

MaraMeter 840 FC

Indicating Snap Gage

FEATURES

- Rugged, forged steel frame with heat insulators
- Measuring spindle is mounted in long guideway with lever controlled retraction
- Measuring spindle and anvil spindle are both made of hardened stainless steel, ceramic measuring faces
- Adjustable centering stop for surface centering
- Anvil spindle can easily be fine adjusted
- Constant measuring force as a result of built-in spring, eliminating user influence
- Maximum wear resistance due to non-contact positioning in conjunction with carbide tipped measuring faces in connection with ceramic measuring faces
- **Package contains:** flat contact point 903 (steel), instruction manual, wooden case, excludes indicator



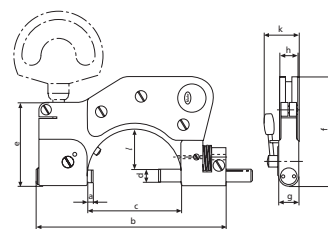
Application:

- For cylindrical parts such as shafts, bolts and spindles
- For thickness and length measurements
- Universally applicable and extremely versatile
 - Each instrument spans a broad measuring range
 - Any dimension and fit can be very quickly and easily adjusted

TECHNICAL DATA

Order no.	Measuring surface	Product type	Application range	Application range in inch	Measuring span	Parallelism deviation	Flatness deviation	Repeatability f_w	Measuring force	Frame size
4450100	ceramic	840 FC	0 – 25	0 – 1"	2	1 μm	0.2 μm	1 μm	7.5 N	1
4450101	ceramic	840 FC	25 – 60	1 – 2.36"	2	2 μm	0.2 μm	1 μm	7.5 N	2

Order no.	k	l	a	b	c	d	e	f	g	h
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
4450100	23	14	5	97	34	8	54	65	12	13
4450101	25	30	5	140	68	9	60	77	13	13



ACCESSORIES

Order no.	Product name	Product type
4333000	Millimess 5 μm , \pm 130 μm	1004
4334000	Millimess 1 μm , \pm 50 μm	1003
4334001	Millimess 2 μm , \pm 130 μm	1003 XL
4335000	Millimess 0.5 μm , \pm 25 μm	1002
4337620	Digital indicator, 0.0005 mm, 12.5 mm	1086 R
4337624	Digital indicator, 0.0005 mm, 12.5 mm	1086 Ri
4450020	Base, for stationary application	840 Ff
4450050	Holder, frame size 1	840 Fk/1
4450051	Holder, frame size 2	840 Fk/2



1004



1003



1002



1086 R;1086 R-HR;1086 ZR



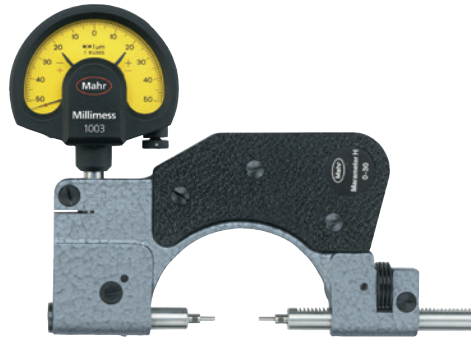
1086 Ri

MaraMeter 840 FH

Indicating Snap Gage

FEATURES

- Rugged, forged steel frame with heat insulators
- Measuring spindle is mounted in long guideway with lever controlled retraction
- Measuring and anvil spindle have precision tapered bores for mounting interchangeable anvils (with accessory 40 He)
- Anvil spindle can easily be fine adjusted
- Constant measuring force as a result of built-in spring, eliminating user influence
- Maximum wear resistance due to non-contact positioning in conjunction with carbide tipped measuring faces
- **Package contains:** flat contact point 903 (steel), spanner DIN 902–3.5, wooden case, excludes indicator



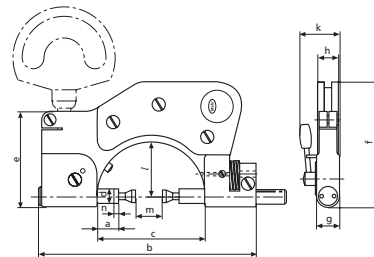
Application:

- For cylindrical parts such as shafts, bolts and spindles
- Universally applicable
- A wide variety of measurement problems can be solved with the broad range of interchangeable anvils

TECHNICAL DATA

Order no.	Product type	Application range	Application range in inch	Measuring span	Repeatability f_w	Measuring force	Frame size
		mm		mm	μm	N	
4451000	840 FH	0–30	0–1.18"	2	1	7.5	2
4451005	840 FH	30–80	1.18–3"	2.5	1	7.5	3

Order no.	k	l	n	a	b	c	d	e	f	g	h
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
4451000	25	34	2	12.5	140	68	9	60	77	13	13
4451005	28	59	2.5	7.5	193	110	10	60	103	13	13



MaraMeter 840 FG

Indicating Snap Gage

FEATURES

- Rugged, forged steel frame with heat insulators
- Measuring spindle is mounted in long guideway with lever controlled retraction
- Measuring spindle and anvil spindle have an M 2.5 connection thread, thus enabling the use of interchangeable anvils that are also used in dial indicators and dial comparators
- Anvil spindle can easily be fine adjusted
- Constant measuring force as a result of built-in spring, eliminating user influence
- Maximum wear resistance due to non-contact positioning in conjunction with carbide tipped measuring faces
- **Package contains:** flat contact point 903 (steel), wooden case, excludes indicator



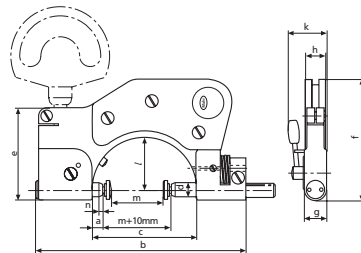
Application:

- For cylindrical parts such as shafts, bolts and spindles
- Universally applicable
- A wide variety of measurement problems can be solved with the broad range of interchangeable anvils

TECHNICAL DATA

Order no.	Product type	Application range mm	Application range in inch	Measuring span	Repeatability f_w	Measuring force	Frame size
		mm		mm	μm	N	
4454000	840 FG	0 – 50	0 – 2"	2	1	7.5	2
4454001	840 FG	40 – 90	1.57 – 3.57"	2.5	1	7.5	3

Order no.	k	l	n	a	b	c	d	e	f	g	h
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
4454000	25	34	2	5	140	68	9	60	77	13	13
4454001	28	59	2.5	6.5	193	110	10	60	103	14	13

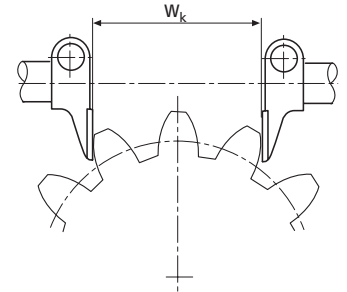
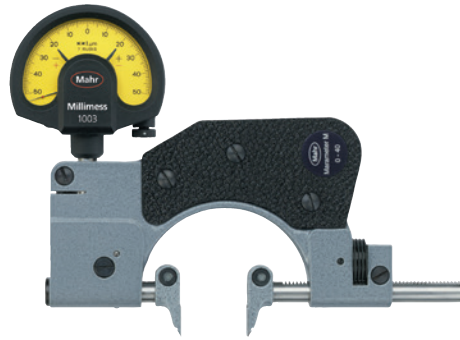


MaraMeter 840 FM

Indicating Snap Gage

FEATURES

- Rugged, forged steel frame with heat insulators
- Measuring spindle is mounted in long guideway with lever controlled retraction
- Measuring spindle and anvil spindle made of hardened stainless steel; with extending carbide-tipped measuring jaws
- Anvil spindle can easily be fine adjusted
- Constant measuring force as a result of built-in spring, eliminating user influence
- Maximum wear resistance due to non-contact positioning in conjunction with carbide tipped measuring faces in conjunction with carbide-tipped measuring faces
- **Package contains:** flat contact point 903 (steel), instruction manual, wooden case, excludes indicator



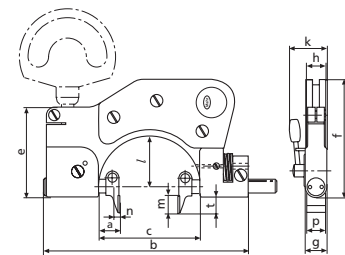
Application:

- For inspection of diameters of small hubs, registers and shoulders on shafts
- Can be used to inspect tooth span W_k and reference-free tooth thickness on spur gears having straight and helical teeth
- Universally applicable and extremely versatile, each instrument offers long measuring range within its adjustable range

TECHNICAL DATA

Order no.	Product type	Appli- cation range	Appli- cation range in inch	Base tangent lengths start- ing from mod- ule m	Size of meas- uring surface	Measur- ing span	Parallel- ism devi- ation	Flatness devia- tion	Repeat- ability f_w	Measur- ing force	Frame size
		mm				mm	μm	μm	μm	N	
4452000	840 FM	0 – 40	0 – 1.57"	0.5	12 x 12 mm	2	2	0.5	1	7.5	2
4452001	840 FM	40 – 80	1.57 – 3"	0.5	12 x 12 mm	2.5	3	0.5	1	7.5	3
4452002	840 FM	80 – 130	3 – 5"	1	15 x 17 mm	2.5	3	0.5	1	9	4
4452003	840 FM	130 – 180	5 – 7"	1	15 x 17 mm	2.5	3	0.5	1	9	5

Order no.	k	l	m	p	t	a	b	c	e	f	g	h
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
4452000	25	34	12	12	11	14	140	68	60	77	13	13
4452001	28	59	12	12	11	14	193	110	60	103	14	13
4452002	31	87	17	15	17	19	258	162	70	141	16	20
4452003	31	112	17	15	17	15	316	212	75	171	16	20



ACCESSORIES

Order no.	Product name	Product type
4333000	Millimess 5 μm , $\pm 130 \mu\text{m}$	1004
4334000	Millimess 1 μm , $\pm 50 \mu\text{m}$	1003
4334001	Millimess 2 μm , $\pm 130 \mu\text{m}$	1003 XL
4335000	Millimess 0.5 μm , $\pm 25 \mu\text{m}$	1002
4337620	Digital indicator, 0.0005 mm, 12.5 mm	1086 R
4337624	Digital indicator, 0.0005 mm, 12.5 mm	1086 Ri
4450020	Base, for stationary application	840 Ff
4450051	Holder, frame size 2	840 Fk/2
4450052	Holder, frame size 3	840 Fk/3
4450053	Holder, frame size 4 + 5	840 Fk/4