



APE Single Acting Diesel Impact Hammer

THE WORLD'S LARGEST PILEDRIVERS

Model D220-42

SPECIFICATIONS

Stroke at Maximum Rated Energy	135 in (343 cm)
Maximum Rated Energy (Setting 4)	545,648 ft-lbs (739.76 kNm)
(Setting 3)	452,887 ft-lbs (614.00 kNm)
(Setting 2)	360,127 ft-lbs (488.24 kNm)
Minimum Rated Energy (Setting 1)	267,367 ft-lbs (362.48 kNm)
<i>(VARIABLE THROTTLE ALLOWS FOR INFINITE FUEL SETTING)</i>	
Maximum Obtainable Stroke	150 in (381 cm)
Maximum Obtainable Energy	606,275 ft-lbs (821.96 kNm)
Speed (Blows Per Minute)	34-53

WEIGHTS (APPROXIMATE)

Piston	48,502 lbs (22,000 kg)
Hammer Weight (Includes Trip Device)	112,300 lbs (50,938 kg)
Typical Operating (Weight With Offshore Leader)	Consult Factory

CAPACITIES

Fuel Tank (Runs on Diesel or Bio-Diesel)	95 Gal (359.5 Liters)
Oil Tank	26 Gal (98.4 Liters)

CONSUMPTION

Diesel or Bio-Diesel	18 Gal/hr (68.13 Liters/hr)
Oil Tank	2 Gal/hr (7.57 Liters/hr)
Grease	8 to 10 Pumps Every 20 Minutes of Operation Time.

STRIKER PLATE

Weight	2,400 lbs (1,089 kg)
Diameter	30 in (76.2 cm)
Area	706 in ² (4,555 cm ²)
Thickness	12 in (30.48 cm)

CUSHION MATERIAL

Type/Qty	Micarata / 3 each
Diameter-DB32	30 in (76.2 cm)
Thickness	1 in (2.54 cm)
Type/Qty	Aluminum / 4 each
Thickness	1/2 in (1.27 cm)
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

OFFSHORE LEADER

Offshore for 98 in / 2.5 meter piles and under Consult Factory

MINIMUM BOX LEAD SIZE / OPERATING LENGTH

Minimum Box Leader Size	10 in x 60 in (25.4 cm x 152 cm)
Hammer Operating Length with Box Helmet	432 in (1,097.28 cm)

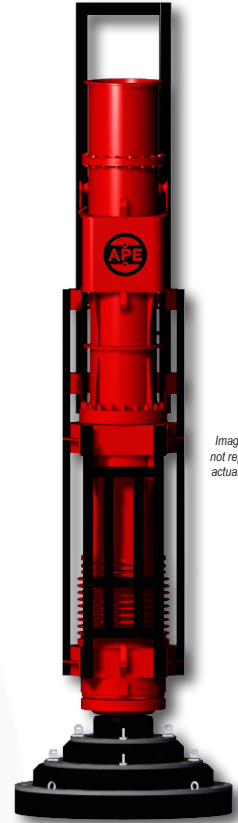
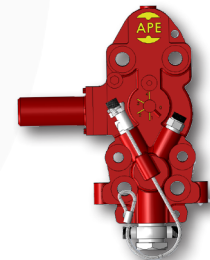
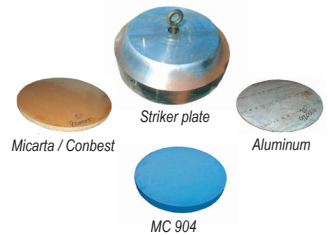


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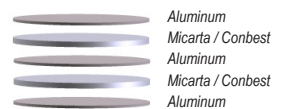
Optional Variable Throttle Control



Cushion Material



9" 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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