

APE D300-42 Single Acting Diesel Impact Hammer

D300-42 With a 2.5 m Bottom Drive.



MODEL D300-42 (30.0 metric ton ram)

SPECIFICATIONS

Stroke at maximum rated energy	135 in (343 cm)
Maximum rated energy (Setting 4)	744,188 ft-lbs (1,004.65 kNm)
Setting 3	662,327 ft-lbs (894.14 kNm)
Setting 2	573,025 ft-lbs (773.58 kNm)
Minimum rated energy (Setting 1)	453,955 ft-lbs (612.84 kNm)

(Variable throttle allows for infinite fuel settings)

Maximum obtainable stroke	Consult Factory
Maximum obtainable energy	Consult Factory
Speed (blows per minute)	Consult Factory

WEIGHTS (Approximate)

Piston	66,150 lbs (30,005 kg)
Hammer weight (includes hydraulic trip device)	139,663 lbs (63,350 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	21.6 gal/hr (82 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	0.8

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	Consult Factory
Operating length in offshore	Consult Factory



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