















# Durometer Types & Specifications



Type	Model No.	Force	Indenter Description	Applications
Type <b>A</b> ASTM D2240 JIS K6253 ISO 868	201 408 211 501A 306L 511A	821 gf 1.81 lb.	Truncated Cone 35° Included Angle 	Soft rubber, elastomers, printing rollers, nitriles, wax, and flexible polyacrylics
Type <b>A</b> (JIS) JIS K 6301	JIS A	855 gf 1.89 lb.	Truncated Cone 35° Included Angle 	Soft rubber, elastomers, printing rollers, nitriles, wax, and flexible polyacrylics
Type <b>B</b> ASTM D2240	201B 408B 211B 501B 306BL 511B	821 gf 1.81 lb.	Conical 30° Included Angle 	Moderately hard rubber, elastomers, paper products, fibrous materials
Type <b>C</b> ASTM D2240	202C 409C 212C 502C 307CL 512C	4.53 kgf 10 lb.	Truncated Cone 35° Included Angle 	Medium hard rubber, elastomers, thermoplastics, medium hard plastics
Type <b>C</b> (Asker) SRIS-0101 <small>(Model 603 meets both SRIS-0101 &amp; JIS K7312)</small>	601 604 603 611	855 gf 1.89 lb.	0.200" Spherical Diam. (5.08 mm) 	Medium density textile windings, soft rubber, foamed elastomers, wound threads (yarn packages)
Type <b>C</b> (JIS) JIS K 6301	JIS C	4.50 kgf 9.9 lb.	Truncated Cone 35° Included Angle 	Medium hard rubber, elastomers, thermoplastics, medium hard plastics
Type <b>D</b> ASTM D2240 JIS K6253 ISO 868	202 409 212 502D 307L 512D	4.53 kgf 10 lb.	Conical 30° Included Angle 	Hard rubber, elastomers, harder plastics, rigid thermoplastics
Type <b>DO</b> ASTM D2240	202DO 502DO 212DO 512DO 413	4.53 kgf 10 lb.	3/32" Spherical Diam. (2.38 mm) 	Dense textile windings, moderately hard rubber, elastomers
Type <b>E</b> ASTM D2240	408E 501E 511E	821 gf 1.81 lb.	0.200" Spherical Diam. (5.08 mm) 	Medium density textile windings, soft rubber, foamed elastomers, wound threads (yarn packages)
Type <b>O</b> ASTM D2240	201/O 501/O 211/O 511/O 410	821 gf 1.81 lb.	3/32" Spherical Diam. (2.38 mm) 	Soft rubber, elastomers, very soft plastics, med. density textile windings
Type <b>OO</b> ASTM D2240 <small>(no analog Max Hand per ASTM)</small>	203 411 511/OO	113 gf 4 oz.	3/32" Spherical Diam. (2.38 mm) 	Foam & sponge rubber, very soft rubber, elastomers, low density textile windings
Type <b>OOO</b> ASTM D2240 <small>(no analog Max Hand per ASTM)</small>	412 412L - with Max Hand <small>(non-ASTM model)</small>	113 gf 4 oz.	1/2" Spherical Diam. (12.7 mm) 	Open cell foams, very soft materials
Type <b>CF</b> ASTM F1957	414CF	9.11 kgf 20 lb.	1/2" Spherical Diam. (12.7 mm) 	Composite foam materials such as amusement park safety padding, seats, etc.
Type <b>SL</b>	302SL	142 gf 5 oz.	1 cm <sup>2</sup> - Circular (0.155in <sup>2</sup> ) 	Foam & sponge rubber

All of the above ASTM D2240 durometer types are available as an ASTM 'R' designated durometer. This designation has a flat circular base (presser foot) with a diameter of 18mm ± 0.5mm (0.71" ± 0.02")



TOLL FREE: 877-782-2329  
OUTSIDE U.S.: 310-478-1134  
LOS ANGELES, CA 90064-1482

WEB: HTTP://WWW.PTC1.COM  
E-MAIL: SALES@PTC1.COM  
FAX: 310-312-0826

# PTC METROLOGY™ IS A2LA ACCREDITED



Calibration Laboratory










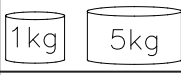









Certificate No. 1896.01

PTC Metrology™ is accredited by A2LA for durometer calibration to ISO/IEC 17025 & ANSI/NCSL Z540-1. NIST traceable certification is available for all durometer types covered by current ASTM D2240, ASTM F1957, ISO 868, ISO 7619, and DIN 53505 Standards.

The Calibration Report will include both "as received" and "as left" data on the force curve measurement. Durometer calibration includes: indenter geometry and extension, indicator linearity from 0 to 100, and mainspring force.

Other durometer types, custom models, and durometers of any manufacture can also be certified by PTC Metrology™.

## Precision Test Stands and Constant Load Weight

Model No.	Load	Description
320		Spring Loaded Test Stand for Classic or Ergo Style ASTM Type A, B, C, D, DO, E, & O; and Model 603, 604, & JIS A Durometers
441		Portable 1kg Constant Load Weight for Classic & Ergo Style ASTM Type A, B, E, & O; and Model 603, 604, & JIS A Durometers
470		Test Stand for Classic & Ergo Style Type OO & OOO Durometers and Model 302SL
471		Deadweight Stand for Classic & Ergo Style ASTM Type A, B, E, & O; and Model 603, 604, & JIS A Durometers
472		ConstaLoader™ Deadweight Stand w/Controlled Descent for Classic & Ergo Style ASTM Type A, B, E, & O; and Model 603, 604, & JIS A Durometers
472-1		ConstaLoader™ Deadweight Stand w/Controlled Descent for e2000™ Style ASTM Type A, A/R, B, B/R, O, & O/R Durometers
472-2		ConstaLoader™ Deadweight Stand w/Controlled Descent for Pencil Style ASTM Type A, B, & O; and Model 601 & 611 Durometers
473		Deadweight Test Stand for Classic & Ergo Style ASTM Type A, B, C, D, DO, E, & O; and Model 603, 604, & JIS A Durometers
474		ConstaLoader™ Deadweight Stand w/Controlled Descent for Classic & Ergo Style ASTM Type C, D, DO; and Model JIS C Durometers
474-1		ConstaLoader Deadweight Stand w/Controlled Descent for e2000™ Style ASTM Type C, D, DO Durometers
474-2		ConstaLoader™ Deadweight Stand w/Controlled Descent for Pencil Style ASTM Type C, D, DO Durometers
475		Deadweight Test Sand for Classic & Ergo Style ASTM Type C, D, & DO; and Model JIS C Durometers
476		Deadweight Stand for Pencil Style ASTM Type A, B, & O; and Model 601 & 611 Durometers
476-OO		Deadweight Stand for Pencil Style ASTM Type OO Durometer
477		Deadweight Stand for Pencil Style ASTM Type C, D, & DO Durometers
478		Deadweight Test Stand for e2000™ Style ASTM Type A, A/R, B, B/R, O, & O/R Durometers
479		Deadweight Test Stand for e2000™ Style ASTM Type C, D, & DO Durometers



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WEB: [HTTP://WWW.PTC1.COM](http://www.ptc1.com)  
 E-MAIL: [SALES@PTC1.COM](mailto:SALES@PTC1.COM)  
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