

PTC® Durometer Application Guide

This selection guide is designed as a general overview of the many durometer styles, types, spring force ranges, and indenter configurations.

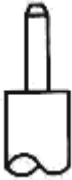
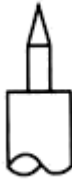
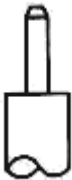
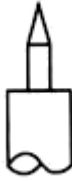
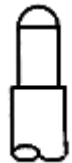


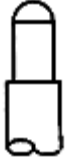
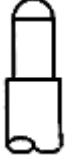

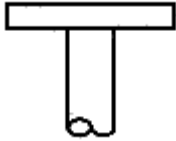

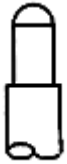
It may assist in choosing the proper durometer for a particular application, however, it is not to be considered a definitive technical document.

Questions regarding specific testing requirements requiring detailed technical information, are freely answered as a service to our customers.

The [text link](#) in the ‘Model’ column of the table below will display the current information for the respective durometer.

It is also highly recommended that, whenever possible, an operating stand be employed in performing durometer hardness tests. Please visit the PTC® Operating Stand WebPage to select a suitable [Operating Stand](#) for your application.

Type	Application	Model	Description	Main Spring (gf)	Indenter Geometry
A	Rubber: Soft vulcanized, natural, nitrile	201 211 306L 408	Analog Pencil Digital Pencil Classic Style Ergo Style	821 821 821 821	 35° Cut Cone
	Elastomeric Materials: neoprene, thiokol, flexible polyacrylic esters	501A 511A	Analog e2000 Digital e2000	821 821	
JIS A	Other: Wax, felt, leather, etc.	JIS A	Classic Style	855	
B	Rubber: Moderately Hard (typewriter rollers, platens)	201B 211B 306BL 408B 501B 511B	Analog Pencil Digital Pencil Classic Style Ergo Style Analog e2000 Digital e2000	821 821 821 821 821 821	 30° Cone
C	Rubber: Medium Hard	202C 212C 307CL 409	Analog Pencil Digital Pencil Classic Style Ergo Style	4536 4536 4536 4536	 35° Cut Cone
	Plastics: Medium Hard	502C 512C	Analog e2000 Digital e2000	4536 4536	
JIS C		JIS C	Classic Style	4500	
D	Rubber: Hard	202 212 307L 409 502D 512D	Analog Pencil Digital Pencil Classic Style Ergo Style Analog e2000 Digital e2000	4536 4536 4536 4536 4536 4536	 30° Cone
	Plastics: Harder grades; Rigid Thermoplastics				
DO	Textile Windings: Very Dense (slasher beams, etc.)	202DO 212DO 413 502DO 512DO	Analog Pencil Digital Pencil Ergo Style Analog e2000 Digital e2000	4536 4536 4536 4536 4536	 3/32" Sphere

O	<u>Rubber:</u> Soft <u>Textile Windings:</u> Medium Density	2010 2110 410 5010 5110	Analog Pencil Digital Pencil Ergo Style Analog e2000 Digital e2000	821 821 821 821 821	 3/32" Sphere
OO	<u>Rubber:</u> Sponge <u>Textile Windings:</u> Low Density	203 411	Analog Pencil Ergo Style	113 113	 3/32" Sphere
OOO	<u>Plastic:</u> Foams <u>Rubber:</u> Sponge	412	Classic Style	113	 1/4" Sphere
SL	<u>Plastic:</u> Foams <u>Rubber:</u> Sponge	302SL	Classic Style	142	 11.3 mm Ø
CF	<u>Plastic:</u> Foams <u>Rubber:</u> Sponge	414CF	Classic Style	9072	 1/4" Sphere
Asker C	<u>Plastic:</u> Foams <u>Rubber:</u> Sponge	Asker C	Classic Style	855	 5.08 mm Sphere

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