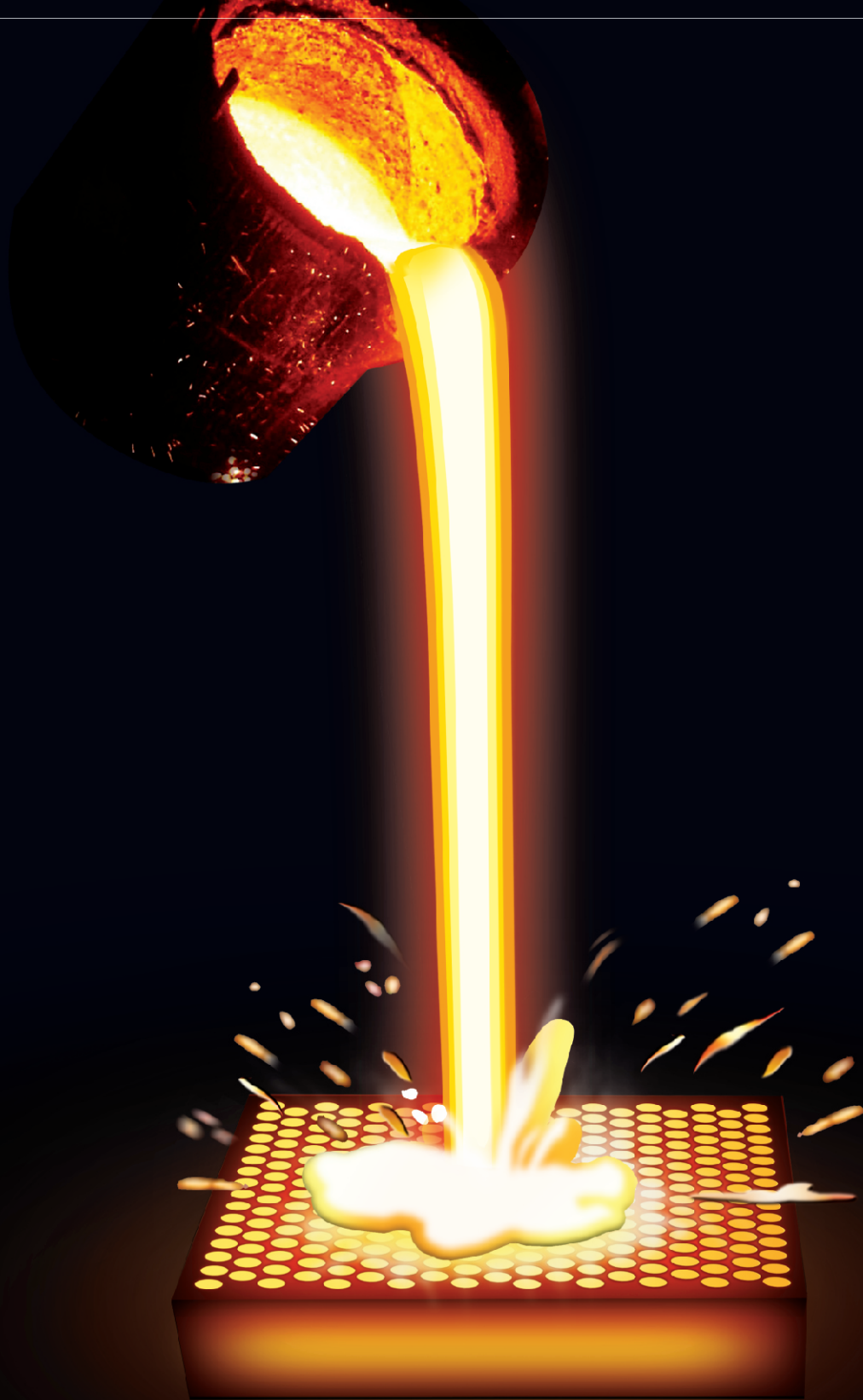




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where quality filtration does matter

SINCE 1990



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Production flow





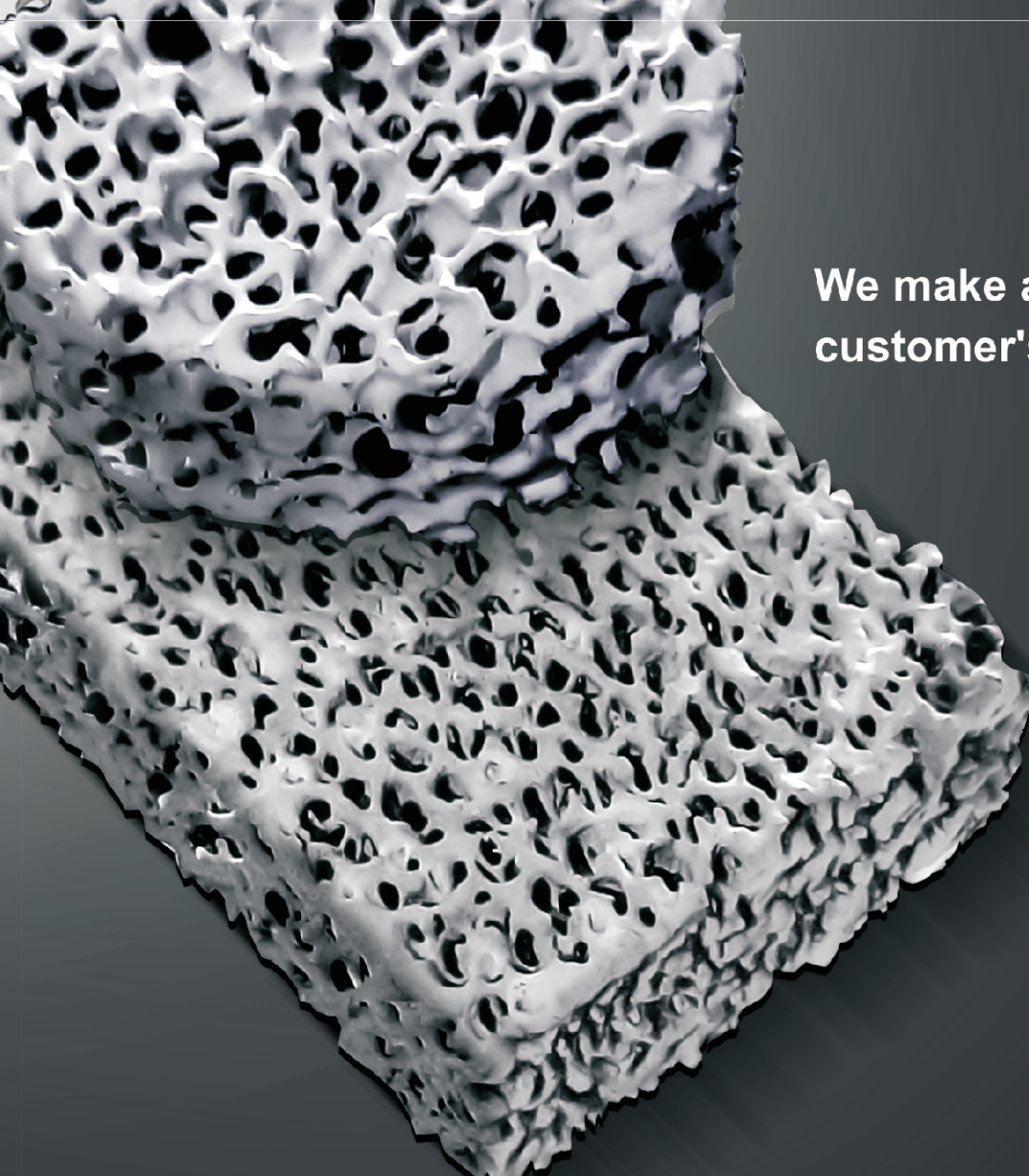
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Company Profile

Shakti industries is specialized in manufacturing and supply of ceramic foundry filter and refractory.

As an ISO-9001 certified enterprise, Shakti industries devote our selves to provide products with consistent quality, technical improvement and professional service, we have set up worldwide sales network, supplying products and serving globally for Indian market.

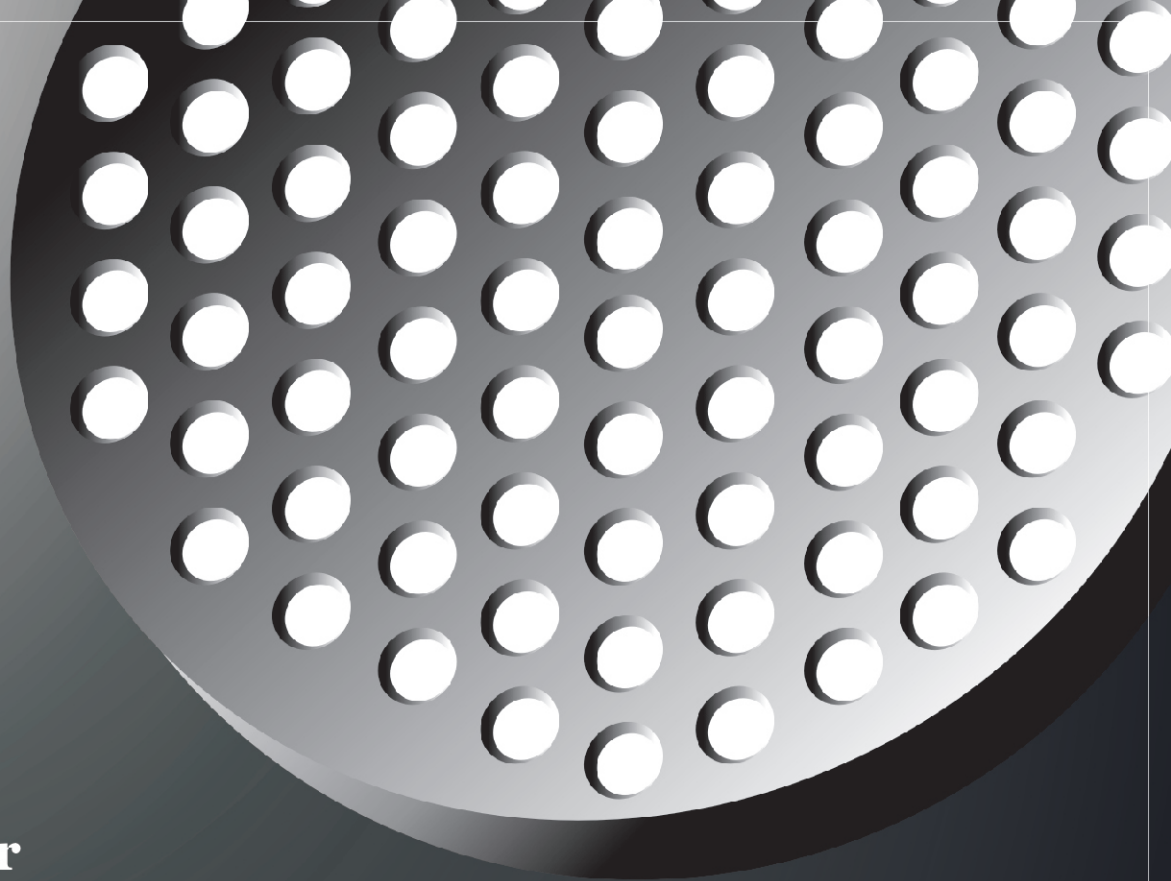
Based on more than 30 year of ceramic and refractory manufacturing and Shakti industries are dedicating product in steady quality and professional services to the customers and enjoying the progress along with them.



**We make an item according to
customer's requirement**

index

04	Introduction Of Ceramic Filter	15	Ceramic Tube For Temperature Tips
06	Square Ceramic Filter	15	Ceramic Bush
08	Rectangle Ceramic Filter	17	Ceramic Tubes
09	Round Ceramic Filter	19	Ceramic Bobbin
10	Round Taper Ceramic Filter	20	Ceramic Stripes
13	Silicon Carbide Foam Filter	21	Ceramic Connector/Terminal
14	Ceramic Pouring Cup	22	Ceramic Furnace Bricks



Ceramic Filter

Ceramic Filter Manufactured today are highly reliable for their Physical Characteristics and dimension and therefore mass production of casting on automated moulding lines has seamlessly accepted and accommodated the introduction of these high quality filters.

FILTRONE CERAMIC FILTERS prepared from good quality raw material and made under strict process controls are ideally suited for foundry applications. Good thermal and mechanical properties together with consistent dimensions make FILTRONE filters the best in choice for the production of clean castings with superior surface finish.

Rejection of casting due to inclusions can be reduced considerably by using **FILTRONE CERAMIC FILTERS** in foundry moulding systems. Customers who buy these high quality casting will benefit immensely because of the reliability and assured performance characteristics derived from these casting.

What makes **FILTRONE CERAMIC FILTER** superior ?

- They are prepared under high pressure and therefore offer high densities.
- They are fired at elevated temperatures to ensures complete sintering.
- Their external dimensions pore sizes are accurate and made to close tolerances.
- They can be offered in different shapes and sizes to suit a variety of mould design and gating systems.
- They posses consistent thermal properties like refractoriness,thermal shock resistance etc.

TOLERANCE

Range of tolerance (length & width)

Up to 40mm +0 / -1.00 mm

40mm to 120mm +0 / -2.00 mm

Over 120mm +0 / -3.00 mm

Thickness +0 / -1.00 mm

Benefits of using FILTRONE CERAMIC FILTERS

- Purify the liquid iron
- Remove non-metallic impurities
- Trap slag and dross particles
- Minimize turbulent flow of liquid iron
- Reduce inclusion in the casting
- Improve the surface quality of casting
- Improve mechanical properties of casting
- Reduce rejection rate and improve energy consumption
- Enable reduction in machining allowances
- Increase life of cutting tools and reduce cost of machining
- Improve reliability of casting performance

why do we need filters....

Economical production of casting

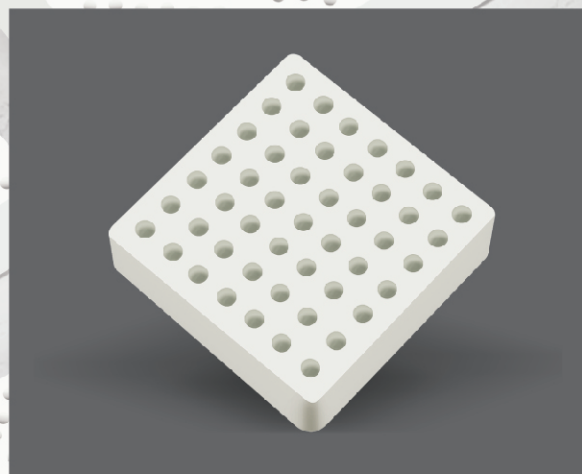
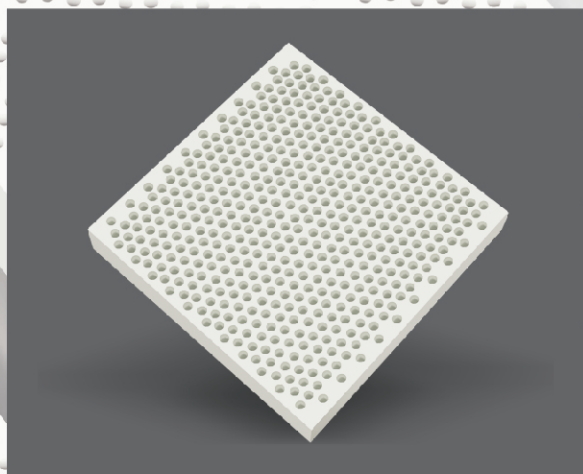
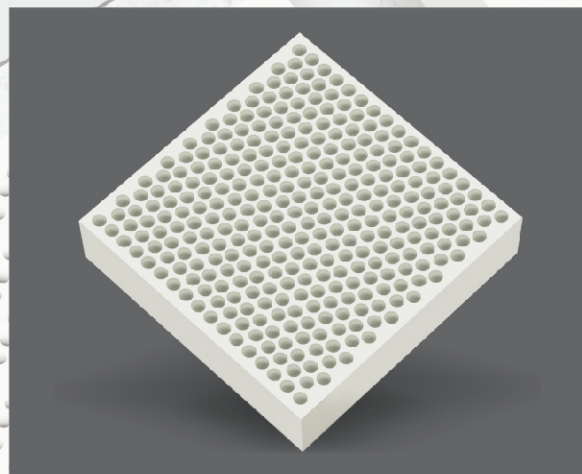
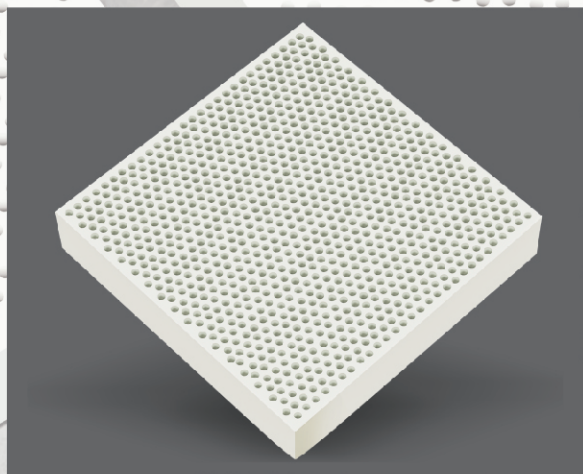
- Scrapped casting are wasteful expenditure.
- Increase the yield of castings per mould poured
- If defects are minimized supply of good casting will increase
- Quality improvement will cut down costs of post casting processes (like cleaning and finishing)

Improve Productivity

- Assured quality means operating procedures are stable and reliable
- Better surface quality gives scope for reduced allowances for machining
- Better internal soundness means trouble free production for uninterrupted supplies

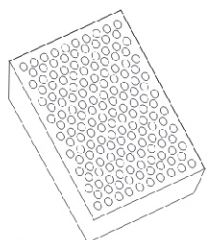
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Square Ceramic Filter

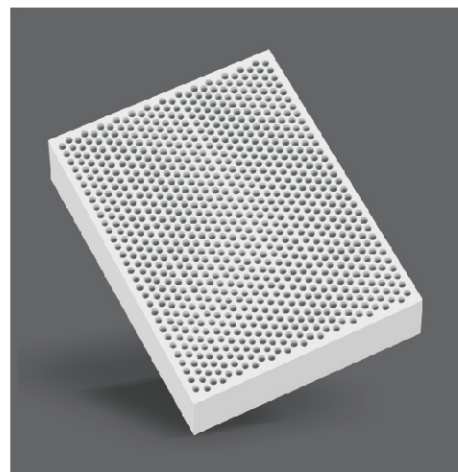
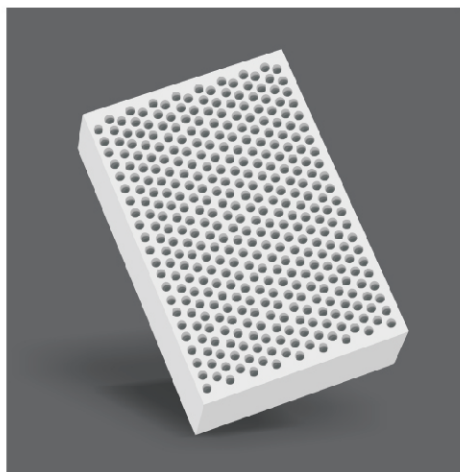


Square Ceramic Filter

Item Code	Dimensions		Number Of Hole	Hole Dia (mm)	Open Area %	Pouring Area (mm ²)
	Nominal	Thickness				
FF-101	25x25	10	39	2.25	25	155
FF-102	39x39	12	143	2	30	449
FF-103	40x40	15	168	2	33	528
FF-104	40x40	12.5	188	2	37	590
FF-105	40x40	10	112	2.5	50	550
FF-106	40x40	10	114	2.5	50	559
FF-107	40x40	12	264	1.7	37	599
FF-108	40x40	12.5	127	3	56	897
FF-109	49x49	15	294	2	38	923
FF-110	50x50	20	137	2.3	23	569
FF-111	50x50	12.5	310	1.9	35	878
FF-112	50x50	21	64	3.75	28	707
FF-113	50x50	12.5	230	2.3	38	955
FF-114	50x50	12.5	279	2.17	41	1031
FF-115	50x50	12.5	294	2	37	923
FF-116	50x50	15	294	2	37	923
FF-117	50x50	22	294	2	37	923
FF-118	50x50	20	104	2.8	29	640
FF-119	55x55	12.5	389	2	40	1221
FF-120	55x55	12.5	261	2.3	36	1084
FF-121	55x55	12.5	468	1.7	35	1062
FF-122	55x55	12.5	279	2.2	38	1159
FF-123	55x55	12.5	687	1.5	40	1213
FF-124	60x60	12.5	426	2	37	1338
FF-125	66x66	12.5	537	2	39	1686
FF-126	75x75	12.5	585	2.3	43	2429
FF-127	75x75	15	585	2.3	43	2429
FF-128	75x75	22	585	2.3	43	2429
FF-129	75x75	22	425	2.5	37	2085
FF-130	75x75	15	621	2	35	1950
FF-131	75x75	22	621	2	35	1950
FF-132	75x75	20	513	2.5	45	2517
FF-133	100x100	20	295	4.5	58	4689
FF-134	100x100	20	952	2.3	40	3953
FF-135	100x100	22	952	2.3	40	3953
FF-136	100x100	20	1050	2	33	3297
FF-137	132x132	20	493	4.5	45	7837
FF-138	134x134	20	1340	2.5	37	6574

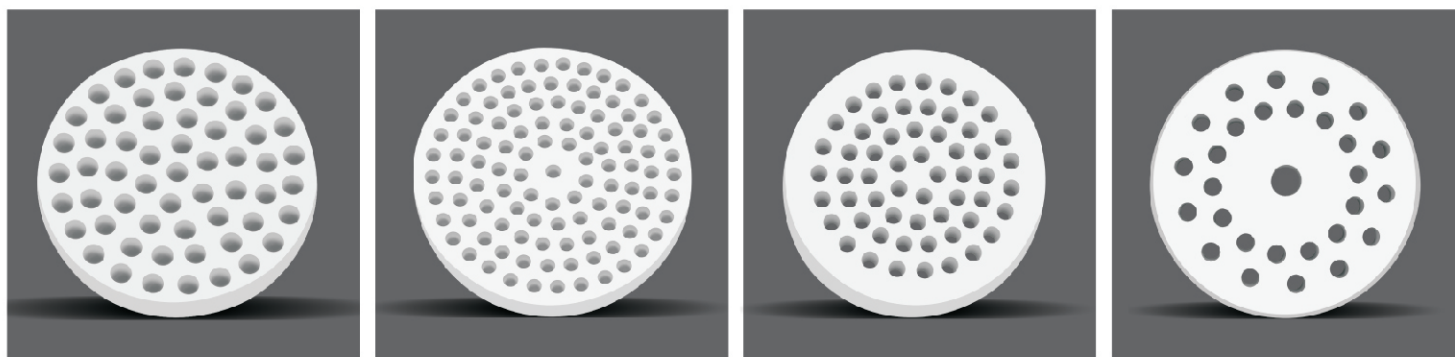


Rectangle Ceramic Filter



Item Code	Dimensions		Number Of Hole	Hole Dia (mm)	Open Area %	Pouring Area (mm ²)
	Nominal	Thickness				
FF-201	50x100	20	1325	1	21	1040
FF-202	50x100	20	219	3.5	43	2106
FF-203	50x100	12	305	2.25	24	1212
FF-204	50x100	21	507	2	32	1592
FF-205	50x75	20	105	4.25	40	1489
FF-206	50x75	20	200	2.5	26	981
FF-207	50x75	20	171	2.8	28	1052
FF-208	50x75	15	374	2.17	37	1382
FF-209	50x75	22	374	2.17	37	1382
FF-210	50x75	15	377	2	32	1184
FF-211	55x60	15	385	2	37	1209
FF-212	75x100	22	850	2	36	2669
FF-213	90x100	20	42	4.5	9	668

Round Ceramic Filter



Item Code	Dimensions		Number Of Hole	Hole Dia (mm)	Open Area %	Pouring Area (mm ²)
	Nominal	Thickness				
FF-301	35	8	39	3	29	276
FF-302	37	7	49	2	14	154
FF-303	38	8	35	3.75	34	386
FF-304	40	8	9	5.5	17	214
FF-305	40	22	117	2	29	367
FF-306	40	22	63	3	35	445
FF-307	47	7	58	3	24	410
FF-308	47	7.5	58	3.75	37	640
FF-309	47	10	58	3.75	37	640
FF-310	47	10	169	2	31	531
FF-311	47	10	63	3	26	445
FF-312	47	10	127	2.3	30	527
FF-313	47	7	63	3	26	445
FF-314	50	15	58	3.75	33	640
FF-315	50	10	41	4.5	33	652
FF-316	50	10	58	3.75	33	640
FF-317	50	10	197	2	32	619
FF-318	50	10	73	3	26	516
FF-319	55	10	29	5.5	29	689
FF-320	60	10	95	3	24	671
FF-321	60	10	104	3	26	735
FF-322	60	10	144	2	16	452
FF-323	60	10	73	3.75	29	806
FF-324	66	15	61	4.5	28	970
FF-325	67	10	106	3.75	33	1170
FF-326	68	10	145	3	28	1024
FF-327	70	10	106	3.75	30	1170
FF-328	70	20	145	3	27	1024
FF-329	70	20	238	2	20	747
FF-330	80	10	39	5.5	17	926
FF-331	100	10	308	2.15	14	1118
FF-332	120	15	386	1.5	6	681
FF-333	140	10	217	3.5/2.3	12	1800
FF-334	150	15	638	1.5	6	1127

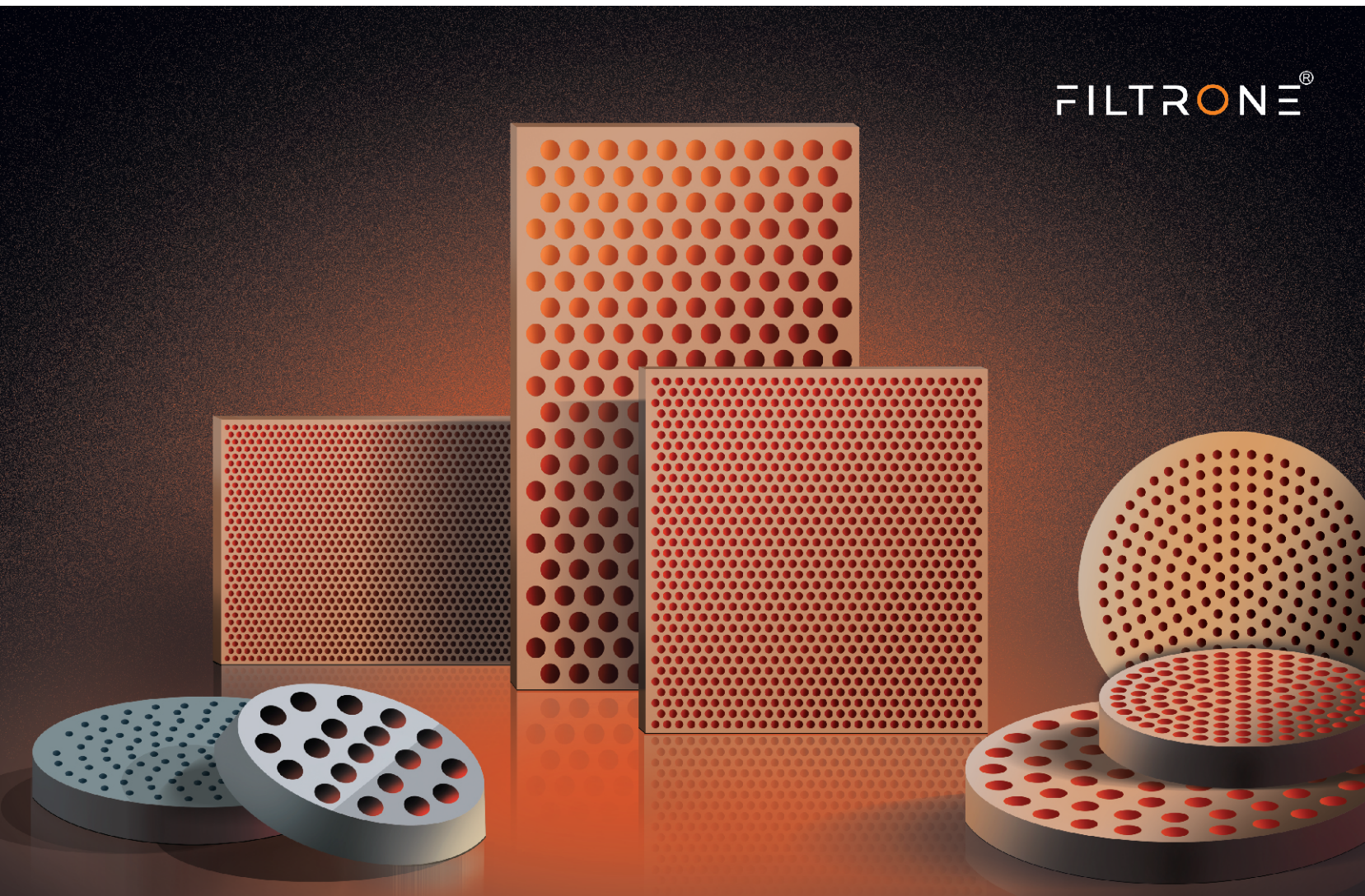
Round Taper ceramic Filter

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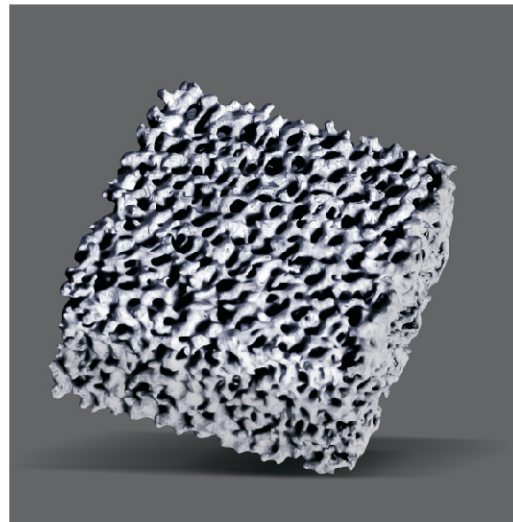
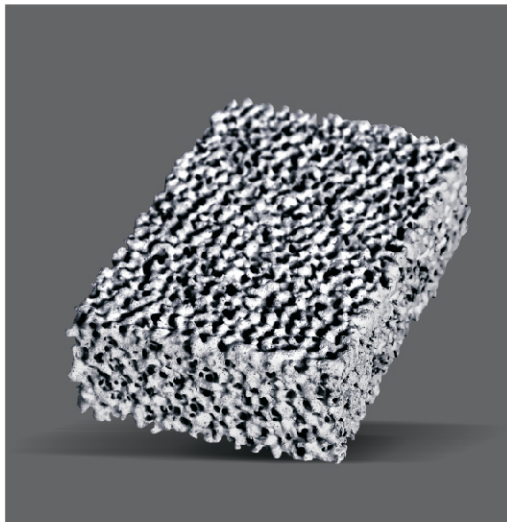
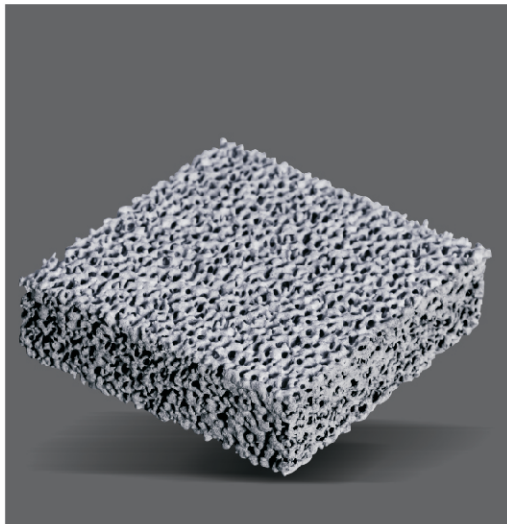


Item Code	Dimensions		Number Of Hole	Hole Dia (mm)	Open Area %	Pouring Area (mm ²)
	Nominal	Thickness				
FF-401	40/42	10	139	2	32	436
FF-402	40/42	10	27	4	24	339
FF-403	48/50	15	42	3.5	21	404
FF-404	56/58	15	58	3.5	21	558
FF-405	50/56	10	74	2.7	17	423
FF-406	50/52	10	15	4	9	188
FF-407	50/52	15	170	2	25	534
FF-408	50/52	15	42	3	14	297
FF-409	58/60	12	333	1.7	27	755
FF-410	58/60	12	223	2	25	700
FF-411	61/63	10	107	3	24	756
FF-412	62/64	15	242	2	24	760
FF-413	62/64	10	196	2.1	21	679
FF-414	70/66	10	24	5	12	471
FF-415	70/72	15	86	3.5	20	827
FF-416	70/66	10	27	5	14	530
FF-417	73/75	10	19	9	27	1208
FF-418	74/76	15	366	2	25	1149
FF-419	80/82	15	122	3.5	22	1173

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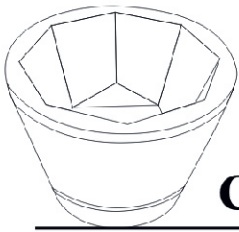


Silicon Carbide Foam Filter



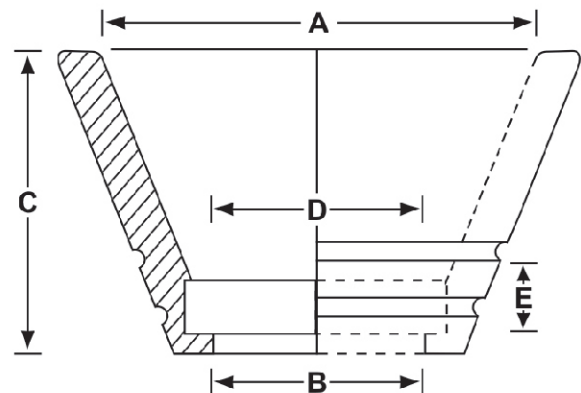
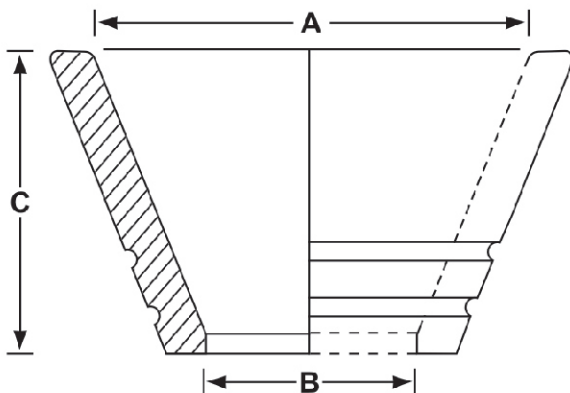
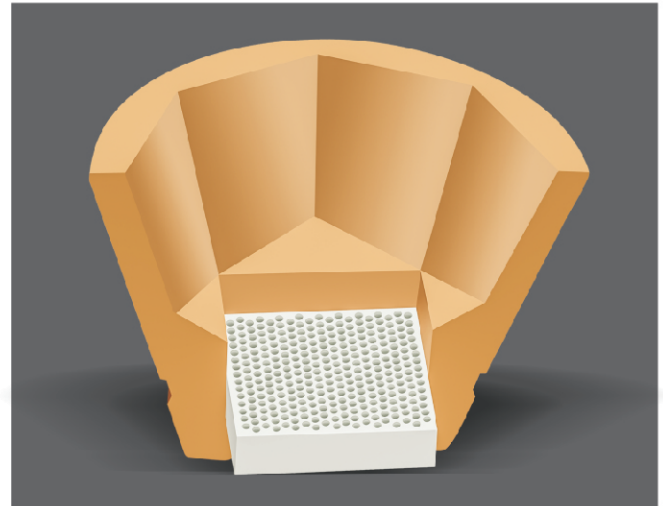
specification

Content	Sic
Colour	Gray
Porosity (PPI)	10-30
Temperature	1500 °C
Compressive Strength (Mpa)	1. 3
Bulk Density (G/cm3)	0. 45 ± 0. 2



Ceramic Pouring Cup

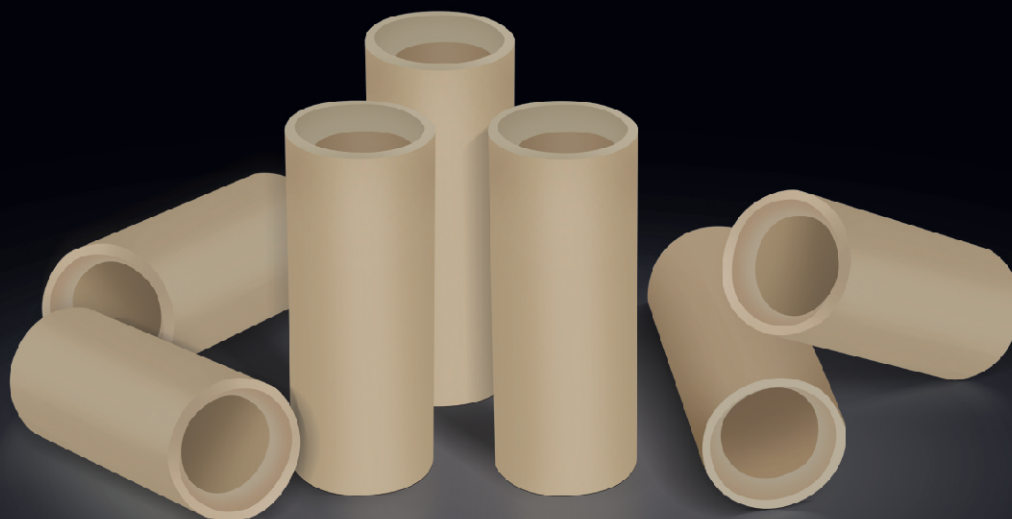
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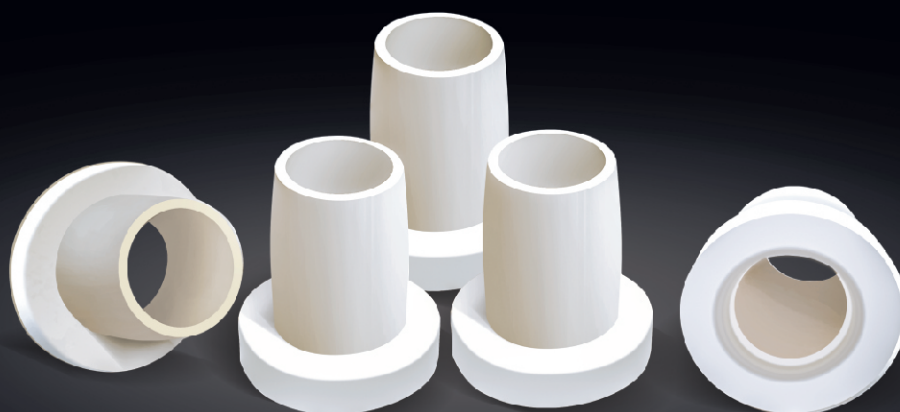
Use the image above and supply your required dimensions for a custom quote.

The use of pouring cup in foundry Casting is the Part of Casting system. Puts the molten metal in the Pouring cups, which are made from high quality material, we will create pouring cup as per your requirements.

Ceramic Tube for Temperature Tips



Ceramic Bush _____



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Heating Elements (Heat Resistance)

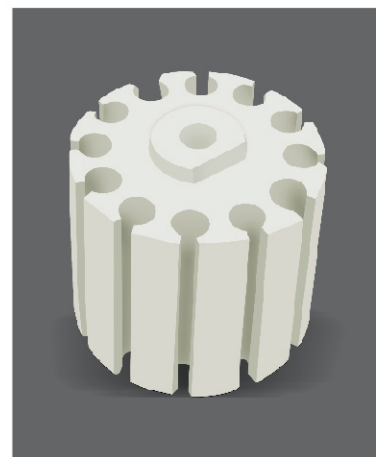
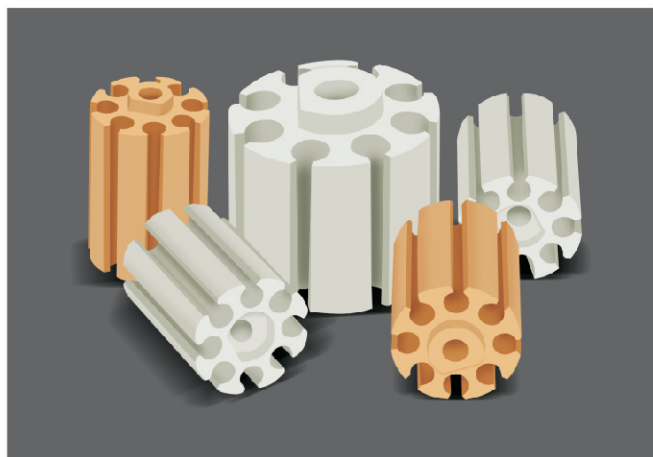
- Prepared under high 1250°C Temperature
 - Prepared under high Pressing
 - Dimensionally Accurate
 - Chemical elements - Silica Oxide (SiO_2) and high Aluminum Oxide (Al_2O_3)
 - Different Shape and Size
 - Good Heat resistance
- Suitable for
 - Electric Heater
 - Plastic Industrial Heater
 - Room Heater
 - Water Geyser
 - Plastic sealing Machine
 - Shrink Machine etc.

Ceramic Tubes



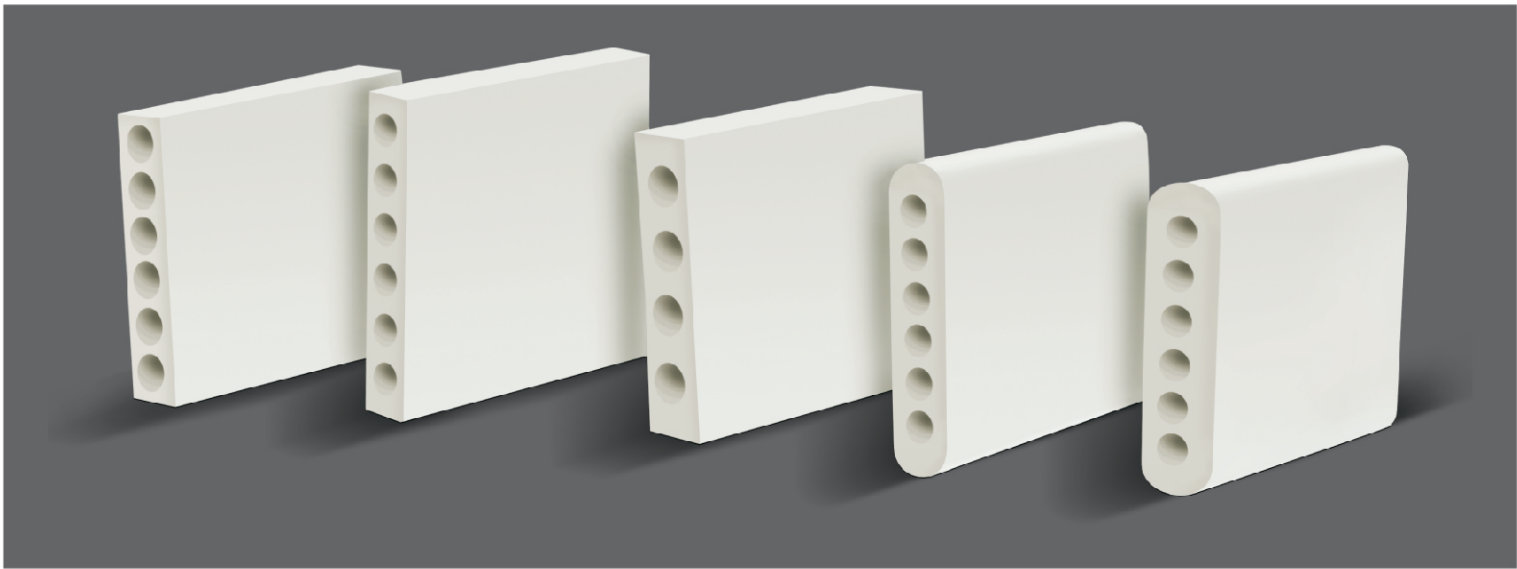
Item Code	Size	Number of Hole
FT-601	2mm - ID x 4mm - OD x 50mm - L	1
FT-602	3mm - ID x 5mm - OD x 50mm - L	1
FT-603	4mm - ID x 6mm - OD x 50mm - L	1
FT-604	5mm - ID x 7mm - OD x 50mm - L	1
FT-605	8mm - ID x 11mm - OD x 25mm - L	1
FT-606	8mm - ID x 12mm - OD x 300mm - L	1
FT-607	12mm - ID x 20mm - OD x 300mm - L	1
FT-608	15mm - ID x 25mm - OD x 300mm - L	1
FT-609	14mm - ID x 23mm - OD x 63mm - L	1
FT-610	20mm - ID x 30mm - OD x 300mm - L	1
FT-611	21mm - ID x 30mm - OD x 75mm - L	1
FT-612	10mm - ID x 18mm - OD x 300mm - L	1
FT-613	35mm - ID x 50mm - OD x 300mm - L	1
FT-614	30mm - ID x 50mm - OD x 300mm - L	1
FT-615	25mm - ID x 50mm - OD x 300mm - L	1
FT-616	25mm - ID x 35mm - OD x 300mm - L	1
FT-617	4mm x 150mm	2 OR 4Hole
FT-618	6mm x 150mm	2 OR 4Hole
FT-619	8mm x 150mm	2 OR 4Hole
FT-620	9mm x 150mm	2 OR 4Hole
FT-621	10mm x 150mm	2 OR 4Hole
FT-622	11mm x 150mm	2 OR 4Hole
FT-623	12mm x 150mm	2 OR 4Hole
FT-624	13.5mm x 150mm	2 OR 4Hole
FT-625	14mm x 150mm	2 OR 4Hole
FT-626	19mm x 150mm	2 OR 4Hole
FT-627	20mm x 150mm	2 OR 4Hole
FT-628	20mm x 50mm	4Hole
FT-629	19mm x 50mm	4Hole
FT-630	16mm x 50mm	4Hole
FT-631	18mm x 50mm	4Hole
FT-632	10mm x 150mm	7Hole
FT-633	11mm x 150mm	7Hole
FT-634	12.5mm x 150mm	7Hole
FT-635	13.5mm x 150mm	7Hole
FT-636	14mm x 150mm	7Hole
FT-637	16mm x 150mm	7Hole
FT-638	17mm x 150mm	7Hole
FT-639	19mm x 150mm	7Hole
FT-640	21mm x 150mm	7Hole
FT-641	22mm x 150mm	7Hole
FT-642	25mm x 150mm	7Hole
FT-643	28mm x 150mm	9Hole
FT-644	32mm x 50mm	9Hole
FT-645	34mm x 50mm	9Hole
FT-646	37mm x 50mm	9Hole
FT-647	44mm x 50mm	9Hole
FT-648	46.5mm x 150mm	19Hole
FT-649	60mm x 150mm	19Hole

Ceramic Bobbin



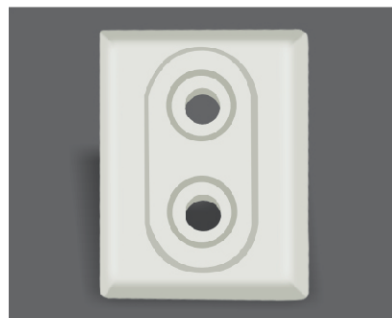
Item Code	Size (mm)
FB-501	20 x 50 - 6 Hole
FB-502	26 x 50 - 6 Hole
FB-503	29 x 50 - 8 Hole
FB-504	32 x 50 - 8 Hole
FB-505	34 x 50 - 8 Hole
FB-506	34 x 50 - 12 Hole
FB-507	37 x 50 - 8 Hole
FB-508	37 x 50 - 12 Hole
FB-509	38 x 50 - 8 Hole
FB-510	41 x 50 - 8 Hole
FB-511	44 x 50 - 8 Hole
FB-512	44 x 50 - 6 Hole
FB-513	44 x 50 - 12 Hole
FB-514	47 x 50 - 8 Hole
FB-515	50 x 50 - 8 Hole
FB-516	51 x 75 - 8 Hole
FB-517	55 x 50 - 12 Hole
FB-518	62 x 50 - 8 Hole
FB-519	76 x 50 - 12 Hole

Ceramic Stripes

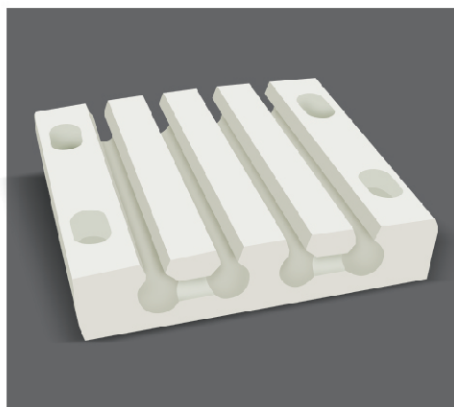


Item Code	Size	Number of Hole	Shape
FS-701	21mm x 50mm	4	Round
FS-702	32mm x 50mm	6	Round
FS-703	35mm x 50mm	6	Round
FS-704	38mm x 50mm	6	Round
FS-705	41mm x 50mm	6	Round
FS-706	41mm x 50mm	4	Square
FS-707	44mm x 50mm	4	Square
FS-708	50mm x 50mm	6	Square
FS-709	50mm x 50mm	10	Square
FS-710	32mm x 50mm	6	Square
FS-711	22mm x 120mm	4	Round

Cearmic Connector / Terminal



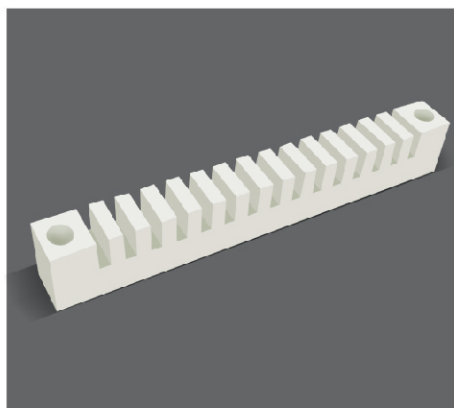
Item Code	Item Name
FCT-801	32mm Top
FCT-802	35mm Top
FCT-803	37mm Top
FCT-804	44mm Top
FCT-805	50mm Top
FCT-806	29mm Bottom
FCT-807	32mm Bottom
FCT-808	35mm Bottom
FCT-809	37mm Bottom
FCT-810	44mm Bottom
FCT-811	50mm Bottom
FCT-812	32mm Steep Terminal
FCT-813	35mm Steep Terminal
FCT-814	37mm Steep Terminal
FCT-815	41mm Steep Terminal
FCT-816	Coffi Roster



Bricks



G Huck



Rank



Cup Lock

Item Code	Item Name	Item Size
FFB-901	Bricks	46mm x 76mm (4 Hole)
FFB-902	Bricks	42mm x 105mm (2 Hole)
FFB-903	Bricks	55mm x 95mm (4 Hole)
FFB-904	Bricks	110mm x 110mm (4 Hole)
FFB-905	Bricks	115mm x 225mm (6 Hole)
FFB-906	U.Bricks	45mm x 120mm
FFB-907	Bricks	120mm x 260mm (10 Hole)
FFB-908	Cup Lock	51mm x 60mm
FFB-909	G Huck	

Tolerance - 1mm to 50mm $\pm$ 1mm
 51mm to 100mm $\pm$ 2mm
 101mm and above $\pm$ 5mm



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where quality filtration does matter



Mfg. : Foundry Filters & all Type of Refractory

B/h. F.C.I. Godawn, New Heater Nagar,
Thangadh - 363 530. (Gujarat) INDIA

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info@filtrone.in