

BOXED PRECISION PIN SETS



CGPS-U SERIES

This series is supplied as a PLUS tolerance or MINUS tolerance set, as follows:-

PLUS Set –

nominal size plus 0 to plus 2 µm

MINUS Set –

nominal size minus 0 to minus 2µm

All other tolerances and specifications as CGPS-M Series.

Pins are hardened to Rc 58 to 62 and finish lapped to $R_a=0.03\mu\text{m}$. Each gauge is electro-etched with its size for ease of identification except pins below $\varnothing 1.55\text{mm}$, which are always supplied in specially marked plastic containers.

Popular sets are as shown in the tables.

Special set builds and a full range of inch series are also available on short lead-times.

Each high precision pin set is supplied complete with a polished wooden case.



CGPS-M SERIES

This series is supplied as a PLUS tolerance or MINUS tolerance set, as follows:-

PLUS Set –

nominal size plus 2µm to plus 5µm except 07M (1µm to 5µm)

MINUS Set –

nominal size minus 2µm to minus 5µm except 07M (1µm to 5µm)

Roundness Geometry – better than 1.5µm

Pin Dia	Length
0.10 to 0.15mm	20mm
0.16 to 0.29mm	30mm
0.30 to 1.525mm	40mm
Over 1.525mm	50mm

Pins above 1.525mm are free-standing in the box.

CGPS - M SERIES

SET No.	SIZE RANGE	STEPS	No. PINS
CGPS 01M	0.100-0.290mm	0.01mm	20
CGPS 02M	0.300-1.525mm	0.025mm	50
CGPS 03M	1.550-6.275mm	0.025mm	190
CGPS 04M	6.300-9.775mm	0.025mm	140
CGPS 05M	9.800-12.525mm	0.025mm	110
CGPS 06M	12.550-12.975mm	0.025mm	18
CGPS 07M	13.000-19.000mm	0.1mm	61

U and M sets are supplied with a unilateral tolerance applied either plus or minus as required.

CGPS - U SERIES

SET No.	SIZE RANGE (0.01mm STEPS)	No. OF PINS
CGPS 01U	0.20-0.50mm	31
CGPS 02U	0.50-1.00mm	51
CGPS 03U	1.00-1.50mm	51
CGPS 04U	1.50-2.00mm	51
CGPS 05U	2.00-2.50mm	51
CGPS 06U	2.50-3.00mm	51
CGPS 07U	3.00-3.50mm	51
CGPS 08U	3.50-4.00mm	51
CGPS 09U	4.00-4.50mm	51
CGPS 10U	4.50-5.00mm	51
CGPS 11U	5.00-5.50mm	51
CGPS 12U	5.50-6.00mm	51
CGPS 13U	6.00-6.50mm	51
CGPS 14U	6.50-7.00mm	51
CGPS 15U	7.00-7.50mm	51
CGPS 16U	7.50-8.00mm	51
CGPS 17U	8.00-8.50mm	51
CGPS 18U	8.50-9.00mm	51
CGPS 19U	9.00-9.50mm	51
CGPS 20U	9.50-10.00mm	51
CGPS 21U	10.00-10.50mm	51
CGPS 22U	10.50-11.00mm	51
CGPS 23U	11.00-11.50mm	51
CGPS 24U	11.50-12.00mm	51
CGPS 25U	12.00-12.50mm	51
CGPS 26U	12.50-13.00mm	51

UKAS Certificates are available for all set builds.