



# **MADYA BHARAT CERAMICS**

**One Stop Solution for Ceramic Tower Packing**

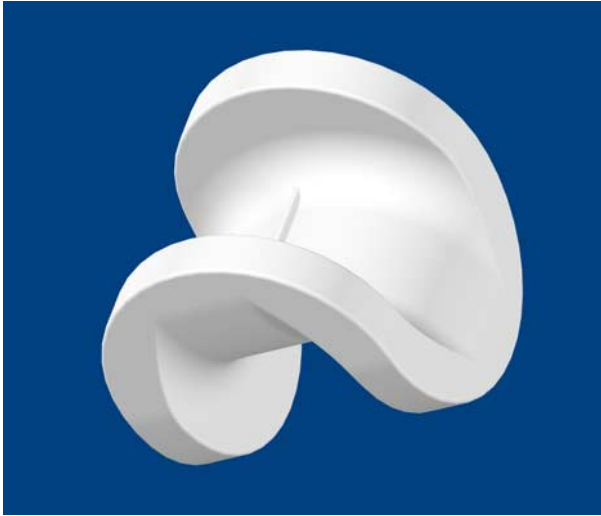
## Products

### ➤ Ceramic Saddles



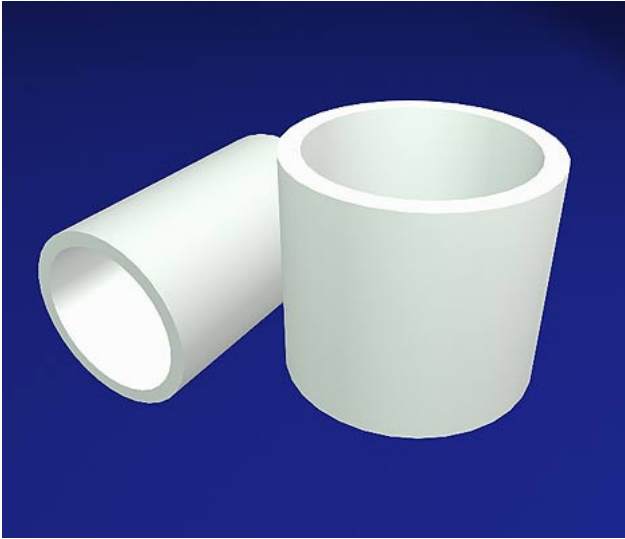
Size MM(Nominal)	12 mm	19 mm	25 mm	38 mm	50mm
A	on request	26 ± 2.6	34 ± 3	51 ± 3	68 ± 4
B	on request	18 ± 1.8	24 ± 2	35 ± 2	47 ± 2.8
C	on request	13 ± 1.3	17 ± 2	25.5 ± 2	34 ± 3
D	on request	10.5 ± 1	14 ± 1	22 ± 1	30 ± 1.8
E	on request	2.5 ± 0.25	3.5 ± 0.5	4.5 ± 0.5	6 ± 1
Quantity (Aprx ±10%) Nos. per cubic meter	on request	162500	70000	21000	9300
Weight(Aprx±10%) Kg per cubic meter	on request	593	586	594	560
% Free space (Aprx)	on request	71	77	80	79
Contact surface M <sup>2</sup> /M <sup>3</sup> (Aprx)	on request	239	199	139	108
Relative efficiency M <sup>2</sup> /M <sup>3</sup> free space	on request	337	258	174	137
Relative scrubbing capacity M <sup>2</sup> /M <sup>3</sup> X Free space	on request	170	153	111	85
Packing Factor		110	98	52	40

## ➤ Berl Saddles



Size MM(Nominal)	12 mm	19 mm	25 mm	38 mm	50mm
A	on request	26 ± 2.6	34 ± 3	51 ± 3	68 ± 4
B	on request	18 ± 1.8	24 ± 2	35 ± 2	47 ± 2.8
C	on request	13 ± 1.3	17 ± 2	25.5 ± 2	34 ± 3
D	on request	10.5 ± 1	14 ± 1	22 ± 1	30 ± 1.8
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Packing Factor					

## ➤ Ceramic Ring



Size(Nominal)	-	15 x 15 x 3	19 x 19 x 3	25 x 25 x 4	35 x 35 x 4	50 x 50 x 6	75 x 75 x 8
Diameter D mm	-	15 ± 1	19 ± 1	25 ± 2	35 ± 2	50 ± 3	75 ± 3
Height H mm	-	15 ± 1	19 ± 1	25 ± 2	35 ± 2	50 ± 3	75 ± 3
Thickness T mm	-	3 ± 1	3 ± 1	4 ± 1	4 ± 1	6 ± 2/td>	6 ± 2
Quantity(Aprx ±10%) Nos. per cubic meter	Dumped Stacked	190000 -	112000 -	44000 -	16250 -	5700 7000	- 2200
Weight (Aprx ± 10%) Kg per cubic meter	Dumped Stacked	825 -	840 -	650 -	600 -	570 700	- 560
%Free space (Aprx)	Dumped Stacked	62 -	68 -	72 -	74 -	76 74	- 72
Contact surface M <sup>2</sup> /M <sup>3</sup> (Aprx )	Dumped Stacked	293 -	257 -	193 -	133 -	92 113	- 79
Relative efficiency M <sup>2</sup> /M <sup>3</sup> of free space	Dumped Stacked	473 -	378 -	268 -	180 -	121 153	110 -
Relative scrubbing capacity M <sup>2</sup> /M <sup>3</sup> X Free space	Dumped Stacked	181 -	175 -	191 -	98 -	70 84	- 57

Size(Nominal)	-	80 x 80 x 8	100 x 100 x 10	120 x 120 x 12	150 x 150 x 15	150 x 150 x 25
Diameter D mm	-	80 ± 4	100 ± 5	120 ± 5	150 ± 5	150 ± 5
Height H mm	-	80 ± 4	100 ± 5	120 ± 5	150 ± 5	150 ± 5
Thickness T mm	-	8 ± 2	10 ± 2	12 ± 3	15 ± 3	253
Quantity(Aprx ±10%) Nos. per cubic meter	Dumped Stacked	1278 1720	- 730	- 416	- 280	- 280
Weight (Aprx ± 10%) Kg per cubic meter	Dumped Stacked	437 588	- 563	- 482	- 592	- 844
%Free space (Aprx)	Dumped Stacked	77 56	- 77	- 75	- 74	- 56
Contact surface M <sup>2</sup> /M <sup>3</sup> (Aprx )	Dumped Stacked	52 70	- 51	- 39	- 40	- 39
Relative efficiency M <sup>2</sup> /M <sup>3</sup> of free space	Dumped Stacked	68 92	- 66	- 52	- 54	- 70
Relative scrubbing capacity M <sup>2</sup> /M <sup>3</sup> X Free space	Dumped Stacked	40 53	- 39	- 29	- 30	- 22

**It is available in Cylindrical Shape also.**

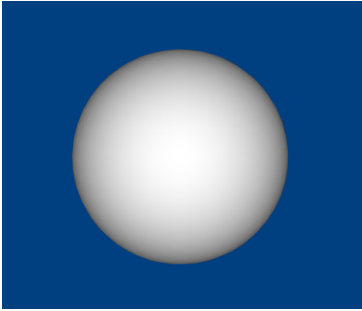


## ➤ Ceramic Ring Partitioned



Size(Nominal)	-	25 x 25 x 3	35 x 35 x 3	50 x 50 x 6	80 x 80 x 8	100 x 100 x 10	150 x 150 x 15
Diameter D mm	-	25 ± 2	35 ± 2	50 ± 3	80 ± 4	100 ± 5	150 ± 5
Length L mm	-	25 ± 2	35 ± 2	50 ± 3	80 ± 4	100 ± 5	150 ± 5
Thickness T mm	-	3 ± 1	4 ± 1	6 ± 2	8 ± 2	10 ± 2	15 ± 5
Quantity(Aprx ±10%) Nos. per cubic meter	Dumped Stacked	440000 -	16250 -	5700 7000	- 1720	- 730	- 280
Weight (Aprx ± 10%) Kg per cubic meter	Dumped Stacked	713 -	650 -	655 804	- 774	- 694	- 617
% Free space (Aprx)	Dumped Stacked	67 -	71 -	72 63	- 68	- 76	- 62
Contact surface M <sup>2</sup> /M <sup>3</sup> (Aprx )	Dumped Stacked	232 -	165 -	112 138	- 89	- 64	- 48
Relative efficiency M <sup>2</sup> /M <sup>3</sup> of free space	Dumped Stacked	346 -	232 -	156 219	- 131	- 84	- 77
Relative scrubbing capacity M <sup>2</sup> /M <sup>3</sup> Free space	Dumped Stacked	155 -	117 -	81 87	- 61	- 49	- 30

## ➤ Inert Ceramic Balls

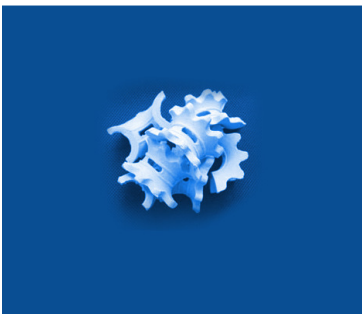


Diameter in mm	6	10	12	15	25	35	50
Quantity(Aprx ±10%) Nos. per M <sup>3</sup>	4700000	1100000	575000	332000	71000	25000	9400
Weight ( Aprx ± 10%) Kg. per M <sup>3</sup> contact	1300	1290	1280	1290	1265	1200	1300
Contact surface(Aprx) M <sup>2</sup> /M <sup>3</sup>	425	315	240	210	128	85	65
% free space	45	45	45	46	46	48	45

## ➤ Grid Block



## ➤ Ceramic Ultra



Size MM(Nominal)	25 mm	38 mm	50 mm	76 mm
Weight(Aprx±10%) Kg per cubic meter	240	200	130	100
Surface Area M <sup>2</sup> /M <sup>3</sup> (Aprx)	77	78	79	77
Void Fraction (%)	78	77	75	73