


Rex® Durometer Application Guide


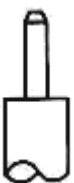

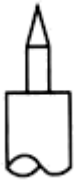

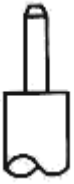

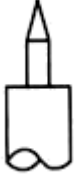
This selection guide is designed as a general overview of the many durometer styles, types, spring force ranges, and indenter configurations.


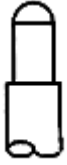

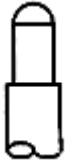

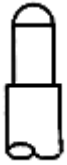



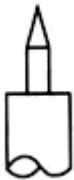
It may assist in choosing the proper durometer for a particular application, however, it is not to be considered a definitive technical document.



The [text link](#) in the 'Model' column of the table below will display the current information for the respective durometer. The color of Rex® durometers indicates their respective type (scales),  for example, indicates ASTM D–2240 Type O.

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

ASTM Type	Application	Model	Description	Spring (gf)	Indenter Geometry
 A	<u>Rubber:</u> Soft vulcanized, natural, nitrile <u>Elastomeric Materials:</u> neoprene, thiokol, flexible polyacrylic esters <u>Other:</u> Wax, felt, leather, etc.	DD-3	Digital	822	 35° Truncated Cone
		MS-1	Multi-Scale		
		H1000	Mini-Dial		
		1500	Vernier Scale		
		1600	Standard Dial		
		1700	Max Hand		
		2000	Max Hand		
2100	Tires Only				
 B	<u>Rubber:</u> Moderately Hard (typewriter rollers, platens)	DD-3	Digital	4536	 30° Cone
		MS-1	Multi-Scale		
		H1000	Mini-Dial		
		1500	Vernier Scale		
		1600	Standard Dial		
		1700	Max Hand		
		2000	Max Hand		
 C	<u>Rubber:</u> Medium Hard <u>Plastics:</u> Medium Hard	DD-3	Digital	4536	 35° Truncated Cone
		MS-1	Multi-Scale		
		H1000	Mini-Dial		
		1500	Vernier Scale		
		1600	Standard Dial		
		1700	Max Hand		
		2000	Max Hand		
 D	<u>Rubber:</u> Hard <u>Plastics:</u> Harder grades; Rigid Thermoplastics	DD-3	Digital	4536	 30° Cone
		MS-1	Multi-Scale		
		H1000	Mini-Dial		
		1500	Vernier Scale		
		1600	Standard Dial		
		1700	Max Hand		
		2000	Max Hand		

ASTM Type	Application	Model	Description	Spring (gf)	Indenter Geometry
DO 	<u>Textile Windings:</u> Very Dense (slasher beams, etc.)	DD-3	Digital	4536	 3/32" Sphere
		MS-1	Multi-Scale		
		H1000	Mini-Dial		
		1500	Vernier Scale		
		1600	Standard Dial		
		1700	Max Hand		
		2000	Max Hand		
O 	<u>Rubber:</u> Soft <u>Textile Windings:</u> Medium Density	DD-3	Digital	822	 3/32" Sphere
		MS-1	Multi-Scale		
		H1000	Mini-Dial		
		1500	Vernier Scale		
		1600	Standard Dial		
		1700	Max Hand		
		2000	Max Hand		
OO 	<u>Rubber:</u> Sponge <u>Textile Windings:</u> Low Density	DD-3	Digital	113	 3/32" Sphere
		MS-1	Multi-Scale		
		1600	Standard Dial		
OOO 	<u>Rubber:</u> Sponge <u>Plastic:</u> Foams	DD-3	Digital	113	 1/2" Sphere
		1600	Standard Dial		
M 	<u>Rubber:</u> Soft vulcanized, natural, nitrile <u>Elastomeric Materials:</u> neoprene, thiokol, flexible polyacrylic esters <u>Other:</u> Small irregular shapes 1.25 mm+ thick	DD-3	Digital	78	 30° Cone
		1600	Standard Dial		

Please visit the individual Rex® Durometer pages for complete product descriptions, specifications and pricing information.

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