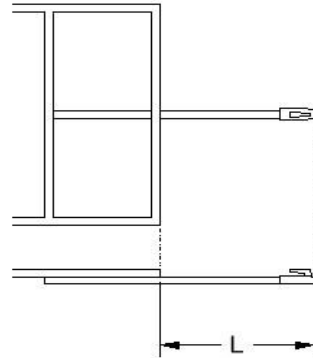


SIMPLE TONGUE STRENGTH TABLE

The figures in blue are the maximum loaded trailer weight for that tongue length. These are for welded mild steel tongues. Read in conjunction with the accompanying notes.

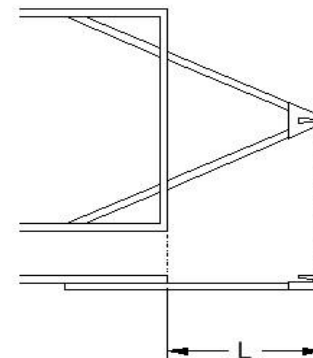
Single Tongue

	<i>Tongue length L</i>				
2" x 2" x 1/8" Square Tube	30"	36"	42"	48"	54"
Off-road	710	590	510	440	390
Braked road	990	820	710	620	550
Unbraked road	1490	1240	1060	930	820
2" x 2" x 3/16" Square Tube	30"	36"	42"	48"	54"
Off-road	940	780	670	590	520
Braked road	1310	1090	930	820	720
Unbraked road	1960	1640	1400	1230	1090
3" x 3" x 1/8" Square Tube	30"	36"	42"	48"	54"
Off-road	1750	1460	1250	1090	970
Braked road	2430	2030	1740	1520	1350
Unbraked road	3650	3040	2610	2280	2030



A-Frame

	<i>Tongue length L</i>				
2" x 2" x 1/8" Angle	30"	36"	42"	48"	54"
Off-road	380	310	270	230	210
Braked road	530	440	370	330	290
Unbraked road	790	660	560	490	440
2" x 2" x 3/16" Angle	30"	36"	42"	48"	54"
Off-road	550	460	390	340	300
Braked road	770	640	550	480	420
Unbraked road	1150	960	820	720	640
2" x 1" x 1/8" Rectangular Tube	30"	36"	42"	48"	54"
Off-road	820	680	590	510	450
Braked road	1140	950	810	710	630
Unbraked road	1720	1430	1220	1070	950
2" x 2" x 1/8" Square Tube	30"	36"	42"	48"	54"
Off-road	1430	1190	1020	890	790
Braked road	1990	1650	1420	1240	1100
Unbraked road	2980	2480	2130	1860	1650



Composite Tongue

	<i>Central-only Length L1 + Total Length L2</i>				
2" x 2" x 1/8" Square Tube Central Tongue + 2" x 2" x 1/8" Angle Diagonal Braces	24" + 36"	28" + 42"	32" + 48"	36" + 54"	40" + 60"
Off-road	890	760	660	590	530
Braked road	1240	1060	930	820	740
Unbraked road	1860	1590	1390	1240	1110
2" x 2" x 3/16" Square Tube Central Tongue + 2" x 2" x 3/16" Angle Diagonal Braces	24" + 36"	28" + 42"	32" + 48"	36" + 54"	40" + 60"
Off-road	1180	1010	880	780	700
Braked road	1640	1400	1230	1090	980
Unbraked road	2460	2100	1840	1640	1470
3" x 3" x 1/8" Square Tube Central Tongue + 2" x 2" x 1/8" Square Tube Diagonal Braces	24" + 36"	28" + 42"	32" + 48"	36" + 54"	40" + 60"
Off-road	2190	1870	1640	1460	1310
Braked road	3040	2610	2280	2020	1820
Unbraked road	4560	3900	3420	3040	2740

