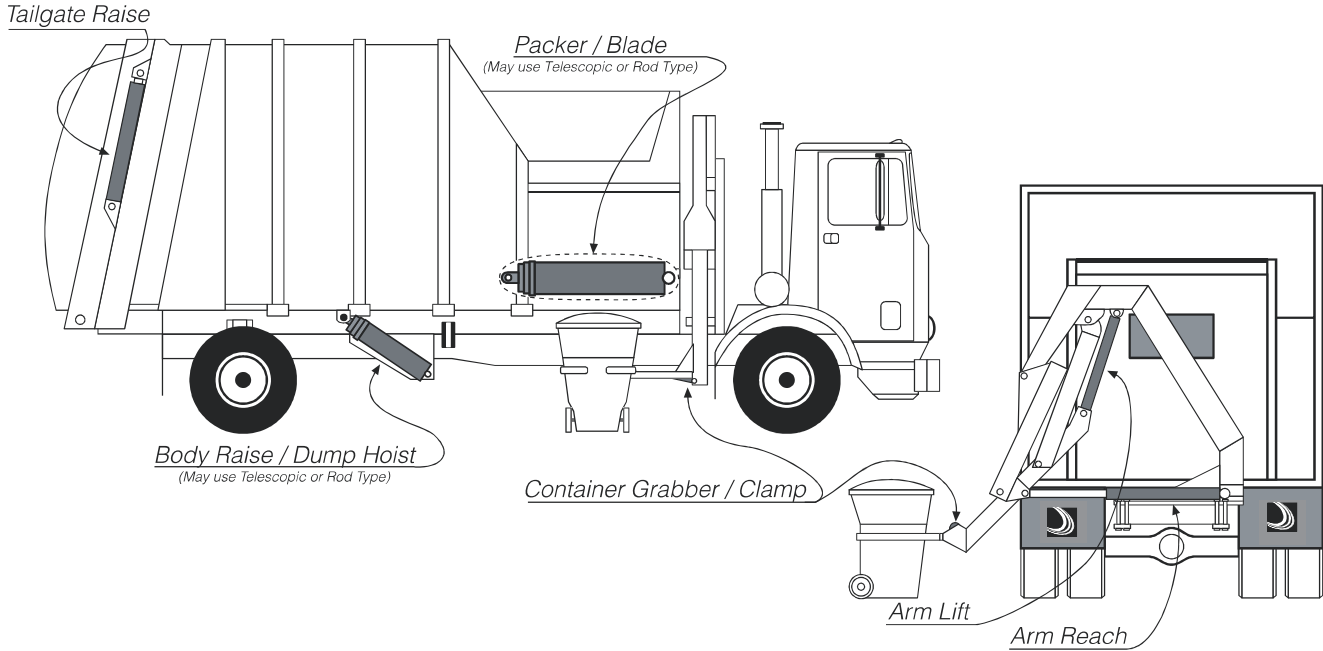
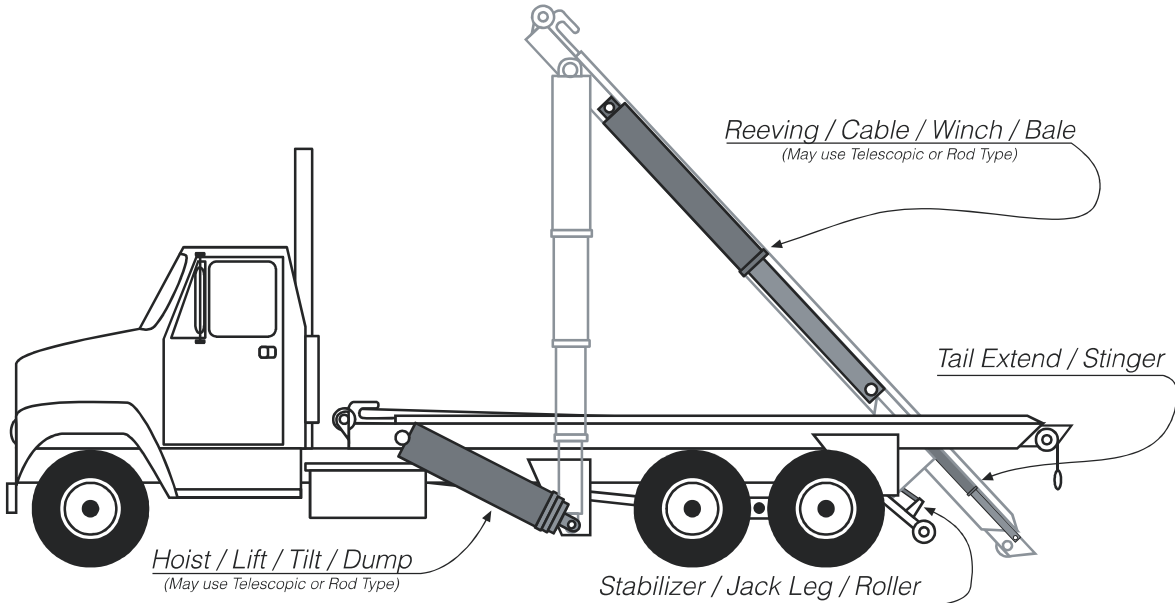


REFUSE BODIES

Side Loader Refuse Bodies



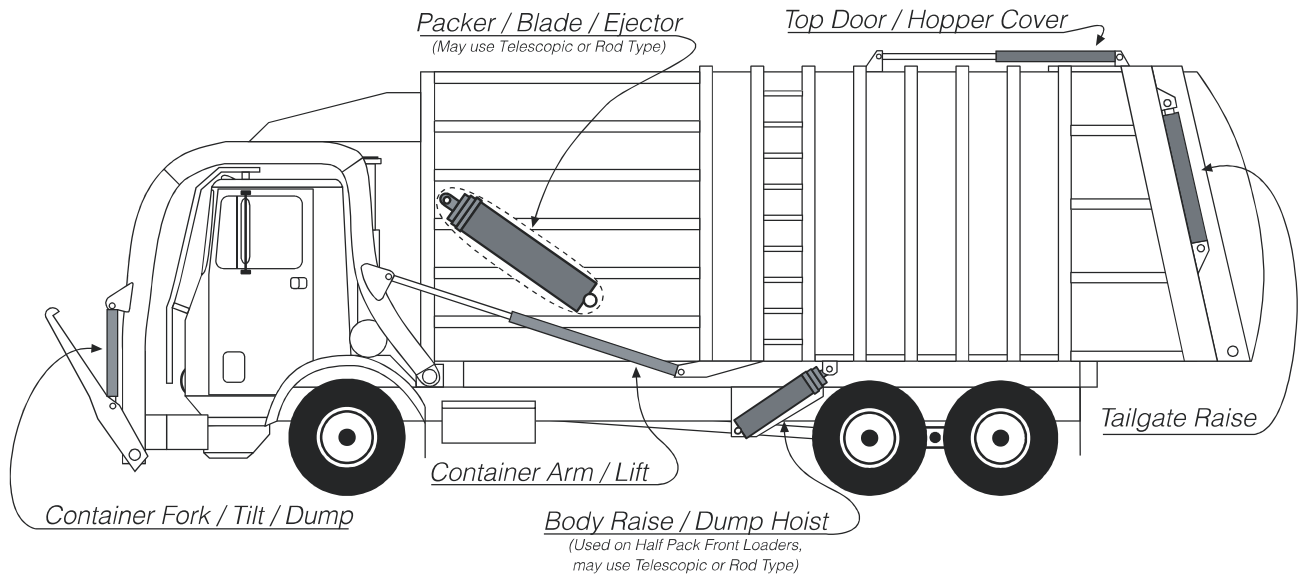
Roll Off & Tilt Frame Hoists



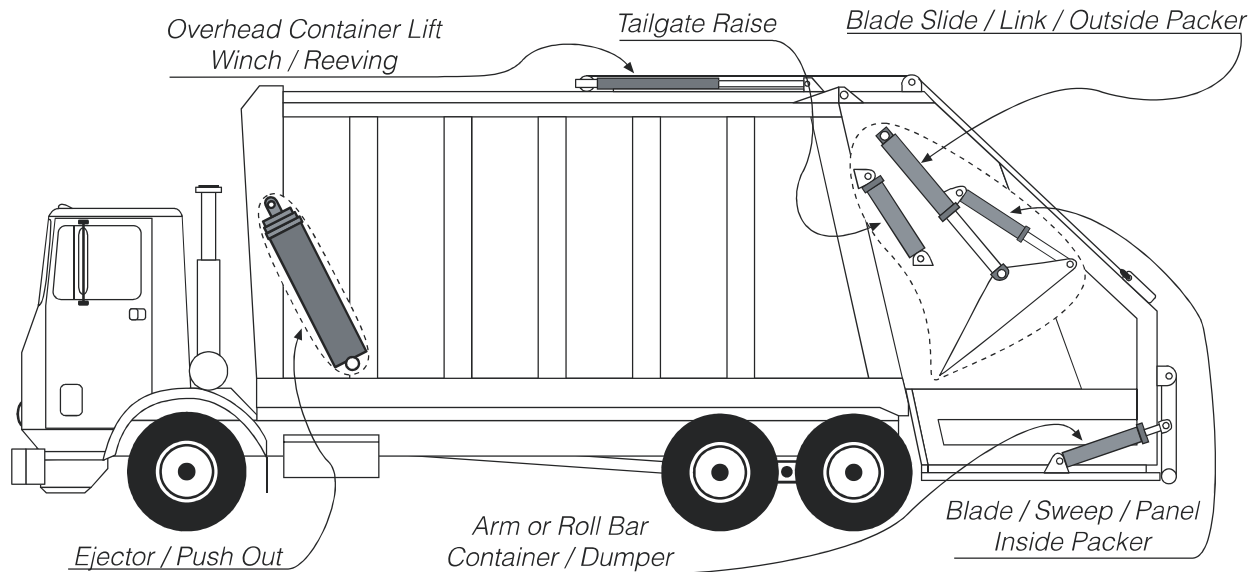
TECHNICAL INFORMATION

REFUSE BODIES

Front Loader Refuse Bodies



Rear Loader Refuse Bodies



TECHNICAL INFORMATION

FRONT MOUNT DUMP BODY

Stroke & Lifting Calculations Mounting

NOTE: This guide is for use to determine approximate stroke and lifting requirements for a front mount dump body. Final dimensions should be determined by an engineering drawing.

Formula for Calculating Initial Required Cylinder Force to Lift a Load

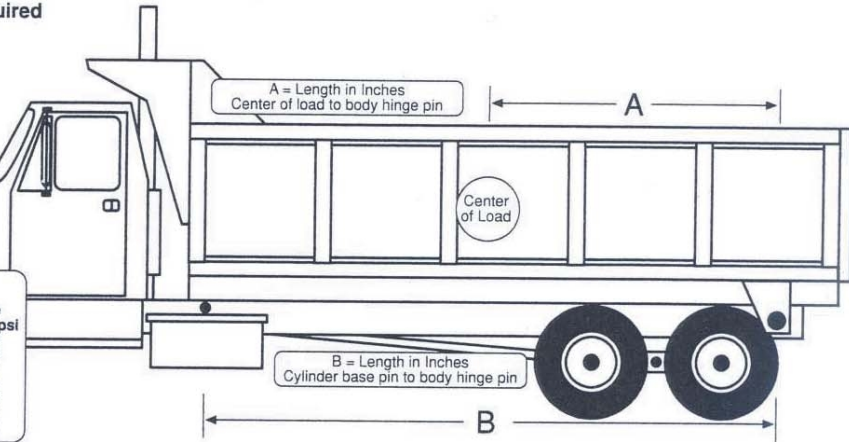
$$\frac{\text{Load (lbs)} \times \text{"A"}}{\text{"B"}} = \text{Initial required cylinder force}$$

Example

$$\frac{50,000\# \times 85"}{166"} = 25,603\# \text{ of force to start the lift}$$

Note: For a good design, initial pressure should not exceed 800 psi at start of lift

Stage O.D. in inches	800 psi	1000 psi	1500 psi	2000 psi
2.75"	4752	5940	8909	11879
3.75"	8836	11045	16567	22089
4.75"	14176	17721	26581	35441
5.75"	20774	25967	38951	51935
6.75"	28628	35785	53677	71570
7.90"	39213	49017	73525	98034
9.37"	55165	68956	103434	137911



Formula for Calculating the Required Cylinder Stroke for a Dump Angle

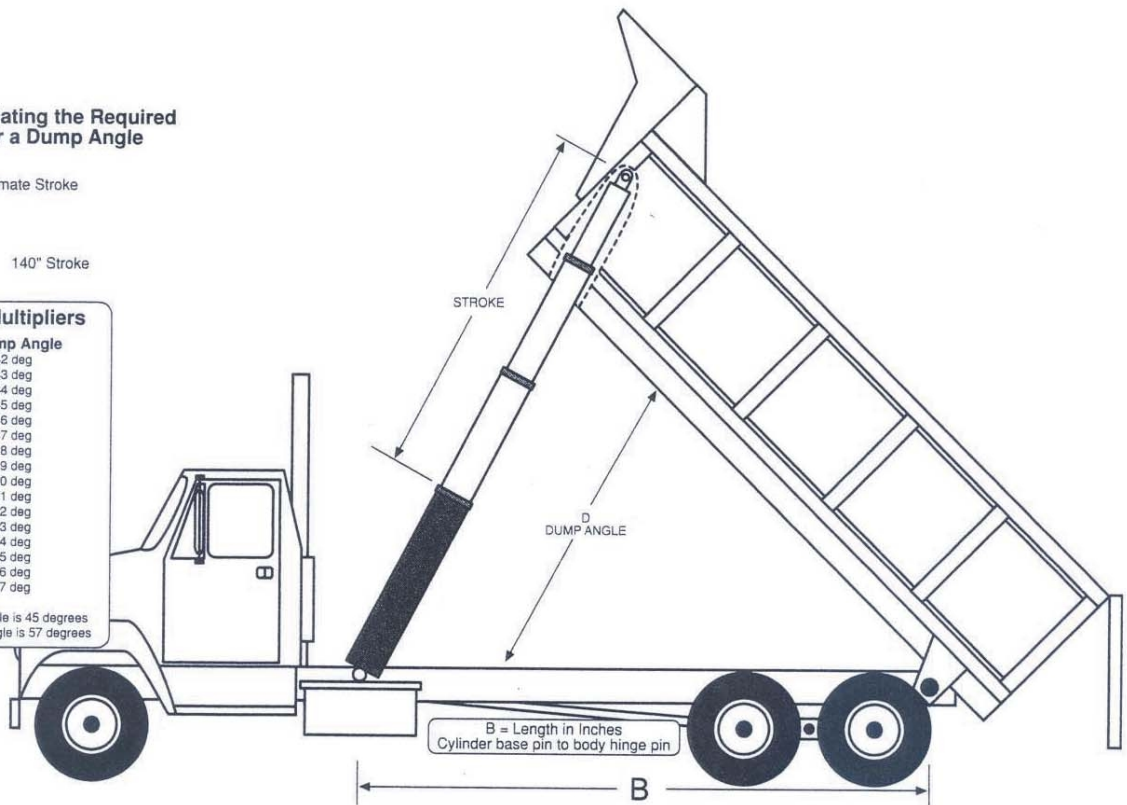
$$\text{"B"} \times \text{"D"} = \text{Approximate Stroke}$$

Example

$$166" (\text{B}) \times .845 (\text{D}) = 140" \text{ Stroke}$$

"D" = Dump Angle	Dump Angle
.715	42 deg
.733	43 deg
.750	44 deg
.765	45 deg
.780	46 deg
.797	47 deg
.813	48 deg
.830	49 deg
.845	50 deg
.861	51 deg
.877	52 deg
.892	53 deg
.903	54 deg
.923	55 deg
.939	56 deg
.954	57 deg

Normal minimum dump angle is 45 degrees
Normal maximum dump angle is 57 degrees



TECHNICAL INFORMATION