

PLAIN CYLINDRICAL PLUG GAUGES

All plain cylindrical plug gauges are made from the finest steel or tungsten carbide, ground and precision lapped to ensure the highest quality and length of life in use. They can be produced to any specification up to 250mm diameter.

A wide range is available from stock and short lead times in Reversible, Taperlock and Trilock designs.

For certain applications ceramic is available, where thermal stability as well as wear resistance is of importance.

The tables identify the size availability for both steel and tungsten carbide in standard designs and standard gauge blank sizes.

Go/No Go plain plug gauges are manufactured to **BS 969:1982** tolerances unless otherwise requested.

Please consult us if you have any doubt as to the correct specification.

Standard gauge blank nominal lengths are as follows, in accordance with BS 1044:-

	SIZE		GO LENGTH	NO GO LENGTH
	FROM	TO		
Reversible	0.25	4.5	38	38
	4.5	19.1	50	50
Taper lock	6.1	9.3	19	8
	9.3	13.0	25	10
	13.0	21.0	32	13
	21.0	28.8	35	16
	28.8	63.8	38	19
Tri lock	19.1	24.1	32	19
	24.1	28.8	35	19
	28.8	38.4	38	19
	38.4	51.1	48	22
	51.1	63.8	51	22
	63.8	76.5	54	25
	76.5	203.4	64	25

We also specialise in non-standard designs such as extra lengths, multiple diameters, depth steps and relieved no-go ends and have in-house facilities for hard-chrome plating to prolong gauge life.

All gauges can be supplied with UKAS certificates.

Plain plug gauges – Carbide

REVERSIBLE DESIGN – SOLID CARBIDE	SIZE		CARBIDE GO AND NOT GO	CARBIDE GO STEEL N/GO	CARBIDE GO ONLY	CARBIDE NOT GO
	mm	inch				
	up to 2.032	0.030-0.080				
2.033-6.350	0.081-0.250	HO42C	HO42S	HO42M	HO42N	

REVERSIBLE DESIGN – SPRAYED CARBIDE	SIZE		CARBIDE GO AND NOT GO	CARBIDE GO STEEL N/GO	CARBIDE GO ONLY	CARBIDE NOT GO				
	mm	inch								
	6.35-9.00	0.251-0.375					HO43C	HO43S	HO43G	HO43N
	9.00-12.00	0.376-0.500					HO44C	HO44S	HO44M	HO44N
	12.00-15.50	0.501-0.625					HO45C	HO45S	HO45G	HO45N
15.50-19.00	0.626-0.750	HO46C	HO46S	HO46M	HO46N					

TAPER LOCK DESIGN – SPRAYED CARBIDE	SIZE		CARBIDE GO AND NOT GO	CARBIDE GO STEEL N/GO	CARBIDE GO ONLY	CARBIDE NOT GO				
	mm	inch								
	4.75-6.00	0.187-0.250					HO47C	HO47S	HO47G	HO47N
	6.10-9.50	0.251-0.375					HO48C	HO48S	HO48G	HO48N
	9.60-12.5	0.375-0.500					HO49C	HO49S	HO49G	HO49N
	12.60-16.00	0.501-0.625					HO410C	HO410S	HO410G	HO410N
	16.10-19.00	0.626-0.750					HO411C	HO411S	HO411G	HO411N
	19.10-22.50	0.751-0.875					HO412C	HO412S	HO412G	HO412N
	22.60-25.00	0.876-1.000					HO413C	HO413S	HO413G	HO413N
	25.01-28.00	1.001-1.125					HO414C	HO414S	HO414G	HO414N
	28.01-31.00	1.126-1.250					HO415C	HO415S	HO415G	HO415N
	31.01-34.00	1.251-1.375					HO416C	HO416S	HO416G	HO416N
	34.01-37.00	1.376-1.500					HO417C	HO417S	HO417G	HO417N
	37.01-40.00	1.501-1.625					HO418C	HO418S	HO418G	HO418N
	40.01-43.00	1.626-1.750					HO419C	HO419S	HO419G	HO419N
	43.01-46.00	1.751-1.875					HO420C	HO420S	HO420G	HO420N
	46.01-49.00	1.876-2.000					HO421C	HO421S	HO421G	HO421N
	49.01-53.00	2.001-2.125					HO422C	HO422S	HO422G	HO422N
	53.01-55.00	2.126-2.250					HO423C	HO423S	HO423G	HO423N
	55.01-58.00	2.251-2.371					HO424C	HO424S	HO424G	HO424N

SPECIAL PIN SETS

As well as standard pin sets as described on pages 20 and 21, the company manufactures special pin sets in steel and tungsten carbide, supplied as boxed sets and fully calibrated with UKAS certification.

