

DILLON™

- CAPACITIES: 25 TO 50,000 LBF
- TENSION & COMPRESSION
- AVAILABLE IN LBF & KGF
- SUSTAINS 30% OVERLOAD
- LARGE EASY-TO-READ DIAL



Dillon Gages; X-C, X-PP and U gage

The three versions of the **Dillon Model X Gage Series** measure **compression, tension and push-pull** forces in a wide range of **capacities to 50,000 pounds**. The "D" shaped deflection spring constructed from high strength aluminum with higher ranges in alloy steel is the heart of the Model X force gage. The easily read dial may be equipped with an **optional shockless dial indicator** for tests that involve the sudden application or release of force.

A **maximum reading pointer** is standard on Models X-C and X-ST. Dial options include: zero position at 12, 3, 6 or 9 o'clock. The X gages are protected by a baked enamel finish to resist corrosion and rust. All models sustain **overloads up to 30%** of capacity with no damage to the indicator or spring. All capacities feature a **5:1 safety factor** and may be mounted horizontally, vertically or flat. Capacities up to 10,000 pounds include carrying case; higher ranges include wooden boxes.

CONSTRUCTION

- Precision dial indicator mechanism converts beam deflection to dial force readings.
- "D" shaped deflection spring: high strength aluminum through 500 pounds and alloy steel for higher capacities.
- Machined to close tolerances, heat treated beams develop optimum strength and spring characteristics for precision force readings.
- Large dial faces range in sizes from 2.25" to 3.62".

OPERATION

- Load is applied to the gage by various fittings: ball fitting for compression, shackles for tension and rod end fittings for push-pull.
- X Gages may be mounted horizontally, vertically or flat.
- To reset zero, bezel locking screw is loosened, dial rotated and relocked.

MODEL X-C

- CAPACITIES: 25 TO 50,000 LBF
- COMPRESSION TESTING
- MAXIMUM LOAD POINTER
- ACCURACY: UP TO ± 1% F.S.



Model X-C

Model X-C comes in **eleven capacities** for **compression testing**; all are equipped with a **maximum load pointer**. Force is applied against a ball which rotates to maintain **vertical alignment** as force increases. A threaded mounting hole is located opposite the loading ball in the bottom of the "D" beam. Model X-C is available in **pound or kilogram** capacities.

Accuracy ±1% F.S. (±2% - 25K & 50K) NIST Calibration Certificate included.

MODEL OPTIONS

- Zero position on dial at 12 o'clock is standard: 3, 6 or 9 o'clock is available on request.
- **Shockless dial indicator is available** for sudden application or release of load.

MODEL X-C MODELS & PRICES

Model	Part Number	Capacity/Graduation	Price
XC25	30386-0050	25 lbf x 0.25 lbf	\$825
XC50	30386-0142	50 lbf x 0.5 lbf	825
XC100	30386-0159	100 lbf x 1 lbf	825
XC250	30446-0090	250 lbf x 2.5 lbf	825
XC500	30446-0074	500 lbf x 5 lbf	840
XC1000	30444-0050	1000 lbf x 10 lbf	1070
XC2000	30388-0058	2000 lbf x 20 lbf	1070
XC5000	30389-0057	5000 lbf x 50 lbf	1320
XC10000	30423-0055	10,000 lbf x 100 lbf	1455
XC25000	30449-0055	25,000 lbf x 250 lbf	1990
XC50000	30466-0053	50,000 lbf x 500 lbf	2285

Included: Maximum load pointer and compression ball fitting on all models.

Note: Equivalent kilogram models are available.

Optional Accessory: Shockless dial indicator, not available with maximum pointer. **\$80**

Prices and specifications are subject to change without notice.

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CALL US TOLL FREE 800-345-4188

MODEL X-ST

- CAPACITIES: 25 TO 10,000 LBF
- TENSION FORCE TESTING
- MAXIMUM LOAD POINTER
- ACCURACY: TO ± 1%



Model X-ST

Model X-ST comes in **nine capacities** for **tension testing**; all are equipped with a **maximum load pointer**. Force is applied through **spherical rod end fittings** on models to 2000 pounds and with shackles and pins on 5000 and 10,000 pound models. The X-ST is available in **pound or kilogram** capacities.

Accuracy: ±1% Full Scale. NIST Calibration Certificate included.

MODEL OPTIONS

- Zero position on dial at 12 o'clock is standard: 3, 6 or 9 o'clock is available on request.
- **Shockless dial indicator is available** for sudden application or release of load.

MODEL X-ST MODELS & PRICES

Model	Part Number	Capacity/Graduation	Price
XST25	30443-0051	25 lbf x 0.25 lbf	\$840
XST50	30443-0143	50 lbf x 0.5 lbf	840
XST100	30443-0150	100 lbf x 1 lbf	840
XST250	30445-0109	250 lbf x 2.5 lbf	840
XST500	30445-0083	500 lbf x 5 lbf	855
XST1000	30276-0053	1000 lbf x 10 lbf	1080
XST2000	30440-0054	2000 lbf x 20 lbf	1080
XST5000	30442-0052	5000 lbf x 50 lbf	1335
XST10000	30441-0053	10,000 lbf x 100 lbf	1470

Included: Maximum load pointer and rod ends (thru 2000 lbf) or shackles (over 2000 lbf).

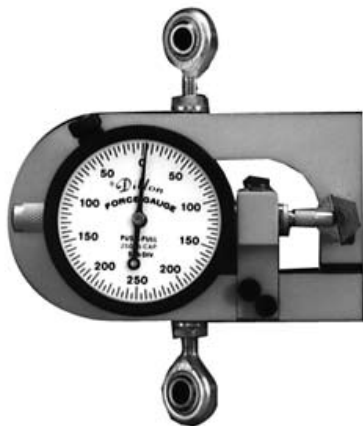
Note: Equivalent kilogram models are available.

Optional Accessory: Shockless dial indicator, not available with maximum pointer.

\$80

MODEL X-PP

- CAPACITIES: 50 TO 5000 LBF
- PUSH - PULL TESTING
- ACCURACY: TO ± 2%



Model X-PP

Model X-PP is a **push-pull force gage** available in **seven capacities** to measure compression or tension reading compression clockwise from zero and tension conversely. Models up to and including 1000 pounds are supplied with a set of **self-aligning spherical rod end connectors** for tension loading. Models with 2500 and 5000 pound capacities are equipped with two shackle adapters, shackles and pins for tensile testing. All X-PP gages are also supplied with a **ball fitting** for compression loading. The X-PP is available in **pound or kilogram** capacities.

Accuracy: ±2% Full Scale. NIST Calibration Certificate included.

MODEL OPTIONS

- Zero position on dial at 12 o'clock is standard: 3, 6 or 9 o'clock is available on request.
- **Shockless dial indicator is available** for sudden application or release of load.

MODEL X-PP MODELS & PRICES

Model	Part Number	Capacity/Graduation	Price
XPP50	30795-0014	50-0-50 x 1 lbf	\$925
XPP125	30796-0013	125-0-125 x 2.5 lbf	925
XPP250	30797-0012	250-0-250 x 5 lbf	1035
XPP500	30798-0011	500-0-500 x 10 lbf	1075
XPP1000	30799-0010	1000-0-1000 x 20 lbf	1200
XPP2500	30800-0017	2500-0-2500 x 50 lbf	1610
XPP5000	30801-0016	5000-0-5000 x100 lbf	1690

Notes: (1) Maximum load pointer not available on push-pull models.

Equivalent kilogram models are available.

(2) **Optional Accessory:** Shockless dial indicator.

\$80

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