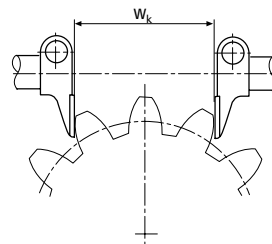
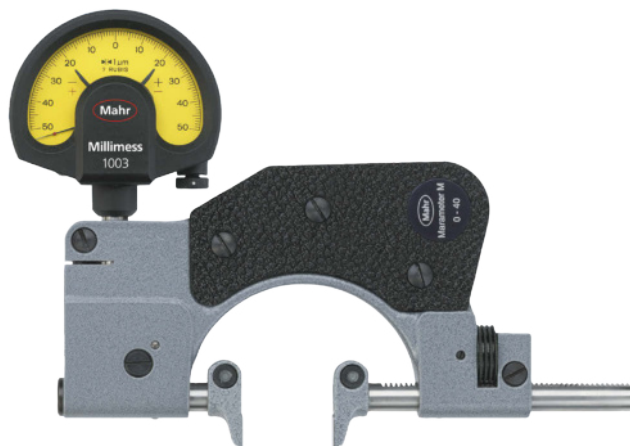


# Marameter 840 FM

## 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 noncontact 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



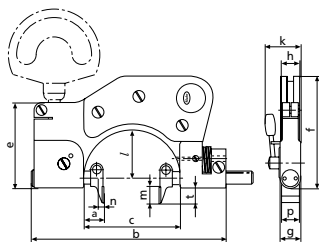
### Applications:

- 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.	4452000	4452001	4452002	4452003	
Type	840 FM				
Application range	mm	0 – 40	40 – 80	80 – 130	130 – 180
Application range	inch	0 – 1.57"	1.57 – 3"	3 – 5"	5 – 7"
Base tangent lengths starting from module m	0.5		1		
Size of measuring surface	12 x 12 mm		15 x 17 mm		
Measuring span	mm	2	2.5		
Parallelism deviation	$\mu\text{m}$	2	3		
Flatness deviation	$\mu\text{m}$	0.5			
Repeatability $f_w$	$\mu\text{m}$	1			
Measuring force	N	7.5	9		
Frame size		2	3	4	5

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



### ACCESSORIES

Order no.	Description	Type
4333000	Millimess 5 $\mu\text{m}$ , $\pm$ 130 $\mu\text{m}$	1004
4334000	Millimess 1 $\mu\text{m}$ , $\pm$ 50 $\mu\text{m}$	1003
4334001	Millimess 2 $\mu\text{m}$ , $\pm$ 130 $\mu\text{m}$	1003 XL
4335000	Millimess 0.5 $\mu\text{m}$ , $\pm$ 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
4450051	Holder, Frame size 2	840 Fk/2
4450020	Base for stationary application	840 Ff
4450052	Holder, frame size 3	840 Fk/3
4450053	Holder, frame size 4 + 5	840 Fk/4



1004



1003



1002



1086 R



840 Fk/2