

Capacities

KILOGRAM CAPACITIES

125 mm (5") Dial Size			250 mm (10") Dial Size		Ultimate Safety Factor
	Part number	Capacity & Division Size	Part number	Capacity & Division Size	
Low	30006-0142	200 x 2	30006-0141	200 x 1	5:1
	30006-0134	500 x 5	30006-0133	500 x 2	5:1
	30006-0159	1000 x 10	30006-0158	1000 x 5	5:1
	30006-0126	2000 x 20	30006-0125	2000 x 10	5:1
	30006-0167	4000 x 25	30006-0166	4000 x 20	5:1
	30006-0175	5000 x 50	30006-0174	5000 x 50	5:1
Med	30006-0118	10,000 x 100	30006-0117	10,000 x 50	4.5:1
High			30006-0041	15,000 x 100	5:1
			30006-0058	20,000 x 100	4:1
			30006-0022	50,000 x 200	4:1

POUND CAPACITIES

125 mm (5") Dial Size			250 mm (10") Dial Size		Ultimate Safety Factor
	Part number	Capacity & Division Size	Part number	Capacity & Division Size	
Low	30006-0019	500 x 5	30006-0018	500 x 2	5:1
	30006-0027	1000 x 10	30006-0026	1000 x 5	5:1
	30006-0035	2000 x 20	30006-0034	2000 x 10	5:1
	30006-0043	4000 x 25	30006-0042	4000 x 20	5:1
	30006-0050	5000 x 50	30006-0059	5000 x 20	5:1
	30006-0068	6000 x 50	30006-0067	6000 x 25	5:1
	30006-0076	8000 x 50	30006-0075	8000 x 50	5:1
	30006-0084	10,000 x 100	30006-0083	10,000 x 50	5:1
Med	30006-0092	15,000 x 100	30006-0091	15,000 x 100	5:1
	30006-0100	20,000 x 200	30006-0109	20,000 x 100	4.5:1
High			30006-0017	30,000 x 200	5:1
			30006-0025	40,000 x 200	4:1
			30006-0033	50,000 x 200	3:1
			30006-0014	100,000 x 500	4:1

Newton capacities also available.

Storage



Dynamometers include a rugged ABS plastic case, heavy duty reinforced plywood shipping/storage crate. Steel carrying case available for 250 mm (10") dial models.

Dimensions

(with two shackles)

Capacity	125 mm (5")	250 mm (10")
Up to 10,000 kg		
Length between load points	318 mm	318 mm
Length overall	368 mm	368 mm
Width	150 mm	265 mm
Depth	110 mm	138 mm
15,000 kg & 20,000 kg		
Length between load points	N/A	722 mm
Length overall	N/A	848 mm
50,000 kg		
Length between load points	N/A	1224 mm
Length overall	N/A	1402 mm

DILLON
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EDxtreme/3.06

Mechanical
Dynamometers

The world leader in dynamometers since 1937



DILLON®
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Feature for feature - Dillon AP Dynamometers set the standard

Originally designed to measure the tension on telephone wires, the Dynamometer has proven to have limitless versatility as a tension and weight measuring instrument. It has been used for such diverse

jobs as stringing utility line; mounting cables for bridges; adjusting tension on guy wires; field testing chain, rope, wire - anything requiring precise force or tension measurement.

The AP is an exceptional value for basic applications. Key features include:

Accuracy: $\pm 0.5\%$ of full range - For precise measurements.

Choice of dial sizes - Portable 125 mm (5") or highly visible 250 mm (10") dials.

Anti-parallax dial and pointer - Offers accurate readings from varying sight lines. Dial is mar and fog resistant.

Zero control (at rear of case) - Can cancel preset loads up to 20% of capacity.

Maximum indicator - Remains in position to indicate peak load point after load is removed from instrument. Standard.

Mechanism case - constructed of high strength composite plastic or rugged cast aluminium resists heavy blows.

5:1 ultimate safety factor - Achieved in most capacities.

Exclusive material selection - High-spec materials and aircraft-quality alloys.

Complete integrity - Non-destructive examination of key components.

Proof load tested - To 150% of capacity.

Wide range of capacities -
200 kg to 50,000 kg
500 lb to 100,000 lb



Dillon dynamometers are the most popular in the world - excellent reliability, build quality, measurement precision and fast delivery are just a few reasons why.

Specifications

Accuracy: $\pm 0.5\%$ of capacity.

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

Ultimate safety factor: See table overleaf.

Construction:

Pressure bar - High-grade E4340 alloy steel or 7075-T651 aluminium.

Shackles - A4140 forged steel (machined from E4340 steel).

Shackle pins - Machined from E4340 steel.

Case housing:

125 mm (5") models are equipped with high-strength, composite plastic case.

250 mm (10") models use cast aluminium 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 non-corrosive materials or have suitable plating.

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

Calibration: Traceable to NIST.

Documentation: Includes User's Guide and signed calibration card.

Carry case/crate:

Low/med capacity 125 mm dial - includes plastic carry case.

Low/med capacity 250 mm dial - optional steel carry case.

All high capacity - includes reinforced plywood crate.

Periodic proof loads: Controlled 150% proof loads recommended annually.



Crane Scale version (right) has the same features as the standard AP Dynamometer. Available up to 10,000 kg capacity.

