

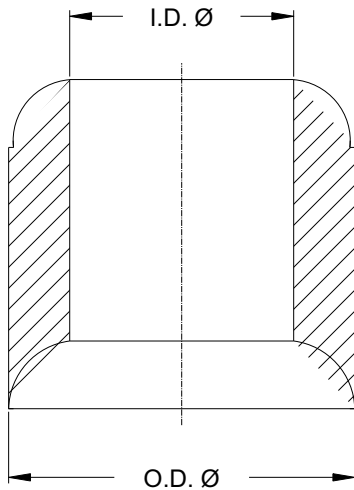
TECHNICAL CERAMICS
AUSTRALIA

INDEX

1	Steatite Interlocking Beads
2	Steatite Band heater (Regular)
3	Steatite Band Heater (Small)
4	Steatite Band Heater (Large)
5	Steatite Band Heater (Extra Large)
6	Steatite Cartridge Heater
7	Steatite Capacitor Bush Gromet
8	Bobbin
9	Former (Resistor)
10	Round Barrel
11	Steatite Ceramic Bush Male & Female
12	Disc
13	M.H.B., Abrasion Resistance Tiles, Lamp Holders, Bases & Tower Packing
14	Ceramic Plate (M.C.B)
15	Steatite Endsealing Bush
16	Custom Made Products
17	L.T. Insulators
18	Wall, Floor & Roof Tiles

STEATITE INTERLOCKING BEADS

Material: C220 | Uncommon Dimensions



CODE NO.		DIAMETER IN M.M.		QUANTITY (APR.)		TO TAKE	
		I.D. Ø	O.D. Ø	PER FOOT	PER KG.	WIRE GAUGE	WIRE SIZE IN M.M.
BIDL30001	SCS/1	1.4	3.3	90	18000	18	1.22
BIDL30002	SCS/2	1.8	4.2	70	9500	16	1.63
BIDL30003	SCS/3	2.3	5.3	60	5000	14	2.03
BIDL30004	SCS/4	3.2	7.0	50	2500	12	2.64
BIDL30005	SCS/5	3.2	8.5	40	1200	11	2.95
BIDL30006	SCS/6	4.0	10.0	35	800	9	3.66
BIDL30007	SCS/7	4.5	11.2	30	500	8	4.06
BIDL30008	SCS/8	5.5	12.7	25	400	6	4.88
BIDL30009	SCS/9	6.0	13.0	20	350	4	5.89
BIDL30010	SCS/10	4.5	7.5	50	2500	9	3.66
BIDL30011	SCS/11	5.5	8.6	40	1500	6	4.88
BIDL30012	SCS/ $\frac{12}{13}$	6.6	10.2	40	1200	3	6.04

Note:

Dimensions for height of Beads

Code No. BIDL30001 to BIDL30009 Height of Beads is O.D. +0.5

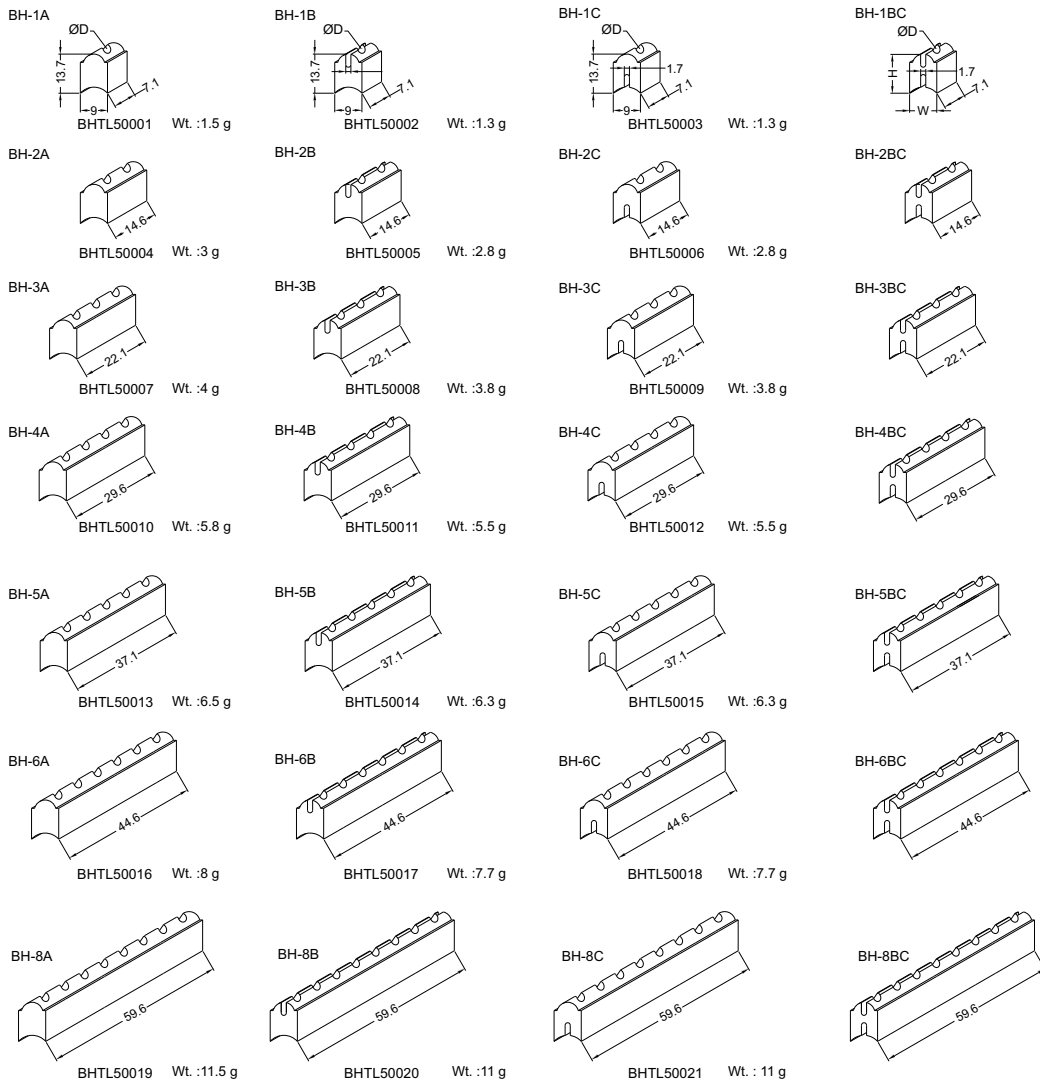
Code No. BIDL30010 to BIDL30012 Height of Beads is O.D. - 0.5

STEATITE CERAMIC BAND HEATER (REGULAR)

Material: C221 | Uncommon Dimensions



All dimensions are in M.M.
Tolerances for width $\pm 0.3\text{mm}$,
or 2% whichever is greater
Tolerances for length $\pm 0.50\text{mm}$ for all
tolerances for holes and slots $\pm 0.15\text{mm}$
Bow allowances 0.15mm or 0.5% of the length



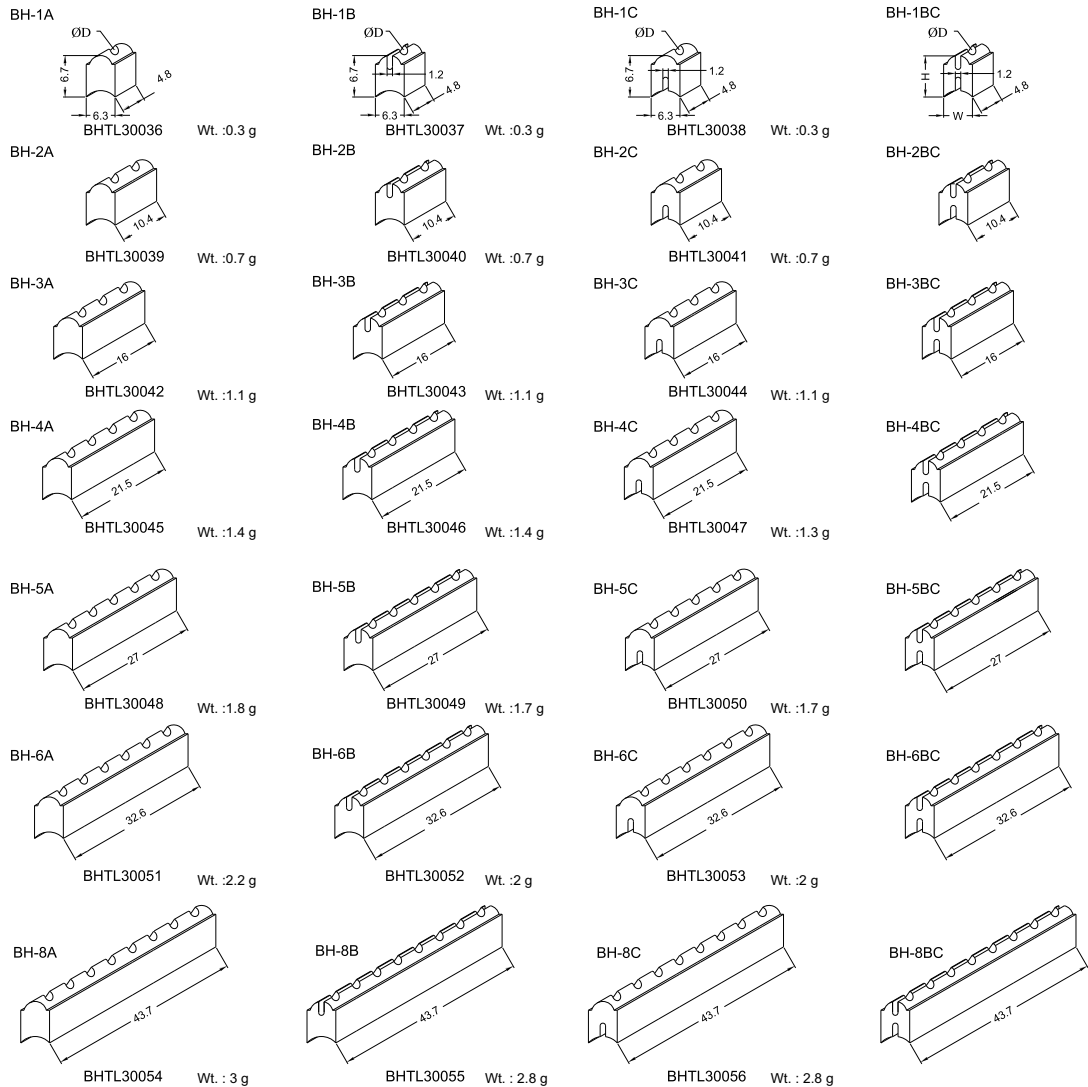
Dimensions	Size
H	13.7
W	9.0
ØD	4.75
S	1.7

STEATITE CERAMIC BAND HEATER (SMALL)

Material: C220 | Uncommon Dimensions



All dimensions are in M.M.
Tolerances for width $\pm 0.3\text{mm}$ and height $\pm 0.2\text{mm}$,
or 2% whichever is greater
Tolerances for length $\pm 0.50\text{mm}$ for all
tolerances for holes and slots $\pm 0.15\text{mm}$
Bow allowances 0.15mm or 0.5% of the length



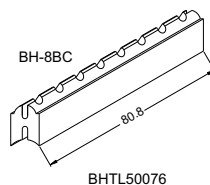
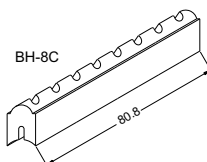
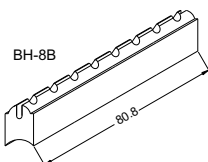
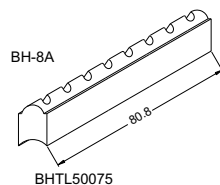
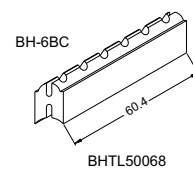
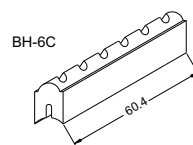
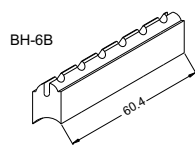
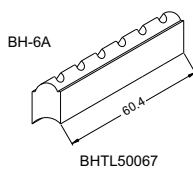
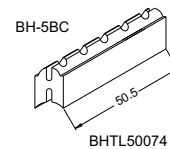
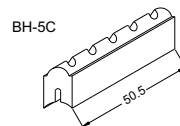
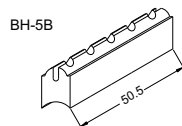
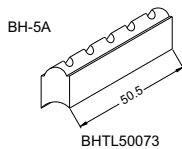
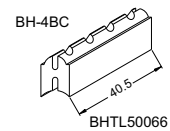
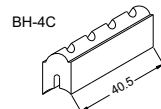
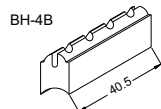
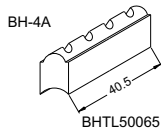
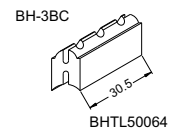
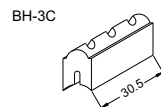
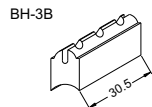
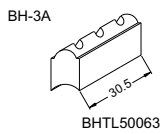
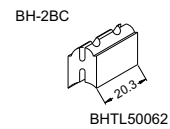
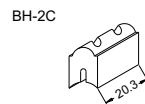
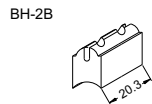
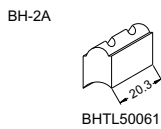
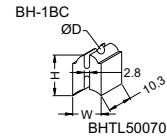
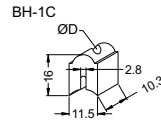
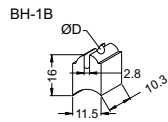
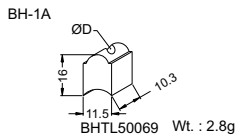
Dimensions	Size
H	6.7
W	6.3
ØD	2.75
S	1.2

STEATITE CERAMIC BAND HEATER (LARGE)

Material: C221 | Uncommon Dimensions



All dimensions are in M.M.
Tolerances for width $\pm 0.3\text{mm}$,
or 2% whichever is greater
Tolerances for length $\pm 0.50\text{mm}$ for all
tolerances for holes and slots $\pm 0.15\text{mm}$
Bow allowances 0.15mm or 0.5% of the length



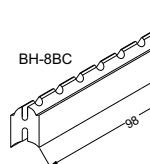
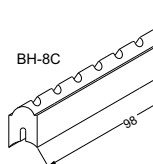
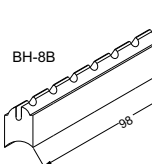
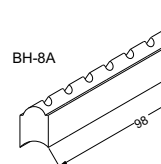
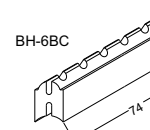
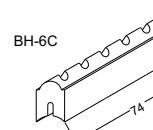
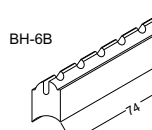
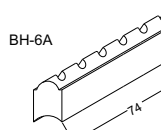
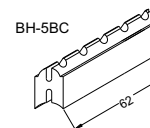
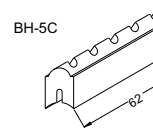
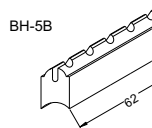
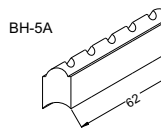
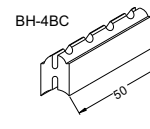
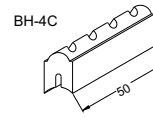
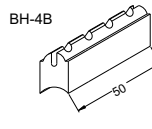
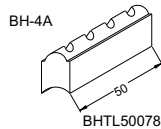
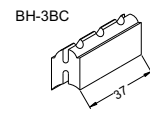
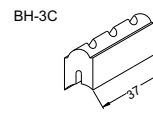
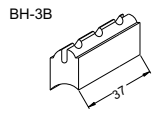
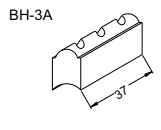
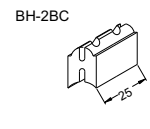
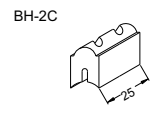
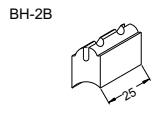
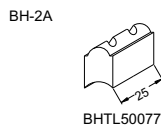
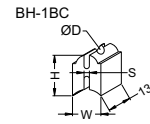
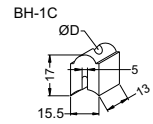
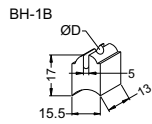
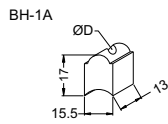
Dimensions	Size
H	16.00
W	11.50
ØD	8.10
S	2.8

STEATITE CERAMIC BAND HEATER (EXTRA LARGE)

Material: C221 | Uncommon Dimensions



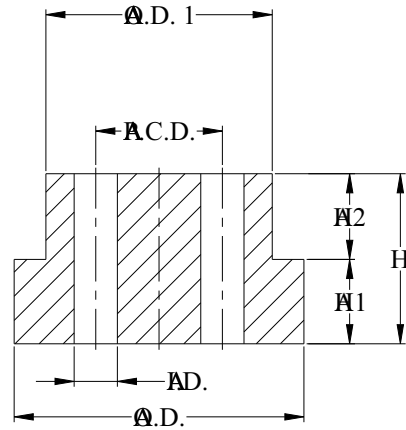
All dimensions are in m.m.
Tolerances for width $\pm 0.3\text{mm}$,
or 2% whichever is greater
Tolerances for length $\pm 0.50\text{mm}$ for all
tolerances for holes and slots $\pm 0.15\text{mm}$
Bow allowances 0.15mm or 0.5% of the length



Dimensions	Size
H	17.00
W	15.50
ØD	8.00
S	5.00

STEATITE CARTRIDGE HEATERS

Material: C221 | Uncommon Dimensions



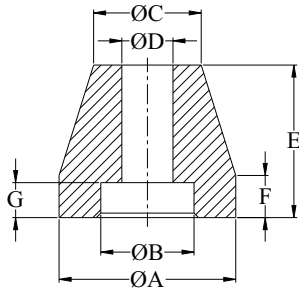
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CHTL50002	10	10.00	2.50	6.00	3.00	3.00	8.00	3.70
CHTL50003	12	13.00	3.00	7.00	4.00	3.00	11.00	5.60
CHTL50004	8B	8.00	1.60	8.00	4.00	4.00	6.50	2.80
CHTL50005	10B	10.00	2.50	12.00	6.00	6.00	8.00	3.70
CHTL50006	12B	13.00	3.00	12.00	6.00	6.00	11.00	5.60
CHTL50007	14	14.00	3.60	12.00	6.00	6.00	12.00	5.00
CHTL50008	16	16.00	4.20	10.00	5.00	5.00	14.50	7.00
CHTL50016	P9	10.00	2.50	9.00	5.00	4.00	8.00	3.50
CHTL50017	P8	12.50	2.50	9.00	5.00	4.00	10.40	4.50
CHTL50029	P13	17.00	3.50	12.00	5.00	7.00	14.00	8.00
CHTL50030	P101	19.90	4.20	12.00	5.00	7.00	17.90	9.80
CHTL50048	P28	25.80	4.30	12.00	5.00	7.00	22.50	11.50

Note:

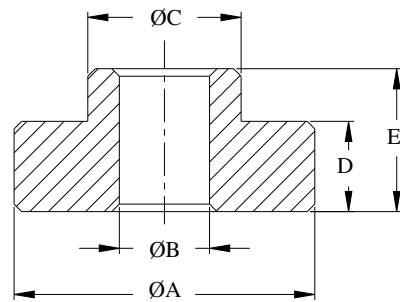
- 1) All dimensions are in M.M.
- 2) Dimensional tolerance: Up to 5mm: ± 0.15
From 5 to 10mm: ± 0.20
Over 10mm: $\pm 2\%$
- * Detailed drawing available on request

STEATITE CAPACITOR BUSH & GROMMET

Material: C220 | Uncommon Dimensions

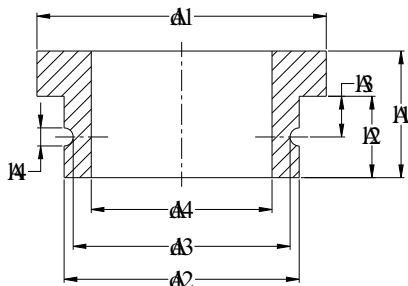


CAPACITOR BUSH TOP								
CODE NO	A	B	C	D	E	F	G	WEIGHT IN GRM
CAPL50002	19.7	10.4	12.0	5.7	17.0	4.7	3.9	7.7
CAPL50004	28.0	16.4	15.8	6.5	18.5	3.0	4.0	15.7
CAPL50006	31.3	21.2	13.8	8.2	28.7	8.5	4.8	28.6
CAPL50008	39.8	23.5	18.0	10.5	27.0	2.7	8.0	49.5



CAPACITOR BUSH BOTTOM

CAPACITOR BUSH BOTTOM						
CODE NO	A	B	C	D	E	WEIGHT IN GRM
CAPL50001	20.0	6.0	10.2	6.0	9.5	5
CAPL50003	27.0	6.7	15.1	7.5	11.0	13
CAPL50005	32.2	8.3	20.0	8.5	13.5	20.5
CAPL50007	38.7	10.5	19.2	8.3	14.8	29

























CODE NO.	d1	d2	d3	d4	l1	l2	l3	l4	WEIGHT IN GRM
BUSL51001	15.00	12.00	10.00	7.00	8.00	5.50	3.00	2.00	2
BUSL51042	23.00	15.60	14.50	9.50	12.00	8.00	3.00	2.00	6
BUSL51043	25.00	18.00	16.50	13.00	12.00	8.00	2.25	2.00	6
BUSL51070	32.00	26.00	24.00	20.00	14.00	9.00	4.50	2.00	11
BUSL51137	44.00	35.00	32.00	28.00	8.50	6.00	3.00	1.00	11.6



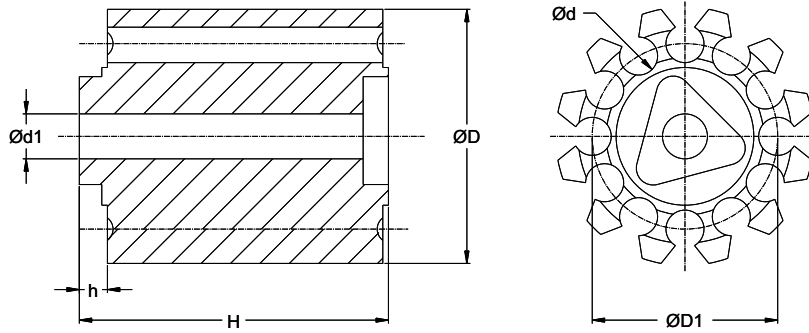
BOBBIN



ITEM	BOBBIN	TOP	BOTTOM	ITEM	ØD	ØD1	Ød	Ød1	H	h	Weight in gm.
Ø25 MM BOBBIN 6 HOLES				BOBBIN	25.60	16.50	5.50	4.50	53.00	3.00	31
				TOP	25.00	15.00	4.00	4.00	14.50	2.50	8.3
				BOTTOM	25.00	---	---	4.00	10.00	---	8.6
Ø31 MM BOBBIN 8 HOLES				BOBBIN	31.00	20.40	5.00	5.15	51.00	1.10	46
				TOP	29.20	18.60	4.65	4.50	22.60	5.00	31
				BOTTOM	31.00	20.40	5.00	5.50	14.20	---	11.2
Ø36 MM BOBBIN 8 HOLES				BOBBIN	36.00	25.00	6.50	6.80	58.00	3.00	65
				TOP	34.00	25.00	6.50	5.50	27.00	6.00	58
				BOTTOM	34.00	25.00	---	6.50	15.00	---	17.6
Ø38.5 MM BOBBIN 12 HOLES				BOBBIN	38.50	28.00	4.20	5.80	53.50	2.50	---
				TOP	---	---	---	---	---	---	---
				BOTTOM	---	---	---	---	---	---	---
Ø44 MM BOBBIN 12 HOLES				BOBBIN	44.00	35.30	6.30	7.50	55.00	4.00	93.5
				TOP	---	---	---	---	---	---	---
				BOTTOM	44.00	35.30	3.00	7.50	12.00	---	26.8
Ø45 MM BOBBIN 12 HOLES				BOBBIN	45.00	34.00	6.00	4.00	55.00	---	112
				TOP	---	---	---	---	---	---	---
				BOTTOM	---	---	---	---	---	---	---
Ø46 MM BOBBIN 12 HOLES				BOBBIN	46.00	33.00	6.00	8.00	55.00	4.00	94
				TOP	46.00	35.00	4.50	7.00	26.50	6.50	93.5
				BOTTOM	46.00	35.00	3.50	7.00	14.00	---	26.6
Ø47 MM BOBBIN 12 HOLES				BOBBIN	46.50	34.60	6.20	12.20	52.30	3.60	89.5
				TOP	46.50	31.00	3.50	4.80	27.00	8.60	102
				BOTTOM	---	---	---	---	---	---	---
Ø52 MM BOBBIN 12 HOLES				BOBBIN	50.50	38.00	7.00	13.00	53.50	3.50	107
				TOP	50.00	36.00	4.00	5.00	27.30	9.30	---
				BOTTOM	---	---	---	---	---	---	---
Ø57 MM BOBBIN 12 HOLES				BOBBIN	57.00	44.20	7.30	7.80	51.50	2.70	127
				TOP	---	---	---	---	---	---	---
				BOTTOM	57.00	44.00	4.00	6.20	12.50	---	43.5

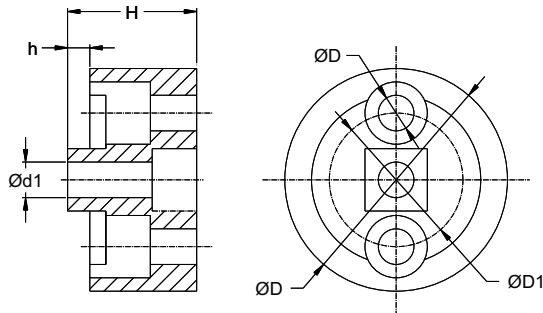
Any other shape can be made to order

BOBBIN

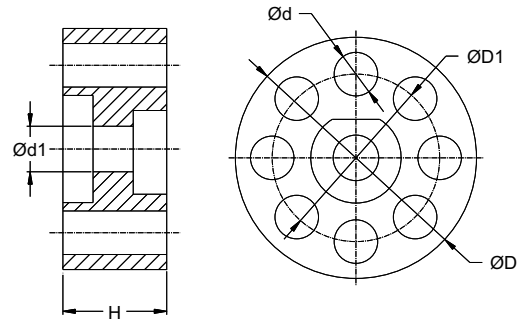


BOBBIN

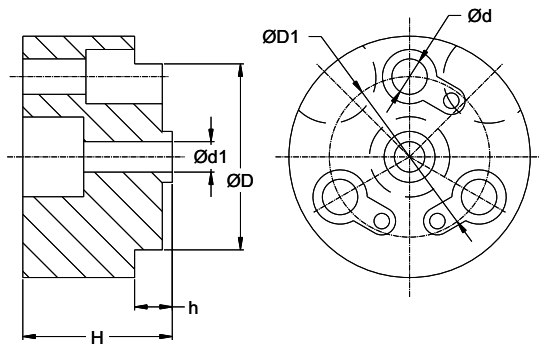
THIS DRAWINGS ARE ONLY MODEL. PLEASE REQUEST FOR DETAIL DRAWINGS.



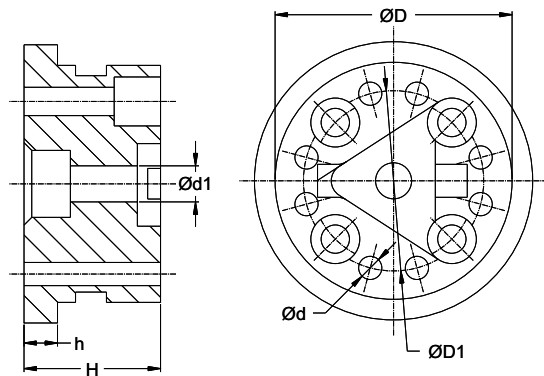
BOBIN TOP-TYPE:A



BOBIN BOTTOM



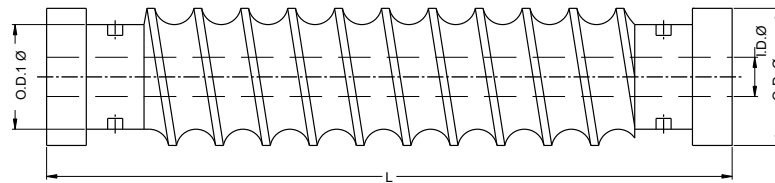
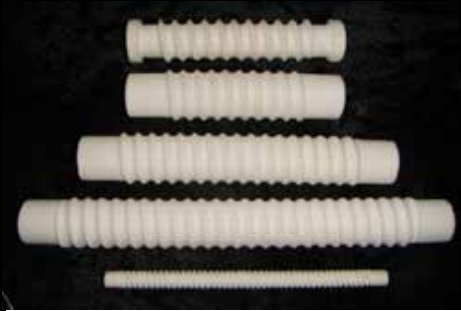
BOBIN TOP - TYPE : B



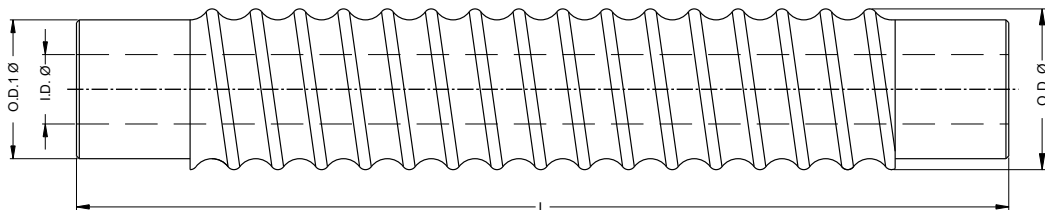
BOBIN TOP - TYPE:C

FORMERS (RESISTANCE)

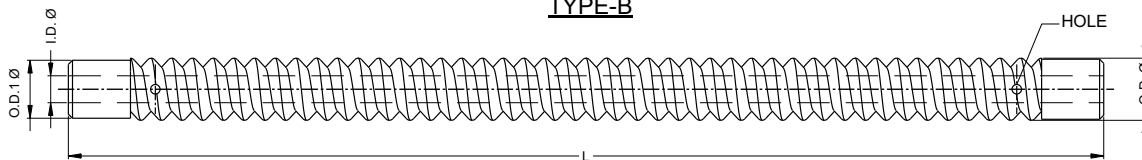
Material: C510



TYPE-A



TYPE-B



TYPE-C

TYPE	L	O.D. Ø	O.D.1 Ø	I.D. Ø	WEIGHT IN GRM
A	190.00	38.00	28.00	10.00	300
B	186.00	44.00	38.00	9.50	422
B	271.00	44.00	38.00	22.00	450
B	365.00	44.00	38.00	22.00	615
C	250.00	15.00	14.50	6.50	54

Specification:

Material: Cordio-Sillimanite (Refractory) C-510. Colour off white.

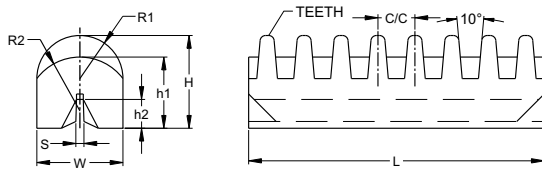
Note:

- 1) All dimensions are in M.M.
- 2) Dimensional tolerance: Up to 5mm: ± 0.2
From 5 to 10mm: ± 0.3
Over 10mm: $\pm 2\%$

* Detailed drawing available on request

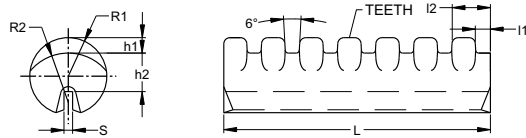
FORMER (RESISTANCE)

Material: C410



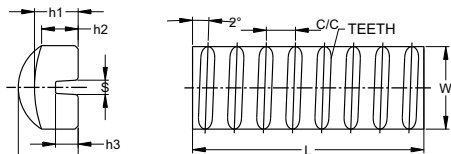
CERAMIC FORMERS

CODE	L	W	H	h1	h2	S	R1	R2	C/C	TEETH	WEIGHT IN GRM.
GENCP0172	86.50	25.40	27.36	21.00	8.50	2.39	12.70	15.87	6.20	14 NOS.	105
GENCP0173	86.50	25.40	27.36	21.00	8.50	2.39	12.70	15.87	10.90	08 NOS.	110



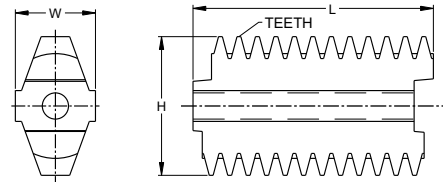
GLAZE FORMERS

CODE	L	I1	I2	h1	h2	S	R1	R2	TEETH	WEIGHT IN GRM.
GENCP1262	86.50	2.50	6.17	5.00	12.50	2.80	12.50	16.00	14 NOS.	92
GENCP1263	86.50	5.00	12.36	5.00	12.50	2.80	12.50	16.00	07 NOS.	89.5
GENCP1271	86.50	2.80	7.27	5.00	12.50	2.80	12.50	16.00	12 NOS.	91

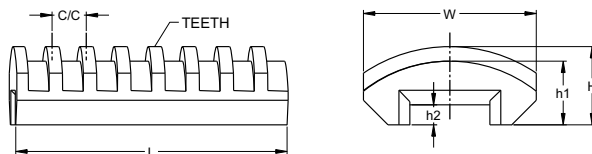


GLAZE FORMERS

CODE	L	W	H	h1	h2	h3	S	C/C	TEETH	WEIGHT IN GRM.
GENCP1267	71.50	25.50	18.50	13.50	11.30	7.00	4.40	12.00	06 NOS.	55
GENCP1268	71.50	25.50	18.50	13.50	11.30	7.00	4.40	9.00	08 NOS.	55.5
GENCP1269	71.50	25.50	18.50	13.50	11.30	7.00	4.40	6.60	11 NOS.	54



ITEM	CODE	L	W	H	TEETH	WEIGHT IN GRM.
DOUBLE FORMER	GENCP0282	78.00	26.00	45.00	12 NOS.	101.6



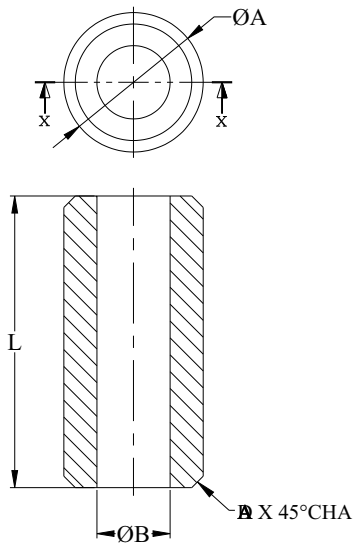
ITEM	CODE	L	W	H	h1	h2	C/C	TEETH	WEIGHT IN GRM.
RECTANGLE FORMER	GENCP0344	74.50	47.50	21.50	17.50	5.50	9.40	8 NOS.	110
RECTANGLE FORMER	GENCP0345	74.50	47.50	21.50	17.50	5.50	7.45	10 NOS.	111
RECTANGLE FORMER	GENCP0346	74.50	47.50	21.50	17.50	5.50	6.80	11 NOS.	113.5



Any other shape can be made to order

ROUND BARRELS

Material: C221 | Zircor or Alumina 70%



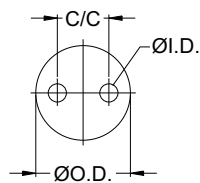
ROUND BARREL						
CODE NO.	ITEM	ØA ±0.05	ØB ±0.50	L ±0.50	D x 45° CHA.	WEIGHT IN GRM.
BRLCP0040	15 AMP	12.17	6.40	28.50	1.00	5.4
BRLCP0041	30 AMP	20.04	10.70	48.00	1.00	25.3
BRLCP0096	60 AMP	24.00	14.00	49.00	1.00	34.2
BRLCP0042	100 AMP	22.00	12.30	48.00	1.00	29
BRLCP0043	200 AMP	30.04	17.40	54.00	2.00	60
BRLCP0134	T1	13.40	8.00	49.70	1.50	10.5
BRLCP0135	T2	21.10	14.00	55.80	1.50	27
BRLCP0032	14 x 51	12.70	6.50	48.00	1.00	11
BRLCP0092	22 x 58	20.40	12.80	53.50	2.00	24.7
BRLL50159	10 x 38	9.60	5.00	37.00	1.00	5
BRLMI0189	14 x 51 SPECIAL	12.70	8.50	48.70	1.50	8.5

Note:

- 1) All dimensions are in M.M.
 - 2) Bursting strength: 60KG/CM²
 - 3) Breaking strength: 100KG/CM²
- Detailed drawing available on request

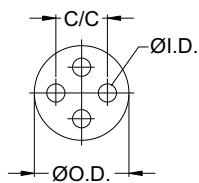
CORDIERITE TUBE (MULTI HOLE TUBE)

Material: C511



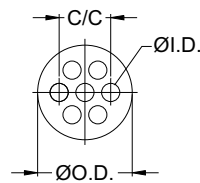
C-2

C-2	
O.D.	I.D.
6.0	1.5
6.5	2.0
8.0	2.5
8.0	2.6
9.5	3.0
11.5	3.5
12.0	3.0
12.0	4.0
13.0	3.0
14.0	4.0
15.0	4.0
16.0	4.0
18.0	4.5



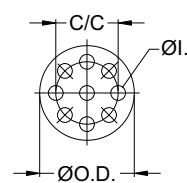
C-4

C-4	
O.D.	I.D.
6.0	1.5
7.0	1.9
8.0	2.0
8.0	2.4
8.5	1.5
8.5	2.0
9.0	2.0
9.5	2.7
10.0	3.0
11.0	2.2
11.5	2.2
12.0	3.0
12.0	3.3
12.0	3.5
13.0	4.0
14.0	3.5
14.0	4.0
15.0	3.5
17.0	3.0
17.0	5.0
19.0	3.5



C-7

C-7	
O.D.	I.D.
8.0	1.5
8.0	1.6
9.0	1.8
10.0	2.2
11.0	2.2
11.0	2.4
11.5	2.2
12.0	2.7
13.0	3.0
14.0	3.0
14.0	3.3
14.5	2.0
15.0	3.5
16.0	3.5
17.0	3.5
17.0	4.0
17.0	3.8
17.5	4.2
18.0	3.3
19.0	3.5
19.5	4.5
20.0	4.5
21.5	5.0
22.0	5.0
22.6	5.0
23.0	5.0
25.0	5.3



C-9

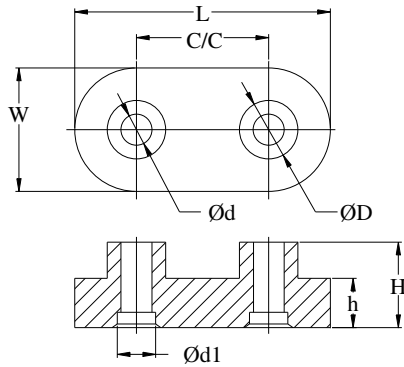
C-9	
O.D.	I.D.
17.0	3.0
18.0	3.0
18.5	3.3
18.5	3.5
23.0	4.0
24.0	4.0
25.5	5.0
26.5	5.3
28.5	6.0
33.7	5.8
36.0	6.5

Note:

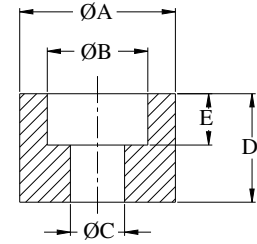
- 1) All dimensions are in M.M.
- 2) Dimensional tolerance:
 \varnothing O.D. : +0.00/-0.50
 \varnothing I.D. : +0.1/-0.20
 Length: +2%
- 3) Maximum length available
 up to 5.9mm :50mm
 From 6 to 11.9 :150mm
 From 12 to 20mm and
 above :300mm

IRON CONNECTORS

Material: C220 / C221












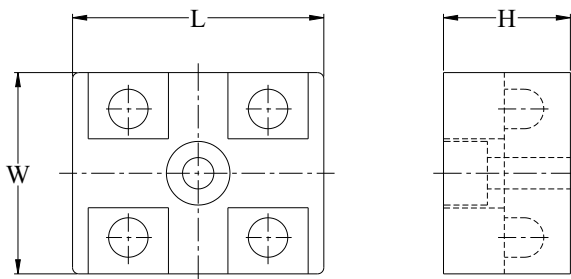
UMALE



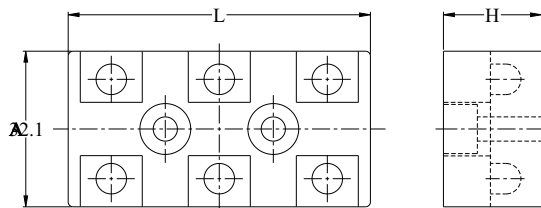
FEMALE

	CODE NO.	L	W	C/C	ØD	Ød	Ød1	H	h	WT. Grm.
	BUSL30039	35.00	17.00	19.00	9.00	4.50	10.00	11.50	5.50	7.8
	BUSL30040	35.00	17.70	19.00	8.50	4.80	9.50	11.40	4.50	7.5
	BUSL30069	35.00	17.40	19.00	10.00	5.00	8.50	11.50	4.50	8
	BUSL30097	35.00	17.00	18.90	8.00	4.25	8.70	11.70	6.75	8.2
	BUSL50106	35.00	16.00	19.00	9.00	5.30	7.50	11.00	7.00	9

	CODE NO.	ØA	ØB	ØC	D	E	WT. Grm.
	BUSL30028	15.80	10.20	5.50	11.00	5.20	-
	BUSL30030	17.25	10.20	5.50	11.00	5.20	-
	BUSL30038	17.00	12.20	4.90	7.80	5.90	2.7
	BUSL30041	16.00	9.90	4.80	8.00	5.90	-
	BUSL50057	14.80	11.65	6.50	8.15	4.80	2
	BUSL50059	9.00	6.80	3.30	5.15	3.30	-
	BUSL50061	13.10	9.90	5.50	7.10	4.00	1.5
	BUSL30098	16.00	9.75	4.75	7.50	5.00	2.7
	BUSL50107	15.00	9.50	5.10	6.00	3.00	2.2



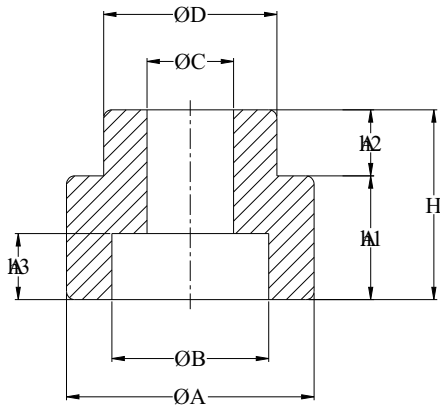
CODE NO.	L	W	H	MATERIAL	WT. IN GRM.
GENL50047	40.10	32.10	20.25	C-221	41



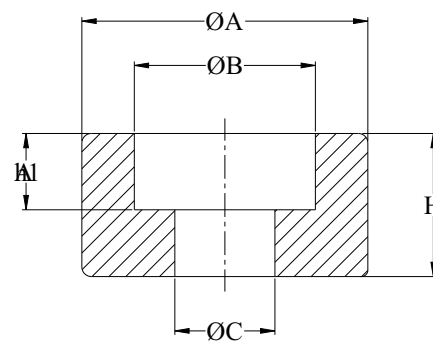
CODE NO.	L	W	H	MATERIAL	WT. IN GRM.
GENL50320	62.40	32.10	20.25	C-221	65

STEATITE CERAMIC BUSH MALE & FEMALE

Material: C221



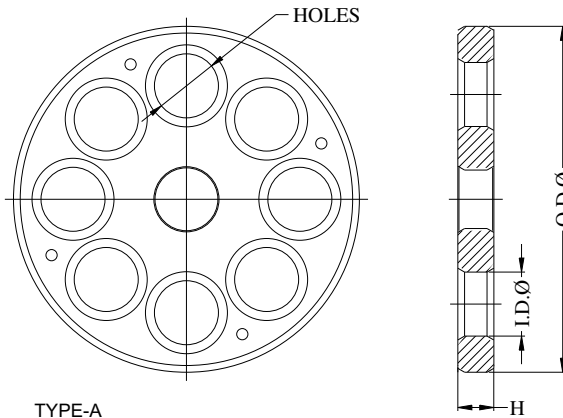
CERAMIC BUSH MALE									
CODE NO	A	B	C	D	H	h1	h2	h3	WEIGHT IN GRM
BUSL50136	30.00	22.00	13.00	21.00	23.00	15.00	8.00	7.00	24
BUSL50146	33.00	19.00	10.50	18.50	23.80	16.00	7.80	8.00	30
BUSL50135	40.00	27.50	16.90	25.80	33.00	21.00	12.00	12.00	55
BUSL50134	41.00	24.50	12.80	23.00	29.00	20.00	9.00	10.00	61
BUSL50150	36.00	19.00	10.50	18.50	23.80	16.00	7.80	8.00	38.5



CERAMIC BUSH FEMALE						
CODE NO	A	B	C	H	h1	WEIGHT IN GRM
BUSL50147	33.00	19.00	10.50	16.00	8.00	33
BUSL50144	41.00	24.50	12.80	20.00	10.00	56
BUSL50151	36.00	19.00	10.50	16.00	8.00	36

DISC

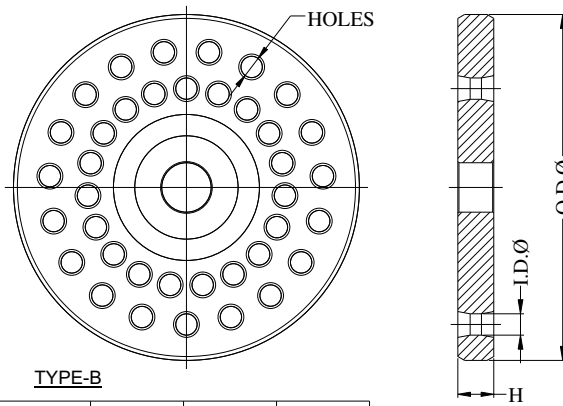
Material: C510



TYPE-A

CODE NO.	O.D. Ø	I.D. Ø	H	NOS.OF HOLES	WEIGHT IN GRM.
GENCS0358	93.00	18.50	12.00	06	108.6
GENCS0122	110.00	19.00	12.00	08	152.8
GENCS0107	132.00	29.00	14.00	06	239.4
GENCS0150	145.00	34.00	16.00	06	303.7
GENCS0119	152.00	34.00	16.00	06	322.5

CODE NO.	O.D. Ø	I.D. Ø	H	NOS.OF HOLES	WEIGHT IN GRM.
GENCS0254	154.00	29.00	16.00	08	376.8
GENCS0176	162.00	29.00	16.00	08	449.6
GENCS0166	170.00	29.00	16.00	08	459.3
GENCS0259	180.00	34.00	16.00	08	468.1



TYPE-B

CODE NO.	O.D. Ø	I.D. Ø	H	NOS. OF HOLES	WEIGHT IN GRM.
GENCS0144	130.00	9.50	16.00	18	288
GENCS0149	152.00	9.50	16.00	30	432
GENCS0256	154.00	9.50	16.00	38	418.7
GENCS0115	158.00	9.50	16.00	38	430

Specification:

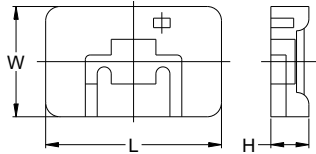
Material: Cordio-Sillimanite (Refractory) C-510. Colour off white.

Note:

- 1) All dimensions are in M.M.
 - 2) Dimensional tolerance: Up to 5mm: ± 0.2
From 5 to 10mm: ± 0.3
Over 10mm: $\pm 2\%$
- * Detailed drawing available on request

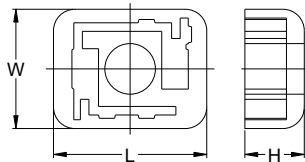
M.H.B., ABRASION RESISTANCE TILES, LAMP HOLDERS, BASE & TOWER PACKING

M.H.B. [MOSQUITO HOUSING BOATS]



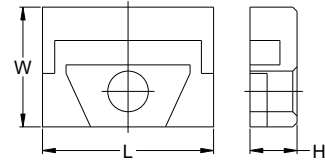
WEIGHT : 14 GRM.

CODE NO.	L	W	H	MATERIAL
MHBL50007	37.00	23.20	8.00	C-221



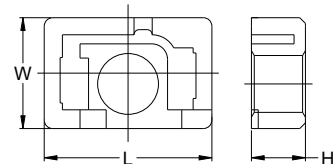
WEIGHT : 17 GRM.

CODE NO.	L	W	H	MATERIAL
MHBL50010	32.25	25.10	12.50	C-221



WEIGHT : 22 GRM.

CODE NO.	L	W	H	MATERIAL
MHBL30008	40.00	28.00	11.00	C-220

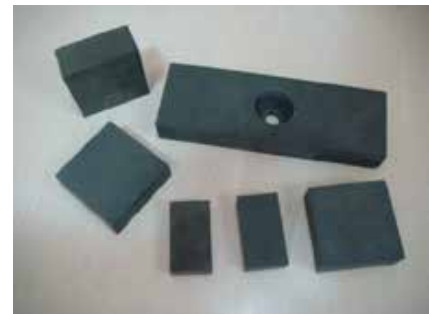


WEIGHT : 9 GRM.

CODE NO.	L	W	H	MATERIAL
MHBL30014	29.50	19.50	9.00	C-220

ABRASION RESISTANCE TILES

CODE NO.	L	W	H	WT IN GRM.
GENBA0105	44.00	25.00	12.00	47
GENBA0275	50.00	50.00	15.00	153
GENBA0280	50.00	50.00	18.00	158
GENBA0258	50.00	50.00	19.00	162
GENBA0264	50.00	50.00	23.00	190
GENBA0362	150.00	50.00	20.00	462



ABRASION RESISTANCE TILES OF HIGH ALUMINA IN DARK BROWN COLOR ARE INTRODUCED.
APPLICATION : CHUTES - WHERE COOL CLAY, GRAVELS ETC. ARE BEING USED IN
CEMENT PLANTS, POWER PLANTS ETC.

LAMP HOLDERS, BASES & TOWER PACKING



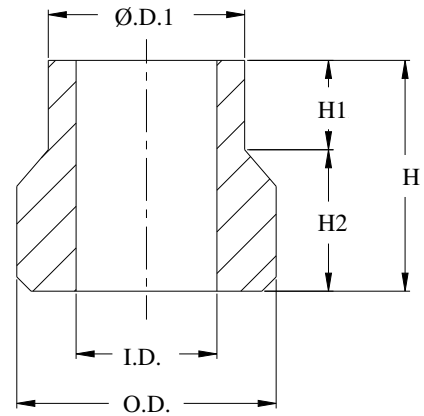
LAMP HOLDERS



ALUMINA CATALYST CARRIERS
BASES & TOWER PACKINGS

STEATITE ENDSEALING BUSH

Material: C221



CODE NO.	ARTICLE	O.D.	I.D.	H	H1	H2	O.D.1
ESBL50036	ESB:7	8.00	3.80	7.75	2.00	5.75	5.30
ESBL50003	ESB:9	8.60	4.30	8.00	2.00	6.00	6.00
ESBL50004	ESB:13(4)	8.25	4.20	10.60	4.50	6.10	6.40
ESBL500X2	ESB:14	6.90	3.60	10.00	4.50	5.50	5.30
ESBL50006	ESB:16(3)	8.30	3.20	11.00	4.50	6.50	6.40
ESBL500X3	ESB:17(3)	7.70	3.20	9.00	4.40	4.60	5.60
ESBL50014	ESB:20(3)	7.70	3.20	9.75	3.80	5.95	5.70
ESBL50005	ESB:21(4)	10.50	4.20	12.00	5.00	7.00	8.00
ESBL50008	ESB:21(5)	10.50	5.20	12.00	5.00	7.00	8.00
ESBL50009	ESB:22(6)	12.50	6.20	13.50	5.50	8.00	10.00
ESBL50010	ESB:24(6)	14.00	6.20	13.50	5.50	8.00	11.00
ESBL50011	ESB:26(6)	16.00	6.20	13.50	5.50	8.00	13.00
ESBL500X4	ESB:24(7)	14.00	7.20	13.50	5.50	8.00	11.00
ESBL50031	ESB:157	7.90	4.25	10.00	4.50	5.50	6.00
ESBL500X6	ESB:159	6.25	2.85	8.00	3.70	4.30	5.00
ESBL50022	ESB:SMALL	8.50	4.40	8.00	2.80	5.00	6.00
ESBL500X7	ESB:BIG	10.70	5.10	12.00	5.00	7.00	8.20

Note:

All dimensions are in M.M.

Figure shown in bracket under article is the dia Ø of wire that can be accommodated in that E.S.B.

Revision No. :-02

CUSTOM MADE PRODUCTS & POROUS CAP

Uncommon Dimensions



Elephant Tooth



Switch Base



Ceramic Ring with Hole



Heating Plate



Ceramic Block



Porous Cap for
Aeronautical Use



Cuplocks & other Items



Ferrules



Furnace Fuse Holders



Item with Metal Parts



Stand Offs

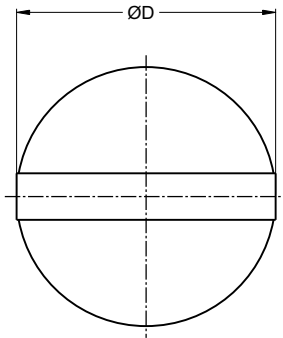


Glazed & Unglazed
Bush

GRINDING MEDIA & LINING BRICK

Material: C221/C-112

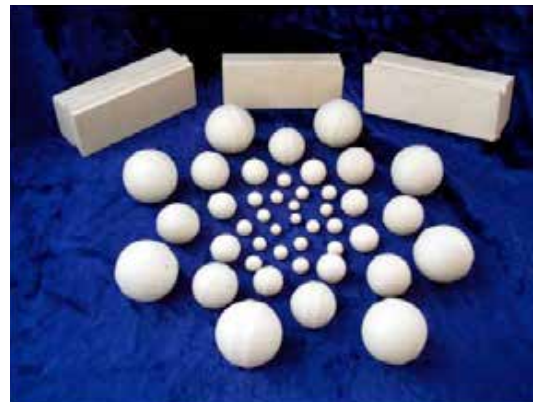
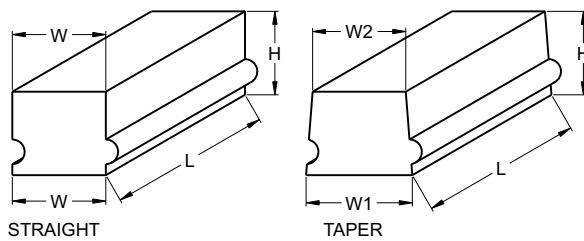
GRINDING MEDIA



ITEM	CODE NO.	ØD	Weight in gm.
BALLØ10.00	MEDL50024	10.00	1.3
BALLØ12.00	MEDL50025	12.00	2.5
BALLØ15.00	MEDL50040	15.00	4
BALLØ19.00	MEDL50044	19.00	9
BALLØ20.00	MEDL50026	20.00	10
BALLØ24.00	MEDL50043	24.00	20
BALLØ25.00	MEDL50027	25.00	22
BALLØ37.00	MEDL50036	37.00	71
BALLØ40.00	MEDL50045	40.00	---
BALLØ50.00	MEDL50031	50.00	190
BALLØ60.00	MEDL50035	60.00	315

LINING BRICK

(TOUNGE & GROOVE OR PLAIN) FOR BALL MILL LINING



LINING BRICKS				
STRAIGHT	W	W	H	L
150 - 50	50	50	50	150
115 - 50	50	50	50	115
75 - 50	50	50	50	75
35 - 50	50	50	50	35
TAPER	W1	W2	H	L
150 - 50	56	50	50	150
115 - 50	56	50	50	115
75 - 50	56	50	50	75
35 - 50	56	50	50	35

**ADVANCED STEATITE
GRINDING MEDIA AND LINERS**

Note:

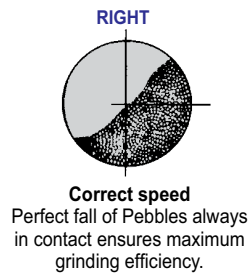
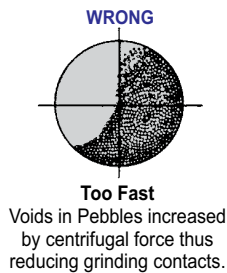
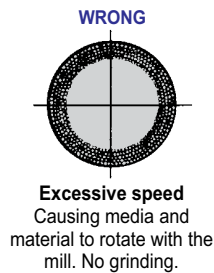
- 1) All dimensions are in M.M.
- 2) Dimensional tolerance: Up to 5mm: ± 0.15
From 5 to 10mm: ± 0.20
Over 10mm: $\pm 2\%$

GRINDING MEDIA & LINING BRICK

Material: C221/C-112

1 Ball Mill Rotation Speed :

Grinding in Ball Mill is achieved by rolling of grinding media falling freely So Ball Mill must rotate at a speed at which the Grinding Media is carried up the side enough to roll down again over but not so great that it tends to be carried clear or the material to be ground and then tail.



Recommended Ball Mill Speed

Ball Mill I.D.	Speed r.p.m.
36 (3')	28
42 (3.5')	26
48 (4')	24
56 (4.5')	22
60 (5')	20
72 (6')	18

2 Size of Balls :

It is surface of the Balls or Pebbles that do the grinding by their contact with others. It is observed that a mix of three sizes gives best result.

Recommended size of Balls

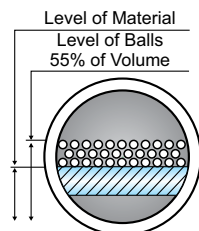
25% large size (50 - 60 mm)
50% medium size (30 - 40 mm)
25% Small size (30 mm)

3 Quantity of Balls :

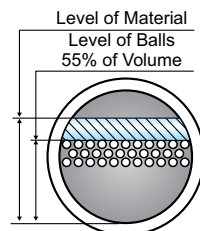
Ball charge should be 45% of their volume of the mill. However, higher the density better is the grinding.

4 Quantity of the material :

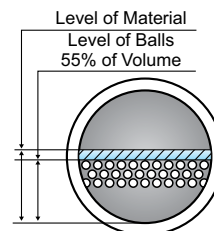
Theoretically the most efficient use of grinding ball is made when all the voids are filled with the material and the balls are just covered with it.



Wrong
Excess quantity balls result into high wear rate of lining



Wrong
Longer milling time



RIGHT

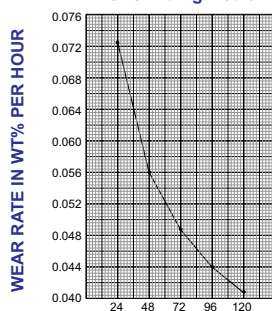
5 Consistency of Material :

The consistency of the mixture for wet grinding also effects the results. If the mixture is too thick balls will clog together. If the mixture is too thin then it will cause slipping. So the right amount of water is necessary.

6 Initial Size of material to be ground :

If the feed is fairly large it wears down the media and lining unnecessarily. A fine feed leads to efficient uniform and uncontaminated products. So it is always better to use finer material as far as possible.

Wear rate versus milling time of Grinding Media



GRINDING MEDIA Technical Specifications

Diameter Mm	App. No. Balls / Kg.
-	-
10	700
12.5	350
15	180
-	12.165
20	85
25	45
30	25
35-37	15
40	11
50	5.6
60	3 to 3.5

Physical Properties

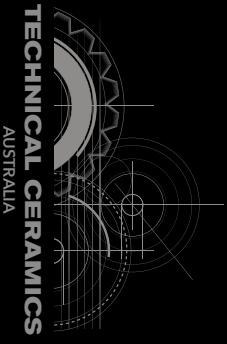
Color	White
Sp. Gravity	2.7
Water Absorption %	0
Flexural Strength Kg/Cm ²	1400
Compressive Strength Kg/Cm ²	5000
Hardness (Moh's Scale)	7.5

SiO ₂	60-62
MgO	27-30
Al ₂ O ₃	7-8
Fe ₂ O ₃ + TiO ₂	0.2<
CaO	1.5<
BaO	2.5<

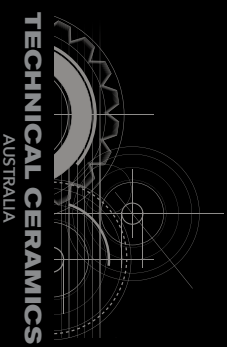
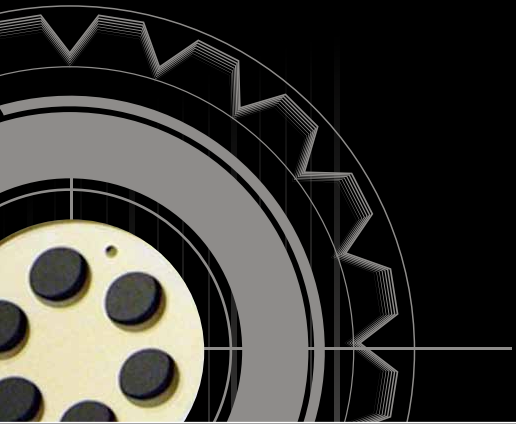


MATERIAL SPECIFICATION CHART

Material Properties	Unit	Normal Porcelain	Dense Cordierite	Steatite Grade L-3	Steatite Grade L-5	Cordierite Porcelain	Cordio-Sillmanite Refractory	Cordierite Refractory	High Alumina Porcelain	Alumina Ceramic
Equivalent to DIN EN 60672		C-112	C-210	C-220	C-221	C-410	C-510	C-511	C-610	C-780
PHYSICAL PROPERTIES										
Colour		Cream/White/Grey	Off-white	Off White	Off White Satin Smooth	White	White/Buf	Brown	Off.White	Brown
Specific Geavity		2.3	2-2	2.6	2.7	2.3	1.8-1.9	1.9	2.6	3.2
Water Absorption	%	Less than 1	Less than 2%	0.5	0.0	0.0	22-24	15-20	0	0
Flexural Strength	Kg /cm ²	800	-	1200	1400	800	300	300	1200	2500
Compressive Strength	Kg /cm ²	2500	2500	4000	5000	2500	800	2000	3500	16000
Young's Modulus	Kg /cm ² X10 ⁸	0.7	-	0.8	1.0	0.75	-	-	1.0	2.0
Hardness	Moh's Scale	6-6.5	-	6-7	6-7	6-6.5	7-8	-	7.0	8.0
THERMAL PROPERTIRS										
Coefficient of Thermal Expanition (30-600 degree Celsius)	x 10 ⁻⁶ /°C	6-7	4-5	6-7	6-7	6-7	4-5	4-5	5-6	6-8
Thermal Shock Resistance Down Shock	°C	200	500	250	300	400	500	750	300	250
Thermal Conductivity	W/M ² K	1.4-2.5	-	2-3	2-3	1.2-2.5	1.3-1.8	1.3-1.8	2-6	10-16
Safe Operation Temp.	°C	600	1000	1000	1050	600	1300	1000	1000	1100
Max. Temp. Withstanding Capacity	°C	1200	1200	1200	1200	1200	1350	1200	1200	1200
ELECTRICAL PROPERTIES										
Dielectric Strength (20°C)	KV/mm	8	-	10	20	10	-	-	10	18
Dielectric Costant(20°C::1MHz)		5.0	-	5.5	6.5	6.0	-	-	7.0	8.0
Volume Resistivity (20°C)	Ohm-cm	10 ¹¹	-	10 ¹¹	10 ¹¹	10 ¹⁰	-	-	10 ¹¹	10 ¹²
CHEMICAL COMPOSITION N.P.										
SiO ₂	%	70	70-75	60-65	60-65	70-72	45-50	55-57	40-45	-
Al ₂ O ₃	%	20	15-17	15-17	6-7	23-25	45-50	30-32	45-50	app. 80
Mg o	%	-	10-12	18-20	25-27	1-3	1-2	7-8	-	-
APPLICATION										
		LT Insulator, Lamp Holder, Media Lining Block etc.	Ferrules High heat Shock Items.	MCB Plates Beads, Insulators, Lamp Holders.	HRC Sq. Bodies, Band Heaters, EndSeabush, GrindingMedia, Liners.	HRC Round Bodies, Wire Wound, Resistor, Tube, Different Special Shape Insulators, Media.	Klin Furniture Hot plates, Heating Element Support.	Bobbins, Multi Hole, Tubes, Heating Element Support.	High /Low Voltage Electrical Application Resistance Formers	Coil Formers, Wear Resistant Parts.



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