



*Billet Sleeves and Rod Dies*



## Optimum Grade Selection Characteristics

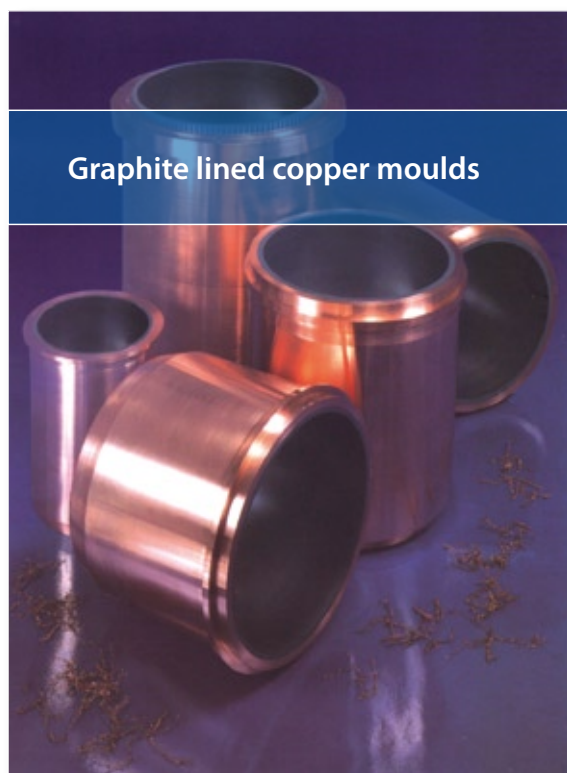
- Comprehensive material range
- Grades for all non-ferrous applications
- Superior surface finishing

PROPERTIES	UNITS	M-303	MSG-30	MSG-41	MSG-52	MSG-79
BULK DENSITY	g/cm <sup>3</sup>	1,82	1,85	1,80	1,82	1,80
FLEXURAL STRENGTH	MPa	58	50	50	54	54
COMPRESSIVE STRENGTH	MPa	117	98	95	89	103
HARDNESS	Shore	65	58	57	55	64
CTE (ROOM TEMP. to 100°C/212°F)	10 <sup>-6</sup> /°C	5,2	4,0	5,0	4,0	4,8
THERMAL CONDUCTIVITY	W/m K	110	116	116	140	128
ASH CONTENT	ppm	500	300	500	400	500
MAX.GRAIN SIZE	mm	0,01	0,1	0,02	0,01	0,05
POROSITY	%	9	13	8	14	8



Round Dies

- Proven material grades
- Superior bore finish
- Dedicated high speed machining
- Competitively priced



Graphite lined copper moulds

Morgan Specialty Graphite offers a complete copper mould machining and liner fitting service for new and refurbished moulds

**MorganAM&T™**

MKGS MORGAN KARBON GRAFİT SANAYİ A.Ş.  
 B2 Blok No. 156-158-160-162 İkitelli / İSTANBUL  
 Tel: +90 212 671 32 87 - Fax: +90 212 549 48 72  
 morgankgs@morganplc.com - www.morganamt.com  
 İkitelli V.D. 548 004 7027