











PTC® Durometer Operating Stand Guide

| Model | Type | Durometer Compatibility | Durometer Description | ASTM Type | Image |
|-------|--|-------------------------|-----------------------|-----------|---|
| 320 | Spring Load Cell Submit a RFQ | 306L | Basic Style | A |  |
| | | 408 | Ergo Style | A | |
| | | 306BL | Basic Style | B | |
| | | 408B | Ergo Style | B | |
| | | 307CL | Basic Style | C | |
| | | 409C | Ergo Style | C | |
| | | 307L | Basic Style | D | |
| | | 409 | Ergo Style | D | |
| | | 413 | Ergo Style | DO | |
| 410 | Ergo Style | O | | | |
| 340 | Bowling Ball Submit a RFQ | 307L | Basic Style | D |  |
| | | 409 | Ergo Style | D | |
| 341 | Bowling Ball Submit a RFQ | 202 | Analog Pencil | D |  |
| | | 212 | Digital Pencil | D | |
| 470 | Deadweight 400 g Submit a RFQ | 302SL | Basic Style | • |  |
| | | 411 | Ergo Style | OO | |
| | | 412 | Basic Style | OOO | |
| 472 | ConstaLoader 1 kg Submit a RFQ | 306L | Basic Style | A |  |
| | | 408 | Ergo Style | A | |
| | | 306BL | Basic Style | B | |
| | | 408B | Ergo Style | B | |
| | | 410 | Ergo Style | O | |
| 472-1 | ConstaLoader 1 kg Submit a RFQ | 501A | e2000 Analog | A |  |
| | | 511A | e2000 Digital | A | |
| | | 501B | e2000 Analog | B | |
| | | 511B | e2000 Digital | B | |
| | | 5010 | e2000 Analog | O | |
| | | 5110 | e2000 Digital | O | |
| 472-2 | ConstaLoader 1 kg Submit a RFQ | 201 | Analog Pencil | A |  |
| | | 211 | Digital Pencil | A | |
| | | 201B | Analog Pencil | B | |
| | | 211B | Digital Pencil | B | |
| | | 2010 | Analog Pencil | O | |
| | | 2110 | Digital Pencil | O | |

| | | | | | |
|-----|---|--|--|---|--|
| 471 | Deadweight 1 kg Submit a RFQ | 306L 408 306BL 408B 410 | Basic Style Ergo Style Basic Style Ergo Style Ergo Style | A A B B O |  |
| 473 | Deadweight 1 kg & 5 kg Submit a RFQ | 306L 408 306BL 408B 307CL 409C 307L 409 413 410 | Basic Style Ergo Style Basic Style Ergo Style Basic Style Ergo Style Basic Style Ergo Style Ergo Style Ergo Style | A A B B C C D D DO O | |
| 475 | Deadweight 5 kg Submit a RFQ | 307CL 409C 307L 409 413 | Basic Style Ergo Style Basic Style Ergo Style Ergo Style | C C D D DO | |
| 476 | Deadweight 1 kg Submit a RFQ | 201 211 201B 211B 2010 2110 | Analog Pencil Digital Pencil Analog Pencil Digital Pencil Analog Pencil Digital Pencil | A A B B O O | |
| 477 | Deadweight 5 kg Submit a RFQ | 202C 212C 202 212 202DO 212DO | Analog Pencil Digital Pencil Analog Pencil Digital Pencil Analog Pencil Digital Pencil | C C D D DO DO |  |
| 478 | Deadweight 1 kg Submit a RFQ | 501A 501B 5010 511A 511B 5110 | e2000 Analog e2000 Analog e2000 Analog e2000 Digital e2000 Digital e2000 Digital | A B O A B O | |
| 479 | Deadweight 5 kg Submit a RFQ | 502C 502D 502DO 512C 512D 512DO | e2000 Analog e2000 Analog e2000 Analog e2000 Digital e2000 Digital e2000 Digital | C D DO C D DO |  |

Description: Model 320

The Model 320 Durometer Stand is an accessory to PTC®'s line of durometers and is also fully compatible with most durometers of other manufacture.

A unique, spring load cell can be easily set for precision A or D spring loads. This system eliminates the need for two separate stands. Heavy and bulky weights are not used, making the stand very portable and easy to use. The load cell must be set to "A" for Types A, B and O durometers or set to "D" for Types C, D and DO durometers.

To set to Type A, the upper part of the load cell is lifted and turned so that the head of the setscrew on the shaft fits into the slot at the imprinted "A" on the upper part. The same procedure is used for D scale, only the head of the setscrew is fitted into the slot marked "D".

The material to be tested is placed on the stand's table. The large knob at the lower right of the stand is turned to raise the stage. When taking a reading, the stage and sample are raised until the upper part of the load cell just begins to separate from the load cell housing.

This point marks the fully loaded position and the durometer will then register the hardness of the sample.

Description: Models 340 and 341

Models 340 and 341 portable durometer stands are designed specifically for measuring the hardness of bowling balls. This instrument combined with Type D Durometer Models 307L, 409, 202 or 212 will give accurate, repeatable, and quick hardness readings.

Description: Models 470, 471, 473, 475, 476, 477, 478 and 479

PTC®'s line of Deadweight Test Stands have been engineered for rapid, repetitive durometer hardness testing. These stands are easy to use and have been built to last for many years of service.

The Models 470, 471, 473, 475, 476, 477, 478 and 479 Precision Deadweight Test Stands are designed to provide the ASTM recommended forces for use with PTC®'s line of durometers and are also fully compatible with durometers of other manufacture.

Description: Models 472-1, 472-2 and 472

PTC®'s line of ConstaLoader Test Stands feature pneumatic operation which provides a smooth controlled rate of descent. These stands have been engineered for precise, repeatable and reproducible durometer hardness testing. They are easy to use and have been built to last for many years of service.

The Models 472-1, 472-2 and 472 ConstaLoader Test Stands are designed to provide the ASTM recommended forces for use with PTC®'s line of durometers and other durometer brands as well.

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