

# MASTER GAUGES

Master Setting Discs and all master gauges manufactured by Coventry Gauge are made from the finest quality Tool Steel and are subjected to thorough stabilisation processes to ensure absolute stability over an extended time frame.

As well as standard masters, the company manufactures component replicas and masters for all kinds of gauging applications, fully calibrated and with UKAS certification if required.



0002

Calibration Services available on all our products.

## PLATE AND GAP GAUGES

Available for wide-tolerance applications where basic go/no go gauging of a feature is required.

Typical applications:

- outside diameter
- groove depth
- chamfer
- radius
- depth
- groove width

They can be supplied fully UKAS certified and i.d. tagged with engraved plates if required.

## ADJUSTABLE PLAIN CALIPER GAUGES

Designed to provide a wide range of adjustment, these caliper gauges are available in a wide range of sizes from 0 to 150mm (0 to 6 inch) diameter.

A variety of anvil shapes is available including square and round headed, pin type and combinations of these with shallow or deep plate anvils.

Whichever type of anvil design is selected, GO and NOT GO anvils are provided. The anvil faces are precision lapped and are non rotating

### Master setting discs

SIZE		HARDENED STEEL	CARBIDE COATED
IMPERIAL inch UP TO	METRIC mm UP TO		
0.250	6.5	MSD1	MSD36
0.375	9.5	MSD2	MSD37
0.500	12.5	MSD3	MSD38
0.625	16.0	MSD4	MSD39
0.750	19.0	MSD5	MSD40
0.875	22.0	MSD6	MSD41
1.000	25.0	MSD7	MSD42
1.250	32.0	MSD8	MSD43
1.500	38.0	MSD9	MSD44
1.750	44.5	MSD10	MSD45
2.000	51.0	MSD11	MSD46
2.250	57.0	MSD12	MSD47
2.500	64.0	MSD13	MSD48
2.750	70.0	MSD14	MSD49
3.000	75.0	MSD15	MSD50
3.250	83.0	MSD16	MSD51
3.500	89.0	MSD17	MSD52
3.750	94.0	MSD18	MSD53
4.000	102.0	MSD19	MSD54
4.250	108.0	MSD20	MSD55
4.500	114.0	MSD21	MSD56
4.750	121.0	MSD22	MSD57
5.000	127.0	MSD23	MSD58
5.250	133.0	MSD24	MSD59
5.500	139.0	MSD25	MSD60
5.750	146.0	MSD26	MSD61
6.000	152.0	MSD27	MSD62
6.250	159.0	MSD28	MSD63
6.500	165.0	MSD29	MSD64
6.750	172.0	MSD30	MSD65
7.000	178.0	MSD31	MSD66
7.250	184.0	MSD32	MSD67
7.500	190.0	MSD33	MSD68
7.750	197.0	MSD34	MSD69
8.000	203.0	MSD35	MSD70

### Gear measuring cylinders

METRIC	SIZE	CODE
	0.25 up to and including 0.40	GMC1M
	0.40 up to and including 0.75	GMC1M
	0.75 up to and including 6.00	GMC1M
	6.00 up to and including 11.00	GMC1M
	11.00 up to and including 12.50	GMC1M
	12.50 up to and including 16.00	GMC1M
	16.00 up to and including 19.00	GMC1M
Flatted for internal gears	Suffix F	

Manufacturing tolerance  $\pm 0.0005\text{mm}$

INCH	SIZE	CODE
	0.10 up to and including 0.15	GMC1Y
	0.15 up to and including 0.30	GMC1Y
	0.30 up to and including 0.250	GMC1Y
	0.250 up to and including 0.4375	GMC1Y
	0.4375 up to and including 0.500	GMC1Y
	0.500 up to and including 0.625	GMC1Y
	0.625 up to and including 0.750	GMC1Y
Flatted for internal gears	Suffix F	

Manufacturing tolerance  $\pm 0.00002''$

### Thread measuring prisms

TYPE	METRIC mm	WHIT/UN TPI	BA No.	CODE
A	0.5-1.25	40	9-12	0580
B	1.5-2.25	40-28	3-8	0581
C	2.5-4.0	26-14	0-2	0582
D	4.5-6.0	12-4	-	0583

### Plain cylindrical squares

	SIZE		CODE	
	METRIC	IMPERIAL	METRIC	IMPERIAL
76x50mm	3" x 2"	1495	1496	
151x65mm	6" x 2 1/2"	1497	1498	
231x75mm	9" x 3"	6920	6924	
306x80mm	12" x 3 1/4"	6921	6925	
461x95mm	18" x 3 3/4"	6922	6926	
611x100mm	24" x 4"	6923	6927	

during adjustment. A setting service is also available.

Caliper gauges are suitable for testing size of features with relatively wide tolerances.

Minimum product tolerance recommended for testing by calipers is 0.050mm.

