



APE Single Acting Diesel Impact Hammer

THE WORLD'S LARGEST PILEDRIVERS

Model D80-42

SPECIFICATIONS

Stroke at Maximum Rated Energy	135 in (343 cm)
Maximum Rated Energy (Setting 4)	198,450 ft-lbs (269.05 kNm)
(Setting 3)	164,714 ft-lbs (223.31 kNm)
(Setting 2)	130,977 ft-lbs (177.57 kNm)
Minimum Rated Energy (Setting 1)	97,241 ft-lbs (131.83 kNm)
<i>(VARIABLE THROTTLE ALLOWS FOR INFINITE FUEL SETTING)</i>	
Maximum Obtainable Stroke	150 in (381 cm)
Maximum Obtainable Energy	220,500 ft-lbs (298.94 kNm)
Speed (Blows Per Minute)	34-53

WEIGHTS (APPROXIMATE)

Piston	17,638 lbs (8,000 kg)
Anvil	4,670 lbs (2,118 kg)
Anvil Cross Sectional Area	630.47 in ² (4,067.54 cm ²)
Hammer Weight (Includes Trip Device)	38,434 lbs (17,433 kg)
Typical Operating (Weight With 37" Pipe Helmet)	Consult Factory

CAPACITIES

Fuel Tank (Runs on Diesel or Bio-Diesel)	40.3 Gal (153 Liters)
Oil Tank	8.3 Gal (31.4 Liters)

CONSUMPTION

Diesel or Bio-Diesel	6.5 Gal/hr (24.6 Liters/hr)
Oil Tank	0.67 Gal/hr (2.5 Liters/hr)
Grease	8 to 10 Pumps Every 20 Minutes of Operation Time.

STRIKER PLATE

Weight	1,036 lbs (470 kg)
Diameter	25 in (63.5 cm)
Area	491 in ² (3,167.74 cm ²)
Thickness	8 in (20.32 cm)

CUSHION MATERIAL

Type/Qty	Micarata / 3 each
Diameter-DB32	25 in (63.5 cm)
Thickness	1 in (2.54 cm)
Type/Qty	Aluminum / 4 each
Thickness	1/2 in (1.27 cm)
Diameter	25 in (63.5 cm)
Total Combined Thickness	5 in (12.7 cm)
Area	491 in ² (3,167.74 cm ²)
Elastic-Modulus	285 ksi (1,965 mpa)
Coeff. of Restitution	0.8

STANDARD OFFSHORE LEADER

Offshore for 98 in / 2.5 Meter Piles and Under Consult Factory

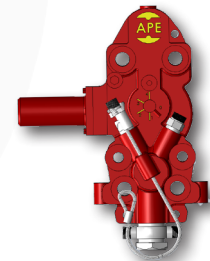
MINIMUM LEADER SIZE/OPERATING LENGTH

Minimum Box Leader Size	8 in x 37 in (20.32 cm x 94 cm)
Operating Length for Offshore Leader	384 in (975.36 cm)

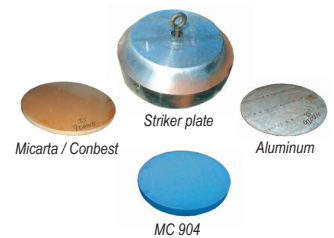


Image may not represent actual Model

Optional Variable Throttle Control



Cushion Material



6" Well Stack up



Specifications may vary due to site conditions, specific hammer conditions or product set up.
 Specifications may change without notice.
 Consult the factory for details on any specific product (800) 248-8498.
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