

# TMG Universal Benchtop Material Thickness Gauge - ASTM/DIN/EN/ISO Standards

The series TMG Thickness Gauge is a cost efficient and easy to use instrument for measuring the thickness of different materials. The modular design with interchangeable feet with related weights enables the use for several standards. We can also offer specific Thickness Gauges modified to fit your special requirements.

The constant force and precision machined parts enables repeatable readings. We use only corrosion-resistant materials. Therefore you can use our Thickness Gauges in environments with high humidity.

## Features:

- Laboratory grade granite base: Ø200 mm x 40 mm
- Stainless steel Column: Ø30 mm
- Sturdy aluminium lever
- Individual serial number on weight/foot
- You can measure material thickness up to 12 mm. Above 12 mm you require a slip gauge and the preset-function of the gauge (10 mm slip gauge: Material thickness 10 up to 22 mm)
- Resolution: 0,001 mm
- Weight approx. 5,5 kgs
- Delivered with operating instructions and manual lifter

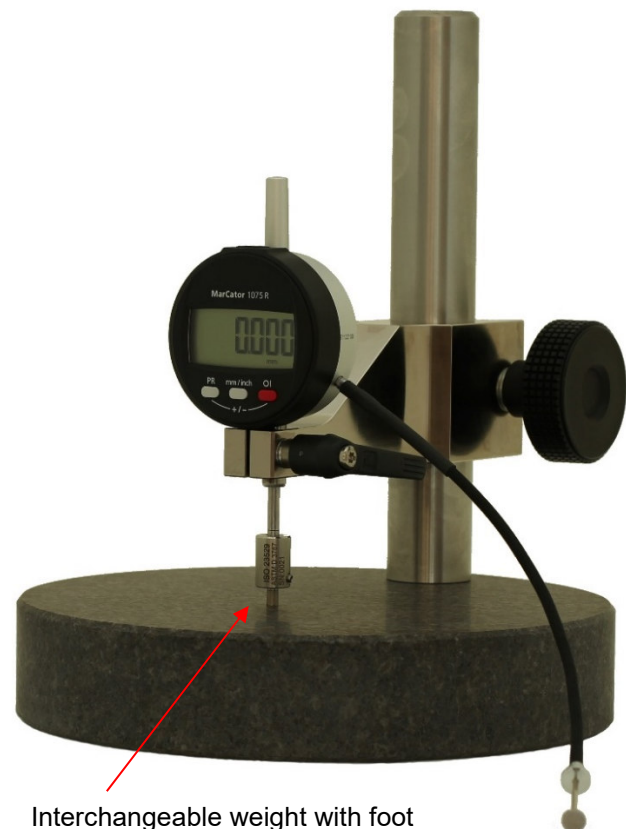
## Optional:

- Inhouse Calibration Certificate
- Slip gauge
- HilMeasure software
- DAkkS-cert for gauge (measuring way)
- Lifting device for digital gauge

## Best seller:

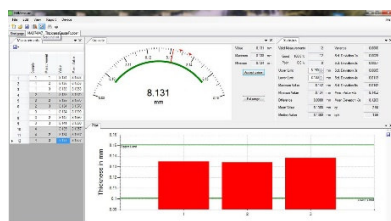
Thickness Gauge for Rubber TMG

- For materials with a hardness of  $\geq 35$  IRHD
- Pressure: 22 kPa  $\pm$  5 kPa, conforms to 28 g on the foot
- Equipped with an interchangeable weight and foot Ø4 mm
- Optional weights and feet for other standards are available
- Conforms to following standards:
  - o ISO 23529 (Rubber-General procedures for preparing and conditioning test pieces for physical test methods)
  - o ASTM D 3767 (Standard Practice for Rubber-Measurement of Dimensions)



Interchangeable weight with foot

HilMeasure:



Lifting device:



<b>Configurated models</b>					
Model	Standard	Application	Foot Ø (mm)	Weight (g)	Pressure (kPa)
TMG-1	ISO 23529 ASTM D 3767	Rubber, elastomers	4,0	28,0	22,0
TMG-3	ISO 5084	Textiles	50,5	204,0	1,0
TMG-4	ASTM D 3767	Rubber/elastomers with a hardness of <35 IRHD	16,0	212,0	10,0
TMG-5	ASTM D 1777 Option 2	Coated fabrics, narrow fabrics, webbings, tapes, ribbons, braids	9,5	169,0	23,4
TMG-11	DIN EN ISO 12625-3	Tissue	35,7	204,0	2,0
TMG-12	DIN EN 1849-2	Flexible sheets for waterproofing	10,0	160,0	20,0
TMG-13	ASTM D 1777 Option 1	Woven fabrics, knitted fabrics, textured fabrics	28,7	273,0	4,14
TMG-14	ASTM D 1777 Option 5	Blankets, pile fabrics, napped fabrics	28,7	46,2	0,7
TMG-15	DIN EN ISO 2286-3 Teil 3	Rubber- or plastics- coated fabrics	10,0	16,0	2,0
TMG-16	DIN EN ISO 2286-3 Teil 3	Rubber- or plastics- coated fabrics	10,0	192,2	24,0
TMG-18	ASTM F 2251	Flexible packaging material	6,35	10...150	---

<b>Inserts (foot with weight)</b>					
Order no.	Standard	Application	Foot Ø (mm)	Weight (g)	Pressure (kPa)
219 3021	ISO 23529 ASTM D 3767	Elastomers	5,0	20,0	10,0
219 302	ISO 23529 ASTM D 3767	Elastomers	6,0	29,0	10,0
219 306	ASTM D 3767	Elastomers	6,3	32,0	10,0
219 3022	ISO 23529 ASTM D 3767	Elastomers	8,0	51,0	10,0
219 3023	ISO 23529 ASTM D 3767	Elastomers	10,0	80,0	10,0
219 305	ASTM D 3767	Elastomers	16,0	212,0	10,0
219 3011	ISO 23529	Elastomers	3,0	16,0	22,0
219 3016	ASTM D 3767	Elastomers	3,2	18,0	22,0
219 301	ISO 23529 ASTM D 3767	Elastomers	4,0	28,0	22,0
219 3012	ISO 23529 ASTM D 3767	Elastomers	5,0	44,0	22,0
219 3013	ISO 23529 ASTM D 3767	Elastomers	6,0	63,0	22,0
219 3051	ASTM D 3767	Elastomers	6,3	70,0	22,0

<b>Inserts (foot with weight)</b>					
<b>Order no.</b>	<b>Standard</b>	<b>Application</b>	<b>Foot Ø (mm)</b>	<b>Weight (g)</b>	<b>Pressure (kPa)</b>
219 3014	ISO 23529 ASTM D 3767	Elastomers	8,0	113,0	22,0
219 3015	ISO 23529 ASTM D 3767	Elastomers	10,0	176,0	22,0
219 303	ISO 5084	Textiles	50,5	204,0	1,0
219 307	ASTM D 1777 Option 2	Textile materials, coated fabrics, webbings, tapes, ribbons, braids	9,5	169,0	23,4
219 320	ASTM D 1777 Option 5	Blankets, pile fabrics, napped fabrics	28,7	46,2	0,7
219 308	ISO 9073-2 Method A	Nonwoven	56,4	128,6	0,5
219 309	DIN EN 1849-2	Flexible sheets for waterproofing	10,0	160,0	20,0
219 310 219 086	DIN EN ISO 24346 part 2	Resilient floor coverings Horseshoe 500 g	25,3	200,0	4,0
219 312	DIN EN ISO 12625-3	Tissue	35,7	204,0	2,0
219 313	DIN EN ISO 2286-3 Teil 3	Rubber- or plastics-coated fabrics	10,0	16,0	2,0
219 3131	DIN EN ISO 2286-3 Teil 3	Rubber- or plastics-coated fabrics	10,0	40,0	5,0
219 3132	DIN EN ISO 2286-3 Teil 3	Rubber- or plastics-coated fabrics	10,0	80,0	10,0
219 3133	DIN EN ISO 2286-3 Teil 3	Rubber- or plastics-coated fabrics	10,0	192,2	24,0
219 319	ASTM D 1777 Option 1	Woven fabrics, knitted fabrics, textured fabrics	28,7	273,0	4,14
219 323	ASTM F 2251	Flexible packaging material	6,35	10... 150	---