

APE D225-42 Single Acting Diesel Impact Hammer

D225-42 With a 2.5 m Bottom Drive.



MODEL D225-42 (22.5 metric ton ram)

SPECIFICATIONS

Stroke at maximum rated energy	135 in (343 cm)
Maximum rated energy (Setting 4)	558,141 ft-lbs (753.49 kNm)
Setting 3	496,745 ft-lbs (670.61 kNm)
Setting 2	429,768 ft-lbs (580.19 kNm)
Minimum rated energy (Setting 1)	340,465 ft-lbs (340,446 kNm)

(Variable throttle allows for infinite fuel settings)

Maximum obtainable stroke	150 in (381 cm)
Maximum obtainable energy	834,473 ft-lbs (1,131 kNm)
Speed (blows per minute)	34-53

WEIGHTS (Approximate)

Piston	49,612 lbs (22,500 kg)
Hammer weight (includes hydraulic trip device)	112,820 lbs (51,165 kg)
Typical operating weight	Consult Factory

CAPACITIES

Fuel tank (runs on diesel or bio-diesel)	95 gal (360 liters)
Oil tank	26 gal (98 liters)

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 20 minutes of operation time.

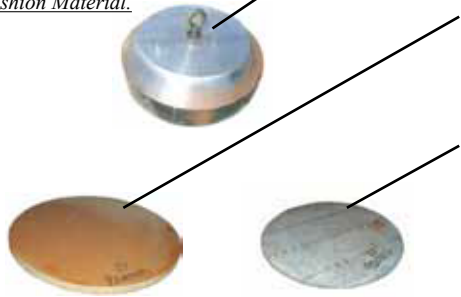
Optional Variable Throttle Control.



STRIKER PLATE

Weight	2,400 lbs (1089 kg)
Diameter	30 in (76.2 cm)
Area	706 in ² (4,555 cm ²)
Thickness	12 in (77.4 cm)

Cushion Material.



CUSHION MATERIAL

Type/Qty	Micarta / 3 each
Diameter	30 in (76.2 cm)
Thickness	1 in (25.4 mm)

Type/Qty	Aluminum / 4 each
Thickness	1/2 in (12.7 mm)
Diameter	30 in (76.2 cm)
Total Combined Thickness	5 in (12.7 cm)
Area	706 in ² (4,555 cm ²)
Elastic-modulus	285 ksi (1,965 mpa)
Coeff. of restitution	

Standard Offshore.



TYPICAL OFFSHORE LEADER

Standard offshore for 98"/2.5m piles and under	Consult Factory
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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 (1,097 cm)



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