

APE D225-42 Single Acting Diesel Impact Hammer

D225-42 With a 2.5 m Bottom Drive.



MODEL D225-42 (22.0 metric ton ram)

SPECIFICATIONS

Stroke at maximum rated energy	135 in (343 cm)
Maximum rated energy (Setting 4)	558,135 ft-lbs (757 kNm)
Setting 3	507,902 ft-lbs (689 kNm)
Setting 2	435,345 ft-lbs (590 kNm)
Minimum rated energy (Setting 1)	362,787 ft-lbs (491 kNm)
(Variable throttle allows for lower minimum energy and infinite fuel settings.)	
Maximum obtainable stroke	202 in (381 cm)
Maximum obtainable energy	834,473 ft-lbs (1,131 kNm)
Speed (blows per minute)	34-53

WEIGHTS

Ram	49,612 lbs (22,500 kg)
Hammer weight (includes trip device)	112,820 lbs (51,165 kg)
Typical operating (weight w/ 98"/2.5 m offshore)	152,820 lbs (69,306 kg)

CAPACITIES

Fuel tank (<i>runs on diesel or bio-diesel</i>)	95 gal (360 liters)
Oil tank	26 gal (99 liters)

Optional Variable Throttle Control.



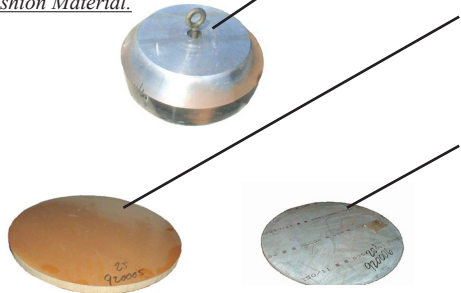
CONSUMPTION

Diesel or Bio-diesel fuel	18 gal/hr (68 liters/hr)
Lubrication	2 gal/hr (7.6 liters/hr)
Grease	8 to 10 pumps every 45 minutes of operation time.

25" STRIKER PLATE

Weight	1,036 lbs (470 kg)
Diameter	25 in (57.15 cm)
Area	471 sq-in (696 sq-cm)
Thickness	8 inches (20.32 cm)

Cushion Material.



CUSHION MATERIAL

Type/Qty	Micarta/2 ea
Diameter	25 in (57.15 cm)
Thickness	1 in (25.4 mm)
Type/Qty	Aluminum/3ea
Thickness	1/2 in (12.7 mm)
Diameter	25 in (57.15 cm)
Total Combined Thickness	3.5 inches (8.89 cm)
Area	490 in (1,246 cm)
Elastic-modulus	285 ksi (1,965 mpa)
Coeff. of restitution	.8

Standard Offshore.



TYPICAL OFFSHORE LEADER

Standard offshore for 98"/2.5m piles and under	42,000lbs (92,610 kg)
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MINIMUM BOX LEAD SIZE/OPERATING LENGTH

Minimum box leader size	10 in x 60 in (25.4 cm x 152 cm)
Operating length in offshore	432 in (11m)



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