
SPECIALTY GRAPHITES



Specialty Graphite

UKCG produce specialty graphite products using some of the world’s finest raw materials and production techniques. This coupled with machining, testing, packing and distribution from our dedicated UK and global facilities, ensures our product and service remains consistent, cost effective and reliable.

UKCG specialty graphite products are produced according to exacting standards authorised and monitored by our personnel. UKCG supply some of the world’s leading graphite component manufacturers with a high quality range of blocks / rounds and shapes.

UKCG can supply bulk graphite products to carbon/graphite producers and fully machined components for end application customers.

EXTRUDED GRAPHITE

UKEG Series graphite offers a product with good electrical, mechanical and thermal properties, typically utilised in the following applications;

- Melting / Sintering Moulds (Hot Metal)
- Heaters
- Heat Shields
- Vacuum

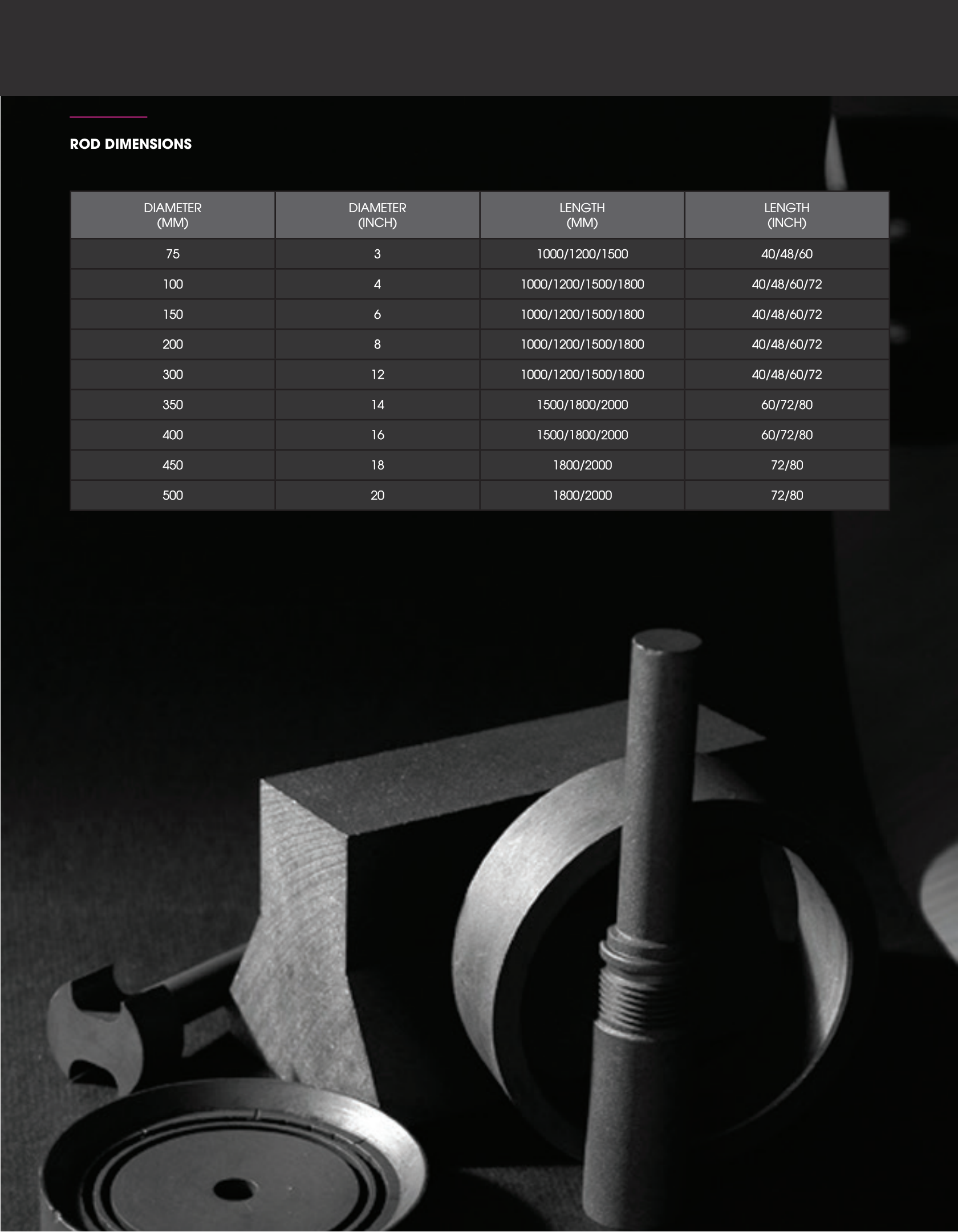
PHYSICAL SPECIFICATIONS

GRADE	GRAIN SIZE	BULK DENSITY (MIN)	RESISTIVITY (MAX)	FLEXURAL STRENGTH (MIN)	COMPRESSIVE STRENGTH (MIN)	ASH (MAX)
	MM	g/cm3	μΩ.m	MPa	MPa	%
UKEG1	0.8	1.78	7	19	47	0.3
UKEG2	0.8	1.78	8	18	45	0.3
UKEG3	2.0	1.72	8	17	44	0.3
UKEG4	0.8	1.60	8	12	32	0.3
UKEG5	2.0	1.60	8.5	11	30	0.3

PLEASE NOTE: OTHER PRODUCTS CAN BE PRODUCED TO ORDER. PLEASE CONTACT US FOR FURTHER INFO.

ROD DIMENSIONS

DIAMETER (MM)	DIAMETER (INCH)	LENGTH (MM)	LENGTH (INCH)
75	3	1000/1200/1500	40/48/60
100	4	1000/1200/1500/1800	40/48/60/72
150	6	1000/1200/1500/1800	40/48/60/72
200	8	1000/1200/1500/1800	40/48/60/72
300	12	1000/1200/1500/1800	40/48/60/72
350	14	1500/1800/2000	60/72/80
400	16	1500/1800/2000	60/72/80
450	18	1800/2000	72/80
500	20	1800/2000	72/80



VIBRATED GRAPHITE

UKVG Series graphite offers a product with excellent properties typically utilised in the following applications;

• Chemical • Electrical • Metallurgical

ROUNDS

PHYSICAL SPECIFICATIONS

GRADE	GRAIN SIZE	BULK DENSITY (MIN)	RESISTIVITY (MAX)	FLEXURAL STRENGTH (MIN)	COMPRESSIVE STRENGTH (MIN)	CTE (MAX)	ASH (MAX)
	MM	g/cm3	μΩ.m	MPa	MPa	10-6/°C	%
UKVG1	0.8	1.72	8.5	13.5	30	2.5	0.3
UKVG2	0.8	2.0	8.5	13	28	2.5	0.3
UKVG3	2.0	2.0	9	21	21	2.5	0.3
UKVG4	0.8	4	10	20	20	2.5	0.3

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ROUND DIMENSIONS

DIAMETER (MM)	DIAMETER (INCH)	LENGTH (MM)	LENGTH (INCH)
560	22	420	16.5
650	26	400	16
660	26	630	25
720	28	630	25
765	30	525	20
820	32	630	24
850	33.5	400	16
1105	43.5	584	23
1100	43.5	525	22
1120	44	400	16
1120	44	584	23
1232	48.5	584	23
1245	49	380	15
1270	50	380	15



BLOCKS

PHYSICAL SPECIFICATIONS

GRADE	GRAIN SIZE	BULK DENSITY (MIN)	RESISTIVITY (MAX)	FLEXURAL STRENGTH (MIN)	COMPRESSIVE STRENGTH (MIN)	CTE (MAX)	ASH (MAX)
	MM	g/cm3	μΩ.m	MPa	MPa	10-6/°C	%
UKVG1	0.8	1.72	8.5	13.5	30	2.5	0.3
UKVG2	2.0	1.71	8.5	13	28	2.5	0.3
UKVG3	2.0	1.60	9	7.9	21	2.3	0.3
UKVG4	4	1.58	10	7.5	20	2.3	0.3

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BLOCK DIMENSIONS

WIDTH (MM)	WIDTH (INCH)	HEIGHT (MM)	HEIGHT (INCH)	LENGTH (MM)	LENGTH (INCH)
400	16	400	16	1700 – 2000	68 – 80
500	20	500	20	1800 – 2000	72 – 80
550	22	550	22	1800 – 2000	72 – 80



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