** | **Transmission** | **SRW/ DRW** | **Axle Ratio** | **GVWR** | **Payload** | **Base Weight Total** | **Base Weight Front** | **Base Weight Rear** | **GAWR Front** | **GAWR Rear** | **GCW** | **GCWR** | **Max.  Trailer Weight Rating** |
| 6.2L SUPER CHARGED V8 | A8 8HP75 | SRW | 3.55 | 7800 | 1310 | 6430.21 | 3690.17 | 2740.05 | 4,300 | 4,200 | 15,160 | 15,160 | 8,100 |

NOTES

1. **Payload and Max Trailer Weights are ESTIMATED values.**
2. **All weights are shown in pounds unless otherwise stated.**
3. **Payload and Max Trailer Weight values are rounded to the nearest 10 lb.**
4. **Payload = GVWR – Base Weight.**
5. **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.
6. **Payload and Trailer Weight Rating are mutually exclusive.**
7. **GAWRs, GVWRs and GCWRs should never be exceeded.**
8. **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.**
9. **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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