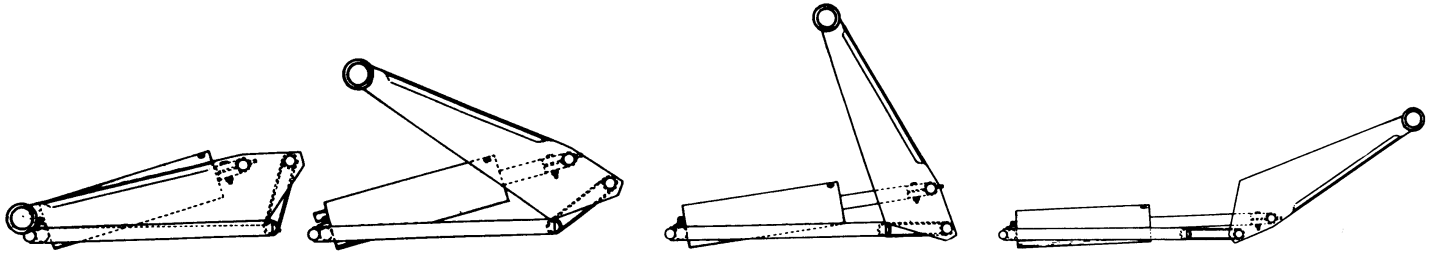


Dewey Hoist

Single Cylinder

High Quality, Performance, Efficiency, Strength, & Dependability

See us on the Internet: www.deweyhoist.com



Unique 'Advantage Linkage' increases the lifting power at the beginning of lift.

The center line of the cylinder is at 90° to centerline of hinge point which gives maximum lifting power at the start of the lift where it is most needed.

Note ratio of lift to piston travel is increasing to maintain the most efficient leverage as hinge point is gradually changing.

Hinge point has changed smoothly as load continues to raise, permitting the lifting action to continue at maximum power & efficiency.

Hinge point has moved to give maximum height. Note the extremely high lift obtainable by using the Advantage Link.

Only Dewey Hoists have the 'Advantage Linkage'!

The 'Advantage Linkage' allows the Dewey Hoist to lift heavier loads with less hydraulic pressure. The linkage actually increases the lifting power of the hoist from 20 – 50% during that difficult first few inches of rise. This means that for a hoist rated at 22 tons it may develop over 27 tons in the beginning. The linkage also allows us to produce the highest lift and lifting angles possible without sacrificing power. This insures that your load will dump where you want and when you want. Our standard hoist may lift higher than the competitions "Hi-Lift" models. The 'Advantage Linkage' also allows the hoist to be placed as far back as possible in the truck frame without interference with the axle housing.

Now THAT's an ADVANTAGE!

Specifications	Dewey Single Models					
	S-4	S-5	S-10	S-11	S-15	S-20
TBEA Class	A	A	B	C	D	E
Truck Usage	¾-1 Ton	¾-1 Ton	Single Axle	Single Axle	Single Axle	Tandem Axle
Cab / Axle (Inch.)	60	60	80	84 MAX	84-120	102-138
Box Length (Ft.)	8-10	8-10	8-12	10-14	10-16	12-18
Bore + Stroke	4 X 13	5 X 14	5 X 14	6 X 14	7 X 21	7 X 21
Cylinder Action	Single	Single	Single	Single	Single	Single
Unloading Valve	No	No	Yes	Yes	Yes	Yes
Height Collapsed	10"	10"	11"	13"	12 ½"	14 ¾"
Height Extended	54 5/8"	57 ½"	62 3/8"	64 1/8"	75 ¼"	91 ¾"
Dump Angle	40°	40°	40°	40°	45°	45°
Lift Time (Sec.)	49	22	22	31	23	28
Pump Kit	14282A	12873A	12873A	12873A	12874A	12875A
Pump GPM	.85	3.3	3.3	3.3	8.5	8.5
Operating Press.	1700	1500	1500	1500	1500	1500
Oil Required	10 Qt.	15 Qt.	15 Qt.	15 Qt.	21 Qt.	40 Qt.
Ship Weight Hoist	215#	225#	350#	425#	545#	665#
Ship Weight Pump	64#	60#	60#	60#	84#	101#

Chart based on the following conditions:

1. Load being equally distributed in box.
2. Operating pressure of 1500 psi
3. Hoist Mounted as per the instructions.

MAXIMUM LIFTING CAPACITY (TONS of Payload and Body)						
Overhang Feet	Length of Box (Ft.)					
	8	10	12	14	16	18
S-4 & S-5 Dewey Hoist						
None	4 ¾	3 ¾	3			
1	5 +	4 ¾	3 ¾			
2		5 +	4 ¾			
3			5 +			
S-10 Dewey Hoist						
None	6 ½	5 ¼	4 ¼			
1	8 ¾	6 ½	5 ¼			
2	10 +	8 ¾	6 ½			
3		10 +	8 ¾			
4			10 +			
S-11 Dewey Hoist						
None		7 ½	6 ¼			
1		9 ¼	7 ½	6 ¼		
2		11 +	9 ¼	7 ½		
3			11 +	9 ¼		
4				11 +		
S-15 Dewey Hoist						
1		15 +	12	10	8 ½	
2			15 +	12	10	
3				15 +	12	
4					15 +	
S-20 Dewey Hoist						
1			14 ½	12	10 ¼	
2			18 ¼	14 ½	12	10 ¼
3			20 +	18 ¼	14 ½	12
4				20 +	18 ¼	14 ½