

AP Dynamometer Specifications

DILLON

CE

Pound Capacities

5" (125 mm) Dial Size		10" (250 mm) Dial Size		Ultimate Safety Factor
	<u>Part Number</u> <u>Cap x Division Size</u>	<u>Part Number</u> <u>Cap x Division Size</u>		
LOW	30006-0019 500 x 5	N/A		5:1
	30006-0027 1,000 x 10	30007-0026 1,000 x 5		5:1
	30006-0035 2,000 x 20	30007-0034 2,000 x 10		5:1
	30006-0043 4,000 x 25	N/A		5:1
	30006-0050 5,000 x 50	30007-0059 5,000 x 20		5:1
	30006-0076 8,000 x 50	N/A		
	30006-0084 10,000 x 100	30007-0083 10,000 x 50		5:1
MED	30006-0092 15,000 x 100	N/A		
	30006-0100 20,000 x 200	30007-0109 20,000 x 100		5:1
HIGH	N/A	30784-0017 30,000 x 200		5:1
	N/A	30784-0033 50,000 x 200*		3:1

*Not CE approved.

ASME b30.26 compliant on 20,000 lb (10,000 kg) and below.

Kilogram Capacities

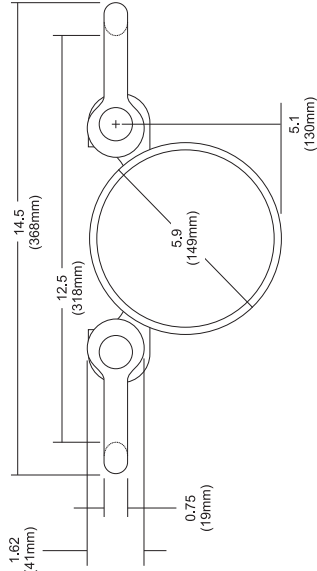
5" (125 mm) Dial Size		10" (250 mm) Dial Size		Ultimate Safety Factor
	<u>Part Number</u> <u>Cap x Division Size</u>	<u>Part Number</u> <u>Cap x Division Size</u>		
LOW	30006-0134 500 x 5	N/A		
	30006-0159 1000 x 10	30007-0158 1000 x 5		5:1
	30006-0126 2000 x 20	30007-0125 2000 x 10		5:1
	30006-0167 4000 x 25	N/A		5:1
	N/A	30007-0174 5000 x 20		5:1
MED	30006-0118 10000 x 100	30007-0117 10000 x 50		5:1
HIGH	N/A	30784-0058 20000 x 100		4:1

Model AP Dynamometer Dimensions

Dimensions in inches (mm)
Drawing scales differ between capacities
Dimensions subject to manufacturer /supplier tolerances and
are subject to change without notice.

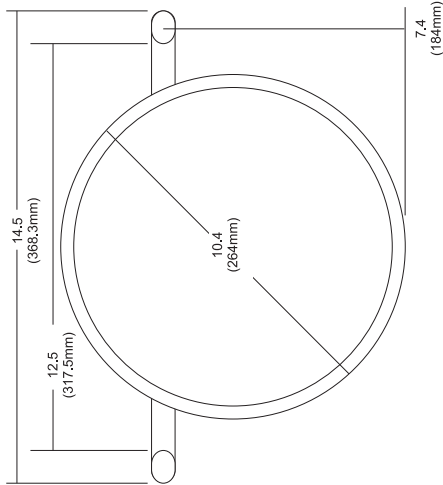
Low & Medium Capacities 500-20,000 lb / 200-10,000 kg

5" dial design



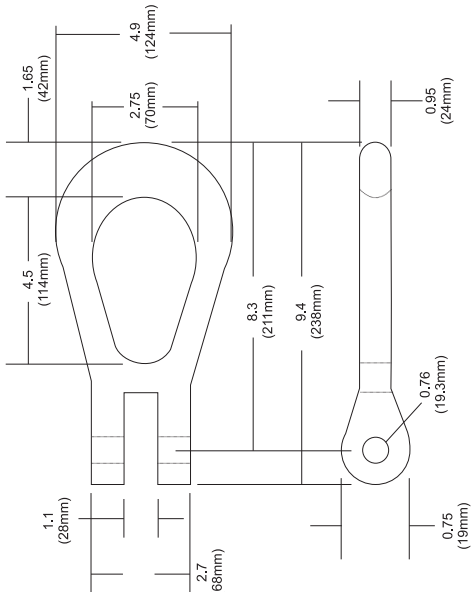
Front view

10" dial design

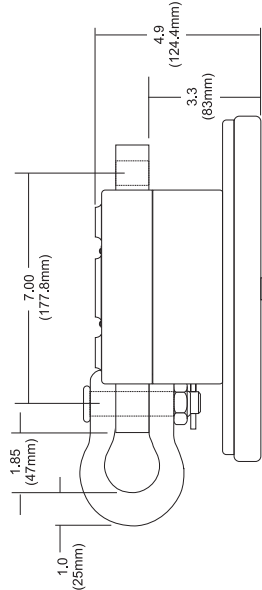
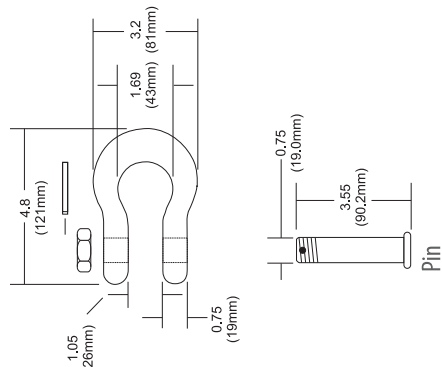


Front view

Optional Oversize Shackle

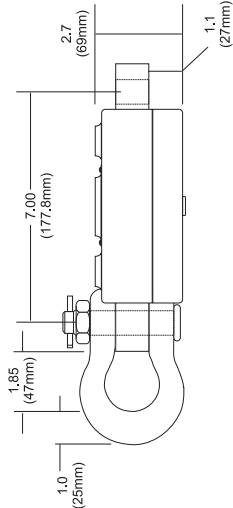


Standard Shackle



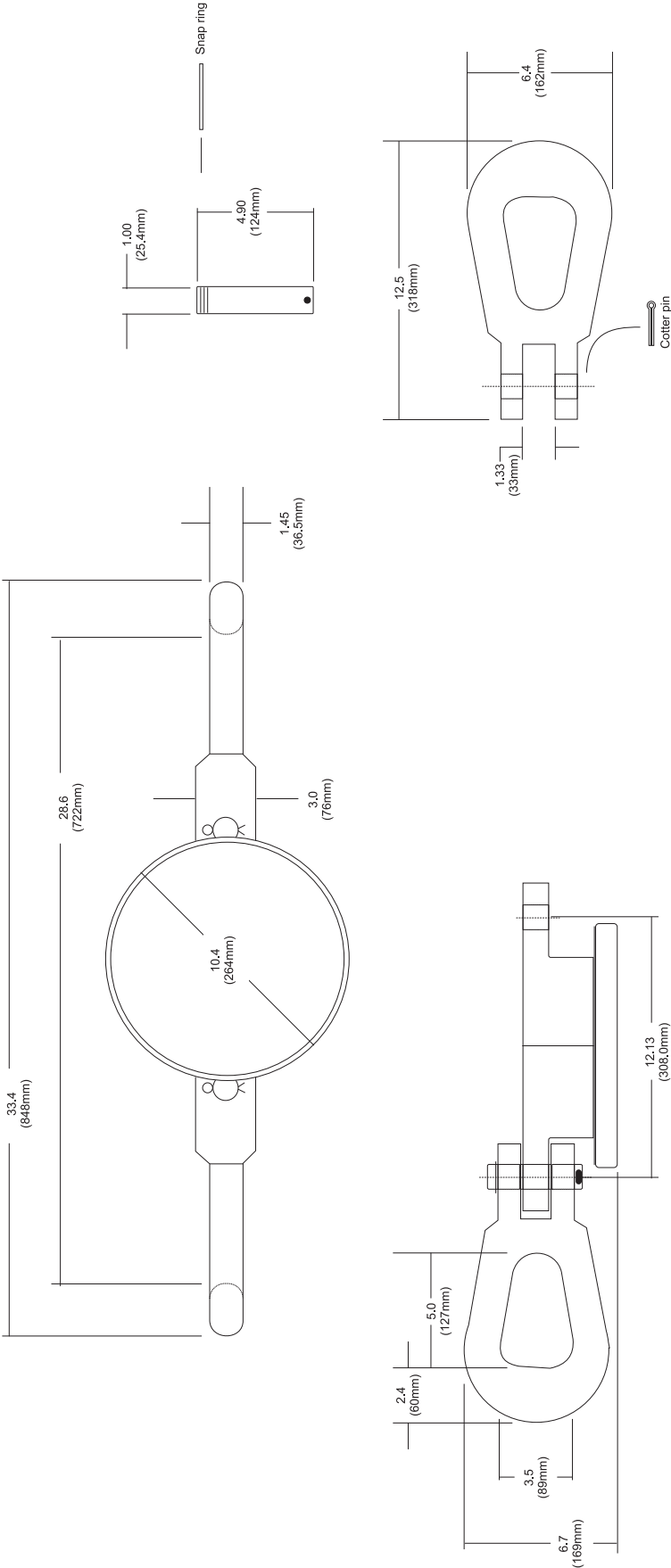
Side view

Side view



High Capacities

30,000-50,000 lb / 15,000-20,000 kg



Model AP Mechanical Dynamometer

Accuracy: $\pm 0.5\%$ of capacity

Temperature Range: -50° to 140° F (-45° to 60° C)

Ultimate Safety Factor:

See table on cover for minimum USF

Construction:

Pressure bar—

High-grade E4340 alloy steel or 7075-T651 aluminum

Shackles –

A4140 forged steel (machined from E4340 steel)

Shackle pins –

Machined from E4340 steel or 300 m steel

Case Housing:

5" models are equipped with high strength composite plastic case.

10" models use cast aluminum enclosure.

Corrosion Protection: Pressure bar protected with durable powder coat paint. Shackles and pins are electroless nickel plated. All integral machining and fasteners are produced from noncorrosive materials or have suitable plating.

Zero Control: Zero up to 20% of capacity. Zeroed load must be considered as part of ultimate load.

Calibration: Traceable to NIST.

Documentation: Includes users guide and signed calibration certificate.

Carry Case/Crate:

Low/Med capacity 5" dial – includes plastic carry case

Low/Med capacity 10" dial – optional steel carry case

All high capacity – includes reinforced plywood crate

Periodic Proof Loads: Controlled 150% proof loads permitted annually.

Approval: CE on all capacities excluding 50,000 lb

ASME b30.26 compliant on 20,000 lb (10,000 kg) and below

Warranty: 2 years parts and labor

Shipping and packing (approximate weights):

5" Low and Med Capacities

Net weight	9 lb
Shipping weight	15 lb
Shipping box	16" x 11" x 7"

10" Low and Med Capacities

Net weight	10 lb
Shipping weight	16 lb
Shipping weight (with optional steel case)	26 lb
Shipping box	14" x 14" x 7"

30,000 – 50,000 lb (20,000 kg) High Capacity

Net weight	64 lb
Shipping weight	98 lb
Shipping crate	37.5" x 13" x 10.5"



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