

FORD TRUCKS

BODYBUILDER BRIEFING BULLETIN



UBB202411 Weight Distribution on Axles and & Chassis CoG-Z Values Rev00 20240812



TRUCKS

Sharing the Load

This bulletin contains information on; weight distribution on axles according to **total maximum & minimum BKW values**, technical weight capacity of axles, maximum GVM values at Turkey Market and chassis CoG-Z values of Ford Trucks vehicles.

Information about the tables are as below;

- ❖ All weight values are given in “Kg” units.
- ❖ Wheelbase values are given in “mm” units.
- ❖ Vehicle base curb weight (BKW) values tolerances are +- 3%.
- ❖ Ground has been taken as reference for chassis CoG-Z values.
- ❖ For base curb weight (BKW) of the vehicles, the worst case scenarios are taken into consideration at BKW values of the vehicles. The weight distribution may change from vehicle to vehicle, between given values. Hence it's recommended to weight Ford Trucks vehicles before doing mounting any kind of upfit components on them.

It's requested to take these information into consideration while preparing upfits & making any design changes on upfits for Ford Trucks vehicles.

Construction & Road Truck Series Vehicle BKW Values

UBB202411 Weight Distribution on Axles & Chassis CoG-Z Values Rev00 20240812

Bodybuilder Briefing Bulletin Description

Vehicle Series	Wheelbase	BKW 1. Axle	BKW 2. Axle	BKW 3. Axle	BKW 4. Axle	BKW Total	BKW 1. Axle	BKW 2. Axle	BKW 3. Axle	BKW 4. Axle	Max. BKW Total	Max. GVM	Chassis CoG - Z Values
1833	3800 MM	4772	2032	0	0	6804	4468	2119	0	0	6587	19000	925
	4250 MM	4694	2612	0	0	7306	4187	2246	0	0	6433	19000	925
	4350 MM	4582	2830	0	0	7412	4288	2589	0	0	6877	19000	925
	4750 MM	4786	2849	0	0	7635	4451	2126	0	0	6577	19000	925
	5500 MM	4729	2697	0	0	7426	4401	2097	0	0	6498	19000	925
	6550 MM	4855	2424	0	0	7279	4425	2288	0	0	6713	19000	925
1833D	3800 MM	4738	2607	0	0	7346	4478	2427	0	0	6906	19000	930
	4250 MM	4662	2540	0	0	7203	4478	2457	0	0	6936	19000	930
	4350 MM	4987	2850	0	0	7838	4727	2670	0	0	7398	19000	930
	4750 MM	4629	2537	0	0	7166	4578	2498	0	0	7076	19000	930
1833P	4750 MM	4616	2605	0	0	7221	4536	2498	0	0	7034	19000	930
1842	4250 MM	5213	2712	0	0	7925	4921	2607	0	0	7528	19000	976
	4750 MM	5215	2727	0	0	7942	5194	2412	0	0	7605	19000	976
	5700 MM	6443	1819	0	0	8262	5311	2557	0	0	7868	19000	976
2533	4250 MM	4739	2124	1395	0	8258	4156	1817	1294	0	7267	25000	944
	4750 MM	4837	2467	1508	0	8812	4412	1695	1393	0	7500	25000	944
	5500 MM	5029	2063	1499	0	8591	4795	1860	1391	0	8046	25000	944
2533D	3800 MM	5238	2188	1662	0	9087	4842	2111	1590	0	8544	25000	944
	4250 MM	5168	2163	1638	0	8968	4976	2126	1605	0	8707	25000	944
2633	4250 MM	4977	2220	1084	0	8281	4534	2014	1005	0	7552	26000	944
	4750 MM	4968	1974	1432	0	8373	4682	1796	1294	0	7771	26000	944
	5500 MM	5002	2065	1460	0	8526	4650	2131	1055	0	7835	26000	944
	6000 MM	5102	2111	1477	0	8690	4866	1915	1233	0	8014	26000	944
2642T	4750 MM	5471	2652	1368	0	9492	4819	2139	1268	0	8226	26000	944
	5200 MM	5548	2098	1388	0	9034	5486	2067	1421	0	8974	26000	944
	5500 MM	5566	2204	1295	0	9066	5550	1987	1429	0	8967	26000	944
3233S	5200 MM	5287	1529	1944	1347	10047	4822	1176	1866	1508	9371	33000	951
	5900 MM	5143	1519	1991	1453	10105	4475	1290	1843	1639	9248	33000	951
3233SD	5100 MM	4254	2927	1715	1037	9934	4140	2870	1689	1014	8000	32000	951
3242S	5200 MM	5564	1638	1944	1347	10492	5494	1581	1908	1294	10276	33000	951
	5900 MM	5222	1501	2023	1641	10386	5079	1308	1924	1546	9857	33000	951
3333	4500 MM	4847	2355	2282	0	9482	4833	2291	2270	0	9394	34000	1050
3533M	3800 MM	4747	2294	2242	0	9283	4686	2280	2230	0	9196	34800	991

UBB202411 Weight Distribution on Axles & Chassis CoG-Z Values Rev00 20240812

Bodybuilder Briefing Bulletin Description

Vehicle Series	Wheelbase	BKW 1. Axle	BKW 2. Axle	BKW 3. Axle	BKW 4. Axle	BKW Total	BKW 1. Axle	BKW 2. Axle	BKW 3. Axle	BKW 4. Axle	Min. BWK Total	Max. GVM	Chassis CoG - Z Values
3542	4500 MM	5638	2361	2359	0	10358	4753	2303	2232	0	9286	34000	975
3542D	3800 MM	6062	2462	2453	0	10977	4821	2461	2462	0	9744	34000	976
	4500 MM	5888	2565	2540	0	10994	5577	2534	2473	0	10585	34000	976
3542D L	3300 MM	5707	2688	2675	0	11070	5013	1814	1805	0	8631	29000	1004
	3800 MM	5707	2748	2735	0	11190	5013	1874	1865	0	8751	29000	1004
3542M	3800 MM	5418	2367	2316	0	10101	5185	2333	2139	0	9657	34800	804
3542M L	3800 MM	5105	2231	2107	0	9443	4839	2086	1892	0	8817	29000	902
3542P	4500 MM	5754	2478	2498	0	10730	5586	2228	2228	0	10042	34000	961
3543	4500 MM	5645	2620	2064	0	10330	4837	2624	2258	0	9720	34000	975
	5200 MM	5460	2628	2352	0	10439	5251	2595	2393	0	10238	34000	975
3543D	3800 MM	5440	2518	2507	0	10465	5163	2286	2277	0	9725	34000	976
3543M	3800 MM	5508	2534	2483	0	10526	5231	2302	2253	0	9786	34000	804
4142D	4750 MM	4224	3982	2242	2071	12519	3561	3887	1920	1821	11189	44000	1056
	5100 MM	4399	3741	2282	2209	12630	3718	3984	1909	1810	11421	44000	1056
4142M	4750 MM	3590	3496	2104	1989	11180	3352	3465	1976	1864	10664	41900	922
	5100 MM	4373	4386	1773	1658	12194	3496	3480	1991	1899	10867	44000	922
4142M L	4300 MM	3301	3259	1712	1617	9894	3249	3143	1640	1548	9584	37000	940
	4750 MM	3316	3274	1772	1677	10044	3264	3158	1700	1608	9734	37000	940
	5100 MM	3331	3289	1822	1727	10174	3279	3173	1750	1658	9864	37000	940
4142P	5100 MM	3957	3931	2098	2095	12080	3874	3851	2048	2048	11822	44000	901
	6000 MM	3792	3611	2424	2404	12230	3835	3642	2432	2409	12317	41900	901
4142XD	4750 MM	4224	3982	2242	2071	12519	3561	3887	1920	1821	11189	44000	1056
	5100 MM	4399	3741	2282	2209	12630	3718	3984	1909	1810	11421	44000	1056
4143D	4750 MM	4176	3964	2194	2023	12357	3607	3880	1935	1836	11258	41900	1056
	5100 MM	4264	4012	2169	1998	12444	3743	3600	2028	2027	11398	44000	1056
4143M	5100 MM	4410	4383	1758	1643	12194	3901	4117	1479	1479	10977	44000	922
4145D L	4300 MM	3759	3542	1743	1739	10783	3555	3393	1483	1482	9913	37000	1095
	4750 MM	3759	3542	1848	1844	10993	3555	3393	1588	1587	10123	37000	1095
	5100 MM	3527	3918	1947	1804	11195	3647	3485	1508	1507	10147	37000	1095
4442D	4750 MM	4224	3982	2242	2071	12519	3561	3887	1920	1821	11189	44000	1056
	5100 MM	4399	3741	2282	2209	12630	3718	3984	1909	1810	11421	44000	1056
4442M	5100 MM	4373	4386	1773	1658	12194	3496	3480	1991	1899	10867	44000	922
4442P	5100 MM	3957	3931	2098	2095	12080	3874	3851	2048	2048	11822	44000	901
4445XD	5100 MM	3930	4259	2119	1976	12283	3730	4124	2067	1927	11847	44000	1056

Tractor Vehicle Series BKW Values

Vehicle Series	Wheelbase	BKW 1. Axle	BKW 2. Axle	BKW 3. Axle	BKW 4. Axle	Max. BKW Total	BKW 1. Axle	BKW 2. Axle	BKW 3. Axle	BKW 4. Axle	Min. BKW Total	Max. GVM	Chassis CoG - Z Values
1842T	3600 MM	6178	2504	0	0	8683	5348	2398	0	0	7746	18000	976
1843T	3600 MM	5557	2832	0	0	8773	5210	2542	0	0	7684	18000	976
1845T	3600 MM	5921	2618	0	0	8540	5253	2565	0	0	7818	19000	976
1848T	3600 MM	5822	3179	0	0	9001	5434	2248	0	0	7683	18000	976
1943T	3600 MM	5685	3094	0	0	8779	5227	2426	0	0	7653	19000	976
3542T	3800 MM	5729	2881	2471	0	11080	5342	2752	2434	0	10527	32000	975
3543T	3800 MM	5724	2990	2621	0	11334	5547	2911	2540	0	10997	32000	975
3548T	3800 MM	5878	3480	2714	0	12071	4938	2919	2546	0	10402	32000	975
F-Max	3600 MM	5960	2796	0	0	8756	5402	2122	0	0	7524	19000	976
F-Max Lowliner	3600 MM	5932	2790	0	0	8722	5611	2270	0	0	7881	19000	1027
F-Max Max Range	3750 MM	6049	3026	0	0	9075	5393	1975	0	0	7368	20000	1072

Construction & Road Truck Series Vehicle GVM Values

UBB202411 Weight Distribution on Axles & Chassis CoG-Z Values Rev00 20240812

Bodybuilder Briefing Bulletin Description

Vehicle Series	Wheelbase	Max. GVM. 1. Axle	Max. GVM. 2. Axle	Max. GVM. 3. Axle	Max. GVM. 4. Axle	Max. GVM	Chassis CoG - Z Values
1833	3800 MM	8000	12600	0	0	19000	925
	4250 MM	8000	12600	0	0	19000	925
	4350 MM	8000	12600	0	0	19000	925
	4750 MM	8000	12600	0	0	19000	925
	5500 MM	8000	12600	0	0	19000	925
	6550 MM	7500	12600	0	0	19000	925
1833D	3800 MM	8000	12600	0	0	19000	930
	4250 MM	8000	12600	0	0	19000	930
	4350 MM	8000	12600	0	0	19000	930
	4750 MM	8000	12600	0	0	19000	930
1833P	4750 MM	8000	12600	0	0	19000	930
1842	4250 MM	8000	12600	0	0	19000	976
	4750 MM	8000	12600	0	0	19000	976
	5700 MM	8000	12600	0	0	19000	976
2533	4250 MM	8000	12000	8700	0	25000	944
	4750 MM	8000	12000	8700	0	25000	944
	5500 MM	8000	12000	8700	0	25000	944
2533D	3800 MM	8000	11500	7500	0	25000	944
	4250 MM	8000	12600	10900	0	25000	944
2633	4250 MM	8000	11500	7500	0	26000	944
	4750 MM	8000	11500	7500	0	26000	944
	5500 MM	8000	11500	7500	0	26000	944
	6000 MM	8000	11500	7500	0	26000	944
2642T	4750 MM	8000	11500	7500	0	26000	944
	5200 MM	8000	11500	7500	0	26000	944
	5500 MM	8000	11500	7500	0	26000	944
3233S	5200 MM	8000	7100	12000	8700	33000	951
	5900 MM	8000	7100	12000	8700	33000	951
3233SD	5100 MM	7100	7100	12600	10900	32000	951
3242S	5200 MM	8000	7100	12600	10400	33000	951
	5900 MM	8000	7100	12600	10400	33000	951
3333	4500 MM	8000	13400	13400	0	34000	1050
3533M	3800 MM	8000	13400	13400	0	34800	991

UBB202411 Weight Distribution on Axles & Chassis CoG-Z Values Rev00 20240812

Bodybuilder Briefing Bulletin Description

Vehicle Series	Wheelbase	Max. GVM. 1. Axle	Max. GVM. 2. Axle	Max. GVM. 3. Axle	Max. GVM. 4. Axle	Max. GVM	Chassis CoG - Z Values
3542	4500 MM	9000	13400	13400	0	34000	975
3542D	3800 MM	9000	13400	13400	0	34000	976
	4500 MM	8000	13400	13400	0	34000	976
3542D L	3300 MM	8000	11500	11500	0	29000	1004
	3800 MM	8000	11500	11500	0	29000	1004
3542M	3800 MM	8000	13400	13400	0	34800	804
3542M L	3800 MM	8000	11500	11500	0	29000	902
3542P	4500 MM	9000	13400	13400	0	34000	961
3543	4500 MM	8000	13400	13400	0	34000	975
	5200 MM	8000	13400	13400	0	34000	975
3543D	3800 MM	8000	13400	13400	0	34000	976
3543M	3800 MM	8000	13400	13400	0	34000	804
4142D	4750 MM	9000	9000	13400	13400	44000	1056
	5100 MM	9000	9000	13400	13400	44000	1056
4142M	4750 MM	8000	8000	13400	13400	41900	922
	5100 MM	9000	9000	13400	13400	44000	922
4142M L	4300 MM	8000	8000	11500	11500	37000	940
	4750 MM	8000	8000	11500	11500	37000	940
	5100 MM	8000	8000	11500	11500	37000	940
4142P	5100 MM	9000	9000	13400	13400	44000	901
	6000 MM	8000	8000	13400	13400	41900	901
4142XD	4750 MM	8000	8000	13400	13400	44000	1056
	5100 MM	9000	9000	13400	13400	44000	1056
4143D	4750 MM	9000	9000	13400	13400	41900	1056
	5100 MM	9000	9000	13400	13400	44000	1056
4145D L	4300 MM	8000	8000	11500	11500	37000	1095
	4750 MM	8000	8000	11500	11500	37000	1095
	5100 MM	8000	8000	11500	11500	37000	1095
4143M	5100 MM	9000	9000	13400	13400	44000	922
4442D	4750 MM	9000	9000	13400	13400	44000	1056
	5100 MM	9000	9000	13400	13400	44000	1056
4442M	5100 MM	9000	9000	13400	13400	44000	922
4442P	5100 MM	9000	9000	13400	13400	44000	901
4445XD	5100 MM	9000	9000	13400	13400	44000	1056

Tractor Vehicle Series GVM Values

UBB202411 Weight Distribution on Axles & Chassis CoG-Z Values Rev00 20240812

Bodybuilder Briefing Bulletin Description

Vehicle Series	Wheelbase	Max. GVM. 1. Axle	Max. GVM. 2. Axle	Max. GVM. 3. Axle	Max. GVM. 4. Axle	Max. GVM	Chassis CoG - Z Values
1842T	3600 MM	8000	12600	0	0	18000	976
1843T	3600 MM	8000	12600	0	0	18000	976
1845T	3600 MM	8000	12600	0	0	19000	976
1848T	3600 MM	8000	12600	0	0	18000	976
1943T	3600 MM	8000	12600	0	0	19000	976
3542T	3800 MM	8000	13400	13400	0	32000	975
3543T	3800 MM	8000	13400	13400	0	32000	975
3548T	3800 MM	8000	13400	13400	0	32000	975
F-Max	3600 MM	8500	13500	0	0	20000	1072
F-Max Lowliner	3600 MM	7500	11650	0	0	19000	1027
F-Max Max Range	3750 MM	8000	12600	0	0	20000	1072