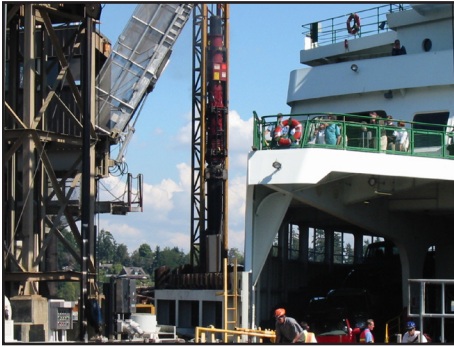


# APE Model D30-42 Single Acting Diesel Impact Hammer

*D30-42 Finishing Dolphin Piles.*



## MODEL D30-42 (3.0 metric ton ram)

### SPECIFICATIONS

Stroke at maximum rated energy	135 in (343 cm)
Maximum rated energy (Setting 4)	74,750 ft-lbs (101,346 Nm)
Setting 3	67,274 ft-lbs (91,210 Nm)
Setting 2	55,315 ft-lbs (72,284 Nm)
Minimum rated energy (Setting 1)	37,824 ft-lbs (51,282 Nm)
<i>(Variable throttle allows for lower minimum energy and infinite fuel settings.)</i>	
Maximum obtainable stroke	157 in (381 cm)
Maximum obtainable energy	86,546 ft-lbs (117,339 Nm)
Speed (blows per minute)	34-53

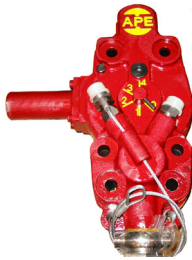
### WEIGHTS

Ram	6,615 lbs (3,000 kg)
Anvil	1,358 lbs (616 kg)
Anvil cross sectional area	214.49 sq in (544.8 sq-cm)
Hammer weight (includes trip device)	13,571 lbs (6,154 kg)
Typical operating (weight with DB26 and H-beam insert)	16,223 lbs (7,357 kg)

### CAPACITIES

Fuel tank (runs on diesel or bio-diesel)	17.4 gal (65 liters)
Oil tank	5 gal (19 liters)

*Optional Variable Throttle Control.*



### CONSUMPTION

Diesel or Bio-diesel fuel	2.6 gal/hr (9.84 liters/hr)
Lubrication	.26 gal/hr (1 liters/hr)
Grease	8 to 10 pumps every 45 minutes of operation time.

### STRIKER PLATE FOR DB 26

Weight	628 lbs (284 kg)
Diameter	22.5 in (57.15 cm)
Area	471 sq-in (696 sq-cm)
Thickness	6 inches (15.24 cm)

### CUSHION MATERIAL

Type/Qty	Micarta/2 ea
Diameter-DB26	22.5 in (57.15 cm)
Thickness	1 in (25.4 mm)
Type/Qty	Aluminum/3 ea
Thickness	1/2 in (12.7 mm)
Diameter	25 in (57.15 cm)
Total Combined Thickness	3.5 inches (8.89 cm)
Area	471 sq-in (696 sq-cm)
Elastic-modulus	285 ksi (1,965 mpa)
Coeff. of restitution	.8

*Drive Base Assembly.*



### DRIVE CAP

DB 26:	1,076 lbs (488 kg)
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### INSERT WEIGHT

H-Beam insert for 12" (305 mm) and 14" (355 mm):	948 lbs (430 kg)
Large pipe insert for sizes 12" to 24" diameter:	1,830 lbs (830 kg)

### MINIMUM BOX LEAD SIZE/OPERATING LENGTH

Minimum box leader size	8 in x 26 in (3.14 cm x 66 cm)
Operating length as described above	354 in (9 m)



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