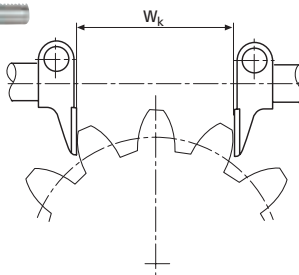


Indicating Snap Gage MaraMeter 840 FM



Application:

- For diameters of small hubs, registers, shoulders on shafts and groove widths
- For inspection for tooth span W_k as indirect, reference-free determination of tooth thickness on spur gears with straight and helical teeth
- Universally applicable and extremely versatile, each instrument spans a broad measuring range, within this range any dimension and fit can be very quickly and easily adjusted



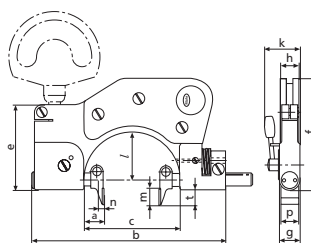
- Rugged, forged steel frame with heat insulators
- Measuring spindle is mounted in long guideway with lever controlled retraction
- Measuring spindle and anvil spindle made of hardened stainless steel; with extending carbide-tipped measuring jaws
- Anvil spindle can easily be fine adjusted
- Constant measuring force as a result of built-in spring, thus 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
- **Scope of delivery:** Flat contact point 903 (steel), Instruction manual, Wooden case (package excludes indicator)

Technical Data

Order no.		4452000	4452001	4452002	4452003
Product type		840 FM	840 FM	840 FM	840 FM
Measuring range	mm	0 – 40	40 – 80	80 – 130	130 – 180
Measuring range	inch	0 – 1.57"	1.57 – 3"	3 – 5"	5 – 7"
Base tangent lengths starting from module m		0.5	0.5	1	1
Size of measuring surface		12 x 12 mm	12 x 12 mm	15 x 17 mm	15 x 17 mm
Distance of movable anvil	mm	2	2.5	2.5	2.5
Parallelism deviation	μm	2	3	3	3
Flatness deviation	μm	0.5	0.5	0.5	0.5
Repeatability fw	μm	1	1	1	1
Measuring force	N	75	75	9	9
Frame size		2	3	4	5

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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 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
4346000	Inductive dial comparator, \pm 0.9 μm	2000
4346100	Inductive dial comparator, \pm 0.9 μm	2001
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

