



CARY

PIN GAUGES

The most convenient and fastest method to control small diameter holes

RING GAUGES

For the control of cylindrical parts Such as: pivot, axes, wheels, etc.

ABSOLUTE PRECISION













Type TLH/TTLH

The TDH plug gauge consists of a gau- The TLH is identical lo the TDH gauge minium handle. It is best handled by use of the gauge without tweezers. means of tweezers as the gauge handle is too small for use by hand.

ging pivot fixed in a 9 mm long alu- with a 30 mm handle. This enables the This type is also available as doubleended.

Quality	Standard Etalon				
Accuracy (1 μm = 0,001 mm)	+/- 0.4μm +/- 0.15μm				
Marking units (engraving)	[mm]*				
Nominal diameter (mm)	da 0.05 a 0.1	da 0.1 a 0.15	da 0.15 a 0.2	da 0.2 a 0.25	da 0.25 a 0.3
Measuring length	0.8mm	1mm	1.2mm	1.4mm	1.6mm
Material	steel	hard metal	steel		hard metal
Colour of handle	blue	●black	oyello o	W	●red

(*)for example: 094 = 0,094 mm

CARY PLUG GAUGES IN STEEL: TXH/TTXH Ø 0,3 to 10 mm

CARY PLUG GAUGES IN TUNGSTEN CARBIDE: (hard metal) TCH/TTCH Ø 0,3 to 6 mm

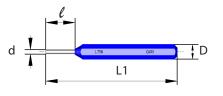
Application: In practice the measuring and inspection of small bores is best achieved by means of plug gauges They are also eminently suitable for setting, adjusting and checking of precision measuring instruments such as micrometers, comparators, etc.

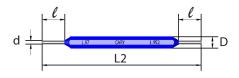


Quality		Standard	Etalon
Accuracy:	from ø 0.3 to 3mm	+/- 0.4μm	+/- 0.25μm
	from ø 3 to 10mm	+/- 0.5μm	+/- 0.3μm

OVERALL SIZES FOR PLUG GAUGES [mm]

ø from	to	L1	L2	D	ℓ	Box for 50 gauges
0.3	0.5	38	41	3.5	3	PTXK
0.5	1	39	43	3.5	4	PTXK
1	1.5	40	45	3.5	5	PTXK
1.5	2	46	52	5	6	MTXK
2	2.5	47	54	5	7	MTXK
2.5	3	48	56	5	8	MTXK
3	3.5	49	58	5	9	MTXK
3.5	4	60	70	8	10	GTXK
4	5	61	72	8	11	GTXK
5	10	62	74	8	12	GTXK





LONG GAUGE PNH

Treatment tempered, ground and lapped

Measuring Length
Diameter 0.08 a 0.15mm: 20mm

Diameter 0.15 a 6.35mm: 32mm



Type PNH

Unit metric or inch

Accuracy	Ø	Accuracy
Standard	0.08 a 10mm	+/- 0.8μm
Master	0.1 a 6mm	+/- 0.3μm
	6 a 10mm	+/- 0.5μm

CARY RING GAUGES BCH, BAH e BOM

Application: measuring, gauging and inspection of cylindrical components (pivot, axles, wheels, etc.). The inspection of cylindrical components by means of ring gauges enables the measurement of the external diameter which is particularly important for components which are not perfectly round.





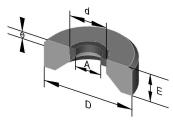


Ref.	BCH	BAH	BOM
Material	tungsten carbide	steel	steel or tungsten carbide
Colour of out ring	●black	blue	●grey
Diameter (ø) (mm)	from 0.05 to 5	from 0.151 to 5	from 5 to 29.99
Accuracy: ø 0.06 a 3mm	+/- 0.6μm		
Accuracy: ø 0.15 a 3mm		+/- 0.6μm	
Accuracy: ø 3 a 5mm	+/- 0.75μm	+/- 0.75μm	
Accuracy: ø 5 a 10mm			+/- 1.25μm
Accuracy: ø 10 a 18mm			+/- 1.5μm
Accuratezza: ø 18 a 29.99mm			+/- 2μm

RING GAUGES SIZES [mm]

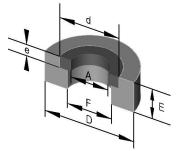
		Ring			
		BCH	BAH	BCH	BAH
ø from	to	d=øext		e= heigt	
0.06	0.509	1.8	1.4	0.5	0.35
0.510	0.759	1.8	1.8	0.5	0.5
0.760	1.259	2.4	2.4	0.75	0.75
1.260	1.509	3	3	0.9	0.9
1.510	2.509	5	5	1.5	1.5
2.510	4.009	8	8	2.4	2.4
4.010	5.000	10	10	3.0	3.0

Outer ring	
D=øext.	E= height
8	2.5
8	2.5
8	2.5
8	2.5
12	4
16	5.5
20	7.0



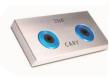
		BCH & BAH	BCH & BAH
ø from	to	d=øest.	e= alt.
5.001	9.999	18	2
10.000	13.999	24	2.5
14.000	17.999	30	3
18.000	23.999	38	3.5
24.000	30.000	46	4

D=ø est.	E= alt.	F
30	4	10.5
38	5	15
46	6	19
56	8	25
68	8	25



GO an NO GO ring gauges:

BCH and BAH as well as BOMm et BOMa ring gauges con be mounted, in pairs, on plates, thus forming GO and NOGO gauges





Characteristics:

Ring gauges are mounted in light alloy rings which enables easier handling and, at the same time, provides protection for the ring gauge.

Types	BIMH	BBOM
Diameter (ø) (mm)	from 0.06 to 5mm	from 5 to 29.99mm
Equipment	BIMHm: with 2 tungsten carbide rings (BCH)	BBOMm: with 2 tungsten carbide rings (BOMm)
	BIMHa: with 2 steel rings (BAH)	BBOMa: with 2 steel rings (BOMa)

CARY' SALES PROGRAM

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- Etalon gauges and rings
- Horizontal measuring benches
- Vertical stands
- High precision stands
- Measuring system for bores
- Metrological lengths sensors
- Display cases
- Static systems
- Special applications



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