



# ASKER

## Durometer




**ASKER Model F**  
**ASKER Model FP**

Exclusive type for foam materials, allowing measurement by placing the tester on the object of measurement. In addition to Model F, Model FP is available for powder puff.



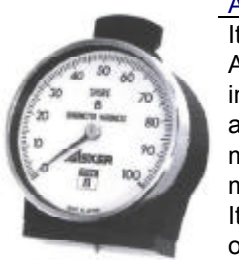
**ASKER Model CS**

This features larger indenter and a more strong spring compared to ASKER C, thereby making it more suitable for polystyrene foam.



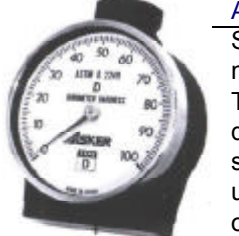
**ASKER Model JA**

A hardness tester which conforms with the Japanese Industrial Standards JIS K 6301. One of the most popular types in Japan, but has recently been gradually replaced with the ISO-specified Type A




**ASKER Model B**

It uses the same spring load used in ASKER Model A. It adopts a conical indenter similar to that of Model D, so as to be applicable to harder measuring objects than can be measured by Model A. It is useful for hardness measurement of unglazed pottery clay and ceramics in green condition.




**ASKER Model D**

Similar to ASKER Model A, this model is defined as 'Durometer Type D' as described in various domestic and international standards. It is in widespread use for hardness measurement of plastics and hard rubber.




**ASKER Model C**  
**ASKER Model C2**

ASKER Model C is intended for hardness measurement of soft rubber, sponge, foamed elastomers, wound threads(yarn package), rolled films, potter's clay(kaolin), and other such soft materials. For even softer materials, Model C2 is available




**ASKER Model A**

Has been used for wide applications since being standardized in the ISO.



**ASKER Model JAL**

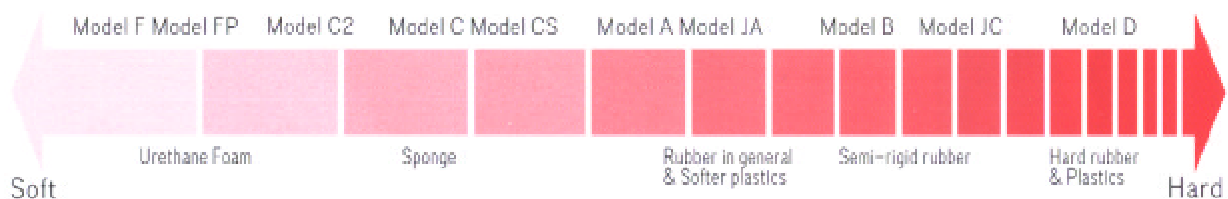
Especially useful for recessed and/or smaller measuring areas. In addition to the standard Model JAL, long presser foot types are available for another Model applications.



**ASKER Model JC**

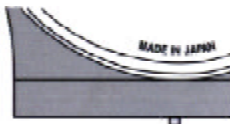
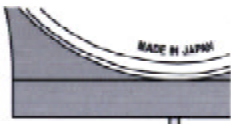
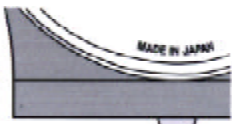
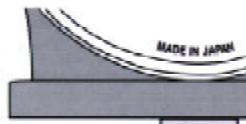
ASKER JC have those hardness testers described in JIS K 6301 as 'suitable for samples found to have a hardness value above 70 according to Model A'. It features higher resolution for hardness measurement of hard rubber.

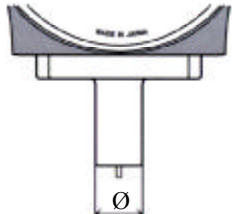
## HARDNESS TESTER SELECTION CHART



LIST OF ASKER RUBBER HARDNESS TESTERS									
Order No	Principal Standards	Indentor Design (mm)		Spring Load (gf)		Size & Shape of the presser foot (mm)	Outside Dimensions (mm)	Weight (g)	
		Height	Shape	0 Degree	100 Degree				
J A	JIS K 6301 ( Type A )	2.54	35-Deg.	55	855	44x18 ( rectangular )	Width 57 Depth 30 Height 76	200	
J C	JIS K 6301 ( Type C )			100	4500				
A	JIS K6253 JIS K 7215 ASTM D 2240 ISO 7619 ISO 868 ( Durometer Type A )	2.50	Truncated Cone 0.79	56	821				
				D	JIS K 6253 JIS K 7215 ASTM D 2240 ISO 7619 ISO 868 ( Durometer Type D )				30-Deg.Cone  Tip Radius 0.1
B	ASTM D 2240 ( Durometer TypeB)	56	821						
ASKER C	SRIS 0101 The Society of Rubber Industry, JAPAN Standard	2.54	5.08 Diameter Hemisphere	55	855				
ASKER C2	ASKER C			55	455				
ASKER CS	ASKER CS			10 Diameter Circular Cylinder	100				4500
ASKER FP	ASKER FP			15 Diameter Circular Cylinder	100	200	50x37 (Oval )	50x37x81	30
ASKER F	ASKER F			25.2 Diameter Circular Cylinder	55	455	80 Diameter (Circular )	80x80x81	500

### Indentor Design

Conical Design	Truncated Cone Design	Hemispherical Design	Cylindrical Design
			
<p>Cone point type. Model B and D has this type. Measuring objects: Hard rubber and plastics</p>	<p>Flat point type. Model A and JA has this type. Measuring objects: Rubber in general</p>	<p>Hemispherical point featuring larger contact area. Model C has this type. Measuring objects: Soft rubber and sponge rubber</p>	<p>This type allows an extended specimen surface area to be pushed. Models F, FP and CS have this type. Measuring objects: Urethane foam, sponge and polystyrene foam</p>

<h3>Long Presser Foot Type</h3> 	<p>This features a longer presser foot, allowing measurement of narrow measurement objects of those having recessed sections. Models JAL and JCL (Ø = 10mm) Models AL, DL and BL (Ø = 12mm) Models CIL and C2L (Ø = 16mm)</p>
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