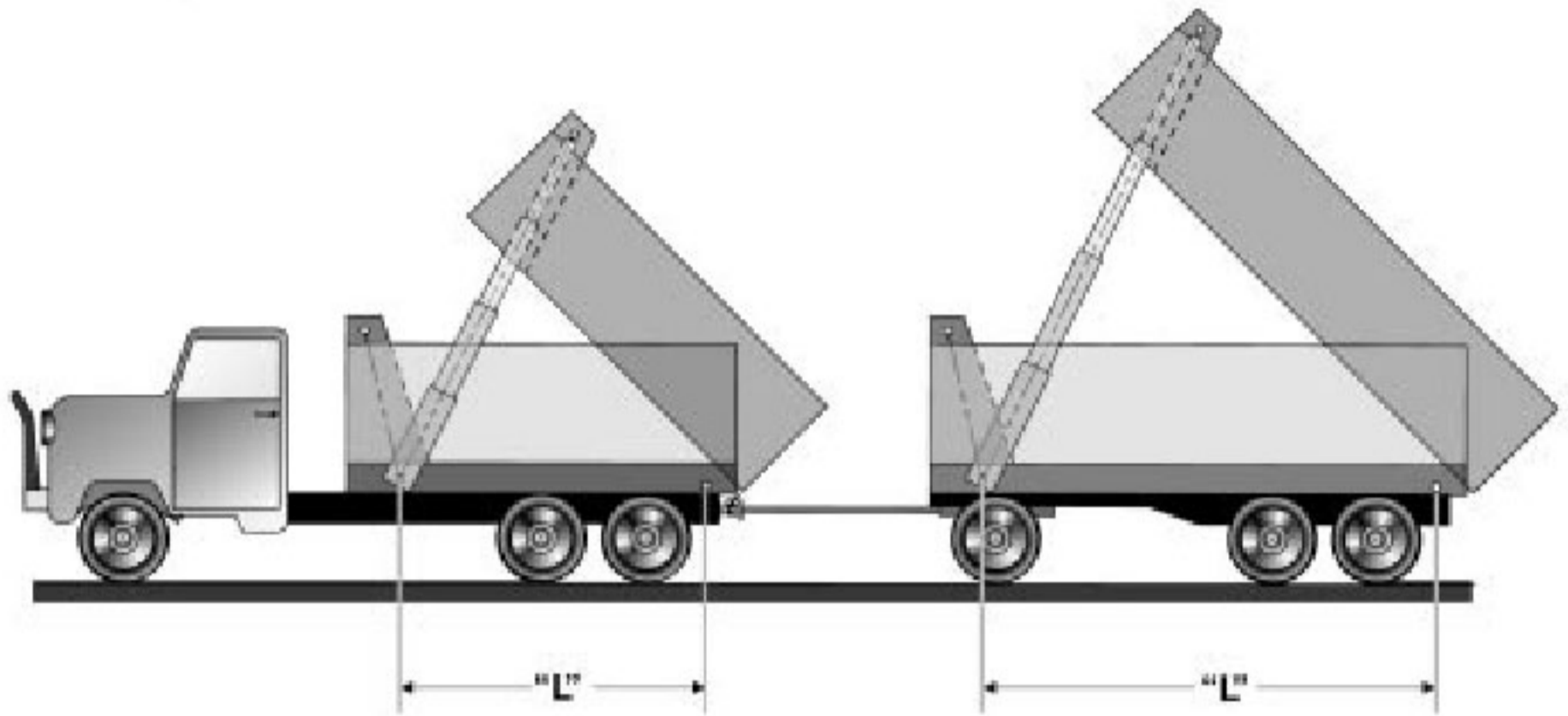




HOIST HYDRAULICS (VIC) PTY. LTD.



DIMENSION "L" AND ANGLE OF TIP KNOWN

TO FIND RAM STROKE

(40°)	STROKE = L x .68
(45°)	STROKE = L x .76
(47.5°)	STROKE = L x .80
(50°)	STROKE = L x .84
(55°)	STROKE = L x .92

STROKE AND ANGLE OF TIP KNOWN

TO FIND DIM "L"

(40°)	L = STROKE x 1.47
(45°)	L = STROKE x 1.32
(47.5°)	L = STROKE x 1.25
(50°)	L = STROKE x 1.19
(55°)	L = STROKE x 1.09

DIMENSION "L" AND STROKE KNOWN

$$\frac{\text{STROKE} \times 59}{\text{DIM "L"}} = \text{ANGLE OF TIP}$$

CONVERSIONS

1 psi = 6.8948 kpa = 0.0703 kg/cm ² = 0.06895 bar
1 bar = 100 kpa = 14.503 psi = 1.0196 kg/cm ²
1 Mpa = 10 bar = 145.03 psi = 10.19 kg/cm ²
1 gal (imp) = 4.546 L = 277.43 in ³
1 gal (us) = 3.79 L = 231 in ³
1 tonne = 1000 kg = 2205 lbs
1 ton (long) = 1016 kg = 2240 lbs
1 lbf = 4.4482 N 1 kgf = 9.807 N
1 in ² = 6.4516 cm ²
1 hp (imp) = 745.7 W
1 inch = 25.40 mm 1 ft = 0.3048 m
1 kg = 2.205 lbs 1 lbs = 0.454 kg
1 kgm = 9.807 Nm
1 ft lb = 0.1383 kgm = 1.356 Nm
1 gpm (us) = 0.833 gpm (imp) = 3.792 litre/min
1 m/s = 3.281 ft/s = 2.237 MPH

MASS FOR MILD STEEL IS 7850 Kg/m³